A Study of Research Productivity

New Mexico State University and Its Peer Institutions

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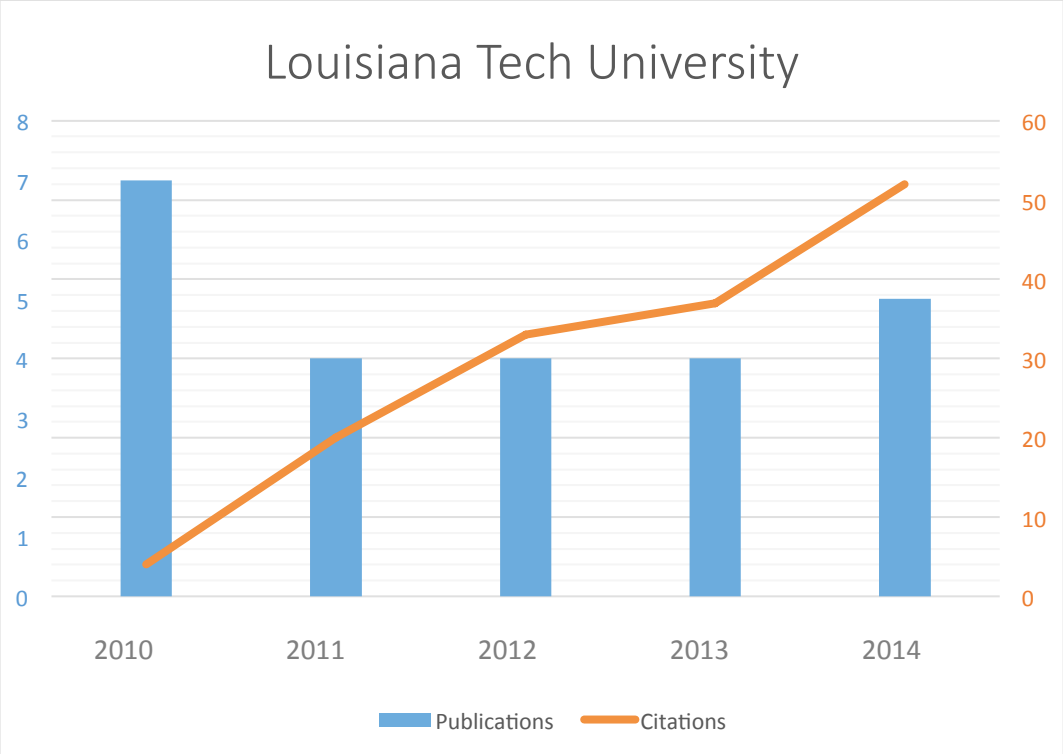
Introduction

Publications from the Web of Science database were gathered to include tenure and tenured-track faculty members' publications from New Mexico State University's Chemical Engineering department and its peer institutions to provide an indication of research productivity. Only refereed journal publications were accounted for which included articles, proceeding papers, editorial material, letters, reviews, and notes; meeting abstracts, corrections, patents, books, chapters of books, abstracts, and other records in peer-reviewed journals were not considered. The number of publications and the number of citations were quantified for each tenured or tenured-track member of the faculty at these institutions.

Data from each department was collected for staff members from 2010 to 2014 and is provided with totals and averages. These figures include complete lists of publication titles for each faculty member, citations of their work in each year, and an h-index. In an effort to normalize the results for each department that varied due to the total number of staff and their combined years of research, the h-index was calculated for only these five years for each faculty member and cumulatively as a department, which provides an established numerical value to compare productivity. Several institutions' programs included staff for Biological and Environmental Engineering; however, only published materials from faculty members who, in some capacity, provided instruction pertaining only to Chemical Engineering curriculum were incorporated.

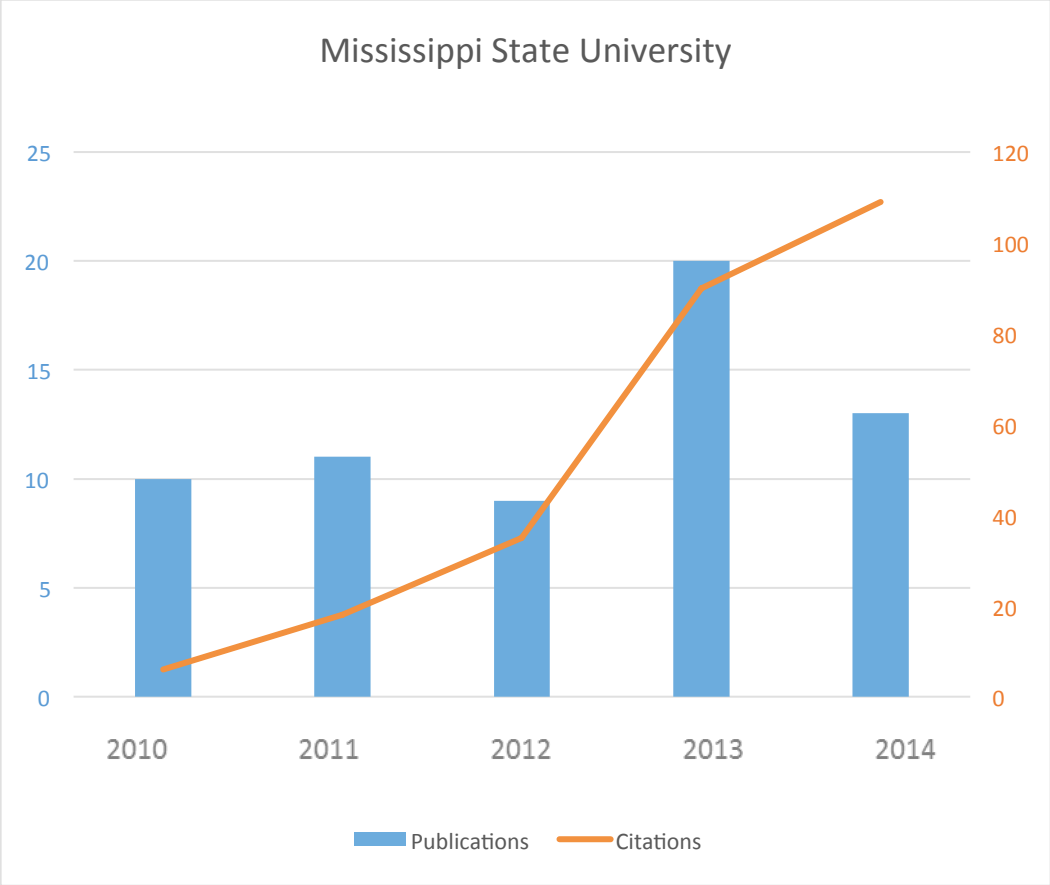
Louisiana Tech University

Title	Name	Publications	Citations	h-index
Professor / Academic Director	Guilbeau, Eric J.	0	0	0
Professor	Palmer, James D.	0	0	0
Associate Professor	Mainardi, Daniela	4	25	2
Associate Professor	Wang, Shengnian	7	41	3
Assistant Professor	Radadia, Abhdedarsh	7	71	5
Assistant Professor	Sherer, Eric	1	1	1
	Totals	**24**	**147**	**13**
	Averages	**4**	**25**	**2**



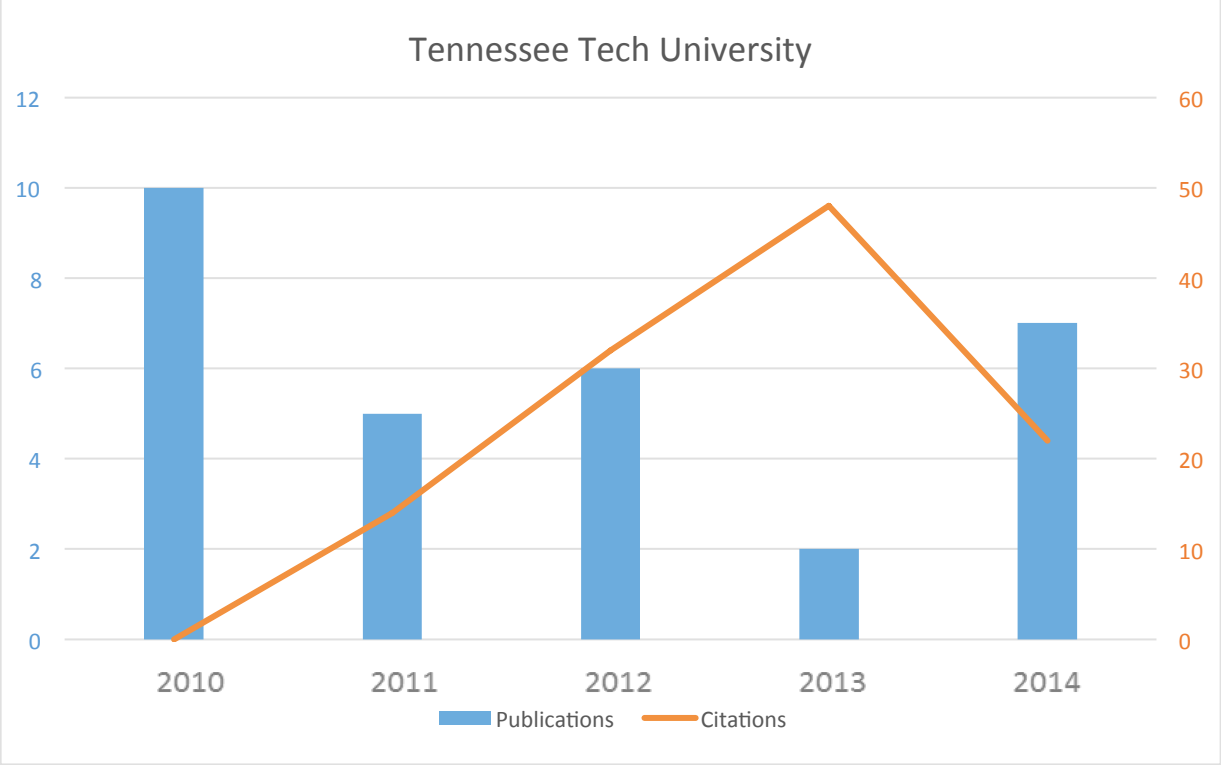
Mississippi State University

Title	Name	Publications	Citations	h-index
Professor / Interim Dean	Keith, Jason M.	2	0	0
Associate Professor / Department Chair	Elmore, Bill	0	0	0
Professor	Toghiani, Hossein	25	110	6
Associate Professor	Bricka, Mark	2	19	1
Associate Professor	French, W. Todd	14	82	6
Associate Professor	Hill, Priscilla J.	1	0	0
Assistant Professor	Kundu, Santanu	2	2	1
Assistant Professor	Rai, Neeraj	2	5	1
Associate Professor	Walters, Keisha	15	25	3
	Totals	**63**	**243**	**18**
	Averages	**7**	**27**	**2**



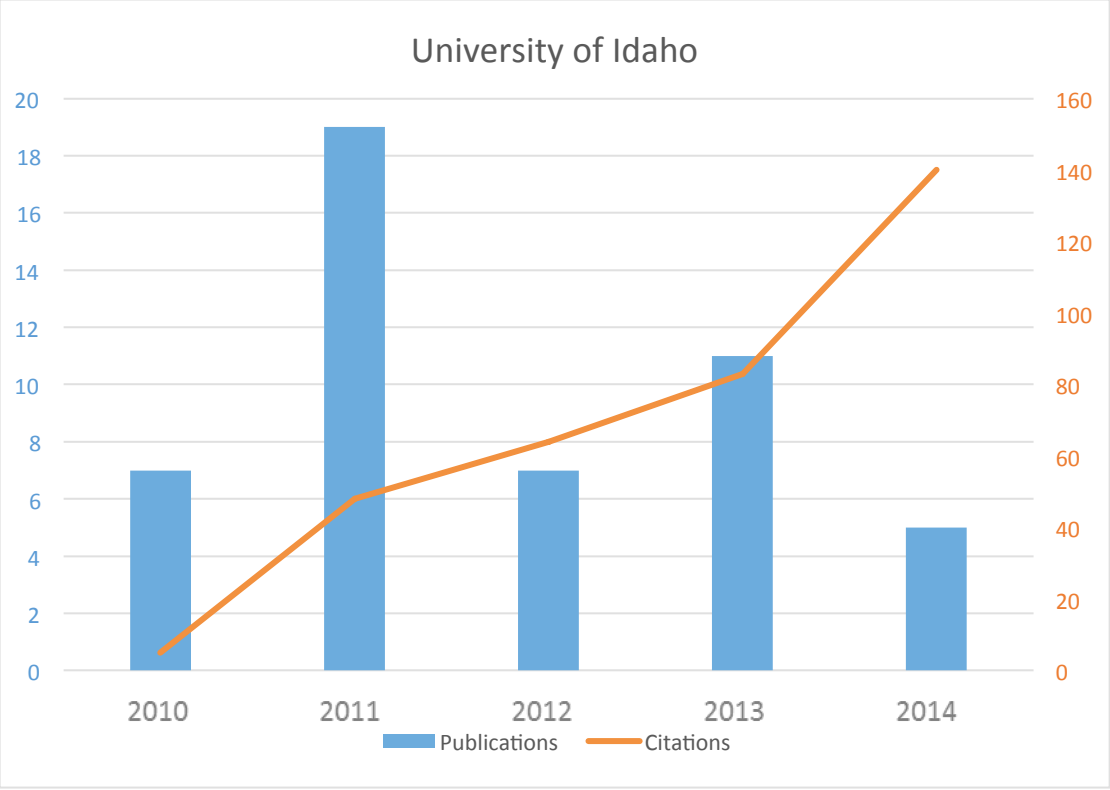
Tennessee Tech University

Title	Name	Publications	Citations	h-index
Professor / Department Chair	Arce, Pedro E.	5	17	2
Professor	Biernacki, Joseph A.	16	63	4
Professor	Ghorashi, Bahman	0	0	0
Associate Professor	Stretz, Holly Ann	9	19	3
Assistant Professor	Chavez, Laura Arias	4	12	2
Assistant Professor	Pascal, Jennifer A.	4	12	2
Assistant Professor	Rice, Cynthia	6	22	3
Assistant Professor	Rice, Jeffery	3	40	3
Assistant Professor	Sanders, Robbert J.	0	0	0
	Totals	**47**	**185**	**19**
	Averages	**5**	**21**	**2**



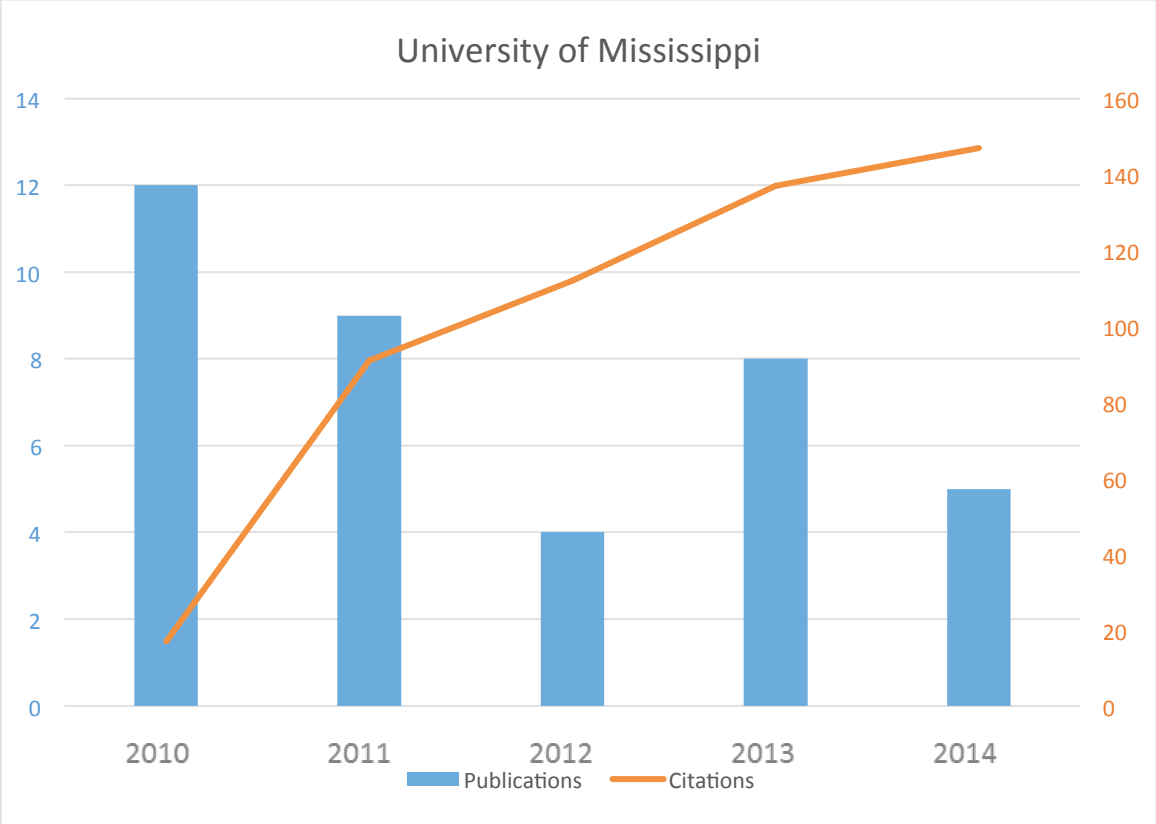
University of Idaho

Title	Name	Publications	Citations	h-index
Professor / Interim Chair	Aston, D. Eric	24	168	8
Professor	Edwards, Dean	7	18	3
Professor	Utgikar, Vivek	4	46	4
Professor	Admassu, Wudneh	1	1	1
Associate Professor	Drown, Dave	0	0	0
Assistant Professor	Moberly, James B.	0	0	0
Assistant Professor	Srivastava, Soumya	6	96	4
Assistant Professor	Zhao, Haiyan	7	11	2
	Totals	**49**	**340**	**22**
	Averages	**6**	**43**	**3**



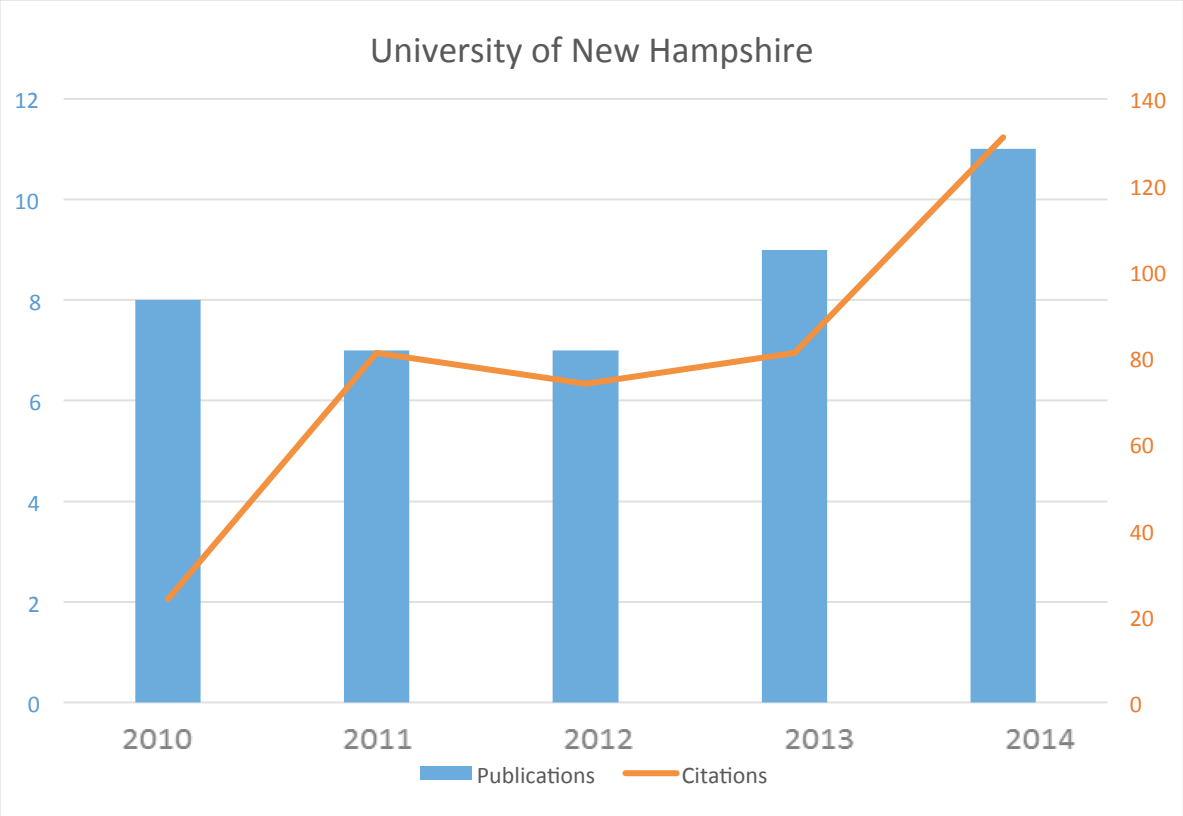
University of Mississippi

Title	Name	Publications	Citations	h-index
Department Chair Professor	Williford, Clint W.	1	0	0
Professor	O'Haver, John	5	23	3
Professor	Chen, Wei-Yin	6	35	3
Professor	Sukanek, Peter C.	0	0	0
Professor	Sadana, Ajit	0	0	0
Associate Professor	Scovazzo, Paul	3	12	1
Assistant Professor	Smith, Adam E.	17	398	10
Assistant Professor	Nouranian, Sasan	6	36	4
	Totals	**38**	**504**	**21**
	Averages	**5**	**63**	**3**



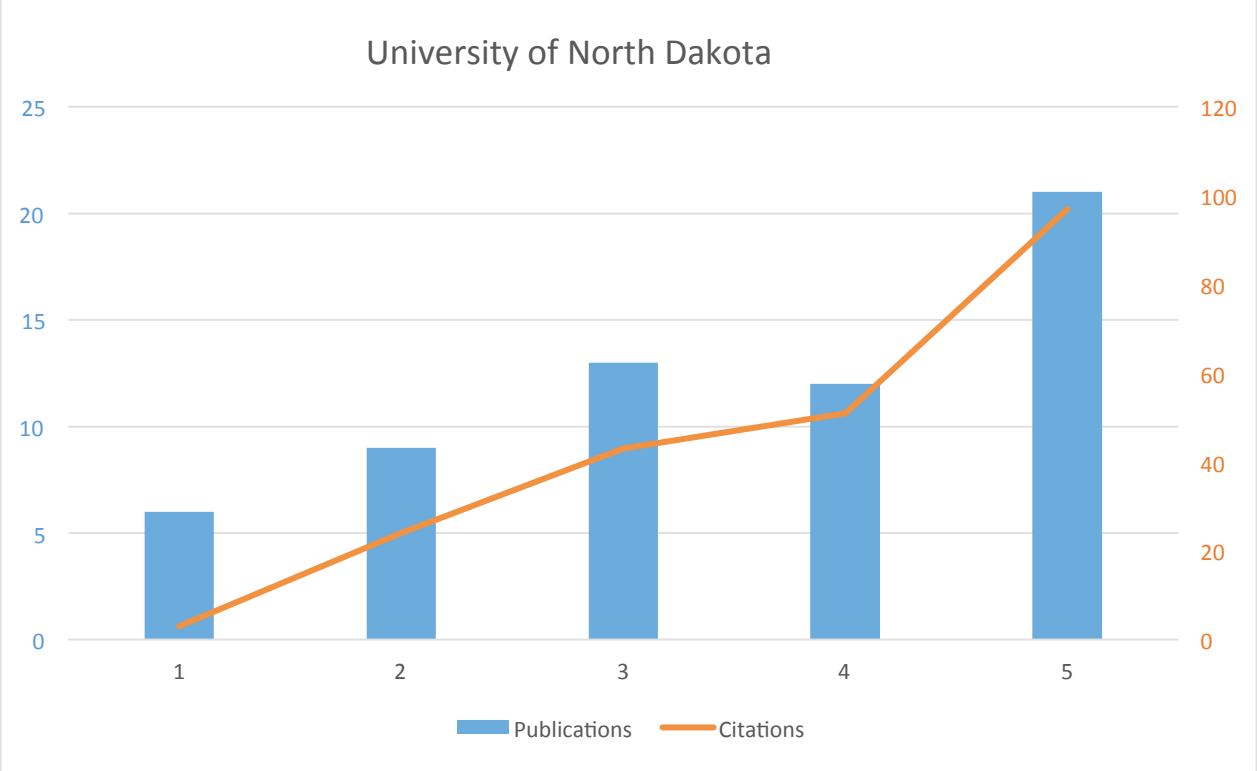
University of New Hampshire

Title	Name	Publications	Citations	h-index
Professor / Department Chair	Carr, Russell T.	3	15	3
Professor	Vasudevan, Palligarnai T.	3	46	3
Professor	Barkey, Dale	2	10	1
Associate Professor	Teng, Xiaowie	12	144	6
Associate Professor	Gupta, Nivedita R.	2	2	1
Assistant Professor	Halpern, Jeffrey	4	10	2
Assistant Professor	Jae Jeong, Kyung	4	32	4
Assistant Professor	Vashisth, Harish	9	125	6
Assistant Professor	Wu, Kang	3	12	2
	Totals	42	396	28
	Averages	5	44	3



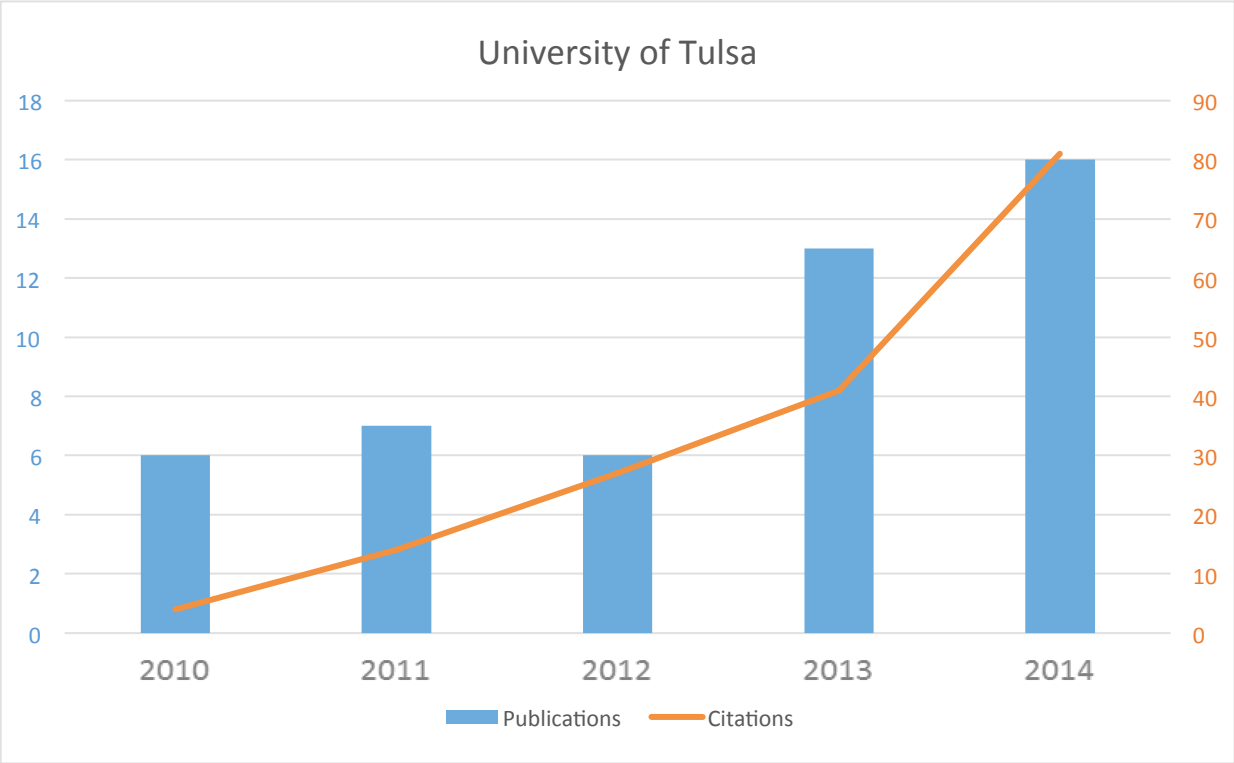
University of North Dakota

Title	Name	Publications	Citations	h-index
Professor / Department Chair	Mann, Michael	3	29	2
Professor	Seames, Wayne	16	81	5
Professor	Benson, Frank	0	0	0
Professor	Benson, Steve	2	10	2
Associate Professor	Tande, Brian M.	9	11	2
Associate Professor	Kolodka, Edward	9	11	2
Associate Professor	Wills, Robert A.	0	0	0
Assistant Professor	Ji, Yun	12	28	3
Assistant Professor	Krishnamoorthy, Gautham	10	48	4
	Totals	61	218	20
	Averages	7	24	2



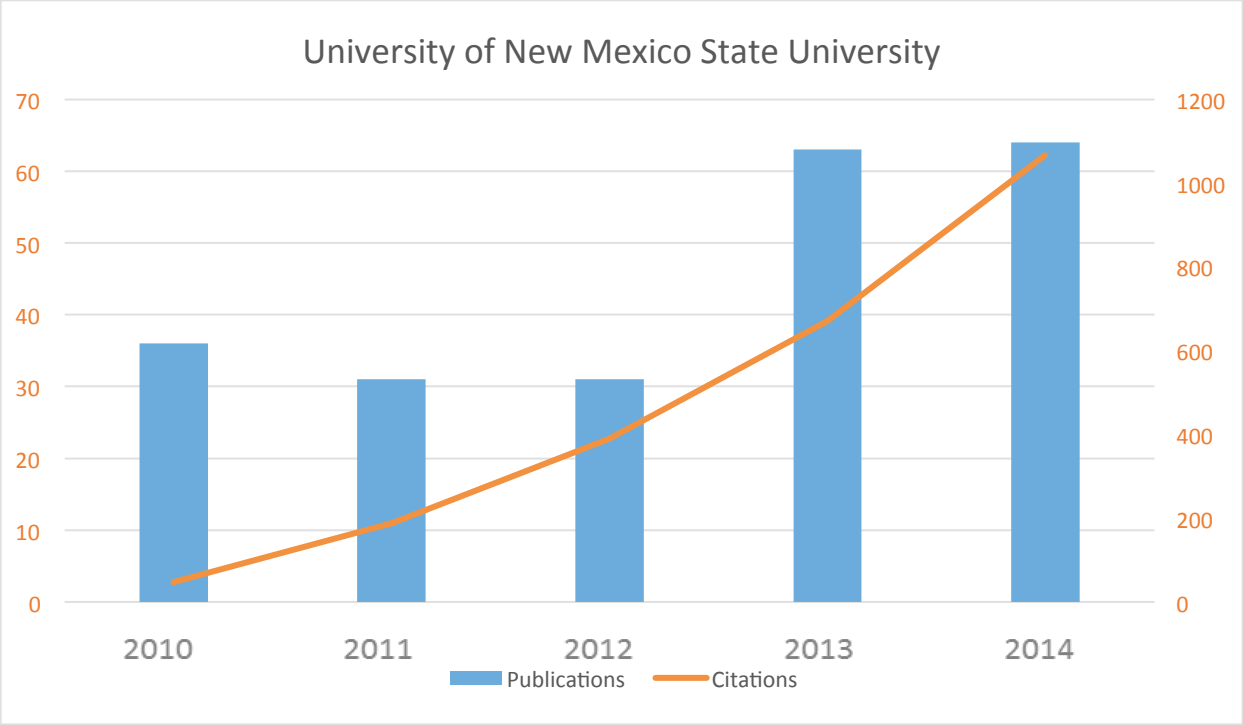
University of Tulsa

Title	Name	Publications	Citations	h-index
Professor/ Endowed Chair	Price, Geoffrey	5	11	3
Professor	Manning, Frank	0	0	0
Professor	Sublette, Kerry	7	39	3
Associate Professor	Cremaschi, Selen	13	29	3
Associate Professor	Crunkleton, Daniel	8	15	3
Associate Professor	Ford, Laura	0	0	0
Associate Professor	Johannes, Tyler W.	9	29	4
Associate Professor	Patton-Luks, Christi	0	0	0
Assistant Professor	Ramsurn, Hema	5	44	4
	Totals	47	167	20
	Averages	5	19	2



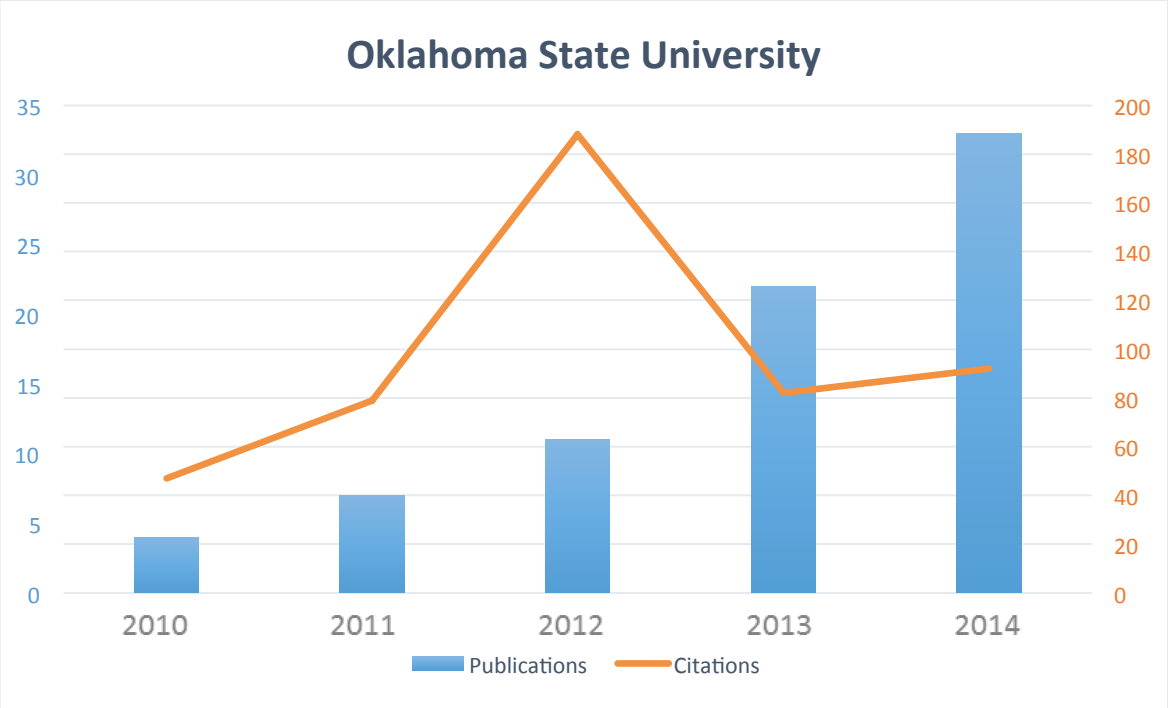
New Mexico State University

Title	Name	Publications	Citations	h-index
Professor / Department Head	Rockstraw, David A.	1	0	0
Professor	Mitchell, Martha C.	1	2	1
Professor	Deng, Shuguang	97	1253	19
Professor	Ghassemi, Abbas	9	17	2
Associate Professor	Luo, Hongmei	74	694	14
Associate Professor	Andersen, Paul K.	9	63	4
Assistant Professor	Brewer, Catherine E.	6	54	3
Assistant Professor	Foudazi, Reza	6	54	3
Assistant Professor	Houston, Jessica P.	6	23	3
Assistant Professor	Manz, Thomas A.	12	166	5
Assistant Professor	Martinez, Julio A.	4	36	2
	Totals	**225**	**2362**	**56**
	Averages	**20**	**215**	**5**



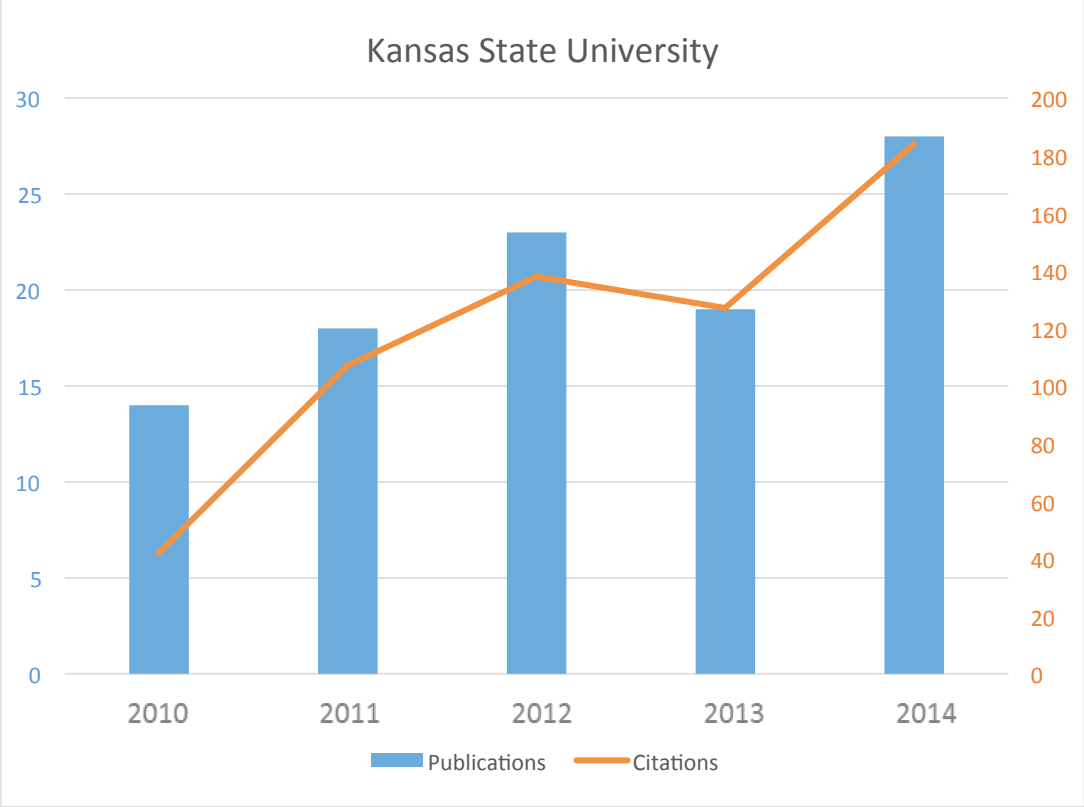
Oklahoma State University

Title	Name	Publications	Citations	h-index
Professor / Department Head	Whiteley, Rob E.	5	1	1
Professor	Rhinehart, Russell R.	15	69	4
Professor	Johannes, AJ	2	0	0
Professor	High, Karen A.	7	48	3
Professor	Alan Tree	1	5	1
Associate Professor	Madihally, Sundar V.	24	154	9
Associate Professor	Gappa-Fahlenkamp, Heather	2	1	1
Associate Professor	Ramsey, Josh	9	66	2
Assistant Professor	Jindal Shah	12	144	7
	Totals	**77**	**488**	**28**
	Averages	**9**	**54**	**3**



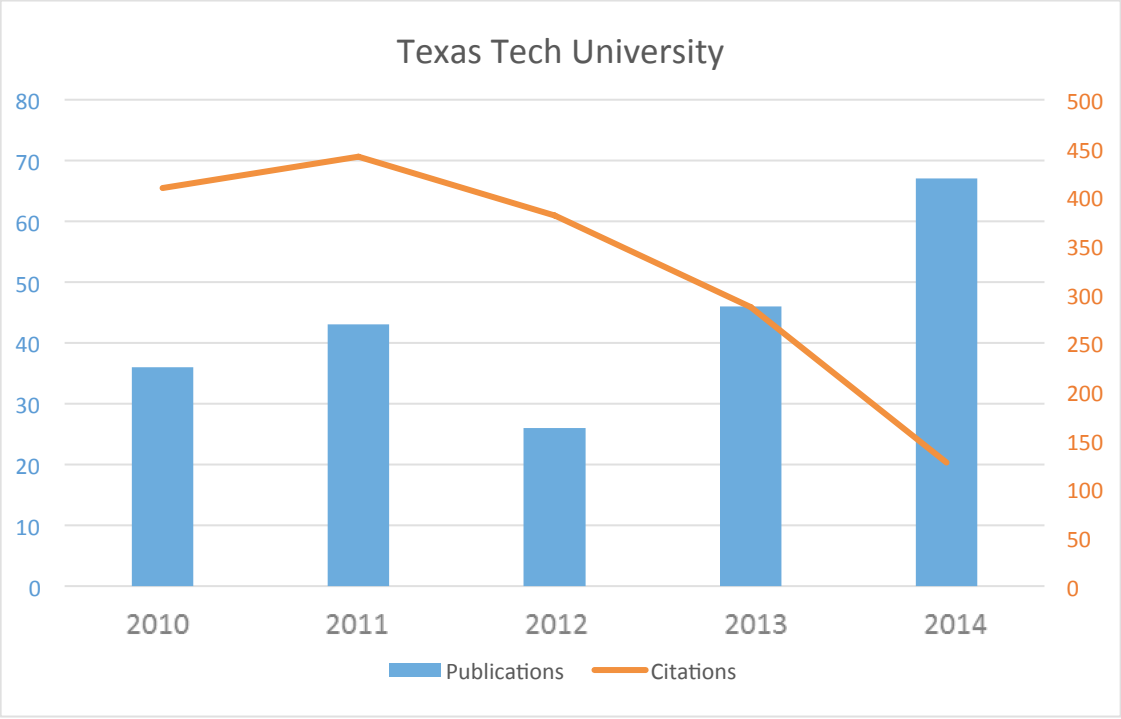
Kansas State University

Title	Name	Publications	Citations	h-index
Professor / Department Head	Edgar, James H.	30	125	5
Professor	Erickson, Larry E.	5	6	2
Professor	Glasgow, Larry A.	3	16	3
Professor	Hohn, Keith L.	15	70	5
Professor	Pfromm, Peter H	18	139	6
Professor	Rezac, Mary E.	9	46	4
Professor	Schulp, John R.	3	2	1
Associate Professor	Anthony, Jennifer L.	5	9	2
Assistant Professor	Amama, Placidus B.	9	172	5
Assistant Professor	Liu, Bin	5	12	2
	Totals	**102**	**597**	**35**
	Averages	**10**	**60**	**4**



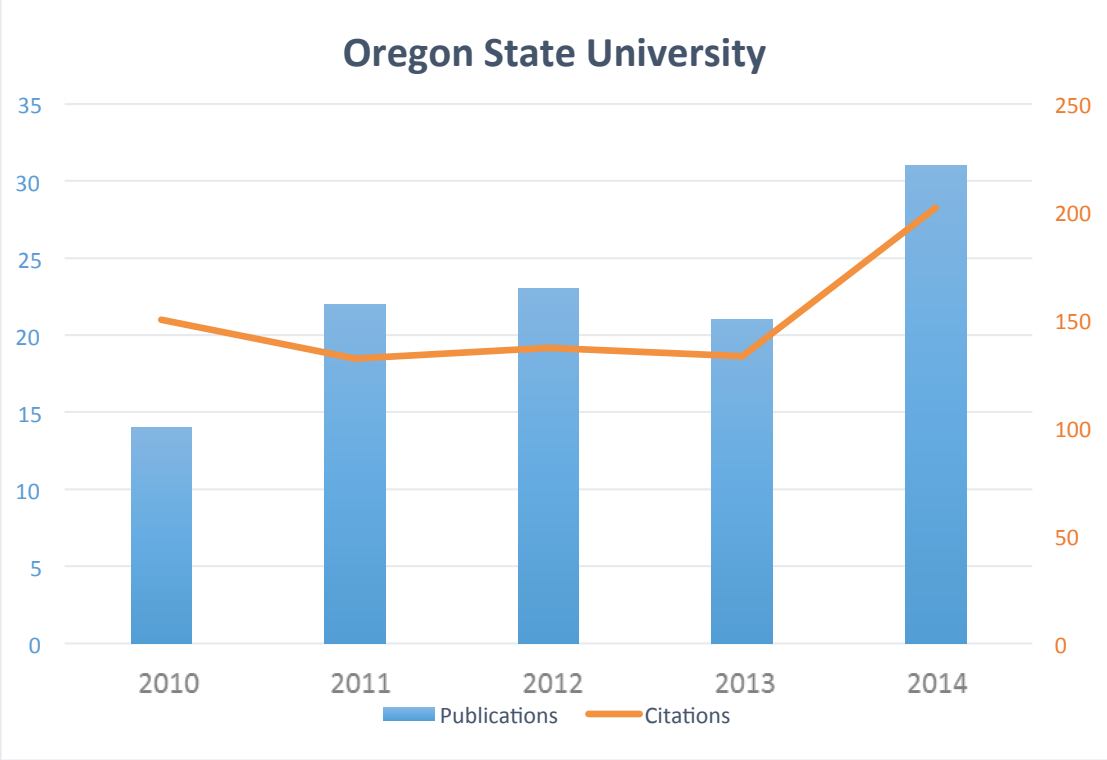
Texas Tech University

Title	Name	Publications	Citations	h-index
Professor/Chairperson	Simon, Sindee L.	25	207	8
Professor	McKenna, Gregory B	45	238	9
Professor	Chen, Chau-Chyun	14	138	8
Professor	SaYearo, Al, Jr.	7	33	3
Professor	Weeks, Brandon L	40	142	6
Associate Professor	Hedden, Ronald C	13	63	3
Associate Professor	Khare, Rajesh S	13	68	6
Associate Professor	Marston, Jeremy	24	151	6
Associate Professor	Vanapalli, Siva A.	16	69	5
Associate Professor	Vaughn, Mark W.	1	16	1
Associate Professor	Wiesner, Theodore F	3	8	2
Assistant Professor	Gill, Harvinder S.	9	286	6
Assistant Professor	Lacerda, Carla M. R.	5	30	4
Assistant Professor	Li, Wei	3	196	3
	Totals	218	1645	70
	Averages	16	118	5



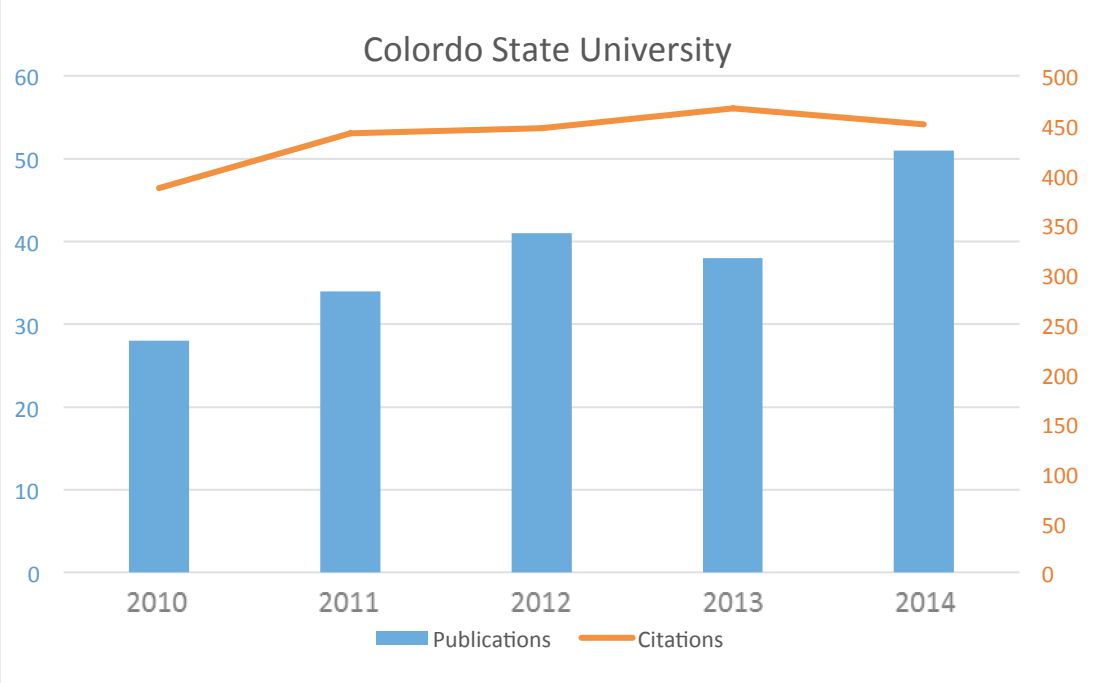
Oregon State University

Title	Name	Publications	Citations	h-index
Professor/ Department Chair	Dorthe Wildenschild	21	169	7
Professor	Chih-hung Chang	36	261	8
Professor	Goran N. Jovanovic	3	6	2
Professor	Milo D. Koretsky	5	9	2
Associate Professor	Christine Kelly	1	16	1
Associate Professor	Greg Herman	16	108	4
Associate Professor	Keith L. Levien	1	1	1
associate professor	Alex Yokochi	3	82	2
associate Professor	Willie E. Rochefort	2	5	2
Assistant Professor	Liney Arnadottir	11	79	4
Assistant Professor	Nick AuYeung	3	1	1
Assistant Professor	Travis Walker	7	17	3
Assistant Professor	Devlin Montfort	2	0	0
	Totals	111	754	37
	Averages	9	58	3



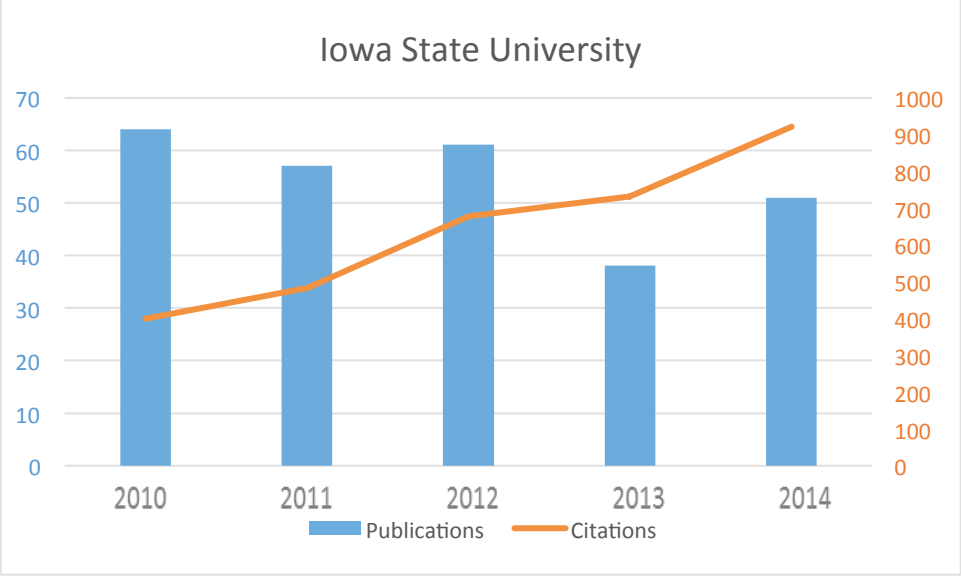
Colorado State University

Title	Name	Publications	Citations	h-index
Professor/ Department Head	Dandy, David S.	7	23	3
Professor/Asso Department Head	Reardon, Kenneth F.	25	170	7
Professor	Watson, Albert T.	41	666	15
Professor	Belfiore, Laurence A.	16	56	3
Associate Professor	Bailey, Travis S.	8	91	5
Associate Professor	Henry, Charles S.	32	585	13
Associate Professor	Kipper, Matt J.	18	236	9
Associate Professor	Reisfeld, Brad	6	10	2
Associate Professor	Wang, Qiang	16	76	5
Assistant Professor	Munsky, Brian	9	197	5
Assistant Professor	Peebles, Christie	4	30	3
Assistant Professor	Prasad, Ashok	6	5	1
Assistant Professor	Snow, Christopher D.	2	27	2
Assistant Professor	Fisk, Nick	2	22	1
	Totals	192	2194	74
	Averages	14	157	5



Iowa State University

Title	Name	Publications	Citations	h-index
Professor / Department Chair	Hillier, Andrew C.	11	59	5
Professor	Fox, Rodney O.	12	444	14
Professor	Narasimhan, Balaji	39	342	11
Professor	Rollins, Derrick K.	7	21	2
Professor	Mallapragada, Surya	35	207	10
Professor	Glatz, Charles E	11	61	4
Professor	Hebert, Kurt	11	117	5
Professor	Christian, James H.	2	5	1
Associate Professor	Lamm, Monica H.	13	79	4
Associate Professor	Li, Wenzhen	1	0	0
Associate Professor	Jarboe, Laura	20	140	6
Associate Professor	Cochran, Eric W.	8	23	8
Assistant Professor	Panthani, Matthew	19	542	12
Assistant Professor	Bratlie, Kaitlin	8	87	5
Assistant Professor	Schneider, Ian C.	15	398	5
Assistant Professor	Shao, Zengyi	8	106	5
Assistant Professor	Tessonnier, Jean-Philippe	22	370	11
Associate Professor	Wu, Yue	18	65	5
Professor Emeritus	Reilly, Peter J.	11	145	6
	Totals	**271**	**3211**	**119**
	Averages	**14**	**169**	**6**



Results

The following schools are ranked by the average h-index calculated for each school. Any schools that have identical indeces were then arranged by the number of publications. The table below provides the ranking for productivity in descending order.

Rank	Institution	h-index
1	Iowa State	6
2	Colorado State	5
3	New Mexico State University	5
4	Texas Tech	5
5	Kansas State	3
6	Oklahoma State	3
7	University of New Hampshire	3
8	Oregon State	2
9	University of Idaho	2
10	University of Mississippi	2
11	University of North Dakota	2
12	University of Tulsa	2
13	Louisiana Tech University	2
14	Tennessee Tech University	2
15	Mississippi State University	2

The table below provides results based purely on the average publications per faculty member from each institution. The h-index determined the ranking for schools with an equal amount of publications.

Rank	Institution	Publications
1	New Mexico State University	20
2	Texas Tech	16
3	Iowa State	14
4	Colorado State	14
5	Kansas State	10
6	Oklahoma State	9
7	Oregon State	9
8	Mississippi State University	7
9	University of North Dakota	7
10	University of Idaho	6
11	University of Tulsa	5
12	Tennessee Tech University	5
13	University of Mississippi	5
14	University of New Hampshire	5
15	Louisiana Tech University	4

Appendix

Louisiana Tech University Tenure & Tenured Track Professors

Title: Professor/ Academic Director

Name: Eric J. Guilbeau

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 9

H-index: 2

List of Publications:

1) Shi, Liwei, Eric J. Guilbeau, Gergana Nestorova, et al. "A mathematical model and numerical method for thermoelectric DNA sequencing." Heat and Mass Transfer 50, no. 5 (2014): 693-709.

Times cited: 0

2) Thapa, Suvhashis, Siva Mahesh Tangutooru, Eric J. Guilbeau, et al. "The thermopile: An anisotropic temperature sensor." Sensors and Actuators A-Physical 187, (2012): 132-140.

Times cited: 0

3) Kipparthy, Varun Lingaiah, Siva Mahesh Tangutooru, Gergana G. Nestorova, et al. "Thermoelectric microfluidic sensor for biochemical applications." Sensors and Actuators B-Chemical 166, (2012): 608-615.

Times cited: 2

4) Tangutooru, Siva Mahesh, Varun Lingaiah Kopparthy, Gergana G. Nestorova, et al. "Dynamic thermoelectric glucose sensing with layer-by-layer glucose oxidase immobilization." Sensors and Actuators B-Chemical 166, (2012): 637-641.

Times cited: 0

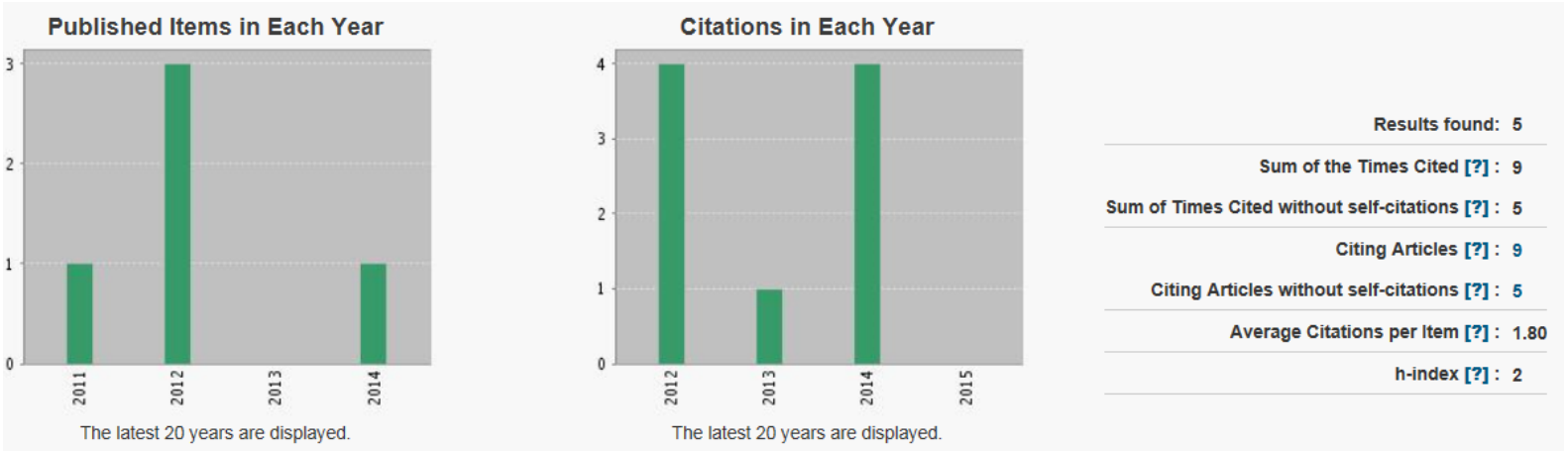
5) Nestorova,G.G., E.J. Guilbeau. "Thermoelectric methos for sequencing DNA." Lab Chip 11, no. 10 (2011): 1761-1769.

Times cited: 7

List of Journals:

1) HEAT AND MASS TRANSFER
2) SENSORS AND ACTUATORS B-CHEMICAL

3) LAP CHIP



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	3	0	1	5	1.00
Citations	0	0	4	1	4	9	1.80

Title: Associate Dean of Graduate Studies / Virgil Orr Professor of Chemical Engineering

Name: James Palmer

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

Title: Thomas C. and Nelda M. Jeffery Associate Professor / Chair Chemical Engineering

Name: Daniela Mainardi

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 4

Number of times cited: 25

H-index: 2

List of publications:

1) Killa, Sajin, Ling Cui, Erica P. Murray, and Daniela S. Mainardi. "Kinetics of Nitric Oxide and Oxygen Gases on Porous Y-Stabilized ZrO2-Based Sensors." *Molecules* 18, no. 8 (2013): 9901-9918.

Times Cited: 0

2) Kupwade-Patil, Kunal, Fernando Soto, Ancy Kunjumon, Erez N. Allouche, and Daniela S. Mainardi. "Multi-scale modeling and experimental investigations of geopolymeric gels at elevated temperatures." *Computers & Structures* 122 (2013): 164-177.

Times cited: 2

3) Dathar, Gopi Krishna Phani, and Daniela Silvia Mainardi. "Kinetics of hydrogen desorption in NaAlH4 and Ti-containing NaAlH4." *The Journal of Physical Chemistry C* 114, no. 17 (2010): 8026-8031.

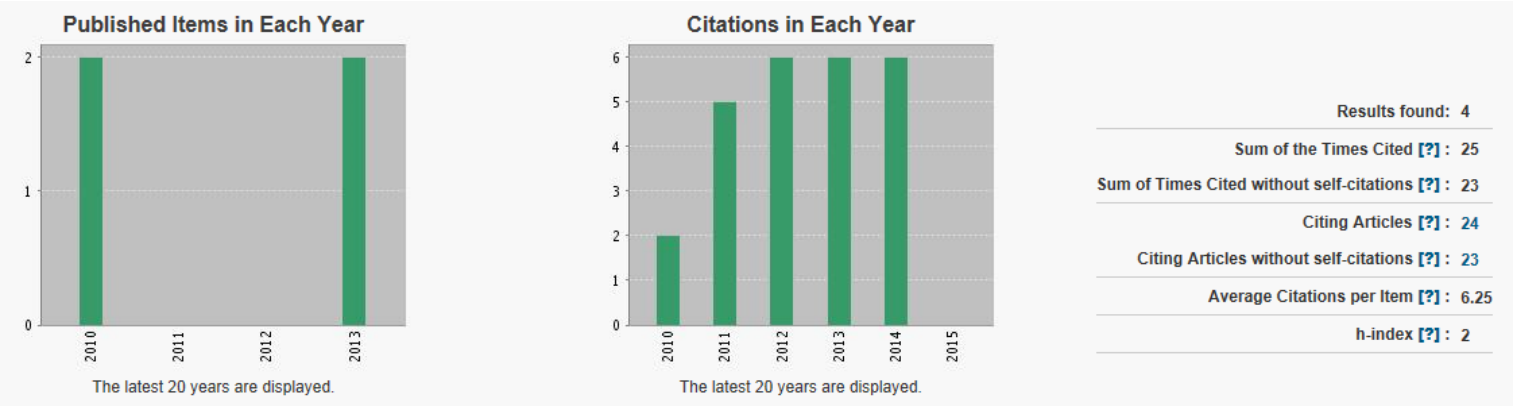
Times cited: 18

4) Idupulapati, Nagesh B., and Daniela S. Mainardi. "Quantum chemical modeling of methanol oxidation mechanisms by methanol dehydrogenase enzyme: Effect of substitution of calcium by barium in the active site." *The Journal of Physical Chemistry A* 114, no. 4 (2010): 1887-1896.

Times cited: 5

List of Journals:

1) MOLECULES
2) COMPUTERS & STRUCTURES
3) THE JOURNAL OF PHYSICAL CHEMISTRY



Year	2010	2011	2012	2013	2014	Total	Average Per year
ublications	2	0	0	2	0	4	0.80
Citations	2	5	6	6	6	25	5.00

Title: Assistant Professor

Name: Shengnian Wang

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 41

H-index: 3

List of Publications:

1) Shuyan, Huang, Harshavardhan Deshmukh, Kartik K. Rajagopalan, and Shengnian Wang. "Gold nanoparticles electroporation enhanced polyplex delivery to mammalian cells." *Electrophoresis* 35, no. 12-13 (2014): 1837-1845.

Times Cited: 0

2) Yingbo, Zu, Shuyan Huang, Wei-Ching Liao, Yang Lu, and Shengnian Wang. "Gold Nanoparticles Enhanced Electroporation for Mammalian Cell Transfection. "*Journal of Biomedical Nanotechnology* 10, no. 6 (2014): 982-992.

Times Cited: 3

3) Yuxin, Wang, Jinhu Wu, and Shengnian Wang. "Hydrodeoxygenation of bio-oil over Pt-based supported catalysts: importance of mesopores and acidity of the support to compounds with different oxygen contents." *RSC Advances* 3, no. 31 (2013): 12635-12540.

Times Cited: 3

4) Shengnian, Wang, and James L. Lee. "Micro-/nanofluidics based cell electroporation." *Biomicrofluidics* 7, no. 1 (2013).

Times Cited: 12

5) Fangfang, Ren, Yingbo Zu, Kartik K. Rajagopalan, and Shengian Wang. "Regulation of DNA conformations and dynamics in flows with hybrid field microfluidics." *Biomicrofluidics* 6, no. 4 (2012).

Times Cited: 2

6) Wang, S., Zhang, X., Yu, B., Lee, R. J., & Lee, L. J. (2010). Targeted Nanoparticles Enhanced Flow Electroporation of Antisense Oligonucleotides in Leukemia Cells. *Biosensors & Bioelectronics*, *26*(2), 778–783.

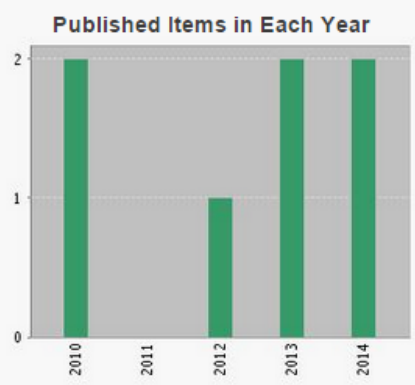
Times Cited: 13

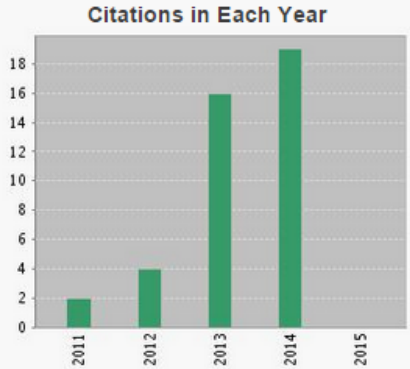
7) Wei-Ching, Liao, Nobuhiko Watari, Shengnian Wang, Xin Hu, Ronald Larson, and Ly James Lee. "Conformation dependence of DNA electrophoretic mobility in a converging channel." *Electrophoresis* 31, no. 16 (2010): 2813-2821.

Times Cited: 8

List of Journals:

1) ELECTROPHORESIS
2) JOURNAL OF BIOMEDICAL NANOTECHNOLOGY
3) RSC ADVANCES
4) BIOMICROFLUIDICS
5) BIOSENSORS & BIOELECTRONICS





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Sum of Times Cited without self-citations [?] : 37
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Citing Articles without self-citations [?] : 34
Average Citations per Item [?] : 5.86
h-index [?] : 3

	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	0	1	2	2	41	1.40
Citations	0	2	4	16	18	41	8.20

Title: Assistant Professor

Name: Abhdedarsh Radadia

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 71

H-index: 5

List of Publications:

1) Zhang, Wenli, Kush Patel, Andrew Schexnider, Shirin Banu, and Adarsh D. Radadia. "Nanostructuring of Biosensing Electrodes with Nanodiamonds for Antibody Immobilization." *ACS nano* 8, no. 2 (2014): 1419-1428.

Times cited: 2

2) Ndiege, Nicholas, Ramesh Chandrasekharan, Adarsh D. Radadia, William Harris, Eric Mintz, Richard I. Masel, and Mark A. Shannon. "Synthesis, Characterization, and Photoactivity of Ta2O5-Grafted SiO2 Nanoparticles." *Chemistry-A European Journal* 17, no. 27 (2011): 7685-7693.

Times cited: 4

3) Radadia, Adarsh D., Courtney J. Stavis, Rogan Carr, Hongjun Zeng, William P. King, John A. Carlisle, Aleksei Aksimentiev, Robert J. Hamers, and Rashid Bashir. "Control of nanoscale environment to improve stability of immobilized proteins on diamond surfaces." *Advanced functional materials* 21, no. 6 (2011): 1040-1050.

Times cited: 7

4) Stavis, Courtney, Tami Lasseter Clare, James E. Butler, Adarsh D. Radadia, Rogan Carr, Hongjun Zeng, William P. King et al. "Surface functionalization of thin-film diamond for highly stable and selective biological interfaces." *Proceedings of the National Academy of Sciences* 108, no. 3 (2011): 983-988.

Times cited: 19

5) Radadia, A. D., A. Salehi-Khojin, R. I. Masel, and M. A. Shannon. "The effect of microcolumn geometry on the performance of micro-gas chromatography columns for chip scale gas analyzers." *Sensors and Actuators B: Chemical* 150, no. 1 (2010): 456-464.

Times cited: 10

6) Radadia, A. D., A. Salehi-Khojin, R. I. Masel, and M. A. Shannon. "The fabrication of all-silicon micro gas chromatography columns using gold diffusion eutectic bonding." *Journal of Micromechanics and Microengineering* 20, no. 1 (2010): 015002.

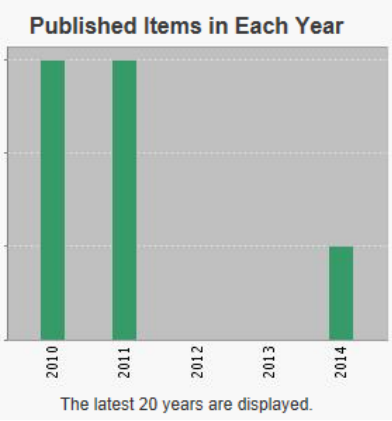
Times cited: 7

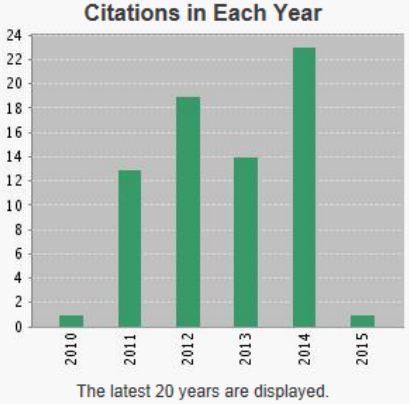
7) Privorotskaya, Natalya, Yi-Shao Liu, Jungchul Lee, Hongjun Zeng, John A. Carlisle, Adarsh Radadia, Larry Millet, Rashid Bashir, and William P. King. "Rapid thermal lysis of cells using silicon–diamond microcantilever heaters." *Lab on a Chip* 10, no. 9 (2010): 1135-1141.

Times cited: 22

List of Journals:

1) ACS NANO
2) CHEMISTRY-A EUROPEAN JOURNAL
3) ADVANCED FUNCTIONAL MATERIALS
4) PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES
5) SENSORS AND ACUATORS B: CHEMICAL
6) JOURNAL OF MICROMECHANICS AND MICROENGINEERING
7) LAB ON A CHIP





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Citing Articles [?] : 68
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Average Citations per Item [?] : 10.14
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	3	0	0	1	7	2.20
Citations	2	13	19	14	23	71	11.83

Title: Assistant Professor

Name: Eric Sherer

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 1

H-index: 1

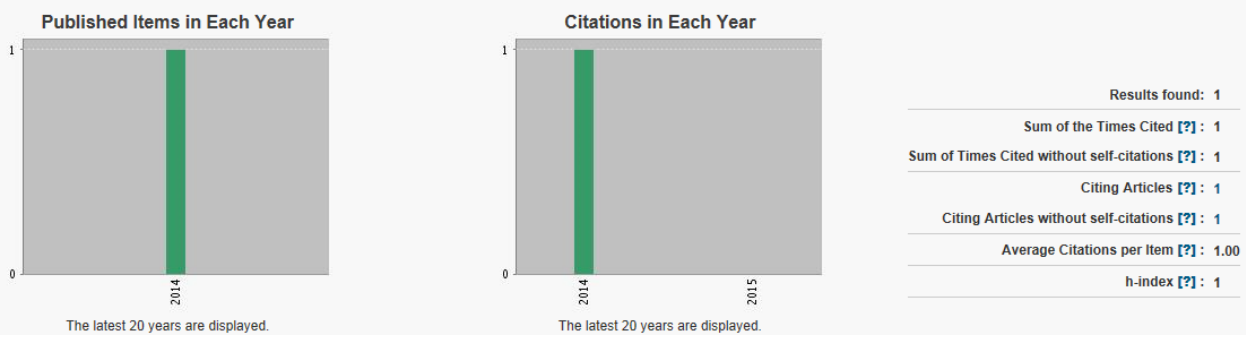
List of Publications:

1) Imperiale, Thomas F., Ravi Juluri, Eric A. Sherer, Elizabeth A. Glowinski, Cynthia S. Johnson, and Michael S. Morelli. "A risk index for advanced neoplasia on the second surveillance colonoscopy in patients with previous adenomatous polyps." *Gastrointestinal Endoscopy* (2014).

Times cited: 1

List of Journals:

1) GASTRONINTESTINAL ENDOSCOPY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	0	1	1	0.20
Citations	0	0	0	0	1	1	0.20

Mississippi State University Tenure & Tenured-Track Professors

Title: Professor / Interim Dean / Ernest W. Deavenport, Jr. Chair

Name: Jason M. Keith

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 0

H-index: 0

List of Publications:

1) Crowl, Daniel A., and Jason M. Keith. "Characterize Reactive Chemicals with Calorimetry." *CHEMICAL ENGINEERING PROGRESS* 109, no. 7 (2013): 26-33.

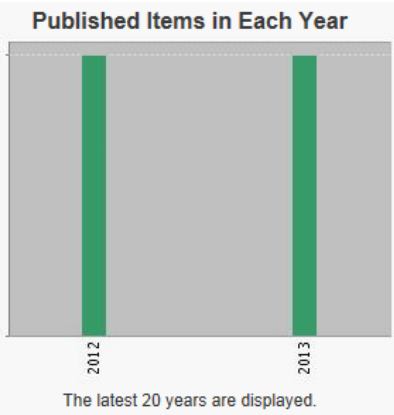
Times cited: 0

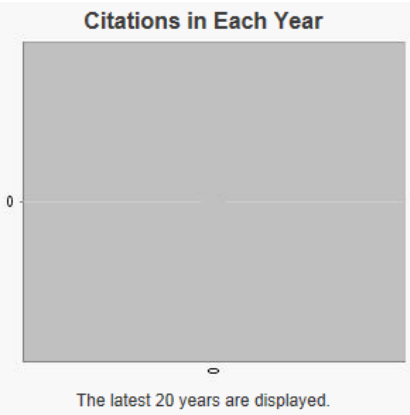
2) Huang, Di, and Jason M. Keith. "Modeling of Diesel Particulate Filter Regeneration under the Urban Dynamometer Driving Schedule." *International Journal of Chemical Reactor Engineering* 10, no. 1 (2012).

Times cited: 0

List of Journals:

1) CHEMICAL ENGINEERING PROGRESS
2) INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING





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Citing Articles [?] :	0
Citing Articles without self-citations [?] :	0
Average Citations per Item [?] :	0.00
h-index [?] :	0

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	1	0	2	0.40
Citations	0	0	0	0	0	0	0.00

Title: Associate Professor/ Hunter Henry Chair

Name: Bill Elmore

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

Title: Professor

Name: Hossein Toghiani

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 25

Number of times cited: 110

H-index: 6

List of Publications:

1) Yan, Qiangu, Hossein Toghiani, Zhiyong Cai, and Jilei Zhang. "Formation of Nanocarbon Spheres by Thermal Treatment of Woody Char from Fast Pyrolysis Process." *Wood and Fiber Science* 46, no. 4 (2014): 437-450.

Times cited: 0

2) Lee, Juhyeong, Sasan Nouranian, Glenn W. Torres, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Janice L. DuBien. "Characterization, prediction, and optimization of flexural properties of vapor-grown carbon nanofiber/vinyl ester nanocomposites by response surface modeling." *Journal of Applied Polymer Science* 130, no. 3 (2013): 2087-2099.

Times cited: 1

3) Nouranian, Sasan, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Janice L DuBien. "Response surface predictions of the viscoelastic properties of vapor-grown carbon nanofiber/vinyl ester nanocomposites." *Journal of Applied Polymer Science* 130, no. 1 (2013): 234-247.

Times cited: 3

4) AbuOmar, Osama, Sasan Nouranian, Roger King, Jean-Luc Bouvard, Hossein Toghiani, Thomas E. Lacy, and C. U. Pittman Jr. "Data mining and knowledge discovery in materials science and engineering: A polymer nanocomposites case study." *Advanced Engineering Informatics* 27, no. 4 (2013): 615-624.

Times cited: 0

5) Yu, Jaesang, Thomas E. Lacy Jr, Hossein Toghiani, and Charles U. Pittman Jr. "Micromechanically-based effective thermal conductivity estimates for polymer nanocomposites." *Composites Part B: Engineering* 53 (2013): 267-273.

Times cited: 1

6) Jang, Changwoon, Thomas E. Lacy, Steven R. Gwaltney, Hossein Toghiani, and Charles U. Pittman Jr. "Interfacial shear strength of cured vinyl ester resin-graphite nanoplatelet from molecular dynamics simulations." *Polymer* 54, no. 13 (2013): 3282-3289.

Times cited: 4

7) Yu, Jaesang, Thomas E. Lacy, Hossein Toghiani, and Charles U. Pittman. "Effective property estimates for composites containing multiple nanoheterogeneities: Part II nanofibers and voids." *Journal of Composite Materials* (2012): 0021998312446824.

Times cited: 3

8) Torres, Glenn W., Sasan Nouranian, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Janice L. DuBien. "Statistical characterization of the impact strengths of vapor-grown carbon nanofiber/vinyl ester nanocomposites using a central composite design." *Journal of Applied Polymer Science* 128, no. 2 (2013): 1070-1080.

Times cited: 4

9) Yu, Jaesang, Thomas E. Lacy, Hossein Toghiani, and Charles U. Pittman. "Effective property estimates for composites containing multiple nanoheterogeneities: Part I Nanospheres, nanoplatelets, and voids." *Journal of Composite Materials* 47, no. 5 (2013): 549-558.

Times cited: 4

10) Nouranian, S., J. Lee, G. W. Torres, T. E. Lacy, H. Toghiani, and CU PITTMAN. "Effects of Moulding Condition and Curing Atmosphere on the Flexural Properties of Vinyl Ester." *Polymers & polymer composites* 21, no. 2 (2013): 61-64.

Times cited: 0

11) Arockiasamy, Antonyraj, Hossein Toghiani, David Oglesby, M. F. Horstemeyer, J. L. Bouvard, and Roger L. King. "TG–DSC–FTIR–MS study of gaseous compounds evolved during thermal decomposition of styrene-butadiene rubber." *Journal of thermal analysis and calorimetry* 111, no. 1 (2013): 535-542.

Times cited: 5

12) Yu, Jaesang, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Judy Schnieder. "Determination of carbon nanofiber morphology in vinyl ester nanocomposites." *Journal of Composite Materials* (2011): 0021998311428361.

Times cited: 6

13) Jang, Changwoon, Thomas E. Lacy, Steven R. Gwaltney, Hossein Toghiani, and Charles U. Pittman Jr. "Relative reactivity volume criterion for cross-linking: application to vinyl ester resin molecular dynamics simulations." *Macromolecules* 45, no. 11 (2012): 4876-4885.

Times cited: 7

14) Jang, Changwoon, Sasan Nouranian, Thomas E. Lacy, Steven R. Gwaltney, Hossein Toghiani, and Charles U. Pittman Jr. "Molecular dynamics simulations of oxidized vapor-grown carbon nanofiber surface interactions with vinyl ester resin monomers." *Carbon* 50, no. 3 (2012): 748-760.

Times cited: 8

15) Yu, Jaesang, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Youngkeun Hwang. "Classical micromechanics modeling of nanocomposites with carbon nanofibers and interphase." *Journal of Composite Materials* (2011): 0021998311401092.

Times cited: 13

16) Nouranian, Sasan, Hossein Toghiani, Thomas E. Lacy, Charles U. Pittman, and Janice Dubien. "Dynamic mechanical analysis and optimization of vapor-grown carbon nanofiber/vinyl ester nanocomposites using design of experiments." *Journal of Composite Materials* (2010): 0021998310385027.

Times cited: 11

17) Nouranian, Sasan, Changwoon Jang, Thomas E. Lacy, Steven R. Gwaltney, Hossein Toghiani, and Charles U. Pittman Jr. "Molecular dynamics simulations of vinyl ester resin monomer interactions with a pristine vapor-grown carbon nanofiber and their implications for composite interphase formation." *Carbon* 49, no. 10 (2011): 3219-3232.

Times cited: 9

18) Liang, Kaiwen, Hossein Toghiani, and Charles U. Pittman Jr. "Synthesis, morphology and viscoelastic properties of epoxy/polyhedral oligomeric silsesquioxane (POSS) and epoxy/cyanate ester/POSS nanocomposites." *Journal of Inorganic and Organometallic Polymers and Materials* 21, no. 1 (2011): 128-142.

Times cited: 8

19) Yan, Qiangu, Hossein Toghiani, Fei Yu, Zhiyong Cai, and Jilei Zhang. "Effects of pyrolysis conditions on yield of bio-chars from pine chips." *Forest Products Journal* 61, no. 5 (2011): 367.

Times cited: 3

20) Du, Yicheng, Jilei Zhang, Jaesang Yu, Thomas E. LACY, Yibin Xue, Hossein Toghiani, Mark F. Horstemeyer, and Charles U. PITTMAN. "Kenaf Bast Fiber Bundle—Reinforced Unsaturated Polyester Composites. IV: Effects of Fiber Loadings and Aspect Ratios on Composite Tensile Properties." *Forest products journal* 60, no. 7-8 (2010): 582-591.

Time cited: 2

21) Zhang, Zhihao, Guozhong Ye, Hossein Toghiani, and Charles U. Pittman. "Morphology and Thermal Stability of Novolac Phenolic Resin/Clay Nanocomposites Prepared via Solution High-Shear Mixing." *Macromolecular Materials and Engineering* 295, no. 10 (2010): 923-933.

Times cited: 6

22) Du, Yicheng, Jilei Zhang, Yibin Xue, Thomas E. LACY, Hossein Toghiani, Mark F. Horstemeyer, and Charles U. PITTMAN. "Kenaf Bast Fiber Bundle-Reinforced Unsaturated Polyester Composites. III: Statistical Strength Characteristics and Cost-Performance Analyses." *Forest products journal* 60, no. 6 (2010): 514-521.

Times cited: 1

23) Du, Yicheng, Chuji Wang, Hossein Toghiani, Zhiyong Cai, Xiaojian Liu, Jilei Zhang, and Qiangu Yan. "Synthesis of carbon-encapsulated metal nanoparticles from wood char." *Forest Products Journal and Index* 60, no. 6 (2010): 527.

Times cited: 2

24) Du, Yicheng, Jilei Zhang, Chuji Wang, Thomas E. LACY, Yibin Xue, Hossein Toghiani, Mark F. Horstemeyer, and Charles U. PITTMAN. "Kenaf Bast Fiber Bundle-Reinforced Unsaturated Polyester Composites. II: Water Resistance and Composite Mechanical Properties Improvement." *Forest products journal* 60, no. 4 (2010): 366-372.

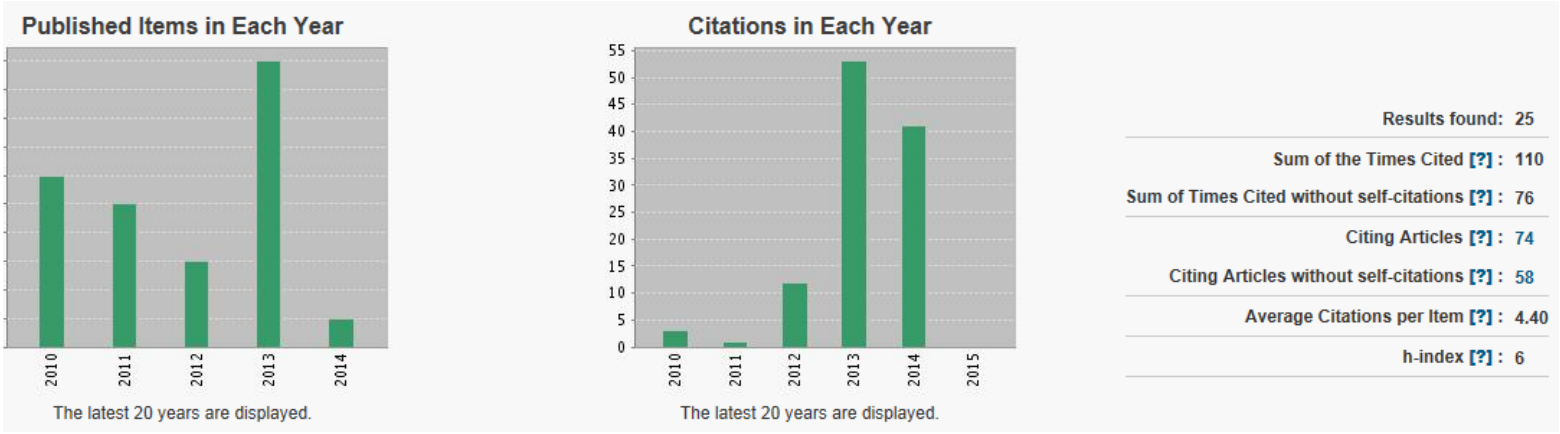
Times cited: 5

25) Du, Yicheng, Jilei Zhang, Hossein Toghiani, Thomas E. LACY, Yibin Xue, Mark F. Horstemeyer, and Charles U. PITTMAN. "Kenaf bast fiber bundle-reinforced unsaturated polyester composites. I: processing techniques for high kenaf fiber loading." *Forest products journal* 60, no. 3 (2010): 289-295.

Times cited: 4

List of Journals:

1) WOOD AND FIBER SCIENCE
2) JOURNAL OF APPLIED POLYMER SCIENCE
3) ADVANCED ENGINEERING INFORMATICS
4) COMPOSITES PART B: ENGINEERING
5) POLYMER
6) JOURNAL OF COMPOSITE MATERIALS
7) POLYMERS & POLYMER COMPOSITES
8) JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
9) MACROMOLECULES
10) CARBON
11) JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS
12) FOREST PRODUCTS JOURNAL
13) MACROMOLECULAR MATERIALS AND ENGINEERING
14) FOREST PRODUCTS JOURNAL AND INDEX



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	6	5	3	10	1	25	5.00
Citations	3	1	12	53	41	110	18.33

Title: Associate Professor

Name: Mark Bricka

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 19

H-index: 1

List of Publications:

1) Bello, A., R. M. Bricka, P. D. Gerard, and E. D. Peebles. "Effects of commercial in ovo injection of 25-hydroxycholecalciferol on broiler bone development and mineralization on days 0 and 21 posthatch." *Poultry science* 93, no. 5 (2014): 1053-1058.

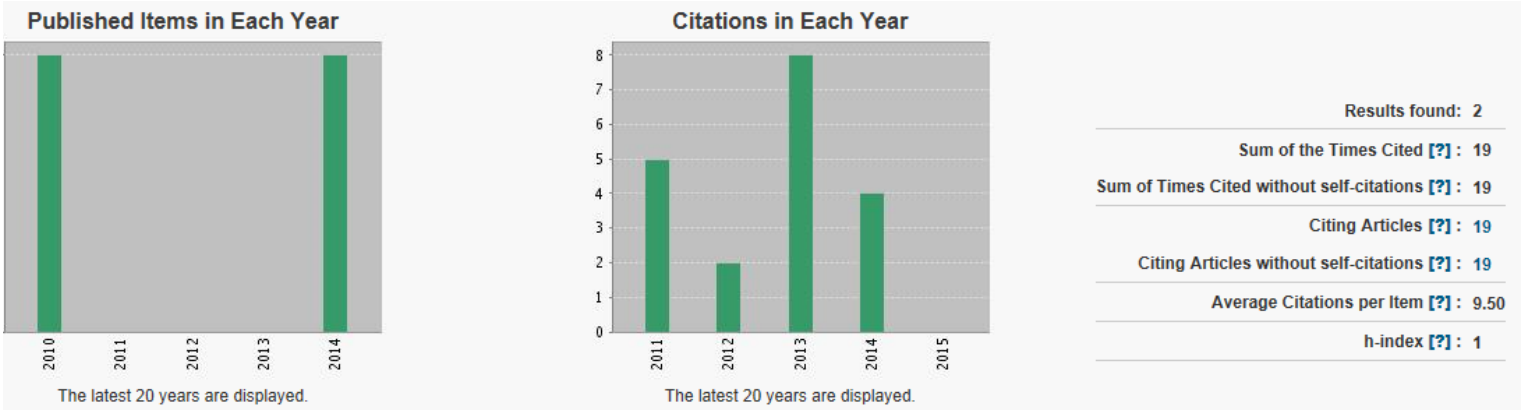
Times cited: 1

2) Buchireddy, PR, R.M. Bricka, J. Rodriguez, W. Holmes. "Biomass Gasification: Catalytic removal of tars over zeolites and nickel supported zeolites." *Energy & Fuels* 24, (2010): 2707-2715.

Times cited: 18

List of Journals:

4) POULTRY SCIENCE
5) ENERGY & FUELS



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	0	1	2	0.40
Citations	0	5	2	8	4	19	3.80

Title: Associate Professor

Name: W. Todd French

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 14

Number of times cited: 82

H-index: 6

List of Publications:

1) Revellame, Emmanuel D., William E. Holmes, Rafael Hernandez, W. Todd French, Lader Lerma, Allison Forks, Taylor Ashe, and L. Antonio Estévez. "Experimental measurement and modeling of the Type 3 ternary system containing (decane+ water+ triacetin)." *The Journal of Chemical Thermodynamics* 67 (2013): 21-27.

Times cited: 0

2) Schneider, T., S. Graeff-Hönninger, W. T. French, R. Hernandez, N. Merkt, W. Claupein, M. Hetrick, and P. Pham. "Lipid and carotenoid production by oleaginous red yeast Rhodotorula glutinis cultivated on brewery effluents." *Energy* 61 (2013): 34-43.

Times cited: 7

3) Revellame, Emmanuel D., Rafael Hernandez, W. Todd French, William E. Holmes, Allison Forks, and Robert Callahan II. "Lipid-enhancement of activated sludges obtained from conventional activated sludge and oxidation ditch processes." *Bioresource technology* 148 (2013): 487-493.

Times cited: 1

4) Braunwald, Teresa, Lisa Schwemmlein, Simone Graeff-Hönninger, William Todd French, Rafael Hernandez, William E. Holmes, and Wilhelm Claupein. "Effect of different C/N ratios on carotenoid and lipid production by Rhodotorula glutinis." *Applied microbiology and biotechnology* 97, no. 14 (2013): 6581-6588.

Times cited: 2

5) Gonzalez-Garcia, Yolanda, Rafael Hernandez, Gouchang Zhang, Froylan ME Escalante, William Holmes, and W. Todd French. "Lipids aYearumulation in Rhodotorula glutinis and CryptocoYearus curvatus growing on distillery wastewater as culture medium." *Environmental Progress & Sustainable Energy* 32, no. 1 (2013): 69-74.

Times cited: 5

6) Revellame, Emmanuel D., William E. Holmes, Tracy J. Benson, Allison L. Forks, W. Todd French, and Rafael Hernandez. "Parametric Study on the Production of Renewable Fuels and Chemicals from Phospholipid-Containing Biomass." *Topics in Catalysis* 55, no. 3-4 (2012): 185-195.

Times cited: 0

7) Revellame, Emmanuel D., Rafael Hernandez, William French, William E. Holmes, Tracy J. Benson, Patrisha J. Pham, Allison Forks, and Robert Callahan II. "Lipid storage compounds in raw activated sludge microorganisms for biofuels and oleochemicals production." *RSC Advances* 2, no. 5 (2012): 2015-2031.

Times cited: 5

8) Mondala, Andro H., Rafael Hernandez, W. Todd French, L. Antonio Estévez, Mark Meckes, Marlene Trillo, and Jacqueline Hall. "Preozonation of primary-treated municipal wastewater for reuse in biofuel feedstock generation." *Environmental Progress & Sustainable Energy* 30, no. 4 (2011): 666-674.

Times cited: 1

9) Pham, Patrisha J., Rafael Hernandez, William T. French, Benjamin G. Estill, and Andro H. Mondala. "A spectrophotometric method for quantitative determination of xylose in fermentation medium." *biomass and bioenergy* 35, no. 7 (2011): 2814-2821.

Times cited: 2

10) Zhang, Guochang, William Todd French, Raf1el Hernandez, Jaclyn Hall, Darrell Sparks, and William E. Holmes. "Microbial lipid production as biodiesel feedstock from N-acetylglucosamine by oleaginous microorganisms." *Journal of Chemical Technology and Biotechnology* 86, no. 5 (2011): 642-650.

Times cited: 7

11) Zhang, Guochang, William Todd French, Rafael Hernandez, Earl Alley, and Maria Paraschivescu. "Effects of furfural and acetic acid on growth and lipid production from glucose and xylose by Rhodotorula glutinis." *biomass and bioenergy* 35, no. 1 (2011): 734-740.

Times cited: 10

12) Revellame, Emmanuel, Rafael Hernandez, William French, William Holmes, Earl Alley, and I. I. Callahan. "Production of biodiesel from wet activated sludge." *Journal of Chemical Technology and Biotechnology* 86, no. 1 (2011): 61-68.

Times cited: 12

13) Revellame, Emmanuel, Rafael Hernandez, William French, William Holmes, and Earl Alley. "Biodiesel from activated sludge through in situ transesterification." *Journal of chemical technology and biotechnology* 85, no. 5 (2010): 614-620.

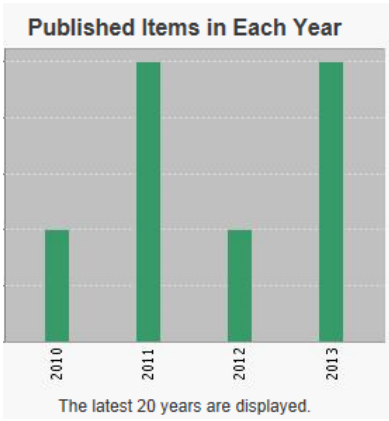
Times cited: 22

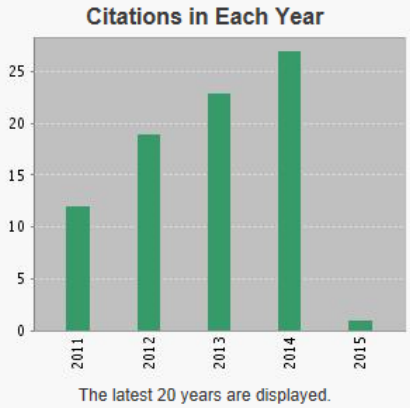
14) Schramm Jr, Harold L., Bruce Vondracek, William E. French, and Patrick D. Gerard. "Factors associated with mortality of walleyes and saugers caught in live-release tournaments." *North American Journal of Fisheries Management* 30, no. 1 (2010): 238-253.

Times cited: 9

List of Journals:

1) THE JOURNAL OF CHEMICAL THERMODYNAMICS
2) ENERGY
3) BIORESOURCE TECHNOLOGY
4) APPLIED MICROBIOLOGY AND BIOTECHNOLOGY
5) ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY
6) TOPICS IN CATALYSIS
7) RSC ADVANCES
8) BIOMASS AND BIOENERGY
9) JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY
10) NORTH AMERICAN JOURNAL OF FISHERIES MANAGEMENT





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Citing Articles [?] : 67
Citing Articles without self-citations [?] : 61
Average Citations per Item [?] : 5.86
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	5	2	5	0	14	3.80
Citations	1	12	19	23	27	82	16.40

Title: Associate Professor

Name: Priscilla J. Hill

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 0

H-index: 0

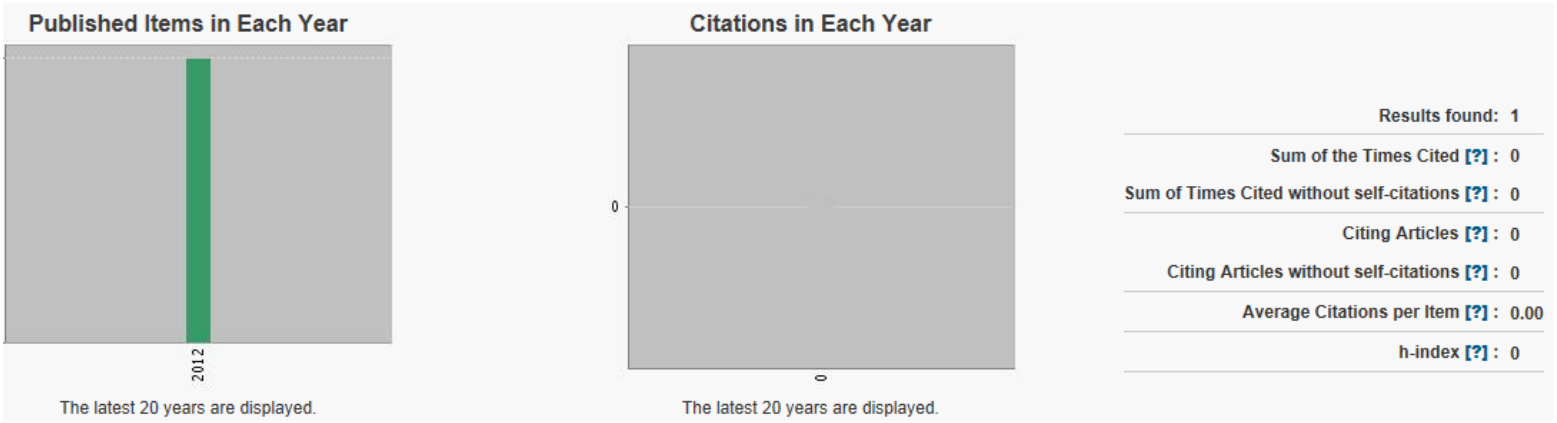
List of Publications:

1) Reeves, Sheena M., and Priscilla J. Hill. "Mechanisms Influencing Crystal Breakage Experiments in Stirred Vessels." *Crystal Growth & Design* 12, no. 6 (2012): 2748-2758.

Times cited: 0

List of Journals:

1) CRYSTAL GROWTH & DESIGN



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	0	0	1	0.20
Citations	0	0	0	0	0	0	0.00

Title: Assistant Professor

Name: Santanu Kundu

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 2

H-index: 1

List of Publications:

1) Waters, Michael S., Santanu Kundu, Nancy J. Lin, and Sheng Lin-Gibson. "Microstructure and mechanical properties of in situ StreptocoYearus mutans biofilms." *ACS applied materials & interfaces* 6, no. 1 (2013): 327-332.

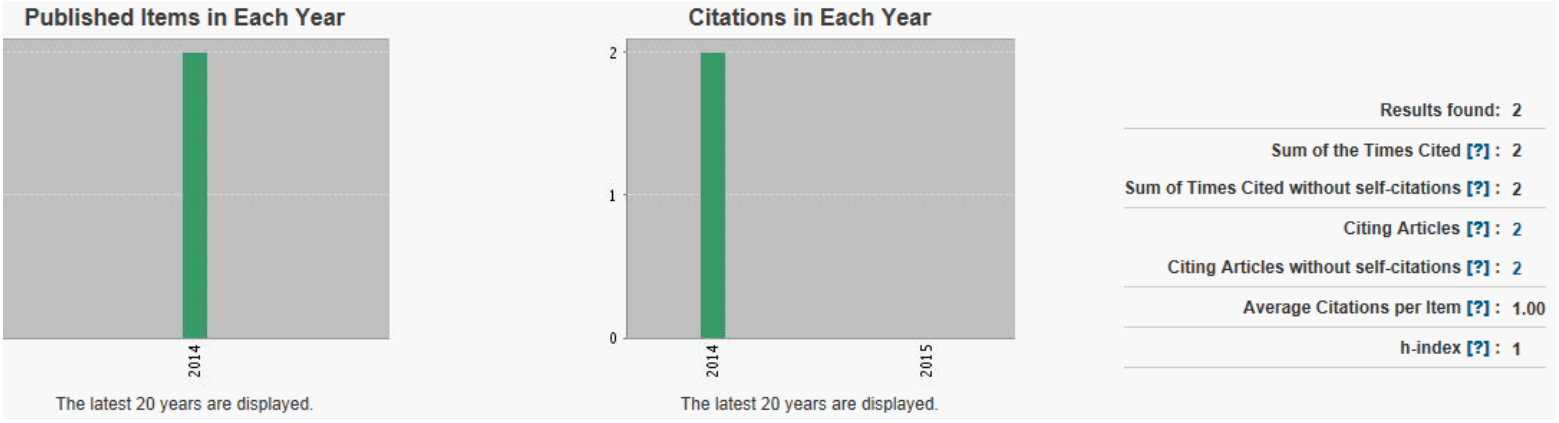
Times cited: 2

2) Vasquez, Erick S., Jacquelyn Bowser, Cyprianna Swiderski, Keisha B. Walters, and Santanu Kundu. "Rheological characterization of mammalian lung mucus." *RSC Advances* 4, no. 66 (2014): 34780-34783.

Times cited: 0

List of Journals:

1) ACS APPLIED MATERIALS & INTERFACES
2) RSC ADVANCES



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	0	2	2	0.40
Citations	0	0	0	0	2	2	0.40

Title: Assistant Professor

Name: Neeraj Rai

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 5

H-index: 1

List of Publications:

1) Tiwari, Surya Prakash, Neeraj Rai, and Edward J. Maginn. "Dynamics of actinyl ions in water: a molecular dynamics simulation study." *Physical Chemistry Chemical Physics* 16, no. 17 (2014): 8060-8069.

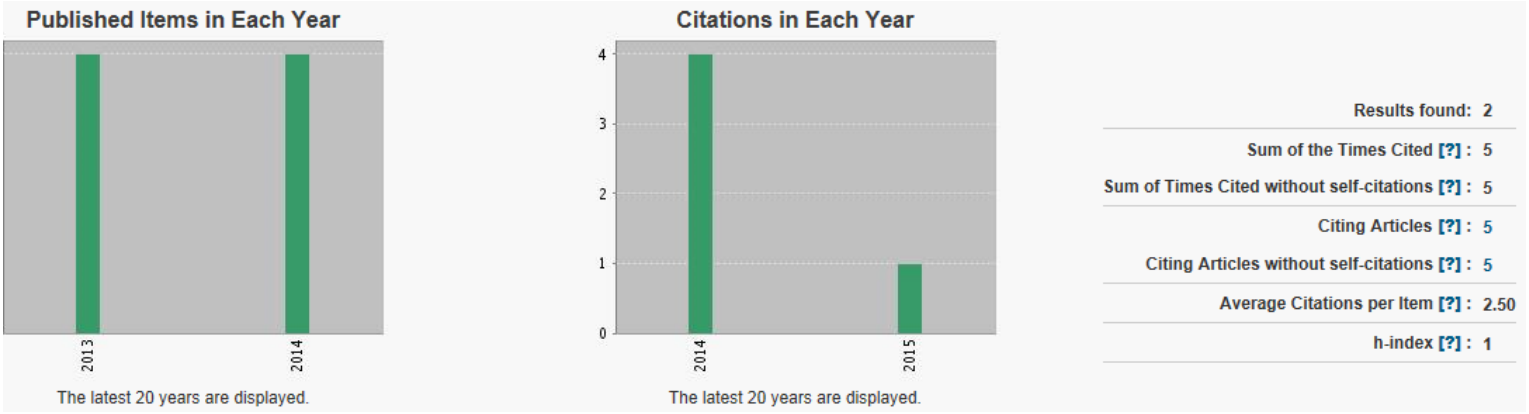
Times cited: 0

2) Rai, Neeraj, Stavros Caratzoulas, and Dionisios G. Vlachos. "Role of Silanol Group in Sn-Beta Zeolite for Glucose Isomerization and Epimerization Reactions." *ACS Catalysis* 3, no. 10 (2013): 2294-2298.

Times cited: 5

List of Journals:

1) PHYSICAL CEMISTRY CHEMICAL PHYSICS
2) ACS CATALYSIS



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	1	1	2	0.40
Citations	0	0	0	0	5	5	1.00

Title: Associate Professor

Name: Keisha Walters

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 15

Number of times cited: 25

H-index: 3

List of Publications:

1) Eyiler, Ersan, I-W. Chu, Mathew D. Rowe, and Keisha B. Walters. "Nanomechanical properties of poly (trimethylene malonate) and poly (trimethylene itaconate) during hydrolytic degradation." *Journal of Applied Polymer Science* 131, no. 22 (2014).

Times cited: 0

2) Ranaweera, Samantha A., Mathew D. Rowe, Keisha B. Walters, William P. Henry, Mark G. White, and Jose M. Rodriguez. "Support of dinuclear copper triketonate complexes on silica: Monolayer loading from complex footprint and the first crystallographically characterized< i> cis</i> dipyridine adduct." *Inorganica Chimica Acta* 423 (2014): 281-289.

Times cited: 0

3) Eyiler, Ersan, I-Wei Chu, and Keisha B. Walters. "Toughening of poly (lactic acid) with the renewable bioplastic poly (trimethylene malonate)." *Journal of Applied Polymer Science* (2014).

Times cited: 0

4) Ding, Shijie, Youqing Shen, Keisha B. Walters, Jing Chen, and Yeling Jin. "pH Responsive Behavior of Fe3O4@ PDEA-PEGMA Core-Shell Hybrid Magnetic Nanoparticles." *International Journal of Polymeric Materials and Polymeric Biomaterials* 63, no. 10 (2014): 487-492.

Times cited: 1

5) Vasquez, Erick S., I-Wei Chu, and Keisha Bishop Walters. "Janus Magnetic Nanoparticles with Bicompartmental Polymer Brush Prepared Using Electrostatic Adsorption to Facilitate Toposelective Surface-initiated ATRP." *Langmuir* (2014).

Times cited: 1

6) Siriwardana, Kumudu, Manuel Gadogbe, Siyam M. Ansar, Erick S. Vasquez, Willard E. Collier, Shengli Zou, Keisha Bishop Walters, and Dongmao Zhang. "Ligand Adsorption and Exchange on Pegylated Gold Nanoparticles." *The Journal of Physical Chemistry C* (2014).

Times cited: 1

7) Eyiler, Ersan, and Keisha B. Walters. "Magnetic iron oxide nanoparticles grafted with poly (itaconic acid)-block-poly (< i> N</i>-isopropylacrylamide)." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 444 (2014): 321-325.

Times cited: 0

8) Vasquez, Erick S., Jacquelyn Bowser, Cyprianna Swiderski, Keisha B. Walters, and Santanu Kundu. "Rheological characterization of mammalian lung mucus." *RSC Advances* 4, no. 66 (2014): 34780-34783.

Times cited: 0

9) Ansar, Siyam M., Ganganath S. Perera, Patricia Gomez, George Salomon, Erick S. Vasquez, I-Wei Chu, Shengli Zou, Charles U. Pittman Jr, Keisha B. Walters, and Dongmao Zhang. "Mechanistic Study of Continuous Reactive Aromatic Organothiol Adsorption onto Silver Nanoparticles." *The Journal of Physical Chemistry C* 117, no. 51 (2013): 27146-27154.

Times cited: 6

10) Vangala, Karthikeshwar, Kumudu Siriwardana, Erick S. Vasquez, Yan Xin, Charles U. Pittman Jr, Keisha B. Walters, and Dongmao Zhang. "Simultaneous and sequential protein and organothiol interactions with gold nanoparticles." *The Journal of Physical Chemistry C* 117, no. 3 (2013): 1366-1374.

Times cited: 6

11) Pizer, Ginger, Keith Walters, and Richard P. Meier. "“We Communicated That Way for a Reason”: Language Practices and Language Ideologies Among Hearing Adults Whose Parents Are Deaf." *Journal of deaf studies and deaf education* 18, no. 1 (2013): 75-92.

Times cited: 1

12) Wang, Xiao, and Keith Walters. "Computational Analysis of Marine-Propeller Performance Using Transition-Sensitive Turbulence Modeling." *Journal of Fluids Engineering* 134, no. 7 (2012): 071107.

Times cited: 0

13) Naske, Caitlin D., Philip Polk, P. Zach Wynne, Jason Speed, William E. Holmes, and Keisha B. Walters. "Postcondensation filtration of pine and cottonwood pyrolysis oil and impacts on aYearelerated aging reactions." *Energy & Fuels* 26, no. 2 (2012): 1284-1297.

Times cited: 4

14) Trim, Michael W., M. F. Horstemeyer, Hongjoo Rhee, Haitham El Kadiri, Lakiesha N. Williams, Jun Liao, Keisha B. Walters, Joanna McKittrick, and Seong-Jin Park. "The effects of water and microstructure on the mechanical properties of bighorn sheep (< i> Ovis canadensis</i>) horn keratin." *Acta biomaterialia* 7, no. 3 (2011): 1228-1240.

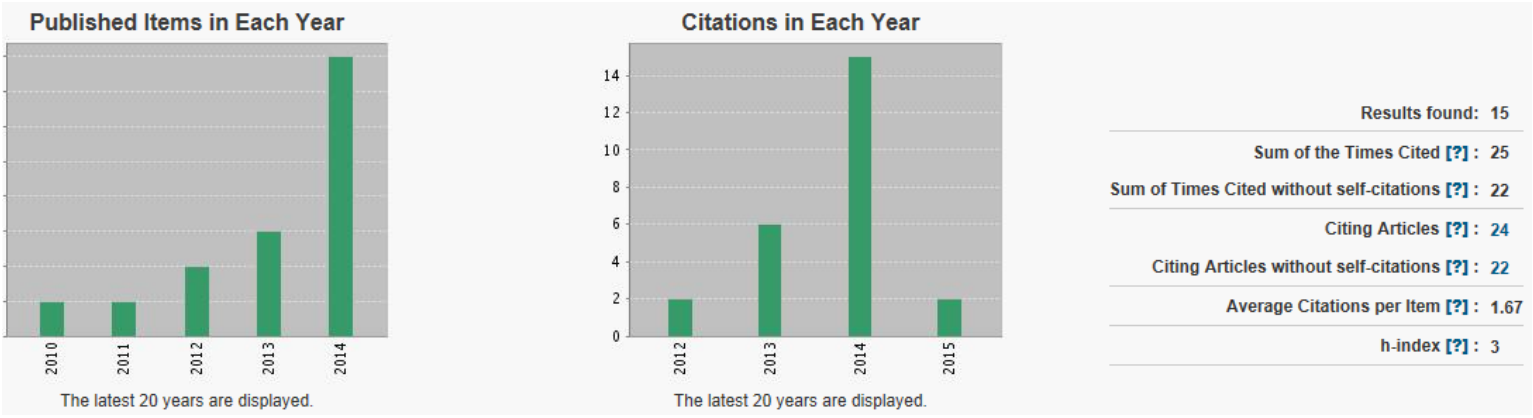
Times cited: 3

15) Burgreen, G.W., R. Hester, B. Soni, D. Thompson, D.K. Walters, K. Walters. "DigitalLung: Application of high-performance computing to biological system simulation." *Advances in Experimental Medicine and Biology* 680, (2010): 573-584.

Times cited: 2

List of Journals:

1) JOURNAL OF APPLIED POLYMER SCIENCE
2) INORGANICA CHIMICA ACTA
3) JOURNAL OF POLYMETRIC MATERIALS AND POLYMETRIC BIOMATERIALS
4) LANGMUIR
5) THE JOURNAL OF PHYSICAL CHEMISTRY
6) COLLOIDS AND SURFACES A: PHYSIOCHEMICAL AND ENGINEERING ASPECTS
7) RCS ADVANCES
8) JOURNAL OF DEAF STUDIES AND DEAF EDUCATION
9) JOURNAL OF FLUIDS ENGINEERING
10) ENERGY & FUELS
11) ACTA BIOMATERIALIA
12) ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	1	2	3	8	15	3.00
Citations	2	0	2	6	15	25	5.00

Tennessee Tech Tenured & Tenured Track Professors

Title: University Distinguished Professor / Chair

Name: Pedro E. Arce

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 17

H-index: 2

List of publications:

5) Thompson, Jeffery W., Holly A. Stretz, Pedro E. Arce, Hongsheng Gao, Harry J. Ploehn, and Jibao He. "Effect of magnetization on the gel structure and protein electrophoresis in polyacrylamide hydrogel nanocomposites."*Journal of Applied Polymer Science* 126, no. 5 (2012): 1600-1612.

Times Cited: 1

6) Pascal, Jennifer, Mario Oyanader, and Pedro Arce. "Effect of capillary geometry on predicting electroosmotic volumetric flowrates in porous or fibrous media." *Journal of colloid and interface science* 378, no. 1 (2012): 241-250.

Times Cited: 0

7) Simhadri, Jyothirmai J., Holly A. Stretz, Mario Oyanader, and Pedro E. Arce. "Role of nanocomposite hydrogel morphology in the electrophoretic separation of biomolecules: a review." *Industrial & Engineering Chemistry Research* 49, no. 23 (2010): 11866-11877.

Times Cited: 11

8) Thompson, Jeffery W., Holly A. Stretz, and Pedro E. Arce. "Preliminary Observations of the Role of Material Morphology on Protein-Electrophoretic Transport in Gold Nanocomposite Hydrogels." *Industrial & Engineering Chemistry Research* 49, no. 23 (2010): 12104-12110.

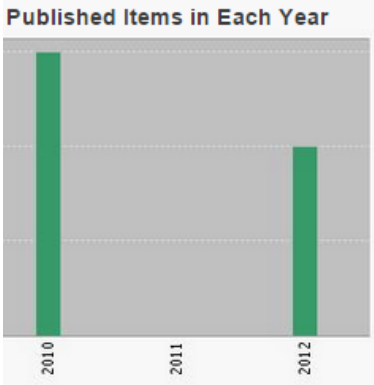
Times Cited: 3

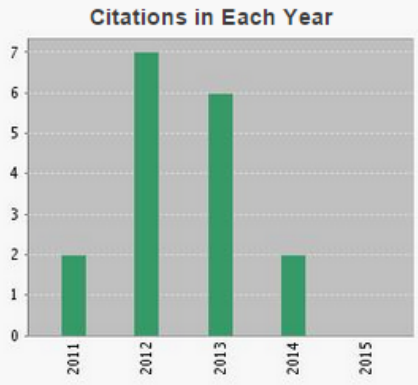
9) Camp, Janey V., Dennis B. George, Martha JM Wells, and Pedro E. Arce. "Monitoring advanced oxidation of Suwannee River fulvic acid."*Environmental Chemistry* 7, no. 3 (2010): 225-231.

Times Cited: 2

List of Journals:

1) JOURNAL OF APPLIED POLYMER SCIENCE
2) JOURNAL OF COLLOID AND INTERFACE SCIENCE
3) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
4) ENVIRONMENTAL CHEMISTRY





Results found: 5
Sum of the Times Cited [?] : 17
Sum of Times Cited without self-citations [?] : 15
Citing Articles [?] : 16
Citing Articles without self-citations [?] : 15
Average Citations per Item [?] : 3.40
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	0	2	0	0	5	1.00
Citations	0	2	7	6	2	19	3.80

Title: University Distinguished Faculty Fellow Professor

Name: Joseph J. Biernacki

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 16

Number of times cited: 63

H-index: 4

List of publications:

1) Murillo, Jessica D., Elizabeth A. Ware, and Joseph J. Biernacki. "Characterization of milling effects on the physical and chemical nature of herbaceous biomass with comparison of fast pyrolysis product distributions using Py-GC/MS." *Journal of Analytical and Applied Pyrolysis* (2014).

Times Cited: 0

2) Kayello, Hamed M., Naresh KR Tadisina, Natalia Shlonimskaya, Joseph J. Biernacki, and Donald P. Visco. "An Application of Computer-Aided Molecular Design (CAMD) Using the Signature Molecular Descriptor—Part 1. Identification of Surface Tension Reducing Agents and the Search for Shrinkage Reducing Admixtures." *Journal of the American Ceramic Society*97, no. 2 (2014): 365-377.

Times Cited: 0

3) Shlonimskaya, Natalia, Joseph J. Biernacki, Hamed M. Kayello, and Donald P. Visco. "An Application of Computer-Aided Molecular Design (CAMD) Using the Signature Molecular Descriptor–Part 2. Evaluating Newly Identified Surface Tension-Reducing Substances for Potential Use as Shrinkage-Reducing Admixtures." *Journal of the American Ceramic Society* 97, no. 2 (2014): 378-385.

Times Cited: 0

4) Agee, Brian M., Gene Mullins, Joseph J. Biernacki, and Daniel J. Swartling. "Wolff–Kishner reduction reactions using a solar irradiation heat source and a green solvent system." *Green Chemistry Letters and Reviews* 7, no. 4 (2014): 383-392.

Times Cited: 0

5) Chaudhari, Ojas A., and Joseph J. Biernacki. "Leaching behavior of hazardous heavy metals from lime fly ash cements." *Journal of Environmental Engineering* 139, no. 5 (2012): 633-641.

Times Cited: 0

6) Xie, Tiantian, and Joseph J. Biernacki. "Growth of Calcium Hydroxide Islands in Tricalcium Silicate-Based Cements at Early Age." *Journal of the American Ceramic Society* 95, no. 9 (2012): 2808-2819.

Times Cited: 0

7) Kirby, David M., and Joseph J. Biernacki. "The effect of water-to-cement ratio on the hydration kinetics of tricalcium silicate cements: Testing the two-step hydration hypothesis." *Cement and Concrete Research* 42, no. 8 (2012): 1147-1156.
Times Cited: 5

8) Xie, Tiantian, and Joseph J. Biernacki. "The origins and evolution of cement hydration models." *Computers & Concrete* 8, no. 6 (2011): 647-675.
Times Cited: 4

9) Biernacki, Joseph J. "International Summit on Cement Hydration Kinetics and Modeling Special Edition Québec City, July 27, 28 and 29, 2009."*Cement and Concrete Research* 41, no. 12 (2011): 1206-1207.
Times Cited: 1

10) Thomas, Jeffrey J., Joseph J. Biernacki, Jeffrey W. Bullard, Shashank Bishnoi, Jorge S. Dolado, George W. Scherer, and Andreas Luttge. "Modeling and simulation of cement hydration kinetics and microstructure development." *Cement and Concrete Research* 41, no. 12 (2011): 1257-1278.
Times Cited: 44

11) Biernacki, Joseph J., and Tiantian Xie. "An advanced single particle model for C3S and alite hydration." *Journal of the American Ceramic Society* 94, no. 7 (2011): 2037-2047.
Times Cited: 3

12) Wei, Ya, Will Hansen, Joseph J. Biernacki, and Erik Schlangen. "Unified Shrinkage Model for Concrete from Autogenous Shrinkage Test on Paste with and without Ground-Granulated Blast-Furnace Slag." *ACI Materials Journal* 108, no. 1 (2011).
Times Cited: 6

13) Kannan, Pravin, Joseph J. Biernacki, Donald P. Visco, Jordan Dunne, Adrian Mether, and David Kirby. "Gas diffusivity through EPS foams." *Journal of Cellular Plastics* 46, no. 4 (2010): 353-373.
Times Cited: 0

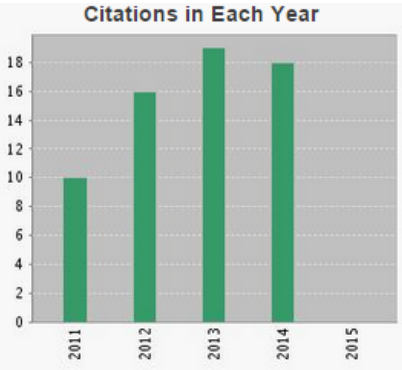
14) Kannan, Pravin, Joseph J. Biernacki, and Donald P. Visco. "Fast pyrolysis kinetics of expanded polystyrene foam." *AIChE journal* 56, no. 6 (2010): 1569-1577.
Times Cited: 0

15) Biernacki, Joseph J. "CEMENT HYDRATION- THE MYSTERY ENDURES."*American Ceramics Society Bulletin* 89, no. 4 (2010): 24-27.
Times Cited: 0

16) Biernacki, Joseph J., Narendar R. Mogulla, Jennifer Bollig, and Martin Bijou. "Kinetics of carbon oxidation from fly ash." *Fuel* 89, no. 5 (2010): 1077-1086.
Times Cited: 0

List of Journals:

1) JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS
2) JOURNAL OF THE AMERICAN CERAMIC SOCIETY
3) GREEN CHEMISTRY LETTERS AND REVIEWS
4) JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE
5) CEMENT AND CONCRETE RESEARCH
6) CEMENT AND CONCRETE RESEARCH
7) ACI MATERIALS JOURNAL
8) JOURNAL OF CELLULAR PLASTICS
9) AICHE JOURNAL
10) AMERICAN CERAMIC SOCIETY BULLETIN
11) FUEL



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Sum of Times Cited without self-citations [?] : 57
Citing Articles [?] : 57
Citing Articles without self-citations [?] : 54
Average Citations per Item [?] : 3.94
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	5	2	1	4	16	3.20
Citations	0	10	16	19	18	63	12.60

Title: Professor / Provost and Vice President for Academic Affairs

Name: Bahman Ghorashi

Web of Science Author IdentifierN/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

Title: Associate Professor

Name: Holly Ann Stretz

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 19

H-index: 3

List of publications:

1) Kaiser, Alexander, Michael Probst, Holly A. Stretz, and Frank Hagelberg. "Aggregates of PCBM molecules: A computational study." *International Journal of Mass Spectrometry* 365 (2014): 225-231.

Times Cited: 0

2) Ambuken, Preejith V., Holly A. Stretz, Joseph H. Koo, Jamie M. Messman, and Derek Wong. "Effect of addition of montmorillonite and carbon nanotubes on a thermoplastic polyurethane: High temperature thermomechanical properties." *Polymer Degradation and Stability* 102 (2014): 160-169.

Times cited: 0

3) Keen, Olya S., Katherine Y. Bell, Carla Cherchi, Benjamin J. Finnegan, Meagan S. Mauter, Austa Marie Parker, James S. Rosenblum, and Holly A. Stretz. "Emerging Pollutants–Part II: Treatment." *Water Environment Research* 86, no. 10 (2014): 2036-2096.

Times cited: 0

4) Bell, Katherine Y., Jeff Bandy, Benjamin J. Finnegan, Olya Keen, Meagan S. Mauter, Austa Marie Parker, Laura C. Sima, and Holly A. Stretz. "Emerging Pollutants–Part II: Treatment." *Water Environment Research* 85, no. 10 (2013): 2022-2071.

Times cited: 0

5) Thompson, Jeffery W., Holly A. Stretz, Pedro E. Arce, Hongsheng Gao, Harry J. Ploehn, and Jibao He. "Effect of magnetization on the gel structure and protein electrophoresis in polyacrylamide hydrogel nanocomposites." *Journal of Applied Polymer Science* 126, no. 5 (2012): 1600-1612.

Times cited: 1

6) Kumar, Ganapathy, Satish M. Mahajan, Holly A. Stretz, and Sanjay K. Apte. "Tuning the magneto-optic response of maghemite doped poly (phenylmethylvinyl siloxane) through electric field based nanoparticle orientation." *Optical Materials Express* 2, no. 6 (2012): 864-871.

Times cited: 1

7) Simhadri, Jyothirmai J., Holly A. Stretz, Mario Oyanader, and Pedro E. Arce. "Role of nanocomposite hydrogel morphology in the electrophoretic separation of biomolecules: a review." *Industrial & Engineering Chemistry Research* 49, no. 23 (2010): 11866-11877.

Times cited: 11

8) Thompson, Jeffery W., Holly A. Stretz, and Pedro E. Arce. "Preliminary Observations of the Role of Material Morphology on Protein-Electrophoretic Transport in Gold Nanocomposite Hydrogels." *Industrial & Engineering Chemistry Research* 49, no. 23 (2010): 12104-12110.

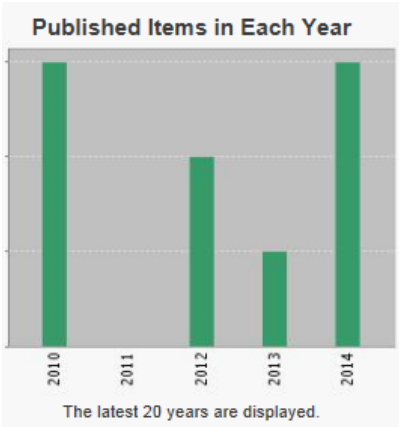
Times cited: 3

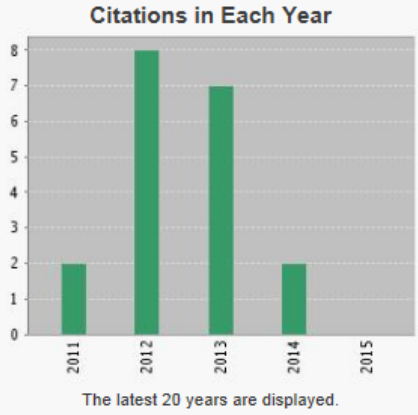
9) Fox, James B., Preejith V. Ambuken, Holly A. Stretz, Roberta A. Peascoe, and E. Andrew Payzant. "Organo-montmorillonite barrier layers formed by combustion: Nanostructure and permeability." *Applied Clay Science* 49, no. 3 (2010): 213-223.

Times cited: 4

List of Journals:

1) INTERNATIONAL JOURNAL OF MASS SPECTROMETRY
2) POLYMER DEGRADATION AND STABILITY
3) WATER ENVIRONMENT RESEARCH
4) JOURNAL OF APPLIED POLYMER SCIENCE
5) OPTICAL MATERIALS EXPRESS





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Sum of the Times Cited [?] :	19
Sum of Times Cited without self-citations [?] :	17
Citing Articles [?] :	18
Citing Articles without self-citations [?] :	17
Average Citations per Item [?] :	2.11
h-index [?] :	3

Year	2010	2011	2012	2013	2014	Total	Average Per year

Publications	3	0	2	1	3	9	1.80
Citations	0	2	8	7	2	19	3.80

Title: Assistant Professor

Name: Laura H. Arias Chavez

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 4

Number of times cited: 12

H-index: 2

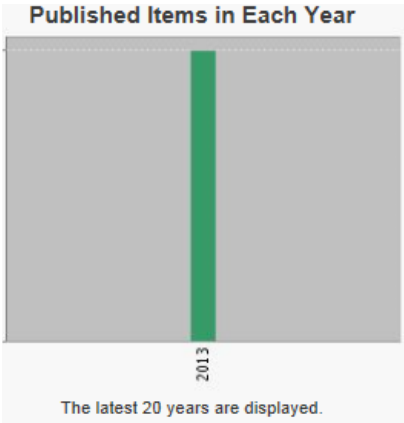
List of publications:

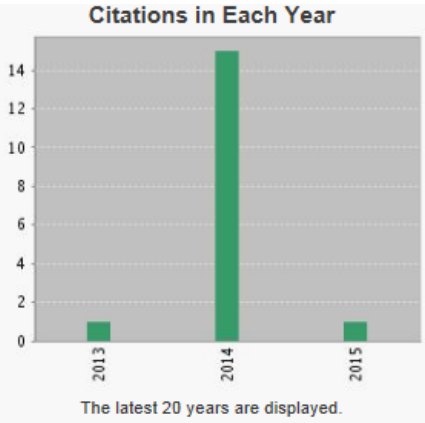
1) Shaffer, Devin L., Laura H. Arias Chavez, Moshe Ben-Sasson, Santiago Romero-Vargas Castrillón, Ngai Yin Yip, and Menachem Elimelech. "Desalination and reuse of high-salinity shale gas produced water: drivers, technologies, and future directions." *Environmental science & technology* 47, no. 17 (2013): 9569-9583.

Times Cited: 17

List of Journals:

1) ENVIRONMENTAL SCIENCE & TECHNOLOGY





Results found: 1
Sum of the Times Cited [?] : 17
Sum of Times Cited without self-citations [?] : 17
Citing Articles [?] : 17
Citing Articles without self-citations [?] : 17
Average Citations per Item [?] : 17.00
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	1	0	1	0.20
Citations	0	0	0	1	16	17	5.67

Title: Assistant Professor

Name: Jennifer A. Pascal

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 4

Number of times cited: 12

H-index: 2

List of publications:

1) Pascal, Jennifer, Carlee E. Ashley, Zhihui Wang, Terisse A. Brocato, Joseph D. Butner, Eric C. Carnes, Eugene J. Koay, C. Jeffrey Brinker, and Vittorio Cristini. "Mechanistic modeling identifies drug-uptake history as predictor of tumor drug resistance and nano-carrier-mediated response." *ACS nano* 7, no. 12 (2013): 11174-11182.

Times Cited: 4

2) Pascal, Jennifer, Elaine L. Bearer, Zhihui Wang, Eugene J. Koay, Steven A. Curley, and Vittorio Cristini. "Mechanistic patient-specific predictive correlation of tumor drug response with microenvironment and perfusion measurements." *Proceedings of the National Academy of Sciences* 110, no. 35 (2013): 14266-14271.

Times Cited: 7

3) Seamster, Pamela E., Michael Loewenberg, Jennifer Pascal, Arnaud Chauviere, Aaron Gonzales, Vittorio Cristini, and Elaine L. Bearer. "Quantitative measurements and modeling of cargo–motor interactions during fast transport in the living axon." *Physical biology* 9, no. 5 (2012): 055005.

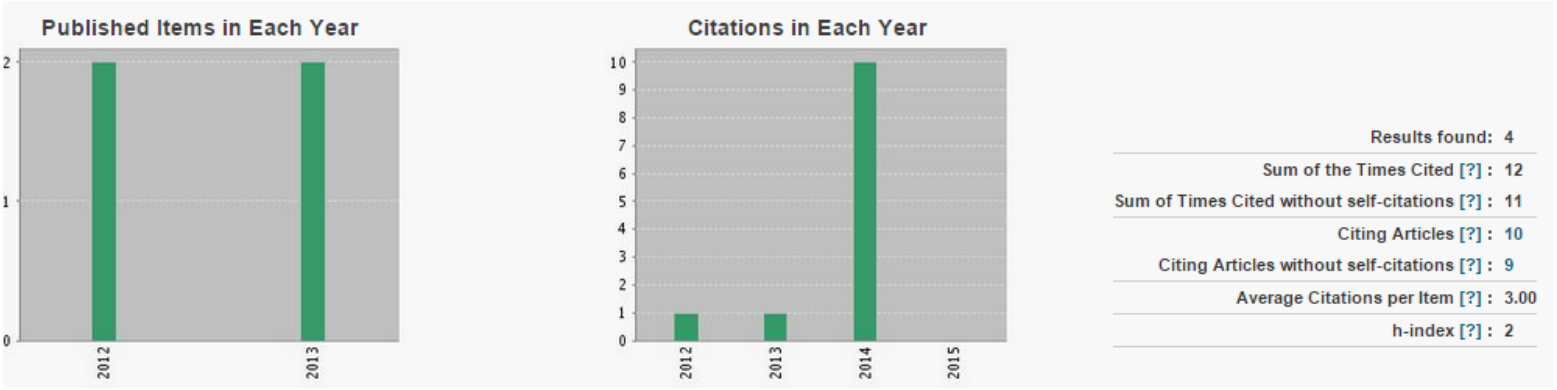
Times Cited: 1

4) Pascal, Jennifer, Mario Oyanader, and Pedro Arce. "Effect of capillary geometry on predicting electroosmotic volumetric flowrates in porous or fibrous media." *Journal of colloid and interface science* 378, no. 1 (2012): 241-250.

Times Cited: 0

List of Journals:

1) JOURNAL OF COLLOID AND INTERFACE SCIENCE
2) ACS NANO
3) PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA
4) PHYSICAL BIOLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	2	2	0	4	0.80
Citations	0	0	1	1	10	12	2.40

Title: Assistant Professor

Name: Cynthia Rice

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 22

H-index: 3

List of publications:

1) Rinaldo, Steven G., Patrick Urchaga, Jingwei Hu, Wendy Lee, Jürgen Stumper, Cynthia Rice, and Michael Eikerling. "Theoretical analysis of electrochemical surface-area loss in supported nanoparticle catalysts." *Physical Chemistry Chemical Physics* 16, no. 48 (2014): 26876-26886.

Times Cited: 0

2) Pistono, Antonio O., Colten S. Burke, Joshua W. Cisco, Christopher Wilson, Bobby G. Adams, and Cynthia A. Rice. "Inhibition of Bismuth Dissolution during Anode Catalyst Layer Pore Former Removal in a Direct Formic Acid Fuel Cell." *ECS Electrochemistry Letters* 3, no. 11 (2014): F65-F67.

Times cited: 0

3) Bauskar, Akshay S., and Cynthia A. Rice. "Spontaneously Bi decorated carbon supported Pd nanoparticles for formic acid electro-oxidation." *Electrochimica Acta* 107 (2013): 562-568.

Times cited: 1

4) Bauskar, Akshay S., and Cynthia A. Rice. "Spontaneously Bi decorated carbon supported Pt nanoparticles for formic acid electro-oxidation." *Electrochimica Acta* 93 (2013): 152-157.

Times cited: 8

5) Bauskar, Akshay S., and Cynthia A. Rice. "Impact of anode catalyst layer porosity on the performance of a direct formic acid fuel cell." *Electrochimica Acta* 62 (2012): 36-41.

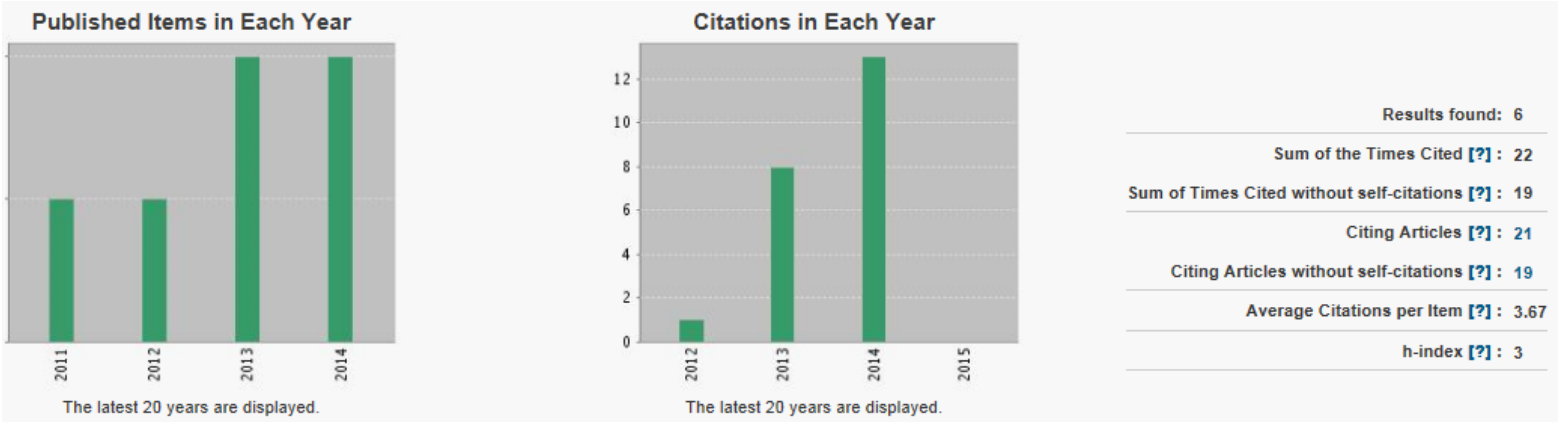
Times cited: 4

6) Healy, Richard W., Timothy T. Bartos, Cynthia A. Rice, Michael P. McKinley, and Bruce D. Smith. "Groundwater chemistry near an impoundment for produced water, Powder River Basin, Wyoming, USA." *Journal of Hydrology* 403, no. 1 (2011): 37-48.

Times cited: 9

List of Journals:

1) PHYSICAL CHEMISTRY CHEMICAL PHYSICS
2) ECS ELECTROCHEMISTRY LETTERS
3) ELECTORCHIMICA ACTA
4) JOURNAL OF HYDROLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	1	2	2	6	1.20
Citations	0	0	1	8	13	22	5.50

Title: Assistant Professor

Name: Jeffery Rice

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 40

H-index: 3

List of publications:

1) Martino, Mikaël M., Priscilla S. Briquez, Esra Güç, Federico Tortelli, Witold W. Kilarski, Stephanie Metzger, Jeffrey J. Rice et al. "Growth Factors Engineered for Super-Affinity to the Extracellular Matrix Enhance Tissue Healing." *Science* 343, no. 6173 (2014): 885-888.

Times cited: 9

2) De Laporte, Laura, Jeffrey J. Rice, Federico Tortelli, and Jeffrey A. Hubbell. "Tenascin C promiscuously binds growth factors via its fifth fibronectin type III-like domain." *PloS one* 8, no. 4 (2013): e62076.

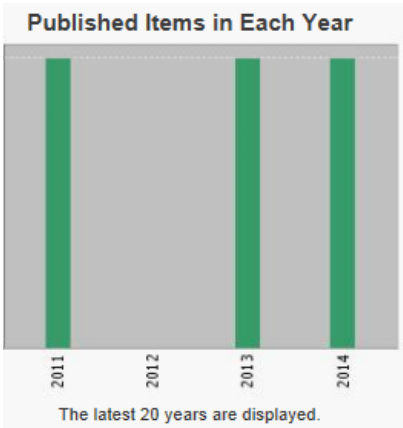
Times cited: 5

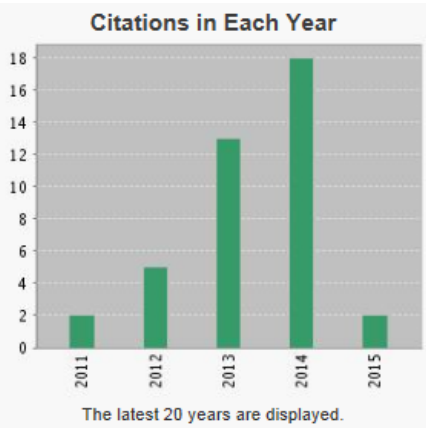
3) Getz, Jennifer A., Jeffrey J. Rice, and Patrick S. Daugherty. "Protease-resistant peptide ligands from a knottin scaffold library." *ACS chemical biology* 6, no. 8 (2011): 837-844.

Times cited: 26

List of Journals:

1) SCIENCE
2) PLOS ONE
3) ACS CHEMICAL BIOLOGY





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h-index [?] :	3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	0	1	1	3	0.60
Citations	2	2	5	13	18	40	8.00

Title: Assistant Professor

Name: Robby Sanders

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

University of Idaho Tenure & Tenured Track Professors

Title: Interim Chair/Professor

Name: D. Eric Aston

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 24

Number of times cited: 168

H-index: 8

List of Publications:

1) Tantawy, Hesham Ramzy, Andrew T. Weakley, and D. Eric Aston. "Chemical Effects of a Solvent-Limited Approach to HCl-Doped Polyaniline Nanopowder Synthesis." *The Journal of Physical Chemistry C* 118, no. 2 (2013): 1294-1305.
Times Cited: 1

2) Weakley, Andrew T., D. Eric Aston, and Peter R. Griffiths. "Automatic Baseline Correction of Vibrational Circular Dichroism Spectra." *Applied spectroscopy* 67, no. 10 (2013): 1117-1126.
Times Cited: 0

3) Tantawy, Hesham Ramzy, D. Eric Aston, Jacob R. Smith, and Jeffrey L. Young. "Comparison of electromagnetic shielding with polyaniline nanopowders produced in solvent-limited conditions." *ACS applied materials & interfaces* 5, no. 11 (2013): 4648-4658.
Times Cited: 9

4) Aston, D. E., J. R. Bow, and D. N. Gangadean. "Mechanical properties of selected nanostructured materials and complex bio-nano, hybrid and hierarchical systems." *International Materials Reviews* 58, no. 3 (2013): 167-202.
Times Cited: 5

5) Lu, Xiaonan, Qian Liu, Javier A. Benavides-Montano, Anthony V. Nicola, D. Eric Aston, Barbara A. Rasco, and Hector C. Aguilar. "Detection of receptor-induced glycoprotein conformational changes on enveloped virions by using confocal micro-Raman spectroscopy." *Journal of virology* 87, no. 6 (2013): 3130-3142.
Times Cited: 6

6) Weakley, Andrew Todd, P. C. Warwick, Thomas E. Bitterwolf, and D. Eric Aston. "Multivariate Analysis of Micro-Raman Spectra of Thermoplastic Polyurethane Blends Using Principal Component Analysis and Principal Component Regression." *Applied spectroscopy* 66, no. 11 (2012): 1269-1278.
Times Cited: 3

7) Lu, Xiaonan, Andrew T. Weakley, D. Eric Aston, Barbara A. Rasco, Shuo Wang, and Michael E. Konkel. "Examination of nanoparticle inactivation of Campylobacter jejuni biofilms using infrared and Raman spectroscopies."*Journal of applied microbiology* 113, no. 4 (2012): 952-963.
Times Cited: 3

8) Lu, Xiaonan, Qian Huang, William G. Miller, D. Eric Aston, Jie Xu, Feng Xue, Hongwei Zhang, Barbara A. Rasco, Shuo Wang, and Michael E. Konkel. "Comprehensive detection and discrimination of Campylobacter species by use of confocal micro-Raman spectroscopy and multilocus sequence typing." *Journal of clinical microbiology* 50, no. 9 (2012): 2932-2946.
Times Cited: 6

9) Aston, D. E., C. A. Berven, B. C. Williams, and A. Basu. "Mathematical analysis of effects on the electrostatic double layer of nanoscale surfaces in microfluidic channels." *The Canadian Journal of Chemical Engineering* 90, no. 4 (2012): 1059-1065.
Times Cited: 0

10) Weakley, Andrew T., Peter R. Griffiths, and D. Eric Aston. "Automatic baseline subtraction of vibrational spectra using minima identification and discrimination via adaptive, least-squares thresholding." *Applied spectroscopy* 66, no. 5 (2012): 519-529.
Times Cited: 10

11) Oriero, Dennis A., Andrew T. Weakley, and D. Eric Aston. "Rheological and micro-Raman time-series characterization of enzyme sol–gel solution toward morphological control of electrospun fibers." *Science and Technology of Advanced Materials* 13, no. 2 (2012): 025008.
Times Cited: 0

12) áEric Aston, D., and A. áLarry Branen. "DNA detection on lateral flow test strips: enhanced signal sensitivity using LNA-conjugated gold nanoparticles." *Chemical Communications* 48, no. 62 (2012): 7714-7716.
Times Cited: 5

13) Lu, Xiaonan, Barbara A. Rasco, Jamie MF Jabal, D. Eric Aston, Mengshi Lin, and Michael E. Konkel. "Investigating antibacterial effects of garlic (Allium sativum) concentrate and garlic-derived organosulfur compounds on Campylobacter jejuni by using Fourier transform infrared spectroscopy, Raman spectroscopy, and electron microscopy." *Applied and environmental microbiology* 77, no. 15 (2011): 5257-5269.
Times Cited: 15

14) Oriero, Dennis A., Jamie MF Jabal, Lee Deobald, Andrew T. Weakley, and D. Eric Aston. "A potential enzyme-encapsulating, ultrafine fiber for phenol detection." *Reactive and Functional Polymers* 71, no. 8 (2011): 870-880.
Times Cited: 7

15) Timalsina, Yukta P., Joshua Branen, D. Eric Aston, Kenneth Noren, Giancarlo Corti, Randi Schumacher, and David N. McIlroy. "Alternating current impedance spectroscopic analysis of biofunctionalized vertically-aligned silica nanospring surface for biosensor applications." *Journal of Applied Physics* 110, no. 1 (2011): 014901.
Times Cited: 3

16) Cheng, I. Francis, Yuqun Xie, R. Allen Gonzales, Przemysław R. Brejna, Jency Pricilla Sundararajan, B. A. Fouetio Kengne, D. Eric Aston, David N. McIlroy, Jeremy D. Foutch, and Peter R. Griffiths. "Synthesis of graphene paper from pyrolyzed asphalt." *Carbon* 49, no. 8 (2011): 2852-2861.
Times Cited: 16

17) Lu, Xiaonan, Barbara A. Rasco, Dong− Hyun Kang, Jamie MF Jabal, D. Eric Aston, and Michael E. Konkel. "Infrared and Raman spectroscopic studies of the antimicrobial effects of garlic

concentrates and diallyl constituents on foodborne pathogens." *Analytical chemistry* 83, no. 11 (2011): 4137-4146.
Times Cited: 15

18) Lu, Xiaonan, Carolyn F. Ross, Joseph R. Powers, D. Eric Aston, and Barbara A. Rasco. "Determination of Total Phenolic Content and Antioxidant Activity of Garlic (Allium sativum) and Elephant Garlic (Allium ampeloprasum) by Attenuated Total Reflectance–Fourier Transformed Infrared Spectroscopy."*Journal of agricultural and food chemistry* 59, no. 10 (2011): 5215-5221.
Times Cited: 8

19) Rastogi, Shiva K., Parul Pal, D. Eric Aston, Thomas E. Bitterwolf, and A. Larry Branen. "8-Aminoquinoline functionalized silica nanoparticles: a fluorescent nanosensor for detection of divalent zinc in aqueous and in yeast cell suspension." *ACS applied materials & interfaces* 3, no. 5 (2011): 1731-1739.
Times Cited: 22

20) Pal, Parul, Shiva K. Rastogi, Charlene M. Gibson, D. Eric Aston, A. Larry Branen, and Thomas E. Bitterwolf. "Fluorescence sensing of zinc (II) using ordered mesoporous silica material (MCM-41) functionalized with N-(quinolin-8-yl)-2-[3-(triethoxysilyl) propylamino] acetamide." *ACS applied materials & interfaces* 3, no. 2 (2011): 279-286.
Times Cited: 14

21) Sai, V. V. R., Devananda Gangadean, Ishwar Niraula, Jamie MF Jabal, Giancarlo Corti, D. N. McIlroy, D. Eric Aston, Josh R. Branen, and Patrick J. Hrdlicka. "Silica nanosprings coated with noble metal nanoparticles: Highly active SERS substrates." *The Journal of Physical Chemistry C* 115, no. 2 (2010): 453-459.
Times Cited: 10

22) Timalsina, Yukta P., Dennis Oriero, Timothy Cantrell, Tej Prakash, Joshua Branen, D. Eric Aston, Kenneth Noren et al. "Characterization of a vertically aligned silica nanospring-based sensor by alternating current impedance spectroscopy." *Journal of Micromechanics and Microengineering* 20, no. 9 (2010): 095005.
Times Cited: 2

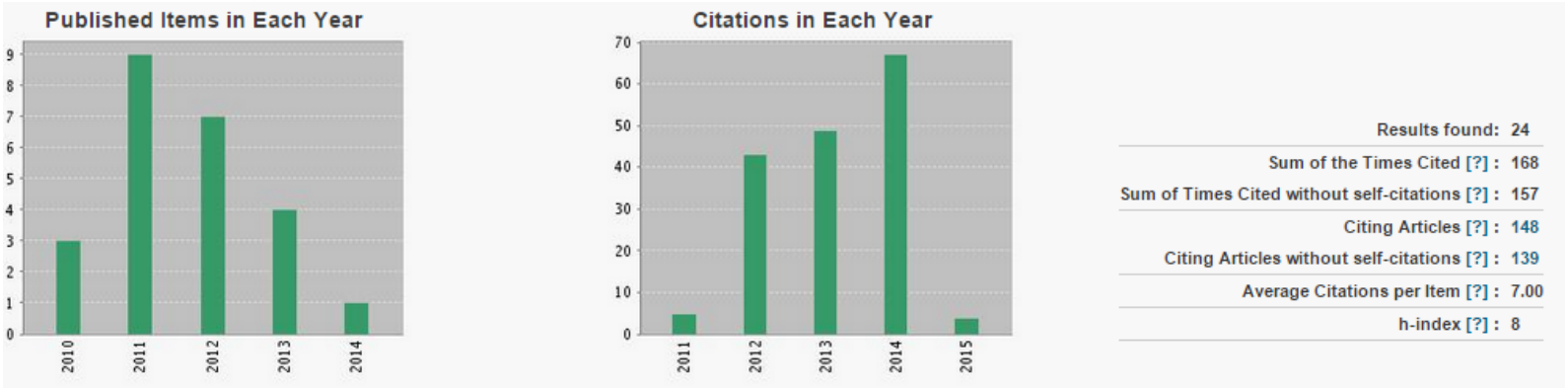
23) Jabal, Jamie MF, Laurel McGarry, Abigail Sobczyk, and D. Eric Aston. "Substrate Effects on the Wettability of Electrospun Titania− Poly (vinylpyrrolidone) Fiber Mats." *Langmuir* 26, no. 16 (2010): 13550-13555.
Times Cited: 5

24) Gangadean, D., David N. McIlroy, Brian E. Faulkner, and D. Eric Aston. "Winkler boundary conditions for three-point bending tests on 1D nanomaterials." *Nanotechnology* 21, no. 22 (2010): 225704.
Times Cited: 3

List of Journals:

1) JOURNAL OF PHYSICAL CHEMISTRY C
2) APPLIED SPECTROSCOPY
3) ACS APPLIED MATERIALS & INTERFACES
4) INTERNATIONAL MATERIALS REVIEWS

5) JOURNAL OF VIROLOGY
6) JOURNAL OF APPLIED MICROBIOLOGY
7) JOURNAL OF CLINICAL MICROBIOLOGY
8) CANADIAN JOURNAL OF CHEMICAL ENGINEERING
9) SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS
10) CHEMICAL COMMUNICATIONS
11) APPLIED AND ENVIRONMENTAL MICROBIOLOGY
12) REACTIVE & FUNCTIONAL POLYMERS
13) JOURNAL OF APPLIED PHYSICS
14) CARBON
15) ANALYTICAL CHEMISTRY
16) JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY
17) JOURNAL OF PHYSICAL CHEMISTRY C
18) JOURNAL OF MICROMECHANICS AND MICROENGINEERING
19) LANGMUIR
20) NANOTECHNOLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	9	7	4	1	24	4.80
Citations	4	5	41	43	75	168	33.60

Title: Professor

Name: Vivek Utgikar

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 18

H-index: 3

List of Publications:

1) Sorge, Matthew, Thomas Bean, Travis Woodland, John Canning, I. Frank Cheng, and Dean B. Edwards. "Investigating the use OF porous, hollow glass microspheres IN positive lead acid battery plates." *Journal of Power Sources* (2014).

Times Cited: 0

2) Wolbrecht, Eric, Michael Anderson, John Canning, Dean Edwards, Jim Frenzel, Doug Odell, Tom Bean et al. "Field Testing of Moving Short-baseline Navigation for Autonomous Underwater Vehicles using Synchronized Acoustic Messaging." *Journal of Field Robotics* 30, no. 4 (2013): 519-535.

Times Cited: 0

3) Walker, Christopher R., Jordan Q. Stringfield, Eric T. Wolbrecht, Michael J. Anderson, John R. Canning, Thomas A. Bean, Douglas L. Odell, James F. Frenzel, and Dean B. Edwards. "Measurement of the magnetic signature of a moving surface vessel with multiple magnetometer-equipped AUVs." *Ocean Engineering* 64 (2013): 80-87.

Times Cited: 1

4) Woodland, Travis, Matthew Sorge, Song Zhang, Thomas Bean, Simon McAllister, John Canning, Yuqun Xie, and Dean Edwards. "Experimental and theoretical investigation of nonconductive additives on the performance of positive lead acid battery plates." *Journal of Power Sources* 230 (2013): 15-24.

Times Cited: 2

5) Xie, Yuqun, Simon D. McAllister, Dean B. Edwards, and I. Francis Cheng. "Fabrication of porous hollow glass microspheres." *Journal of Power Sources* 196, no. 24 (2011): 10727-10730.

Times Cited: 7

6) Harwood, Richard Corban, Valipuram S. Manoranjan, and Dean B. Edwards. "Lead-Acid Battery Model Under Discharge With a Fast Splitting Method."*Energy Conversion, IEEE Transactions on* 26, no. 4 (2011): 1109-1117.

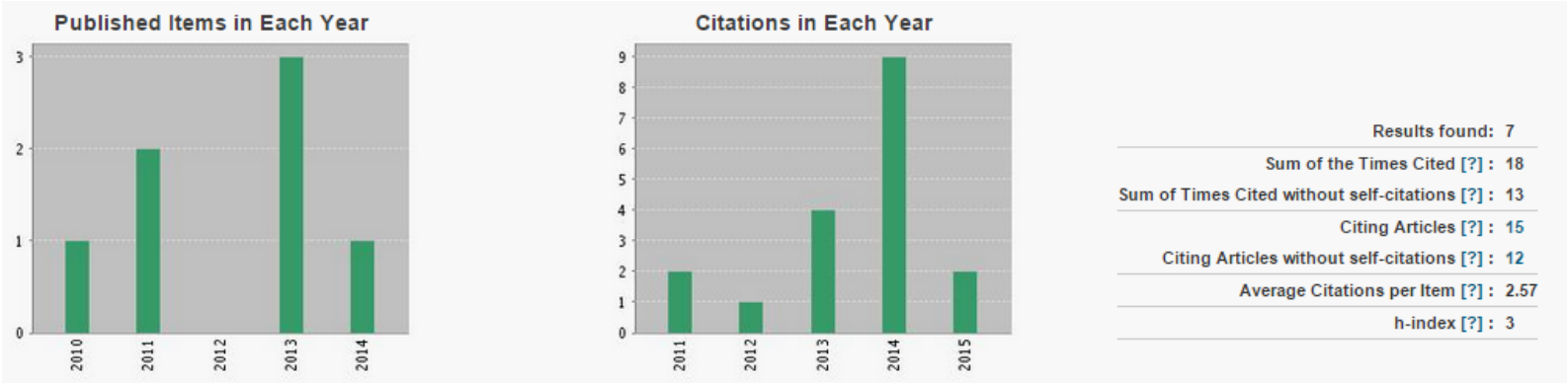
Times Cited: 3

7) Zhang, Song, Thomas Bean, and Dean B. Edwards. "Examination of different lattice structures in porous electrodes using a three-dimensional conductivity model." *Journal of Power Sources* 195, no. 3 (2010): 883-889.

Times Cited: 5

List of Journals:

1) JOURNAL OF POWER SOURCES
2) JOURNAL OF FIELD ROBOTICS
3) OCEAN ENGINEERING
4) IEEE TRANSACTIONS ON ENERGY CONVERSION



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	2	0	3	1	7	1.40
Citations	2	2	1	4	9	0	0.00

Title: Interim Chair/Professor

Name: D. Eric Aston

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 46

H-index: 4

List of Publications:

1) Belt, Jeffrey R., Dawn M. Bernardi, and Vivek Utgikar. "Development and Use of a Lithium-Metal Reference Electrode in Aging Studies of Lithium-Ion Batteries." *Journal of The Electrochemical Society* 161, no. 6 (2014): A1116-A1126.

Times Cited: 0

2) Belt, J., V. Utgikar, and I. Bloom. "Calendar and PHEV cycle life aging of high-energy, lithium-ion cells containing blended spinel and layered-oxide cathodes." *Journal of Power Sources* 196, no. 23 (2011): 10213-10221.

Times Cited: 31

3) Wijayasekara, Dumidu, Milos Manic, Piyush Sabharwall, and Vivek Utgikar. "Optimal artificial neural network architecture selection for performance prediction of compact heat exchanger with the EBaLM-OTR technique."*Nuclear Engineering and Design* 241, no. 7 (2011): 2549-2557.

Times Cited: 4

4) Petkovic, Lucia M., Vivek Utgikar, and Sergey N. Rashkeev. "Structural Stability and Catalytic Activity of Lanthanum-Based Perovskites." *The Journal of Physical Chemistry C* 115, no. 17 (2011): 8709-8715.

Times Cited: 5

5) Utgikar, V. P., J. Vijaykumar, and K. Thyagarajan. "Refinement of motivity factor in comparison of transportation fuels." *International Journal of Hydrogen Energy* 36, no. 5 (2011): 3302-3304.

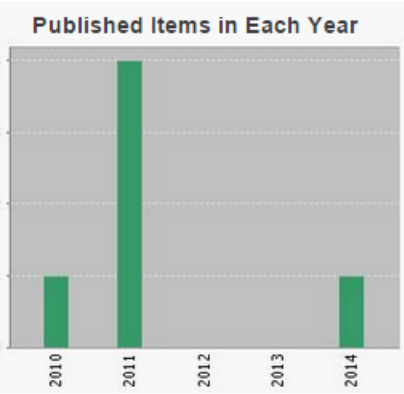
Times Cited: 2

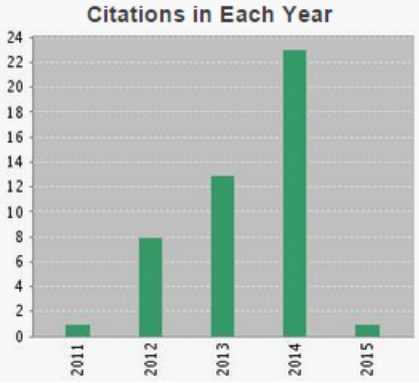
6) Sabharwall, Piiyush, Mike Patterson, Vivek Utgikar, and Fred Gunnerson. “Phase change heat transfer device for process heat applications.” *Nuclear Engineering and Design* 240, no. 10 (2010): 2409-2414.

Times Cited: 4

List of Journals:

1) JOURNAL OF THE ELECTROCHEMICAL SOCIETY
2) JOURNAL OF POWER SOURCES
3) NUCLEAR ENGINEERING AND DESIGN
4) JOURNAL OF PHYSICAL CHEMISTRY C
5) INTERNATIONAL JOURNAL OF HYDROGEN ENERGY
6) NUCLEAR ENGINEERING AND DESIGN





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Citing Articles without self-citations [?] : 44
Average Citations per Item [?] : 7.67
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	4	0	0	1	6	1.20
Citations	1	1	8	13	23	46	9.20

Title: Professor

Name: Wudneh Admassu

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 1

H-index: 1

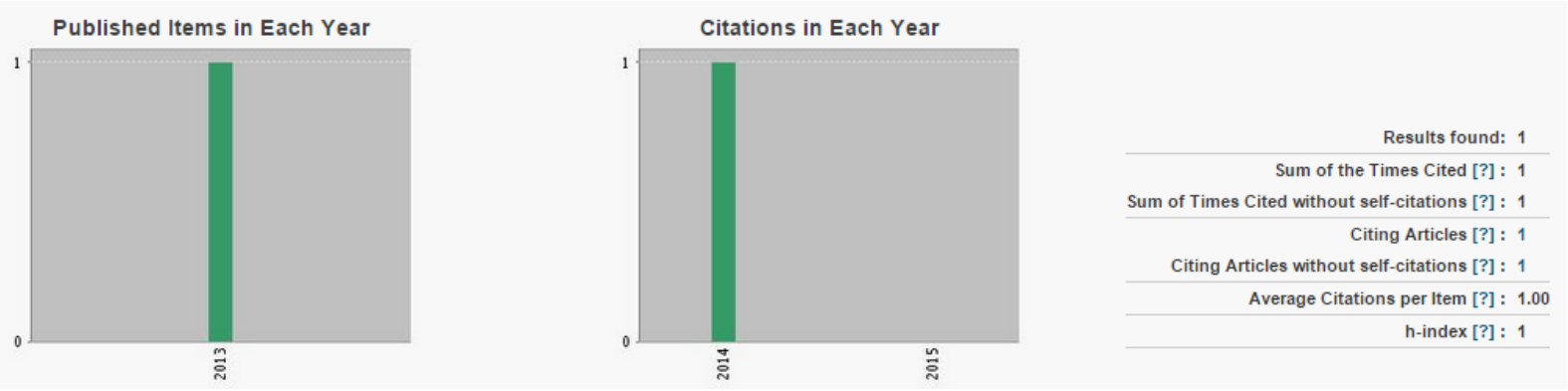
List of Publications:

1) Johnson, Kyle R., and Wudneh Admassu. "Mixed algae cultures for low cost environmental compensation in cultures grown for lipid production and wastewater remediation." *Journal of Chemical Technology and Biotechnology* 88, no. 6 (2013): 992-998.

Times Cited: 1

List of Journals:

1) JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	1	0	1	0.20
Citations	0	0	0	0	1	1	0.20

Title: Associate Professor

Name: Dave Drown

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

Title: Assistant Professor

Name: James B. Moberly

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

Title: Assistant Professor

Name: Soumya Srivastava

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 96

H-index: 4

List of Publications:

1) Jubery, Talukder Z., Soumya K. Srivastava, and Prashanta Dutta. "Dielectrophoretic separation of bioparticles in microdevices: A review."*Electrophoresis* 35, no. 5 (2014): 691-713.

Times Cited: 4

2) Srivastava, Soumya K., Andreas Artemiou, and Adrienne R. Minerick. "Direct current insulator-based dielectrophoretic characterization of erythrocytes: ABO-Rh human blood typing." *Electrophoresis* 32, no. 18 (2011): 2530-2540.

Times Cited: 14

3) Ivory, Cornelius F., and Soumya K. Srivastava. "Direct current dielectrophoretic simulation of proteins using an array of circular insulating posts." *Electrophoresis* 32, no. 17 (2011): 2323-2330.

Times Cited: 8

4) Srivastava, Soumya Keshavamurthy, Javier L. Baylon-Cardiel, Blanca H. Lapizco-Encinas, and Adrienne Robyn Minerick. "A continuous DC-insulator dielectrophoretic sorter of microparticles." *Journal of Chromatography A*1218, no. 13 (2011): 1780-1789.

Times Cited: 19

5) Srivastava, Soumya K., Aytug Gencoglu, and Adrienne R. Minerick. "DC insulator dielectrophoretic applications in microdevice technology: a review."*Analytical and bioanalytical chemistry* 399, no. 1 (2011): 301-321.

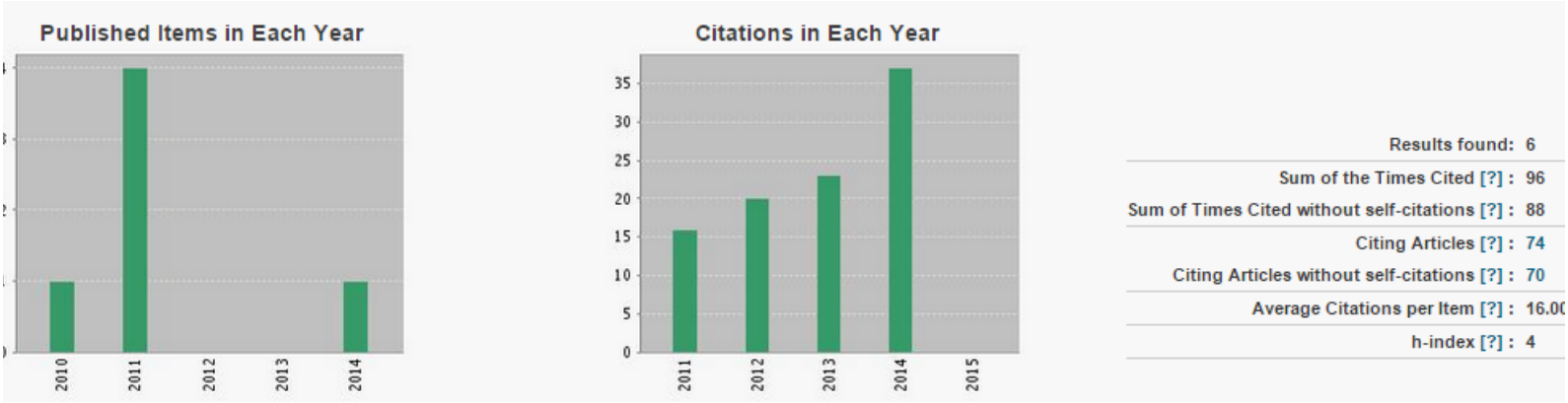
Times Cited: 50

6) Srivastava, Soumya K., Anurag K. Srivastava, Adrienne R. Minerick, and Noel N. Schulz. "Recruitment and retention of international graduate students in US universities." (2011): 1561-1574.

Times Cited: 0

List of Journals:

1) ELECTROPHORESIS
2) JOURNAL OF CHROMATOGRAPHY A
3) ANALYTICAL AND BIOANALYTICAL CHEMISTRY
4) INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	4	0	0	1	6	1.20
Citations	0	16	20	23	37	96	19.20

Title: Assistant Professor

Name: Haiyan Zhao

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 11

H-index: 2

List of Publications:

1) Zhao, Haihua, Ling Zou, and Hongbin Zhang. "Simulation of thermal stratification in BWR suppression pools with one dimensional modeling method." *Annals of Nuclear Energy* 63 (2014): 533-540.

Times Cited: 0

2) Yu, Wusheng, Tandong Yao, Shichang Kang, Jianchen Pu, Wei Yang, Tanguang Gao, Huabiao Zhao et al. "Different region climate regimes and topography affect the changes in area and mass balance of glaciers on the north and south slopes of the same glacierized massif (the West Nyainqentanglha Range, Tibetan Plateau)." *Journal of Hydrology* 495 (2013): 64-73.

Times Cited: 4

3) Zhao, Haihua, Hongbin Zhang, Phil Sharpe, Blaise Hamanaka, Wei Yan, and WoonSeong Jeong. "Ice Thermal Storage Systems for Nuclear Power Plant Supplemental Cooling and Peak Power Shifting." *Journal of Energy Engineering* 139, no. 1 (2012): 41-47.

Times Cited: 0

4) Haihua Zhao, and Vincent A. Mousseau. “Extended Forward Sensitivity Analysis fr Uncertainty Quantification.” *Nuclear Technology* 181, no. 1 (2013): 184-195.

Times Cited: 0

5) Zhao, Haihua, and Per F. Peterson. "Advanced Multieffect Distillation System for Desalination Using Waste Heat from Gas Brayton Cycles." *Nuclear technology* 180, no. 3 (2012): 422-436.

Times Cited: 0

6) Zhao, Haihua, and Vincent A. Mousseau. “Use of forward sensitivity analysis method to improve code scaling, applicability, and uncertainty (CSAU) methodology.” *Nuclear Engineering and Design* 249 (20120): 188-196.

Times Cited: 0

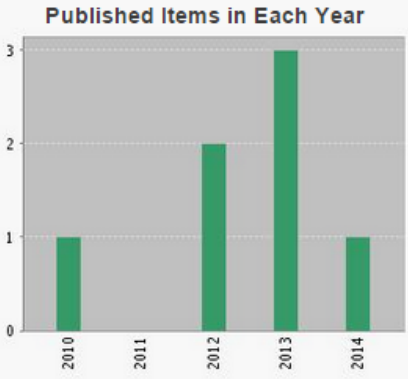
7) Zheng, Wei, Tandong Yao, Daniel Robert Joswiak, Baiqing Xu, Ninglian Wang, and Huabiao Zhao. "Major ions composition records from a shallow ice core on Mt. Tanggula in the central Qinghai-Tibetan Plateau."*Atmospheric Research* 97, no. 1 (2010): 70-79.

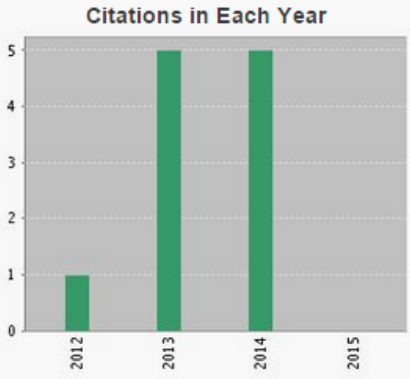
Times Cited: 7

List of Journals:

1) ANNALS OF NUCLEAR ENERGY
2) JOURNAL OF HYDROLOGY

3) JOURNAL OF ENERGY ENGINEERING-ASCE
4) NUCLEAR TECHNOLOGY
5) NUCLEAR ENGINEERING AND DESIGN
6) ATMOSPHERIC RESEARCH





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Sum of the Times Cited [?] : 11
Sum of Times Cited without self-citations [?] : 11
Citing Articles [?] : 11
Citing Articles without self-citations [?] : 11
Average Citations per Item [?] : 1.57
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	2	3	1	7	1.20
Citations	0	0	1	5	5	11	2.20

University of Mississippi Tenure & Tenured Track Professors

Title: Department Chair/Professor

Name: Clint W. Williford

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 0

H-index: 0

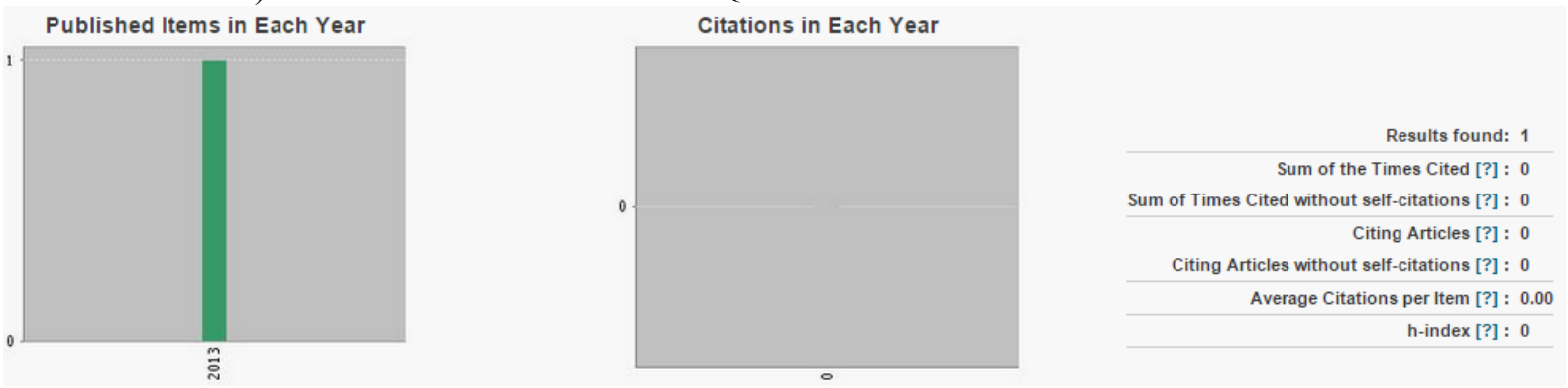
List of Publications:

1) Tilak, A. S., S. Ojewole, Clint W. Williford, Garey A. Fox, Terrance M. Sobecki, and Steven L. Larson. "Formation of Manganese Oxide Coatings onto Sand for Adsorption of Trace Metals from Groundwater." *Journal of Environmental Quality* 42, no. 6 (2013): 1743-1751.

Times Cited: 0

List of Journals:

25) JOURNAL OF ENVIRONMENTAL QUALITY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	1	0	1	0.20
Citations	0	0	0	0	0	0	0.00

Title: Director of Center for Mathematics and Science Education/Professor

Name: John O'Haver

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 23

H-index: 3

List of Publications:

1) Rujirawanich, Visarut, Sumaeth Chavadej, John H. O'Haver, and Ratana Rujiravanit. "Removal of trace Cd2+ using continuous multistage ion foam fractionation. Part III—Effect of salt addition." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 385, no. 1 (2011): 171-180.

Times Cited: 4

2) Vaka, Siva Ram Kiran, Satyanarayana Narasimha Murthy, John H. O'Haver, and Michael A. Repka. "A platform for predicting and enhancing model drug delivery across the human nail plate." *Drug development and industrial pharmacy* 37, no. 1 (2011): 72-79.

Times Cited: 5

3) Rujirawanich, Visarut, Sumaeth Chavadej, John H. O'Haver, and Ratana Rujiravanit. "Removal of trace Cd2+ using continuous multistage ion foam fractionation: part II—the effects of operational parameters." *Separation Science and Technology* 46, no. 10 (2011): 1673-1683.

Times Cited: 2

4) Rujirawanich, Visarut, Sumaeth Chavadej, John H. O'Haver, and Ratana Rujiravanit. "Removal of trace Cd2+ using continuous multistage ion foam fractionation: Part I—The effect of feed SDS/Cd molar ratio." *Journal of hazardous materials* 182, no. 1 (2010): 812-819.

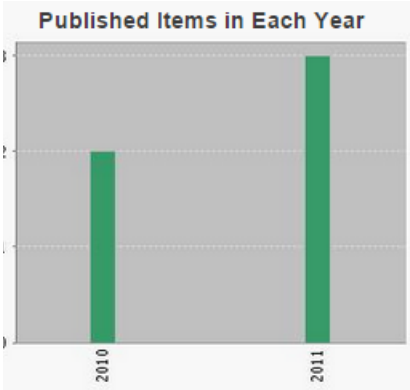
Times Cited: 11

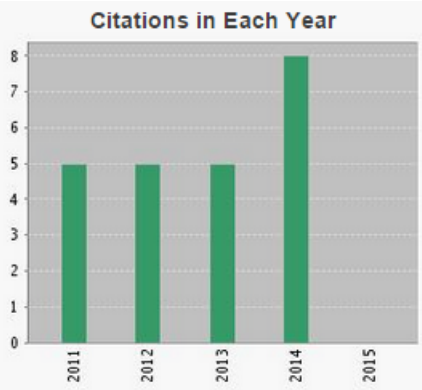
5) Asnachinda, Emma, John H. O'Haver, David A. Sabatini, and Sutha Khaodhiar. "Atomic force microscopy and contact angle studies of polymerizable gemini surfactant admicelles on mica." *Journal of applied polymer science* 115, no. 2 (2010): 1145-1152.

Times Cited: 1

List of Journals:

1) COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS
2) DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY
3) SEPARATION SCIENCE AND TECHNOLOGY
4) JOURNAL OF HAZARDOUS MATERIALS
5) JOURNAL OF APPLIED POLYMER SCIENCE





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Sum of Times Cited without self-citations [?] : 20
Citing Articles [?] : 21
Citing Articles without self-citations [?] : 19
Average Citations per Item [?] : 4.60
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	3	0	0	0	5	1.00
Citations	0	5	5	5	8	23	4.60

Title: Professor

Name: Wei-Yin Chen

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 35

H-index: 3

List of Publications:

1) Chen, Wei-Yin, Daniell L. Mattern, Eneruvie Okinedo, James Corbett Senter, Alec A. Mattei, and Connor W. Redwine. "Photochemical and acoustic interactions of biochar with CO2 and H2O: Applications in power generation and CO2 capture." *AIChE Journal* 60, no. 3 (2014): 1054-1065.

Times Cited: 1

2) Wang, Zhihua, Xiang Zhang, Zhijun Zhou, Wei-Yin Chen, Junhu Zhou, and Kefa Cen. "Effect of additive agents on the simultaneous absorption of NO2 and SO2 in the Calcium Sulfite slurry." *Energy & Fuels* 26, no. 9 (2012): 5583-5589.

Times Cited: 4

3) Chen, Wei-Yin, and Benson B. Gathitu. "Kinetics of post-combustion nitric oxide reduction by waste biomass fly ash." *Fuel Processing Technology* 92, no. 9 (2011): 1701-1710.

Times Cited: 2

4) Su, Yaxin, Benson B. Gathitu, and Wei-Yin Chen. "Efficient and cost effective reburning using common wastes as fuel and additives." *Fuel* 89, no. 9 (2010): 2569-2582.

Times Cited: 9

5) Tsung, Pei-Kuei, Li-Fu Ding, Wei-Yin Chen, Tzu-Der Chuang, Yu-Han Chen, Pai-Heng Hsiao, Shao-Yi Chien, and Liang-Gee Chen. "Video encoder design for high-definition 3D video communication systems."*Communications Magazine, IEEE* 48, no. 4 (2010): 76-86.

Times Cited: 3

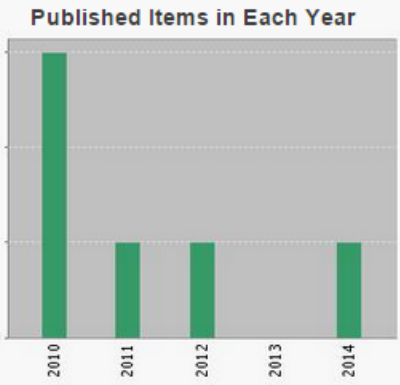
6) Ding, Li-Fu, Wei-Yin Chen, Pei-Kuei Tsung, Tzu-Der Chuang, Pai-Heng Hsiao, Yu-Han Chen et al. “A 212 MPixels/s 4096 x 2160p Multiview Video Encoder Chip for 3D/Quad Full HDTV Applications.” *IEEE Journal of Solid-State Circuits* 45, no.1 (2010): 46-58.

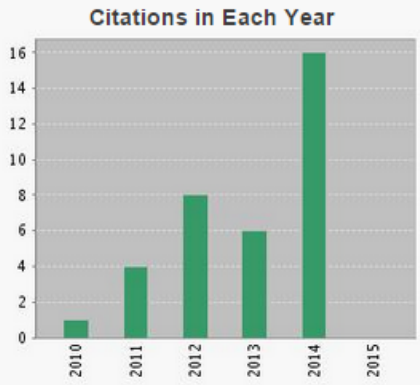
Times Cited: 16

List of Journals:

1) AICHE JOURNAL
2) ENERGY & FUELS
3) FUEL PROCESSING TECHNOLOGY
4) FUEL
5) IEEE COMMUNICATIONS MAGAZINE

6) IEEE JOURNAL OF SOLID-STATE CIRCUITS





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Sum of Times Cited without self-citations [?] : 35
Citing Articles [?] : 35
Citing Articles without self-citations [?] : 35
Average Citations per Item [?] : 5.83
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	1	1	0	1	6	1.20
Citations	1	4	8	6	16	35	7.00

Title: Professor

Name: Peter C. Sukanek

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

Title: Professor

Name: Ajit Sadana

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

Title: Associate Professor

Name: Paul Scovazzo

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 12

H-index: 1

List of Publications:

1) Scovazzo, Paul, Carla AM Portugal, Andreia A. Rosatella, Carlos AM Afonso, and João G. Crespo. "Hydraulic pressures generated in Magnetic Ionic Liquids by paramagnetic fluid/air interfaces inside of uniform tangential magnetic fields." *Journal of Colloid and Interface Science* 428 (2014): 16-23.

Times Cited: 0

2) Scovazzo, Paul, and Anthony J. Scovazzo. "Isothermal dehumidification or gas drying using vacuum sweep dehumidification." *Applied Thermal Engineering* 50, no. 1 (20130; 225-233.

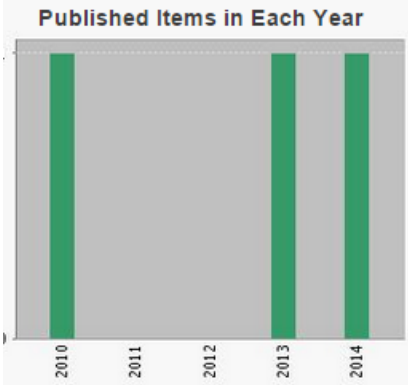
Times Cited: 1

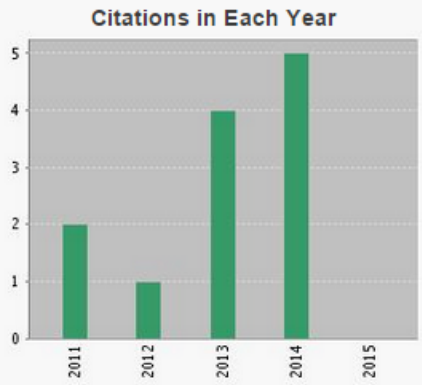
3) Scovazzo, Paul. "Testing and evaluation of room temperature ionic liquid (RTIL) membranes for gas dehumidification." *Journal of Membrane Science*355, no. 1 (2010): 7-17.

Times Cited: 11

List of Journals:

1) JOURNAL OF COLLOID AND INTERFACE SCIENCE
2) APPLIED THERMAL ENGINEERING
3) JOURNAL OF MEMBRANE SCIENCE





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Sum of the Times Cited [?] :	12
Sum of Times Cited without self-citations [?] :	11
Citing Articles [?] :	12
Citing Articles without self-citations [?] :	11
Average Citations per Item [?] :	4.00
h-index [?] :	1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	1	1	3	0.60
Citations	0	2	1	4	5	12	2.40

Title: Assistant Professor

Name: Adam E. Smith

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 17

Number of times cited: 398

H-index: 10

List of Publications:

1) Hemp, Sean T., Adam E. Smith, W. Clayton Bunyard, Michael H. Rubinstein, and Timothy E. Long. "RAFT polymerization of temperature-and salt-responsive block copolymers as reversible hydrogels." *Polymer* 55, no. 10 (2014): 2325-2331.
Times Cited: 0

2) Wu, Yaoying, Miao Wang, Dustin Sprouse, Adam E. Smith, and Theresa M. Reineke. "Glucose-Containing Diblock Polycations Exhibit Molecular Weight, Charge, and Cell-Type Dependence for pDNA Delivery." *Biomacromolecules*15, no. 5 (2014): 1716-1726.
Times Cited: 1

3) Gordeyev, Stanislav, Adam E. Smith, Jacob A. Cress, and Eric J. Jumper. "Experimental studies of aero-optical properties of subsonic turbulent boundary layers." *Journal of Fluid Mechanics* 740 (2014): 214-253.
Times Cited: 0

4) Hemp, Sean T., Michael H. Allen Jr, Adam E. Smith, and Timothy E. Long. "Synthesis and Properties of Sulfonium Polyelectrolytes for Biological Applications." *ACS Macro Letters* 2, no. 8 (2013): 731-735.
Times Cited: 0

5) Smith, Adam E., Stanislav Gordeyev, and Eric J. Jumper. "Recent measurements of aero-optical effects caused by subsonic boundary layers."*Optical Engineering* 52, no. 7 (2013): 071404-071404.
Times Cited: 2

6) Allen, Michael H., Sean T. Hemp, Musan Zhang, Mingqiang Zhang, Adam E. Smith, Robert B. Moore, and Timothy E. Long. "Synthesis and characterization of 4-vinylimidazole ABA triblock copolymers utilizing a difunctional RAFT chain transfer agent." *Polymer Chemistry* 4, no. 7 (2013): 2333-2341.
Times Cited: 4

7) Hemp, Sean T., Adam E. Smith, Joshua M. Bryson, Michael H. Allen Jr, and Timothy E. Long. "Phosphonium-Containing Diblock Copolymers for Enhanced Colloidal Stability and Efficient Nucleic Acid Delivery."*Biomacromolecules* 13, no. 8 (2012): 2439-2445.
Times Cited: 17

8) Allen Jr, Michael H., Sean T. Hemp, Adam E. Smith, and Timothy E. Long. "Controlled Radical Polymerization of 4-Vinylimidazole." *Macromolecules*45, no. 9 (2012): 3669-3676.

Times Cited: 14

9) Grandinetti, Giovanna, Adam E. Smith, and Theresa M. Reineke. "Membrane and nuclear permeabilization by polymeric pDNA vehicles: efficient method for gene delivery or mechanism of cytotoxicity?." *Molecular pharmaceutics* 9, no. 3 (2012): 523-538.

Times Cited: 17

10) Smith, Adam E., Antons Sizovs, Giovanna Grandinetti, Lian Xue, and Theresa M. Reineke. "Diblock glycopolymers promote colloidal stability of polyplexes and effective pDNA and siRNA delivery under physiological salt and serum conditions." *Biomacromolecules* 12, no. 8 (2011): 3015-3022.

Times Cited: 24

11) Hickson, DeMarc A., Ana V. Diez Roux, Adam E. Smith, Katherine L. Tucker, Larry D. Gore, Lei Zhang, and Sharon B. Wyatt. "Associations of fast food restaurant availability with dietary intake and weight among African Americans in the Jackson Heart Study, 2000–2004." *Journal Information*101, no. S1 (2011).

Times Cited: 11

12) Smith, Adam R., Lindsay. D'ANNUNZIO, Abbi E. Smith, Anit Sharma, Christopher M. Hofmann, N. J. Marshall, and Karen L. Carleton. "Intraspecific cone opsin expression variation in the cichlids of Lake Malawi." *Molecular ecology* 20, no. 2 (2011): 299-310.

Times Cited: 8

13) Kellum, Matthew G., Adam E. Smith, Stacey Kirkland York, and Charles L. MYearormick. "Reversible Interpolyelectrolyte Shell Cross-Linked Micelles from pH/Salt-Responsive Diblock Copolymers Synthesized via RAFT in Aqueous Solution†." *Macromolecules* 43, no. 17 (2010): 7033-7040.

Times Cited: 25

14) Smith, Adam E., Xuewei Xu, Daniel A. Savin, and Charles L. MYearormick. "Reversible gold "locked" synthetic vesicles derived from stimuli-responsive diblock copolymers." *Polymer Chemistry* 1, no. 5 (2010): 628-630.

Times Cited: 14

15) Kirkland-York, Stacey, Yilin Zhang, Adam E. Smith, Adam W. York, Faqing Huang, and Charles L. MYearormick. "Tailored Design of Au Nanoparticle-siRNA Carriers Utilizing Reversible Addition− Fragmentation Chain Transfer Polymers‖." *Biomacromolecules* 11, no. 4 (2010): 1052-1059.

Times Cited: 27

16) Smith, Adam E., Xuewei Xu, Stacey E. Kirkland-York, Daniel A. Savin, and Charles L. MYearormick. ""Schizophrenic" Self-Assembly of Block Copolymers Synthesized via Aqueous RAFT Polymerization: From Micelles to Vesicles†† Paper number 143 in a series on Water-Soluble Polymers." *Macromolecules*43, no. 3 (2010): 1210-1217.

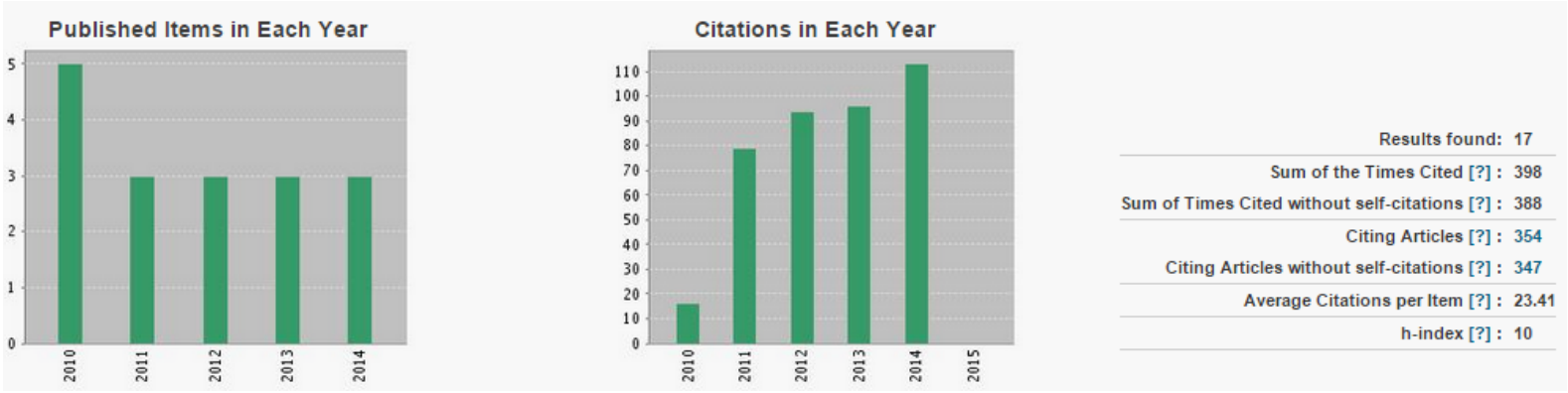
Times Cited: 76

17) Smith, Adam E., Xuewei Xu, and Charles L. MYearormick. "Stimuli-responsive amphiphilic (co) polymers via RAFT polymerization." *Progress in polymer science* 35, no. 1 (2010): 45-93.

Times Cited: 158

List of Journals:

1) POLYMER
2) BIOMACROMOLECULES
3) JOURNAL OF FLUID MECHANICS
4) ACS MACRO LETTERS
5) OPTICAL ENGINEERING
6) POLYMER CHEMISTRY
7) MACROMOLECULES
8) MOLECULAR PHARMACEUTICS
9) AMERICAN JOURNAL OF PUBLIC HEALTH
10) MOLECULAR ECOLOGY
11) POLYMER CHEMISTRY
12) PROGRESS IN POLYMER SCIENCE



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	5	3	3	3	3	17	3.20
Citations	16	79	94	96	113	398	66.33

Title: Assistant Professor

Name: Sasan Nouranian

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 17

Number of times cited: 398

H-index: 10

List of Publications:

1) Lee, Juhyeong, Sasan Nouranian, Glenn W. Torres, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Janice L. DuBien. "Characterization, prediction, and optimization of flexural properties of vapor-grown carbon nanofiber/vinyl ester nanocomposites by response surface modeling." *Journal of Applied Polymer Science* 130, no. 3 (2013): 2087-2099.

Times Cited: 1

2) Nouranian, Sasan, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Janice L DuBien. "Response surface predictions of the viscoelastic properties of vapor-grown carbon nanofiber/vinyl ester nanocomposites."*Journal of Applied Polymer Science* 130, no. 1 (2013): 234-247.

Times Cited: 3

3) Torres, Glenn W., Sasan Nouranian, Thomas E. Lacy, Hossein Toghiani, Charles U. Pittman, and Janice L. DuBien. "Statistical characterization of the impact strengths of vapor-grown carbon nanofiber/vinyl ester nanocomposites using a central composite design." *Journal of Applied Polymer Science* 128, no. 2 (2013): 1070-1080.

Times Cited: 4

4) Jang, Changwoon, Sasan Nouranian, Thomas E. Lacy, Steven R. Gwaltney, Hossein Toghiani, and Charles U. Pittman Jr. "Molecular dynamics simulations of oxidized vapor-grown carbon nanofiber surface interactions with vinyl ester resin monomers." *Carbon* 50, no. 3 (2012): 748-760.

Times Cited: 8

5) Nouranian, Sasan, Hossein Toghiani, Thomas E. Lacy, Charles U. Pittman, and Janice Dubien. "Dynamic mechanical analysis and optimization of vapor-grown carbon nanofiber/vinyl ester nanocomposites using design of experiments." *Journal of Composite Materials* (2010): 0021998310385027.

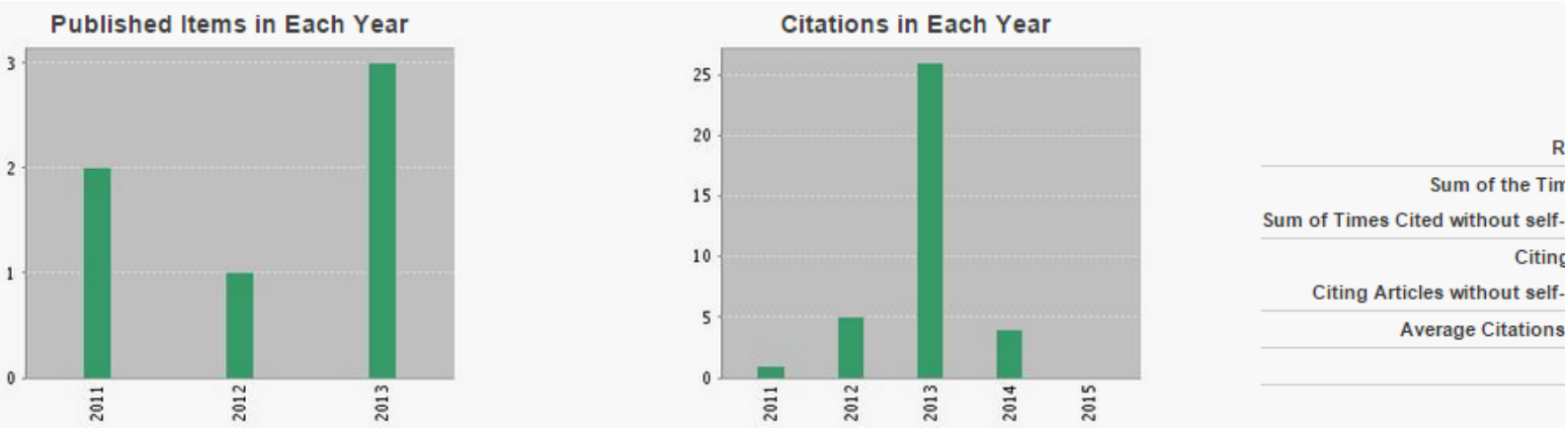
Times Cited: 11

6) Nouranian, Sasan, Changwoon Jang, Thomas E. Lacy, Steven R. Gwaltney, Hossein Toghiani, and Charles U. Pittman Jr. "Molecular dynamics simulations of vinyl ester resin monomer interactions with a pristine vapor-grown carbon nanofiber and their implications for composite interphase formation." *Carbon* 49, no. 10 (2011): 3219-3232.

Times Cited: 9

List of Journals:

1) JOURNAL OF APPLIED POLYMER SCIENCE
2) CARBON
3) JOURNAL OF COMPOSITE MATERIALS



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	2	1	3	0	6	1.20
Citations	0	1	5	26	4	36	7.60

University of New Hampshire Tenure & Tenured Track Professors

Title: Professor/Chair

Name: Russell Carr

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 15

H-index: 3

List of Publications:

1) Geddes, John B., Russell T. Carr, Fan Wu, Yingyi Lao, and Meaghan Maher. "Blood flow in microvascular networks: A study in nonlinear biology." *Chaos: An Interdisciplinary Journal of Nonlinear Science* 20, no. 4 (2010): 045123.

Times Cited: 7

2) Gardner, David, Yiyang Li, Benjamin Small, John B. Geddes, and Russell T. Carr. "Multiple equilibrium states in a micro-vascular network." *Mathematical biosciences* 227, no. 2 (2010): 117-124.

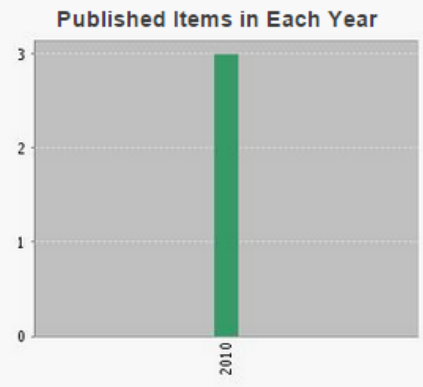
Times Cited: 3

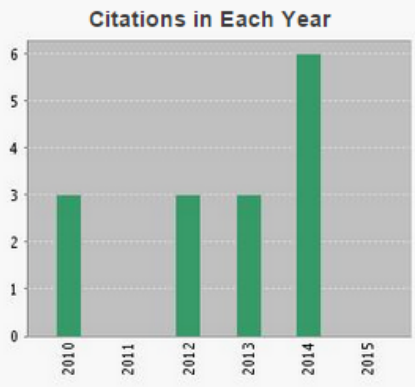
3) Geddes, John B., Brian D. Storey, David Gardner, and Russell T. Carr. "Bistability in a simple fluid network due to viscosity contrast." *Physical Review E* 81, no. 4 (2010): 046316.

Times Cited: 5

List of Journals:

1) CHAOS
2) MATHEMATICAL BIOSCIENCES
3) PHYSICAL REVIEW E





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Citing Articles without self-citations [?] :	9
Average Citations per Item [?] :	5.00
h-index [?] :	3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	0	0	1	0.20
Citations	3	0	3	3	6	15	3.00

Title: Professor

Name: Palligarnai T. Vasudevan

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 8

Number of times cited:

H-index:

List of Publications:

1) Gagnon, Michael D., and Palligarnai T. Vasudevan. "Effects of solvent and enzyme source on transesterification activity." *Energy & Fuels* 25, no. 10 (2011): 4669-4674.

Times Cited: 5

2) Fu, Boyi, and Palligarnai T. Vasudevan. "Effect of Solvent− Co-solvent Mixtures on Lipase-Catalyzed Transesterification of Canola Oil†." *Energy & Fuels* 24, no. 9 (2010): 4646-4651.

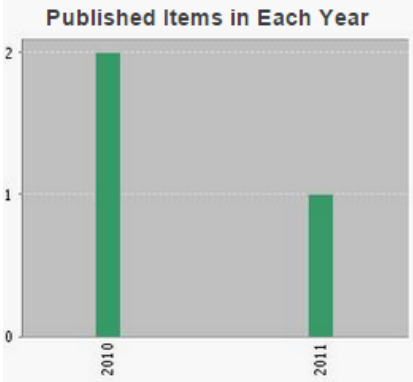
Times Cited: 11

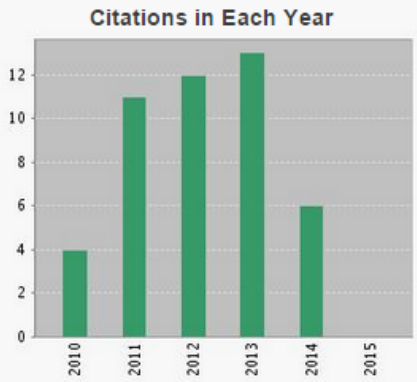
3) Jones, Paetrice O., and Palligarnai T. Vasudevan. "Cellulose hydrolysis by immobilized Trichoderma reesei cellulase." *Biotechnology letters* 32, no. 1 (2010): 103-106.

Times Cited: 30

List of Journals:

1) ENERGY & FUELS
2) BIOTECHNOLOGY LETTERS





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Citing Articles [?] :	45
Citing Articles without self-citations [?] :	45
Average Citations per Item [?] :	15.33
h-index [?] :	3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	1	0	0	0	3	0.60
Citations	3	11	12	13	5	46	9.20

Title: Professor

Name: Dale Barkley

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 10

H-index: 1

List of Publications:

1) Kreider, Ashleigh, Dale P. Barkey, and Edward H. Wong. "On the Displacement of Adsorbed Polyethylene Glycol by 3-Mercapto-1-Propanesulfonate during Copper Electrodeposition." *Journal of The Electrochemical Society* 161, no. 12 (2014): D663-D665.

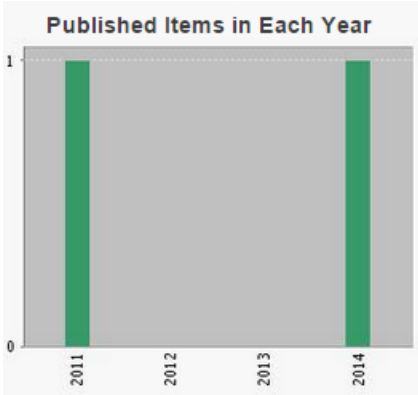
Times Cited: 1

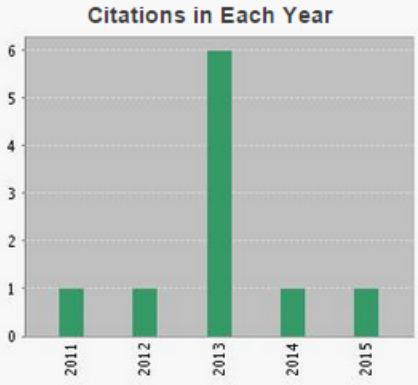
2) Garcia-Cardona, Elizabeth, Edward H. Wong, and Dale P. Barkey. "NMR spectral studies of interactions between the aYearelerants SPS and MPS and copper chlorides." *Journal of The Electrochemical Society* 158, no. 3 (2011): D143-D148.

Times Cited: 9

List of Journals:

1) JOURNAL OF THE ELECTROCHEMICAL SOCIETY





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Sum of the Times Cited [?] : 10
Sum of Times Cited without self-citations [?] : 9
Citing Articles [?] : 10
Citing Articles without self-citations [?] : 9
Average Citations per Item [?] : 5.00
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	0	0	1	2	0.40
Citations	1	1	1	6	1	10	2.00

Title: Associate Professor

Name: Xiaowie Teng

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 12

Number of times cited: 144

H-index: 6

List of Publications:

1) Du, Wenxin, Guangxing Yang, Emily Wong, N. Aaron Deskins, Anatoly I. Frenkel, Dong Su, and Xiaowei Teng. "Platinum-Tin Oxide Core–Shell Catalysts for Efficient Electro-Oxidation of Ethanol." *Journal of the American Chemical Society* 136, no. 31 (2014): 10862-10865.
Times Cited: 0

2) Courtois, Julien, Wenxin Du, Emily Wong, Xiaowei Teng, and N. Aaron Deskins. "Screening iridium-based bimetallic alloys as catalysts for direct ethanol fuel cells." *Applied Catalysis A: General* 483 (2014): 85-96.
Times Cited: 0

3) Yeager, Matthew P., Wenxin Du, Brendan Bishop, Matthew Sullivan, Wenqian Xu, Dong Su, Sanjaya D. Senanayake, Jonathan Hanson, and Xiaowei Teng. "Storage of Potassium Ions in Layered Vanadium Pentoxide Nanofiber Electrodes for Aqueous Pseudocapacitors." *ChemSusChem* 6, no. 12 (2013): 2231-2235.
Times Cited: 1

4) Yeager, Matthew P., Wenxin Du, Qi Wang, N. Aaron Deskins, Matthew Sullivan, Brendan Bishop, Dong Su et al. "Pseudocapacitive Hausmannite Nanoparticles with (101) Facets: Synthesis, Characterization, and Charge-Transfer Mechanism." *ChemSusChem* 6, no. 10 (2013): 1983-1992.
Times Cited: 4

5) Yeager, Matthew, Wenxin Du, Rui Si, Dong Su, Nebojsa Marinković, and Xiaowei Teng. "Highly efficient K0. 15MnO2 birnessite nanosheets for stable pseudocapacitive cathodes." *The Journal of Physical Chemistry C* 116, no. 38 (2012): 20173-20181.
Times Cited: 13

6) Du, Wenxin, Nathaniel A. Deskins, Dong Su, and Xiaowei Teng. "Iridium–Ruthenium Alloyed Nanoparticles for the Ethanol Oxidation Fuel Cell Reactions." *ACS Catalysis* 2, no. 6 (2012): 1226-1231.
Times Cited: 4

7) Du, Wenxin, Kayla E. Mackenzie, Daniel F. Milano, N. Aaron Deskins, Dong Su, and Xiaowei Teng. "Palladium–tin alloyed catalysts for the ethanol oxidation reaction in an alkaline medium." *ACS Catalysis* 2, no. 2 (2012): 287-297.
Times Cited: 35

8) Yeager, Matthew P., Dong Su, Nebojsa S. Marinković, and Xiaowei Teng. "Pseudocapacitive NiO fine nanoparticles for supercapacitor reactions."*Journal of The Electrochemical Society* 159, no. 10 (2012): A1598-A1603.

Times Cited: 10

9) Du, Wenxin, Qi Wang, David Saxner, N. Aaron Deskins, Dong Su, James E. Krzanowski, Anatoly I. Frenkel, and Xiaowei Teng. "Highly active Iridium/Iridium–Tin/Tin oxide heterogeneous nanoparticles as alternative electrocatalysts for the ethanol oxidation reaction." *Journal of the American Chemical Society* 133, no. 38 (2011): 15172-15183.

Times Cited: 38

10) Feygenson, Mikhail, X. Teng, S. E. Inderhees, Y. Yiu, W. Du, W. Han, J. Wen et al. "Low-energy magnetic excitations in Co/CoO core/shell nanoparticles."*Physical Review B* 83, no. 17 (2011): 174414.

Times Cited: 5

11) Du, Wenxin, Dong Su, Qi Wang, Anatoly I. Frenkel, and Xiaowei Teng. "Promotional Effects of Bismuth on the Formation of Platinum− Bismuth Nanowires Network and the Electrocatalytic Activity toward Ethanol Oxidation." *Crystal Growth & Design* 11, no. 2 (2011): 594-599.

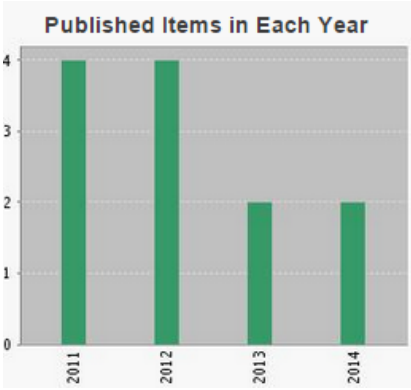
Times Cited: 12

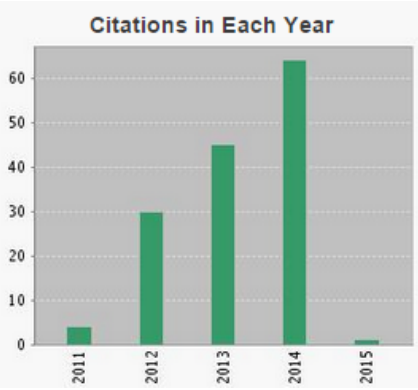
12) Du, Wenxin, Qi Wang, Carlo A. LaScala, Lihua Zhang, Dong Su, Anatoly I. Frenkel, Virendra K. Mathur, and Xiaowei Teng. "Ternary PtSnRh–SnO 2 nanoclusters: synthesis and electroactivity for ethanol oxidation fuel cell reaction." *Journal of Materials Chemistry* 21, no. 24 (2011): 8887-8892.

Times Cited: 23

List of Journals:

1) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
2) APPLIED CATALYSIS A-GENERAL
3) CHEMSUSCHEM
4) JOURNAL OF PHYSICAL CHEMISTRY C
5) ACS CATALYSIS
6) JOURNAL OF THE ELECTROCHEMICAL SOCIETY
7) PHYSICAL REVIEW B
8) CRYSTAL GROWTH & DESIGN
9) JOURNAL OF MATERIALS CHEMISTRY





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Sum of the Times Cited [?] : 144
Sum of Times Cited without self-citations [?] : 122
Citing Articles [?] : 124
Citing Articles without self-citations [?] : 115
Average Citations per Item [?] : 12.00
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	4	4	2	2	12	2.40
Citations	1	4	30	45	64	144	28.80

Title: Associate Professor

Name: Nivedita R. Gupta

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 2

H-index: 1

List of Publications:

1) Gupta, N. R., H. Haj-Hariri, and A. Borhan. "Effect of free surface heat transfer on thermocapillary flow in double-layer fluid structures." *Heat and Mass Transfer* 50, no. 3 (2014): 333-339.

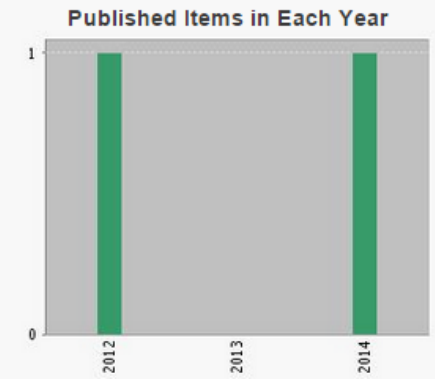
Times Cited: 0

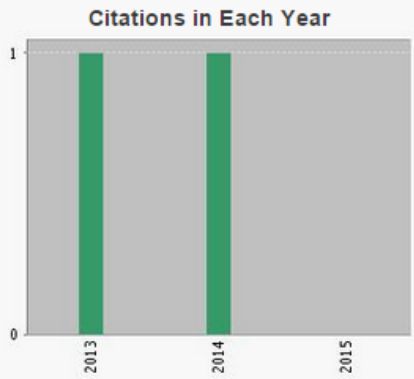
2) Cui, Yuanyuan, and Nivedita R. Gupta. "Surfactant effects on drop formation in co-flowing fluid streams." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 393 (2012): 111-121.

Times Cited: 2

List of Journals:

1) HEAT AND MASS TRANSFER
2) COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS





Results found: 2
Sum of the Times Cited [?] : 2
Sum of Times Cited without self-citations [?] : 2
Citing Articles [?] : 2
Citing Articles without self-citations [?] : 2
Average Citations per Item [?] : 1.00
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	0	1	2	0.40
Citations	0	0	0	1	1	2	0.40

Title: Assistant Professor

Name: Jeffrey Halpern

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 4

Number of times cited: 10

H-index: 2

List of Publications:

1) Halpern, Jeffrey M., Richard Urbanski, Allison K. Weinstock, David F. Iwig, Robert T. Mathers, and Horst A. Recum. "A biodegradable thermoset polymer made by esterification of citric acid and glycerol." *Journal of Biomedical Materials Research Part A* 102, no. 5 (2014): 1467-1477.

Times Cited: 2

2) Halpern, Jeffrey M., and Heidi B. Martin. "Rhenium alloys as ductile substrates for diamond thin-film electrodes." *Diamond and Related Materials*42 (2014): 33-40.

Times Cited: 0

3) Halpern, Jeffrey M., Catherine A. Gormley, Melissa A. Keech, and Horst A. von Recum. "Thermomechanical properties, antibiotic release, and bioactivity of a sterilized cyclodextrin drug delivery system." *Journal of Materials Chemistry B* 2, no. 18 (2014): 2764-2772.

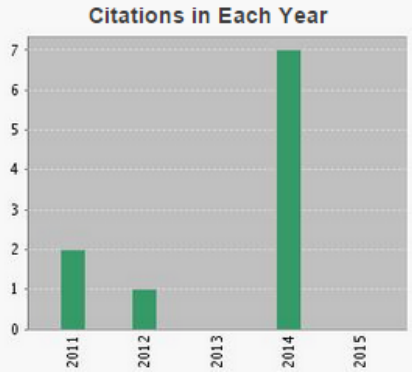
Times Cited: 2

4) Halpern, Jeffrey M., Miranda J. Cullins, Hillel J. Chiel, and Heidi B. Martin. "Chronic in vivo nerve electrical recordings of Aplysia californica using a boron-doped polycrystalline diamond electrode." *Diamond and Related Materials* 19, no. 2-3 (20100; 178-181.

Times Cited: 6

List of Journals:

1) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A
2) DIAMOND AND RELATED MATERIALS
3) JOURNAL OF MATERIALS CHEMISTRY B
4) DIAMOND AND RELATED MATERIALS



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Sum of the Times Cited [?] :	10
Sum of Times Cited without self-citations [?] :	9
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Citing Articles without self-citations [?] :	9
Average Citations per Item [?] :	2.50
h-index [?] :	2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	0	3	4	0.80
Citations	0	2	1	0	7	10	2.00

Title: Assistant Professor

Name: Kyung Jae Jeong

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 4

Number of times cited: 32

H-index: 4

List of Publications:

1) Lee, Jung-Jae, Kyung Jae Jeong, Michinao Hashimoto, Albert H. Kwon, Alina Rwei, Sahadev A. Shankarappa, Jonathan H. Tsui, and Daniel S. Kohane. "Synthetic ligand-coated magnetic nanoparticles for microfluidic bacterial separation from blood." *Nano letters* 14, no. 1 (2013): 1-5.

Times Cited: 6

2) Cohen-Karni, Tzahi, Kyung Jae Jeong, Jonathan H. Tsui, Gally Reznor, Mirela Mustata, Meni Wanunu, Adam Graham et al. "Nanocomposite gold-silk nanofibers." *Nano letters* 12, no. 10 (2012): 5403-5406.

Times Cited: 13

3) Wang, Liqiang, Kyung Jae Jeong, Homer H. Chiang, David Zurakowski, Irmgard Behlau, James Chodosh, Claes H. Dohlman, Robert Langer, and Daniel S. Kohane. "Hydroxyapatite for keratoprosthesis biointegration."*Investigative ophthalmology & visual science* 52, no. 10 (2011): 7392-7399.

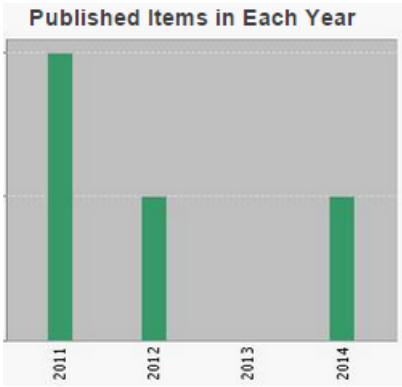
Times Cited: 4

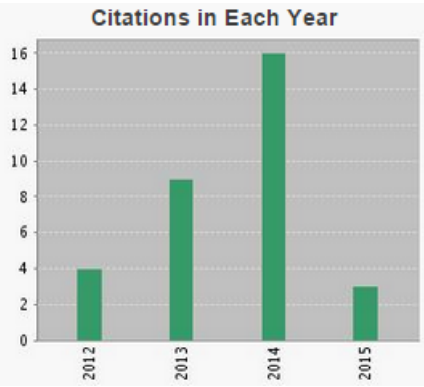
4) Jeong, Kyung Jae, Liqiang Wang, Cristina F. Stefanescu, Michael W. Lawlor, Julia Polat, Claes H. Dohlman, Robert S. Langer, and Daniel S. Kohane. "Polydopamine coatings enhance biointegration of a model polymeric implant." *Soft Matter* 7, no. 18 (2011): 8305-8312.

Times Cited: 9

List of Journals:

1) NANO LETTERS
2) INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE
3) SOFT MATTER





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Sum of the Times Cited [?] : 32
Sum of Times Cited without self-citations [?] : 32
Citing Articles [?] : 32
Citing Articles without self-citations [?] : 32
Average Citations per Item [?] : 8.00
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	2	1	0	1	4	0.80
Citations	3	0	4	9	16	32	6.40

Title: Assistant Professor

Name: Harish Vashisth

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 125

H-index: 6

List of Publications:

1) Vashisth, Harish, Georgios Skiniotis, and Charles Lee Brooks III. "Collective Variable Approaches for Single Molecule Flexible Fitting and Enhanced Sampling." *Chemical reviews* 114, no. 6 (2014): 3353-3365.

Times Cited: 0

2) Vashisth, Harish, Andrew J. Storaska, Richard R. Neubig, and Charles L. Brooks III. "Conformational dynamics of a regulator of g-protein signaling protein reveals a mechanism of allosteric inhibition by a small molecule."*ACS chemical biology* 8, no. 12 (2013): 2778-2784.

Times Cited: 3

3) Vashisth, Harish, and Cameron F. Abrams. "All-atom structural models of insulin binding to the insulin receptor in the presence of a tandem hormone-binding element." *Proteins: Structure, Function, and Bioinformatics* 81, no. 6 (2013): 1017-1030.

Times Cited: 6

4) Vashisth, Harish, Georgios Skiniotis, and Charles L. Brooks III. "Enhanced sampling and overfitting analyses in structural refinement of nucleic acids into electron microscopy maps." *The Journal of Physical Chemistry B* 117, no. 14 (2013): 3738-3746.

Times Cited: 6

5) Vashisth, Harish, Georgios Skiniotis, and Charles L. Brooks III. "Using enhanced sampling and structural restraints to refine atomic structures into low-resolution electron microscopy maps." *Structure* 20, no. 9 (2012): 1453-1462.

Times Cited: 12

6) Vashisth, Harish, Luca Maragliano, and Cameron F. Abrams. "“DFG-flip” in the insulin receptor kinase is facilitated by a helical intermediate state of the activation loop." *Biophysical journal* 102, no. 8 (2012): 1979-1987.

Times Cited: 18

7) Strunk, Bethany S., Cherisse R. Loucks, Min Su, Harish Vashisth, Shanshan Cheng, Justin Schilling, Charles L. Brooks, Katrin Karbstein, and Georgios Skiniotis. "Ribosome assembly factors prevent premature translation initiation by 40S assembly intermediates." *Science* 333, no. 6048 (2011): 1449-1453.

Times Cited: 61

8) Vashisth, Harish, and Cameron F. Abrams. "All-atom structural models for complexes of insulin-like growth factors IGF1 and IGF2 with their cognate receptor." *Journal of molecular biology* 400, no. 3 (2010): 645-658.

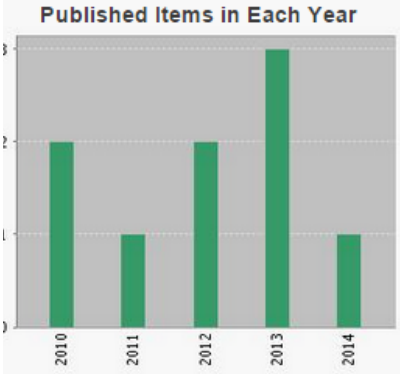
Times Cited: 12

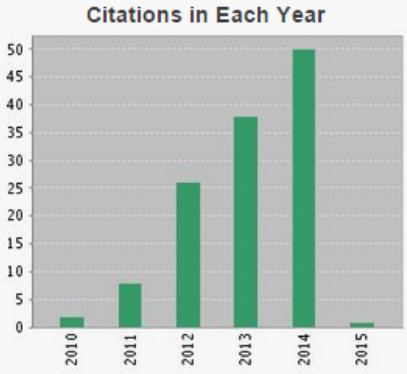
9) Vashisth, Harish, and Cameron F. Abrams. "Docking of insulin to a structurally equilibrated insulin receptor ectodomain." *Proteins: Structure, Function, and Bioinformatics* 78, no. 6 (2010): 1531-1543.

Times Cited: 7

List of Journals:

1) CHEMICAL REVIEWS
2) ACS CHEMICAL BIOLOGY
3) PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS
4) JOURNAL OF PHYSICAL CHEMISTRY B
5) STRUCTURE
6) BIOPHYSICAL JOURNAL
7) SCIENCE
8) JOURNAL OF MOLECULAR BIOLOGY
9) PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS





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Sum of Times Cited without self-citations [?] : 105
Citing Articles [?] : 100
Citing Articles without self-citations [?] : 94
Average Citations per Item [?] : 13.89
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	1	2	3	1	9	1.80
Citations	3	8	26	38	50	125	25.00

Title: Assistant Professor

Name: Kang Wu

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 12

H-index: 2

List of Publications:

1) Wu, Kang, and Christopher V. Rao. "Computational methods in synthetic biology: Towards computer-aided part design." *Current opinion in chemical biology* 16, no. 3 (2012): 318-322.

Times Cited: 1

2) Wu, Kang, Hanna E. Walukiewicz, George D. Glekas, George W. Ordal, and Christopher V. Rao. "Attractant binding induces distinct structural changes to the polar and lateral signaling clusters in Bacillus subtilis chemotaxis." *Journal of Biological Chemistry* 286, no. 4 (2011): 2587-2595.

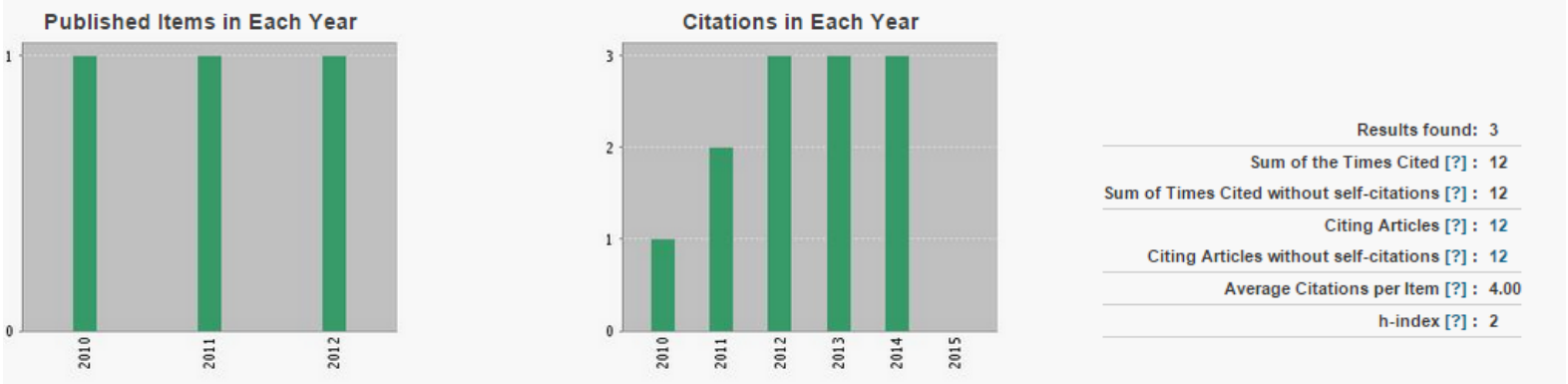
Times Cited: 8

3) Wu, Kang, and Christopher V. Rao. "The role of configuration and coupling in autoregulatory gene circuits." *Molecular microbiology* 75, no. 2 (2010): 513-527.

Times Cited: 3

List of Journals:

1) CURRENT OPINION IN CHEMICAL BIOLOGY
2) JOURNAL OF BIOLOGICAL CHEMISTRY
3) MOLECULAR MICROBIOLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year

Publications	1	1	1	0	0	3	0.60
Citations	1	2	3	3	3	12	2.40

University of North Dakota Tenure & Tenured Track Professors

Title: Professor/Chester Fritz Distinguished Chair

Name: Michael Mann

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 29

H-index: 2

List of Publications:

1) Fix, Gregory, Wayne Seames, Michael Mann, Steve Benson, and Dean Miller. "The effect of combustion temperature on coal ash fine-fragmentation mode formation mechanisms." *Fuel* 113 (2013): 140-147.

Times Cited: 2

2) Dhirde, Aparna M., Nilesh V. Dale, Hossein Salehfar, Michael D. Mann, and Tae-Hee Han. "Equivalent electric circuit modeling and performance analysis of a PEM fuel cell stack using impedance spectroscopy." *Energy Conversion, IEEE Transactions on* 25, no. 3 (2010): 778-786.

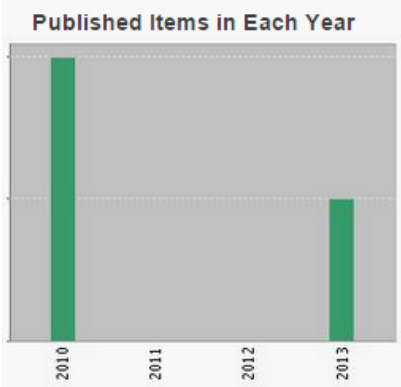
Times Cited: 21

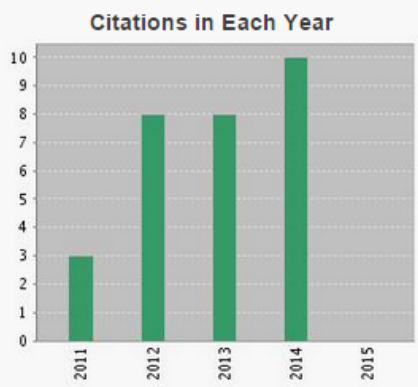
3) Peters, Rhonda R., Dharshana Muthumuni, Tim Bartel, Hossein Salehfar, and Michael Mann. "Static VAR compensation of a fixed speed stall control wind turbine during start-up." *Electric Power Systems Research* 80, no. 4 (2010): 400-405.

Times Cited: 6

List of Journals:

1) FUEL
2) IEEE TRANSACTIONS ON ENERGY CONVERSION
3) ELECTRIC POWER SYSTEMS RESEARCH





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Sum of the Times Cited [?] :	29
Sum of Times Cited without self-citations [?] :	29
Citing Articles [?] :	29
Citing Articles without self-citations [?] :	29
Average Citations per Item [?] :	9.67
h-index [?] :	2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	0	0	1	9	3	0.60
Citations	0	3	8	8	10	29	5.80

Title: Chester Fritz Distinguished Professor

Name: Wayne Seames

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 16

Number of times cited: 81

H-index: 5

List of Publications:

1) Linnen, Michael, Wayne Seames, Alena Kubatova, Suresh Menon, Kashinatham Alisala, and Sara Hash. "Evaluation of microbial triglyceride oil purification requirements for the CelTherm process: an efficient biochemical pathway to renewable fuels and chemicals." *Bioprocess and biosystems engineering* (2014): 1-9.

Times Cited: 0

2) James, David W., Gautham Krishnamoorthy, Steven A. Benson, and Wayne S. Seames. "Modeling trace element partitioning during coal combustion."*Fuel Processing Technology* 126 (2014): 284-297.

Times Cited: 0

3) Raeva, Anna A., Nagaraju Dongari, Anastasia A. Artemyeva, Evguenii I. Kozliak, David T. Pierce, and Wayne S. Seames. "Experimental simulation of trace element evolution from the excluded mineral fraction during coal combustion using GFAAS and TGA–DSC." *Fuel* 124 (2014): 28-40.

Times Cited: 2

4) Zhang, Xuefei, Wayne S. Seames, and Brian M. Tande. "Recovery of CO2 from Monoethanolamine using a Membrane Contactor." *Separation Science and Technology* 49, no. 1 (2014): 1-11.

Times Cited: 0

5) Fix, Gregory, Wayne Seames, Michael Mann, Steve Benson, and Dean Miller. "The effect of combustion temperature on coal ash fine-fragmentation mode formation mechanisms." *Fuel* 113 (2013): 140-147.

Times Cited: 2

6) Fegade, Swapnil L., Brian M. Tande, Hyunwook Cho, Wayne S. Seames, Inna Sakodynskaya, Darrin S. Muggli, and Evguenii I. Kozliak. "Aromatization of Propylene over HZSM-5: A Design of Experiments (DOE) Approach." *Chemical Engineering Communications* 200, no. 8 (2013): 1039-1056.

Times Cited: 1

7) Kozliak, Evguenii, Robert Mota, David Rodriguez, Paul Overby, Alena Kubátová, Danese Stahl, Vadoud Niri, Gregory Ogden, and Wayne Seames. "Non-catalytic cracking of jojoba oil to produce fuel and chemical by-products." *Industrial Crops and Products* 43 (2013): 386-392.

Times Cited: 2

8) Šťávová, Jana, Danese C. Stahl, Wayne S. Seames, and Alena Kubátová. "Method development for the characterization of biofuel intermediate products using gas chromatography with simultaneous mass spectrometric and flame ionization detections." *Journal of Chromatography A* 1224 (2012): 79-88.

Times Cited: 7

9) Gandhi, Swapnil, Julie Kadrmas, Jana Šťávová, Alena Kubátová, Darrin Muggli, Wayne S. Seames, S. M. Sadrameli, and Brian M. Tande. "Extraction of Fatty Acids from Noncatalytically Cracked Triacylglycerides with Water and Aqueous Sodium Hydroxide." *Separation Science and Technology* 47, no. 1 (2012): 66-72.

Times Cited: 2

10) Kubátová, Alena, Jana Šťávová, Wayne S. Seames, Yan Luo, S. Mojtaba Sadrameli, Michael J. Linnen, Ganna V. Baglayeva, Irina P. Smoliakova, and Evguenii I. Kozliak. "Triacylglyceride thermal cracking: pathways to cyclic hydrocarbons." *Energy & Fuels* 26, no. 1 (2011): 672-685.

Times Cited: 11

11) Raeva, Anna A., Oleg V. Klykov, Evguenii I. Kozliak, David T. Pierce, and Wayne S. Seames. "In Situ Evaluation of Inorganic Matrix Effects on the Partitioning of Three Trace Elements (As, Sb, Se) at the Outset of Coal Combustion." *Energy & Fuels* 25, no. 10 (2011): 4290-4298.

Times Cited: 3

12) Kubátová, Alena, Yan Luo, Jana Šťávová, S. M. Sadrameli, Ted Aulich, Evguenii Kozliak, and Wayne Seames. "New path in the thermal cracking of triacylglycerols (canola and soybean oil)." *Fuel* 90, no. 8 (2011): 2598-2608.

Times Cited: 21

13) Raeva, Anna A., David T. Pierce, Wayne S. Seames, and Evguenii I. Kozliak. "A method for measuring the kinetics of organically associated inorganic contaminant vaporization during coal combustion." *Fuel Processing Technology* 92, no. 7 (2011): 1333-1339.

Times Cited: 3

14) Jassim, Esam, Steven A. Benson, Frank M. Bowman, and Wayne S. Seames. "The influence of fragmentation on the behavior of pyrite particles during pulverized coal combustion." *Fuel Processing Technology* 92, no. 5 (2011): 970-976.

Times Cited: 3

15) Braegelmann, Mitchel P., Alexa D. Azure, Danese C. Stahl, Alena Kubátová, Wayne S. Seames, and Brian M. Tande. "Extraction of Fatty Acids from Noncatalytically Cracked Triacylglycerides Using Aqueous Amines."*Separation Science and Technology* 46, no. 14 (2011): 2167-2173.

Times Cited: 2

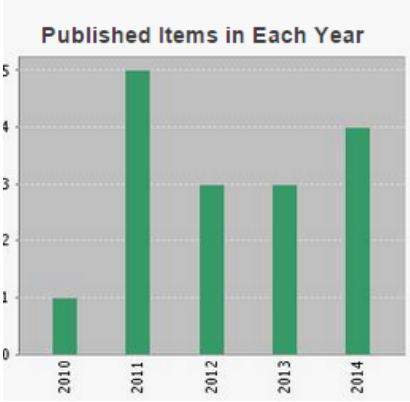
16) Seames, Wayne, Yan Luo, Irshad Ahmed, Ted Aulich, Alena Kubátová, Jana Šťávová, and Evguenii Kozliak. "The thermal cracking of canola and soybean methyl esters: Improvement of cold flow properties." *Biomass and Bioenergy* 34, no. 7 (2010): 939-946.

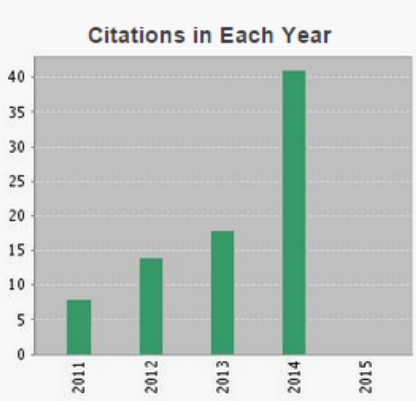
Times Cited: 19

List of Journals:

1) BIOPROCESS AND BIOSYSTEMS ENGINEERING
2) FUEL PROCESSING TECHNOLOGY
3) FUEL
4) SEPARATION SCIENCE AND TECHNOLOGY

5) CHEMICAL ENGINEERING COMMUNICATIONS
6) INDUSTRIAL CROPS AND PRODUCTS
7) JOURNAL OF CHROMATOGRAPHY A
8) ENERGY & FUELS
9) BIOMASS & BIOENERGY





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Sum of the Times Cited [?] : 81
Sum of Times Cited without self-citations [?] : 60
Citing Articles [?] : 60
Citing Articles without self-citations [?] : 50
Average Citations per Item [?] : 5.06
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	5	3	3	4	16	5.20
Citations	0	8	14	18	41	81	16.20

Title: Professor/Associate Chair for Education and Outreach

Name: Frank Benson

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

List of Publications:

Title: Professor

Name: Steve Benson

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 10

H-index: 2

List of Publications:

1) Fix, Gregory, Wayne Seames, Michael Mann, Steve Benson, and Dean Miller. "The effect of combustion temperature on coal ash fine-fragmentation mode formation mechanisms." *Fuel* 113 (2013): 140-147.

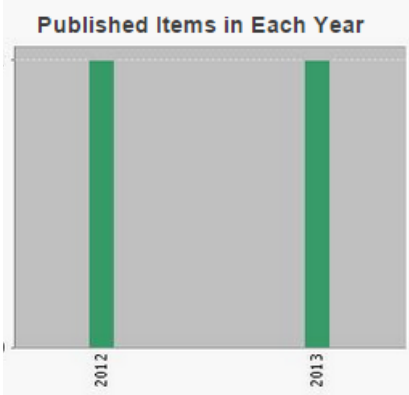
Times: 2

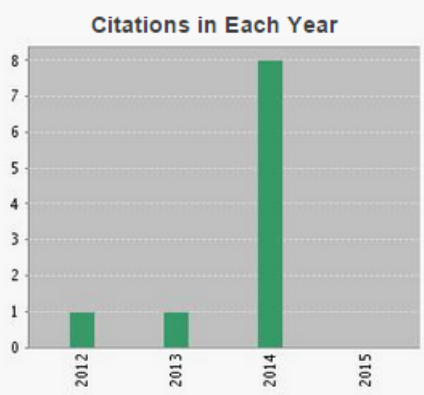
2) Sakamoto, Fernanda H., Apostolos G. Doukas, William A. Farinelli, Zeina Tannous, Michelle Shinn, Steve Benson, Gwyn P. Williams, Joseph F. Gubeli, H. Frederick Dylla, and R. Anderson. "Selective photothermolysis to target sebaceous glands: theoretical estimation of parameters and preliminary results using a free electron laser." *Lasers in surgery and medicine* 44, no. 2 (2012): 175-183.

Times Cited: 8

List of Journals:

1) FUEL
2) LASERS IN SURGERY AND MEDICINE





Results found: 2
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Sum of Times Cited without self-citations [?] : 10
Citing Articles [?] : 10
Citing Articles without self-citations [?] : 10
Average Citations per Item [?] : 5.00
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	1	0	2	0.40
Citations	0	0	1	1	8	10	2.00

Title: Associate Professor

Name: Brian M. Tande

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 11

H-index: 2

List of Publications:

1) Rutala, William A., Maria F. Gergen, Brian M. Tande, and David J. Weber. "Room Decontamination Using an Ultraviolet-C Device with Short Ultraviolet Exposure Time." *Infection Control and Hospital Epidemiology* 35, no. 8 (2014): 1070-1072.

Times Cited: 0

2) Dongari, Nagaraju, Edward R. Sauter, Brian M. Tande, and Alena Kubátová. "Determination of Celecoxib in human plasma using liquid chromatography with high resolution time of flight-mass spectrometry." *Journal of Chromatography B* 955 (2014): 86-92.

Times Cited: 0

3) Rutala, William A., David J. Weber, Maria F. Gergen, Brian M. Tande, and Emily E. Sickbert-Bennett. "Does Coating All Room Surfaces with an Ultraviolet C Light–Nanoreflective Coating Improve Decontamination Compared with Coating Only the Walls?." *Infection Control and Hospital Epidemiology* 35, no. 3 (2014): 323-325.

Times Cited: 0

4) Zhang, Xuefei, Wayne S. Seames, and Brian M. Tande. "Recovery of CO2 from Monoethanolamine using a Membrane Contactor." *Separation Science and Technology* 49, no. 1 (2014): 1-11.

Times Cited: 0

5) Fegade, Swapnil L., Brian M. Tande, Hyunwook Cho, Wayne S. Seames, Inna Sakodynskaya, Darrin S. Muggli, and Evguenii I. Kozliak. "Aromatization of Propylene over HZSM-5: A Design of Experiments (DOE) Approach." *Chemical Engineering Communications* 200, no. 8 (2013): 1039-1056.

Times Cited: 1

6) Rutala, William A., Maria F. Gergen, Brian M. Tande, and David J. Weber. "Rapid hospital room decontamination using ultraviolet (UV) light with a nanostructured UV-reflective wall coating." *infection control and hospital epidemiology* 34, no. 5 (2013): 527-529.

Times Cited: 6

7) Wang, Hai, Edward Kolodka, and Brian M. Tande. "Thermomechanical and Rheological Studies of Copolymers of Methyl Methacrylate with a Series of Linear Vinyl Esters." *Industrial & Engineering Chemistry Research* 52, no. 14 (2013): 5111-5119.

Times Cited: 0

8) Gandhi, Swapnil, Julie Kadrmas, Jana Šťávová, Alena Kubátová, Darrin Muggli, Wayne S. Seames, S. M. Sadrameli, and Brian M. Tande. "Extraction of Fatty Acids from Noncatalytically Cracked Triacylglycerides with Water and Aqueous Sodium Hydroxide." *Separation Science and Technology* 47, no. 1 (2012): 66-72.

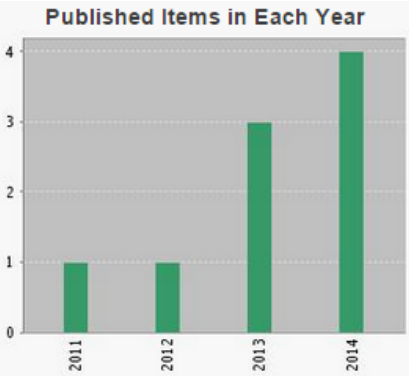
Times Cited: 2

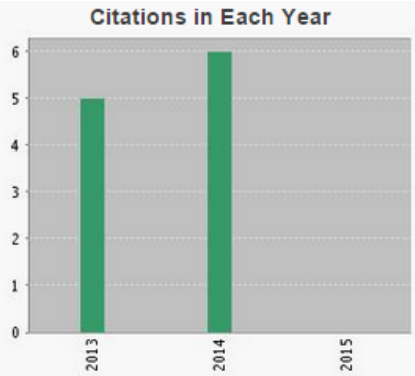
9) Braegelmann, Mitchel P., Alexa D. Azure, Danese C. Stahl, Alena Kubátová, Wayne S. Seames, and Brian M. Tande. "Extraction of Fatty Acids from Noncatalytically Cracked Triacylglycerides Using Aqueous Amines."*Separation Science and Technology* 46, no. 14 (2011): 2167-2173.

Times Cited: 2

List of Journals:

1) INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY
2) JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES
3) SEPARATION SCIENCE AND TECHNOLOGY
4) CHEMICAL ENGINEERING COMMUNICATIONS
5) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH





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Sum of the Times Cited [?] : 11
Sum of Times Cited without self-citations [?] : 8
Citing Articles [?] : 9
Citing Articles without self-citations [?] : 7
Average Citations per Item [?] : 1.22
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	1	3	4	9	1.80
Citations	0	0	0	5	6	11	2.20

Title: Associate Professor

Name: Edward Kolodka

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 11

H-index: 2

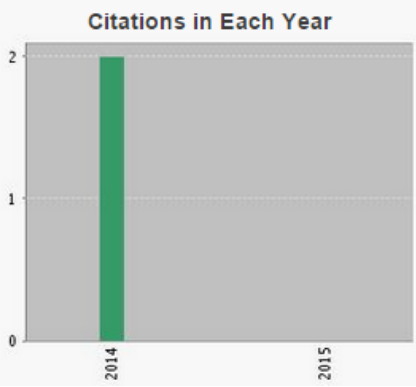
List of Publications:

1) Bian, Shi, Srinivas Abbina, Zhengliang Lu, Edward Kolodka, and Guodon Du. "Ring-Opening Polymerization of rac-Lactide with Aluminum Chiral Anilido-Oxazolinate Complexes." *Organomatellics* 33, no. 10 (2014): 2489-2495.
Times Cited: 2

2) Wang, Hai, Edward Kolodka, and Brian M. Tande. "Thermomechanical and Rheological Studies of Copolymers of Methyl Methacrylate with a Series of Linear Vinyl Esters." *Industrial & Engineering Chemistry Research* 52, no. 14 (2013): 5111-5119.
Times Cited: 0

List of Journals:

1) ORGANOMETALLICS
2) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH



Results found: 2
Sum of the Times Cited [?] : 2
Sum of Times Cited without self-citations [?] : 2
Citing Articles [?] : 2
Citing Articles without self-citations [?] : 2
Average Citations per Item [?] : 1.00
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	1	1	2	0.40
Citations	0	0	0	0	2	2	0.40

Title: Associate Professor

Name: Robert A. Wills

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

List of Publications:

Title: Assistant Professor

Name: Yun Ji

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 12

Number of times cited: 28

H-index: 3

List of Publications:

1) Brzonova, Ivana, Evguenii Kozliak, Alena Kubátová, Michelle Chebeir, Wensheng Qin, Lew Christopher, and Yun Ji. "Kenaf biomass biodecomposition by basidiomycetes and actinobacteria in submerged fermentation for production of carbohydrates and phenolic compounds."*Bioresource technology* 173 (2014): 352-360.

Times Cited: 0

2) Kamireddy, Srinivas Reddy, Evguenii I. Kozliak, Melvin Tucker, and Yun Ji. "Kinetic features of xylan de-polymerization in production of xylose monomer and furfural during acid pretreatment for kenaf, forage sorghums and sunn hemp feedstocks." *International Journal of Agricultural and Biological Engineering* 7, no. 4 (2014): 86-98.

Times Cited: 0

3) Kamireddy, Srinivas Reddy, Evguenii I. Kozliak, Melvin Tucker, and Yun Ji. "Determining the kinetics of sunflower hulls using dilute acid pretreatment in the production of xylose and furfural." *Green Processing and Synthesis* 3, no. 1 (2014): 69-75.

Times Cited: 1

4) Anfinrud, Robynn, Larry Cihacek, Burton L. Johnson, Yun Ji, and Marisol T. Berti. "Sorghum and kenaf biomass yield and quality response to nitrogen fertilization in the Northern Great Plains of the USA." *Industrial Crops and Products* 50 (2013): 159-165.

Times Cited: 2

5) Kamireddy, Srinivas Reddy, Jinbao Li, Srinivas Abbina, Marisol Berti, Melvin Tucker, and Yun Ji. "Converting forage sorghum and sunn hemp into biofuels through dilute acid pretreatment." *Industrial Crops and Products* 49 (2013): 598-609.

Times Cited: 4

6) Li, Jinbao, Huijuan Xiu, Meiyun Zhang, Hai Wang, Yangyu Ren, and Yun Ji. "Enhancement of cellulose acid hydrolysis selectivity using metal ion catalysts." *Current Organic Chemistry* 17, no. 15 (2013): 1617-1623.

Times Cited: 3

7) R Kamireddy, Srinivas, John Degenstein, Marisol Berti, and Yun Ji. "Pretreatment and Enzymatic Hydrolysis of Kenaf as a Potential Source for Lignocellulosic Biofuel and Green Chemicals." *Current Organic Chemistry*17, no. 15 (2013): 1624-1632.

Times Cited: 1

8) Shaw, Monica, Adriaan van Heiningen, and Yun Ji. "Innovative oxygen delignification: Conversations with the TAPPI Journal 2012 Best Research Paper Award-winning authors." (2013): 5-7.

Times Cited: 0

9) Degenstein, John, Srinivas Reddy Kamireddy, Melvin P. Tucker, and Yun Ji. "Oligomer saYearharide reduction during dilute acid pretreatment co-catalyzed with Lewis acids on corn stover biomass." *International Journal of Agricultural and Biological Engineering* 6, no. 2 (2013): 54-62.

Times Cited: 1

10) Kamireddy, Srinivas R., Jinbao Li, Melvin Tucker, John Degenstein, and Yun Ji. "Effects and mechanism of metal chloride salts on pretreatment and enzymatic digestibility of corn stover." *Industrial & Engineering Chemistry Research* 52, no. 5 (2013): 1775-1782.

Times Cited: 12

11) van Heiningen, A. D. R. I. A. A. N., and Yun Ji. "Southern pine oxygen delignified pulps produced in a Berty throughflow reactor: How to obtain the highest degree of delignification while maintaining pulp yield and quality."*Tappi Journal* 11, no. 3 (2012): 9-18.

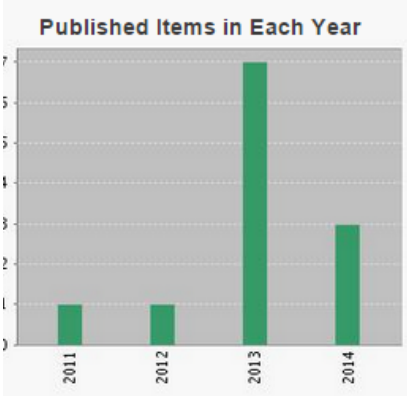
Times Cited: 4

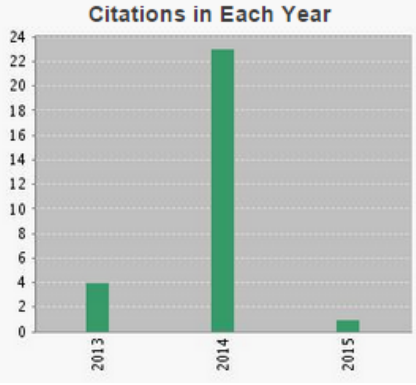
12) Degenstein, John C., Srinivas Kamireddy, Melvin P. Tucker, and Yun Ji. "Novel batch reactor for the dilute acid pretreatment of lignocellulosic feedstocks with improved heating and cooling kinetics." *International Journal of Chemical Reactor Engineering* 9, no. 1 (2011).

Times Cited: 0

List of Journals:

1) BIORESOURCE TECHNOLOGY
2) INTERNATIONAL JOURNAL OF AGRICULTURAL AND BIOLOGICAL ENGINEERING
3) GREEN PROCESSING AND SYNTHESIS
4) INDUSTRIAL CROPS AND PRODUCTS
5) CURRENT ORGANIC CHEMISTRY
6) TAPPI JOURNAL
7) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
8) INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING





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Citing Articles [?] : 21
Citing Articles without self-citations [?] : 17
Average Citations per Item [?] : 2.33
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year

Publications	0	1	1	7	3	12	2.40
Citations	1	0	0	4	23	28	5.60

Title: Assistant Professor

Name: Gautham Krishnamoorthy

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

List of Publications:

1) James, David W., Gautham Krishnamoorthy, Steven A. Benson, and Wayne S. Seames. "Modeling trace element partitioning during coal combustion."*Fuel Processing Technology* 126 (2014): 284-297.

Times Cited: 0

2) Abdul-Sater, Hassan, and Gautham Krishnamoorthy. "An assessment of radiation modeling strategies in simulations of laminar to transitional, oxy-methane, diffusion flames." *Applied Thermal Engineering* 61, no. 2 (2013): 507-518.

Times Cited: 1

3) Krishnamoorthy, Gautham. "A new weighted-sum-of-gray-gases model for oxy-combustion scenarios." *International Journal of Energy Research* 37, no. 14 (2013): 1752-1763.

Times Cited: 1

4) Nakod, Pravin, Gautham Krishnamoorthy, Muhammad Sami, and Stefano Orsino. "A comparative evaluation of gray and non-gray radiation modeling strategies in oxy-coal combustion simulations." *Applied Thermal Engineering* 54, no. 2 (2013): 422-432.

Times Cited: 4

5) Wheaton, Zachary C., and Gautham Krishnamoorthy. "Modeling radiative transfer in photobioreactors for algal growth." *Computers and Electronics in Agriculture* 87 (2012): 64-73.

Times Cited: 4

6) Krishnamoorthy, Gautham, and Megan Jimenez. "Non-gray modeling of radiative heat transfer in hydrogen combustion scenarios." *International Journal of Energy Research* 36, no. 6 (2012): 789-797.

Times Cited: 1

7) Krishnamoorthy, Gautham. "A comparison of angular discretization strategies for modeling radiative transfer in pool fire simulations." *Heat Transfer Engineering* 33, no. 12 (2012): 1040-1051.

Times Cited: 2

8) Krishnamoorthy, Gautham. "A new weighted-sum-of-gray-gases model for CO2-H2O gas mixtures." *International Communications in Heat and Mass Transfer* 37, no. 9 (2010): 1182-1186.

Times Cited: 13

9) Krishnamoorthy, Gautham. "A comparison of gray and non-gray modeling approaches to radiative transfer in pool fire simulations." *Journal of hazardous materials* 182, no. 1 (2010): 570-580.

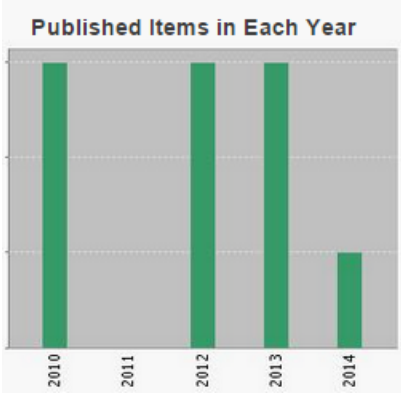
Times Cited: 3

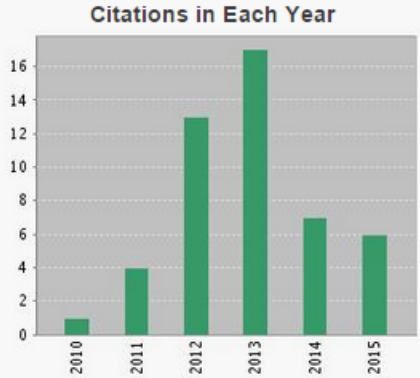
10) Krishnamoorthy, Gautham, Muhammad Sami, Stefano Orsino, Anura Perera, Mehrdad Shahnam, and E. David Huckaby. "Radiation modelling in oxy-fuel combustion scenarios." *International Journal of Computational Fluid Dynamics* 24, no. 3-4 (2010): 69-82.

Times Cited: 15

List of Journals:

1) FUEL PROCESSING TECHNOLOGY
2) APPLIED THERMAL ENGINEERING
3) INTERNATIONAL JOURNAL OF ENERGY RESEARCH
4) COMPUTERS AND ELECTRONICS IN AGRICULTURE
5) HEAT TRANSFER ENGINEERING
6) INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER
7) JOURNAL OF HAZARDOUS MATERIALS
8) INTERNATIONAL JOURNAL OF COMPUTATIONAL FLUID DYNAMICS





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Citing Articles without self-citations [?] : 33
Average Citations per Item [?] : 4.80
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	0	3	3	1	10	2.00
Citations	7	4	13	17	7	48	9.60

University of Tulsa Tenure & Tenured Track Professors

Title: Professor / Wayne Banes Rumley Endowed Chair

Name: Geoffrey Price

Web of Science Author Identifier: A-5089-2012

Number of publications 2010-2014: 7

Number of times cited: 23

H-index: 3

List of Publications:

1) Kightlinger, Weston, Kai Chen, Azadeh Pourmir, Daniel W. Crunkleton, Geoffrey L. Price, and Tyler W. Johannes. "Production and characterization of algae extract from Chlamydomonas reinhardtii." *Electronic Journal of Biotechnology* 17, no. 1 (2014): 3-3.

Times Cited: 0

2) He, Yang, Sean E. Barnes, Daniel W. Crunkleton, and Geoffrey L. Price. "Comparison of ginger oil conversion over MFI, BEA, and FAU." *Fuel* 96 (2012): 469-475.

Times Cited: 3

3) Tracy, Noah I., Daniel W. Crunkleton, and Geoffrey L. Price. "Catalytic cracking of squalene to gasoline-range molecules." *Biomass and Bioenergy*35, no. 3 (2011): 1060-1065.

Times Cited: 4

4) Tracy, Noah I., Daniel W. Crunkleton, and Geoffrey L. Price. "Gasoline production from phytol." *Fuel* 89, no. 11 (2010): 3493-3497.

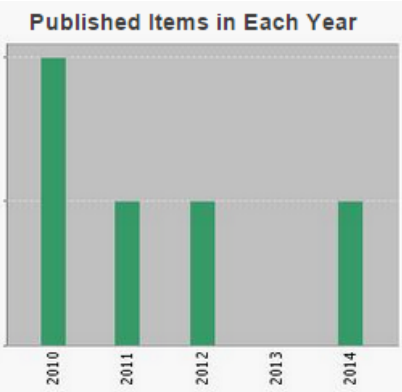
Times Cited: 1

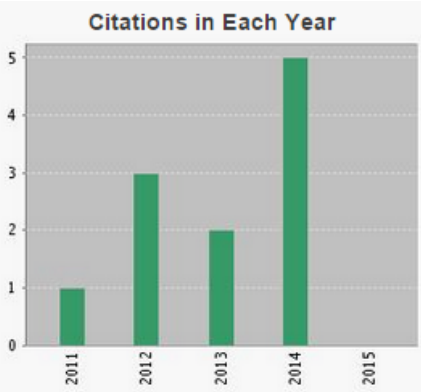
5) Chen, Daichuan, Noah I. Tracy, Daniel W. Crunkleton, and Geoffrey L. Price. "Comparison of canola oil conversion over MFI, BEA, and FAU." *Applied Catalysis A: General* 384, no. 1 (2010): 206-212.

Times Cited: 3

List of Journals:

1) ELECTRONIC JOURNAL OF BIOTECHNOLOGY
2) FUEL
3) BIOMASS & BIOENERGY
4) APPLIED CATALYSIS A-GENERAL





Results found: 5
Sum of the Times Cited [?] : 11
Sum of Times Cited without self-citations [?] : 10
Citing Articles [?] : 10
Citing Articles without self-citations [?] : 9
Average Citations per Item [?] : 2.20
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	1	1	0	1	5	1.00
Citations	0	1	3	2	5	11	2.20

Title: Professor

Name: Frank Manning

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

List of Publications: N/A

Title: Professor

Name: Kerry Sublette

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 39

H-index: 3

List of Publications:

1) Key, Katherine C., Kerry L. Sublette, Tyler W. Johannes, Dora Ogles, Brett Baldwin, and Anita Biernacki. "Assessing BTEX Biodegradation Potential at a Refinery Using Molecular Biological Tools." *Groundwater Monitoring & Remediation* 34, no. 1 (2014): 35-48.

Times Cited: 0

2) Duncan, Kathleen E., Beatriz Monica Perez-Ibarra, Gary Jenneman, Jennifer Busch Harris, Robert Webb, and Kerry Sublette. "The effect of corrosion inhibitors on microbial communities associated with corrosion in a model flow cell system." *Applied microbiology and biotechnology* 98, no. 2 (2014): 907-918.

Times Cited: 0

3) Key, Katherine C., Kerry L. Sublette, Kathleen Duncan, Douglas M. Mackay, Kate M. Scow, and Dora Ogles. "Using DNA-Stable Isotope Probing to Identify MTBE-and TBA-Degrading Microorganisms in Contaminated Groundwater." *Groundwater Monitoring & Remediation* 33, no. 4 (2013): 57-68.

Times Cited: 0

4) Chiang, Sheau-Yun Dora, RebeYeara Mora, William H. Diguiseppi, Greg Davis, Kerry Sublette, Phillip Gedalanga, and Shaily Mahendra. "Characterizing the intrinsic bioremediation potential of 1, 4-dioxane and trichloroethene using innovative environmental diagnostic tools." *Journal of Environmental Monitoring* 14, no. 9 (2012): 2317-2326.

Times Cited: 6

5) North, Katharine P., Douglas M. Mackay, Michael D. Annable, Kerry L. Sublette, Greg Davis, Reef B. Holland, Daniel Petersen, and Kate M. Scow. "An e< i> x situ</i> evaluation of TBA- and MTBE-baited bio-traps." *Water research* 46, no. 12 (2012): 3879-3888.

Times Cited: 2

6) DeAngelis, Kristen M., Martin Allgaier, Yaucin Chavarria, Julian L. Fortney, Phillip Hugenholtz, Blake Simmons, Kerry Sublette, Whendee L. Silver, and Terry C. Hazen. "Characterization of trapped lignin-degrading microbes in tropical forest soil." *PLoS One* 6, no. 4 (2011): e19306.

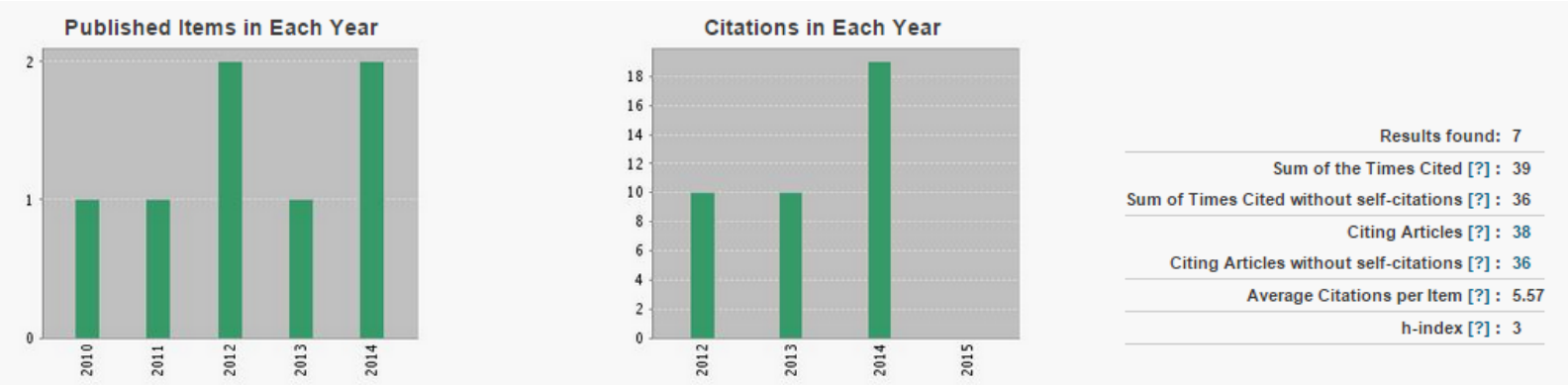
Times Cited: 24

7) Baldwin, Brett R., Anita Biernacki, Joel Blair, Michael P. Purchase, Jeffrey M. Baker, Kerry Sublette, Greg Davis, and Dora Ogles. "Monitoring gene expression to evaluate oxygen infusion at a gasoline-contaminated site."*Environmental science & technology* 44, no. 17 (2010): 6829-6834.

Times Cited: 7

List of Journals:

1) GROUND WATER MONITORING AND REMEDIATION
2) APPLIED MICROBIOLOGY AND BIOTECHNOLOGY
3) JOURNAL OF ENVIRONMENTAL MONITORING
4) WATER RESEARCH
5) PLOS ONE
6) ENVIRONMENTAL SCIENCE & TECHNOLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	1	2	1	2	7	1.40
Citations	0	0	10	10	19	39	7.80

Title: Associate Professor

Name: Selen Cremaschi

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 13

Number of times cited: 29

H-index: 3

List of Publications:

1) Eason, John, and Selen Cremaschi. "Adaptive sequential sampling for surrogate model generation with artificial neural networks." *Computers & Chemical Engineering* 68 (2014): 220-232.
Times Cited: 0

2) Eason, John P., and Selen Cremaschi. "A multi-objective superstructure optimization approach to biofeedstocks-to-biofuels systems design."*Biomass and Bioenergy* 63 (2014): 64-75.
Times Cited: 0

3) Fahmi, Ismail, Aroonsri Nuchitprasittichai, and Selen Cremaschi. "A new representation for modeling biomass to commodity chemicals development for chemical process industry." *Computers & Chemical Engineering* 61 (2014): 77-89.
Times Cited: 1

4) Soepyan, Frits Byron, Selen Cremaschi, Cem Sarica, Hariprasad J. Subramani, and Gene E. Kouba. "Solids transport models comparison and fine-tuning for horizontal, low concentration flow in single-phase carrier fluid." *AIChE Journal* 60, no. 1 (2014): 76-122.
Times Cited: 1

5) Soepyan, F. Byron, Selen Cremaschi, Cem Sarica, Hariprasad J. Subramani, and Gene E. Kouba. "Model parameter fine-tuning and ranking methodology to improve the aYearuracy of threshold velocity predictions for solid particle transport." *Journal of Petroleum Science and Engineering* 110 (2013): 210-224.
Times Cited: 1

6) Fahmi, Ismail, and Selen Cremaschi. "A prototype simulation-based optimization approach to model feedstock development for chemical process industry." *Chemical Engineering Research and Design* 91, no. 8 (2013): 1499-1507.
Times Cited: 0

7) Nuchitprasittichai, Aroonsri, and Selen Cremaschi. "Optimization of CO2 Capture Process with Aqueous Amines A Comparison of Two Simulation–Optimization Approaches." *Industrial & Engineering Chemistry Research* 52, no. 30 (2013): 10236-10243.
Times Cited: 0

8) Smith, Justin D., Amadeu A. Neto, Selen Cremaschi, and Daniel W. Crunkleton. "CFD-based optimization of a flooded bed algae bioreactor."*Industrial & Engineering Chemistry Research* 52, no. 22 (2012): 7181-7188.
Times Cited: 1

9) Nuchitprasittichai, Aroonsri, and Selen Cremaschi. "An algorithm to determine sample sizes for optimization with artificial neural networks."*AIChE Journal* 59, no. 3 (2013): 805-812.
Times Cited: 3

10) Nuchitprasittichai, Aroonsri, and Selen Cremaschi. "Sensitivity of amine-based CO2 capture cost: The influences of CO2 concentration in flue gas and utility cost fluctuations." *International Journal of Greenhouse Gas Control* 13 (2013): 34-43.
Times Cited: 4

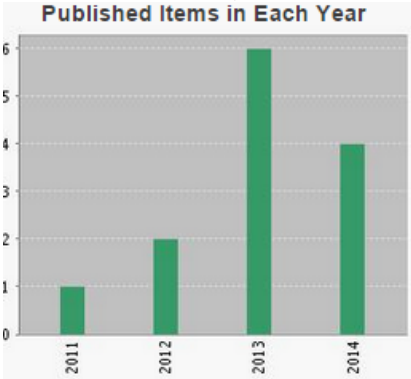
11) Fahmi, Ismail, and Selen Cremaschi. "Process synthesis of biodiesel production plant using artificial neural networks as the surrogate models."*Computers & Chemical Engineering* 46 (2012): 105-123.
Times Cited: 3

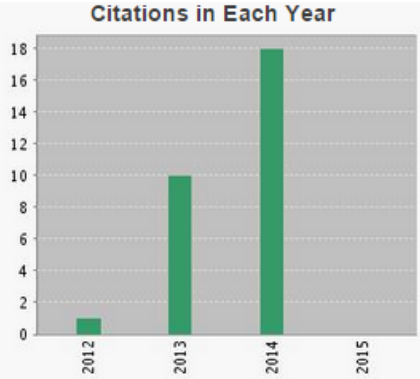
12) Cremaschi, Selen, Gene E. Kouba, and Hariprasad J. Subramani. "Characterization of Confidence in Multiphase Flow Predictions." *Energy & Fuels* 26, no. 7 (2012): 4034-4045.
Times Cited: 0

13) Nuchitprasittichai, Aroonsri, and Selen Cremaschi. "Optimization of CO2 capture process with aqueous amines using response surface methodology." *Computers & Chemical Engineering* 35, no. 8 (2011): 1521-1531.
Times Cited: 15

List of Journals:

1) COMPUTERS & CHEMICAL ENGINEERING
2) BIOMASS & BIOENERGY
3) COMPUTERS & CHEMICAL ENGINEERING
4) AICHE JOURNAL
5) JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING
6) CHEMICAL ENGINEERING RESEARCH & DESIGN
7) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
8) INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL
9) ENERGY & FUELS





Results found: 13
Sum of the Times Cited [?] : 29
Sum of Times Cited without self-citations [?] : 21
Citing Articles [?] : 24
Citing Articles without self-citations [?] : 19
Average Citations per Item [?] : 2.23
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	2	6	4	13	2.60

Citations	0	0	1	10	18	29	5.80

Title: Associate Professor

Name: Daniel Crunkleton

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 8

Number of times cited: 15

H-index: 3

List of Publications:

1) Dang, Hongli, Yingdi Liu, Wenhua Xue, Ryan S. Anderson, Cody R. Sewell, Sha Xue, Daniel W. Crunkleton, Yaogen Shen, and Sanwu Wang. "Phase transformations of nano-sized cubic boron nitride to white graphene and white graphite." *Applied Physics Letters* 104, no. 9 (2014): 093104.

Times Cited: 0

2) Kightlinger, Weston, Kai Chen, Azadeh Pourmir, Daniel W. Crunkleton, Geoffrey L. Price, and Tyler W. Johannes. "Production and characterization of algae extract from Chlamydomonas reinhardtii." *Electronic Journal of Biotechnology* 17, no. 1 (2014): 3-3.

Times Cited: 0

3) Smith, Justin D., Amadeu A. Neto, Selen Cremaschi, and Daniel W. Crunkleton. "CFD-based optimization of a flooded bed algae bioreactor."*Industrial & Engineering Chemistry Research* 52, no. 22 (2012): 7181-7188.

Times Cited: 1

4) Tracy, Noah I., and Daniel W. Crunkleton. "Oscillatory natural convection in trapezoidal enclosures." *International Journal of Heat and Mass Transfer* 55, no. 17 (2012): 4498-4510.

Times Cited: 3

5) He, Yang, Sean E. Barnes, Daniel W. Crunkleton, and Geoffrey L. Price. "Comparison of ginger oil conversion over MFI, BEA, and FAU." *Fuel* 96 (2012): 469-475.

Times Cited: 3

6) Tracy, Noah I., Daniel W. Crunkleton, and Geoffrey L. Price. "Catalytic cracking of squalene to gasoline-range molecules." *Biomass and Bioenergy*35, no. 3 (2011): 1060-1065.

Times Cited: 4

7) Tracy, Noah I., Daniel W. Crunkleton, and Geoffrey L. Price. "Gasoline production from phytol." *Fuel* 89, no. 11 (2010): 3493-3497.

Times Cited: 1

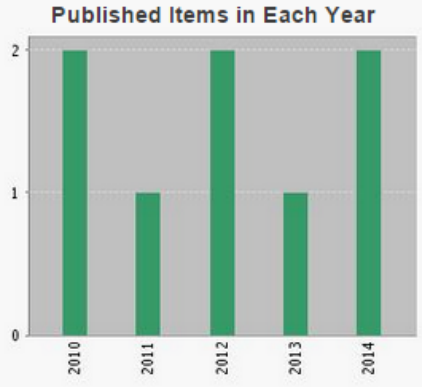
8) Chen, Daichuan, Noah I. Tracy, Daniel W. Crunkleton, and Geoffrey L. Price. "Comparison of canola oil conversion over MFI, BEA, and FAU." *Applied Catalysis A: General* 384, no. 1 (2010): 206-212.

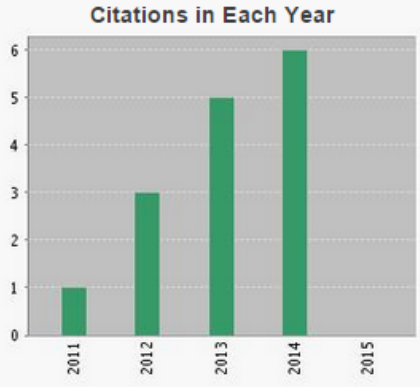
Times Cited: 3

List of Journals:

1) **APPLIED PHYSICS LETTERS**

2) ELECTRONIC JOURNAL OF BIOTECHNOLOGY
3) INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER
4) FUEL
5) BIOMASS & BIOENERGY
6) APPLIED CATALYSIS A-GENERAL





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Sum of the Times Cited [?] : 15
Sum of Times Cited without self-citations [?] : 13
Citing Articles [?] : 14
Citing Articles without self-citations [?] : 12
Average Citations per Item [?] : 1.88
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	1	2	1	2	8	1.60
Citations	0	1	3	5	6	15	3.00

Title: Associate Professor

Name: Laura Ford

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

List of Publications:

Title: Associate Professor

Name: Tyler W. Johannes

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 29

H-index: 4

List of Publications:

1) Key, Katherine C., Kerry L. Sublette, Tyler W. Johannes, Dora Ogles, Brett Baldwin, and Anita Biernacki. "Assessing BTEX Biodegradation Potential at a Refinery Using Molecular Biological Tools." *Groundwater Monitoring & Remediation* 34, no. 1 (2014): 35-48.

Times Cited: 0

2) Noor-Mohammadi, Samaneh, Azadeh Pourmir, and Tyler W. Johannes. "Method for assembling and expressing multiple genes in the nucleus of microalgae." *Biotechnology letters* 36, no. 3 (2014): 561-566.

Times Cited: 0

3) Kightlinger, Weston, Kai Chen, Azadeh Pourmir, Daniel W. Crunkleton, Geoffrey L. Price, and Tyler W. Johannes. "Production and characterization of algae extract from Chlamydomonas reinhardtii." *Electronic Journal of Biotechnology* 17, no. 1 (2014): 3-3.

Times Cited: 0

4) Pourmir, Azadeh, Samaneh Noor-Mohammadi, and Tyler W. Johannes. "Production of xylitol by recombinant microalgae." *Journal of biotechnology*165, no. 3 (2013): 178-183.

Times Cited: 4

5) Noor-Mohammadi, Samaneh, Azadeh Pourmir, and Tyler W. Johannes. "Method to assemble and integrate biochemical pathways into the chloroplast genome of Chlamydomonas reinhardtii." *Biotechnology and bioengineering* 109, no. 11 (2012): 2896-2903.

Times Cited: 5

6) Hung, John E., Emily J. Fogle, Harry D. Christman, Tyler W. Johannes, Huimin Zhao, William W. Metcalf, and Wilfred A. van der Donk. "Investigation of the Role of Arg301 Identified in the X-ray Structure of Phosphite Dehydrogenase." *Biochemistry* 51, no. 21 (2012): 4254-4262.

Times Cited: 2

7) Zou, Yaozhong, Houjin Zhang, Joseph S. Brunzelle, Tyler W. Johannes, Ryan Woodyer, John E. Hung, Nikhil Nair, Wilfred A. van der Donk, Huimin Zhao, and Satish K. Nair. "Crystal structures of phosphite dehydrogenase provide insights into nicotinamide cofactor regeneration." *Biochemistry* 51, no. 21 (2012): 4263-4270.

Times Cited: 2

8) Johannes, Tyler W., Matthew A. DeSieno, Benjamin M. Griffin, Paul M. Thomas, Neil L. Kelleher, William W. Metcalf, and Huimin Zhao. "Deciphering the late biosynthetic steps of antimalarial compound FR-900098." *Chemistry & biology* 17, no. 1 (2010): 57-64.

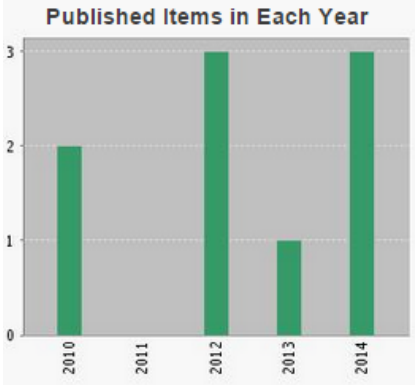
Times Cited: 9

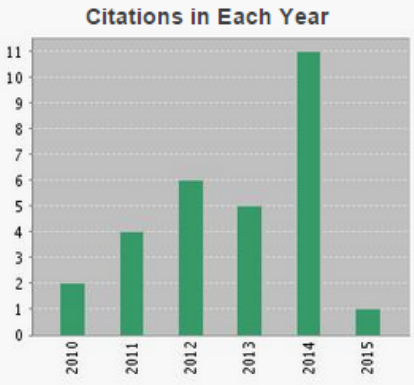
9) SeongáChoi, Yoo. "Cloning and heterologous expression of the spectinabilin biosynthetic gene cluster from Streptomyces spectabilis."*Molecular BioSystems* 6, no. 2 (2010): 336-338.

Times Cited: 8

List of Journals:

1) GROUND WATER MONITORING AND REMEDIATION
2) BIOTECHNOLOGY LETTERS
3) ELECTRONIC JOURNAL OF BIOTECHNOLOGY
4) JOURNAL OF BIOTECHNOLOGY
5) BIOTECHNOLOGY AND BIOENGINEERING
6) BIOCHEMISTRY
7) CHEMISTRY & BIOLOGY
8) MOLECULAR BIOSYSTEMS





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Sum of Times Cited without self-citations [?] : 26
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Average Citations per Item [?] : 3.22
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	0	3	1	3	9	1.80
Citations	3	4	6	5	11	29	5.80

Title: Associate Professor

Name: Christi Patton-Luks

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 0

Number of times cited: 0

H-index: 0

List of Publications:

Title: Assistant Professor

Name: Hema Ramsurn

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 44

H-index: 4

List of Publications:

1) Ramsurn, Hema, and Ram B. Gupta. "Deoxy-liquefaction of switchgrass in supercritical water with calcium formate as an in-situ hydrogen donor." *Bioresource technology* 143 (2013): 575-583.

Times Cited: 4

2) Ramsurn, Hema, and Ram B. Gupta. "Nanotechnology in solar and biofuels."*Acs Sustainable Chemistry & Engineering* 1, no. 7 (2013): 779-797.

Times Cited: 5

3) Ramsurn, Hema, and Ram B. Gupta. "Production of biocrude from biomass by acidic subcritical water followed by alkaline supercritical water two-step liquefaction." *Energy & Fuels* 26, no. 4 (2012): 2365-2375.

Times Cited: 16

4) Ramsurn, Hema, Sandeep Kumar, and Ram B. Gupta. "Enhancement of biochar gasification in alkali hydrothermal medium by passivation of inorganic components using Ca (OH) 2." *Energy & Fuels* 25, no. 5 (2011): 2389-2398.

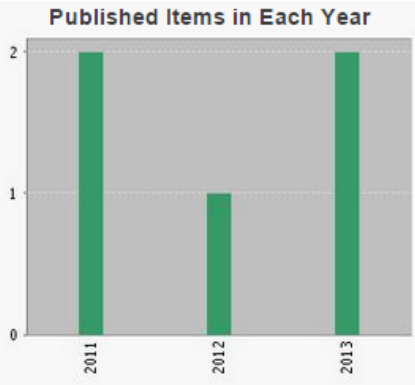
Times Cited: 8

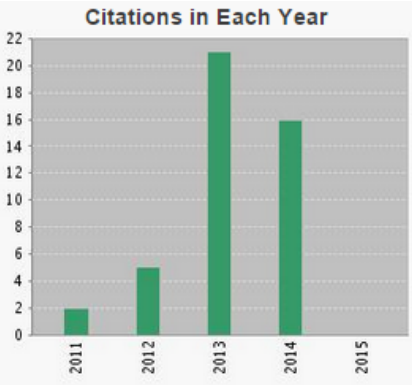
5) Byrd, Adam J., Sandeep Kumar, Lingzhao Kong, Hema Ramsurn, and Ram B. Gupta. "Hydrogen production from catalytic gasification of switchgrass biocrude in supercritical water." *International Journal of Hydrogen Energy*36, no. 5 (2011): 3426-3433.

Times Cited: 11

List of Journals:

1) BIORESOURCE TECHNOLOGY
2) ACS SUSTAINABLE CHEMISTRY & ENGINEERING
3) ENERGY & FUELS
4) INTERNATIONAL JOURNAL OF HYDROGEN ENERGY





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Sum of Times Cited without self-citations [?] : 41
Citing Articles [?] : 43
Citing Articles without self-citations [?] : 41
Average Citations per Item [?] : 8.80
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	2	1	2	0	5	1.00
Citations	0	2	5	21	16	44	8.80

New Mexico State University Tenure & Tenured Track Professors

Title: Robert Davis Distinguished Professor/ NMSU Distinguished Achievement Professor/ Academic Department Head

Name: David A. Rockstraw, PE

Web of Science Author Identifier: B-9916-2013

Number of publications 2010-2014: 1

Number of times cited: 0

H-index: 0

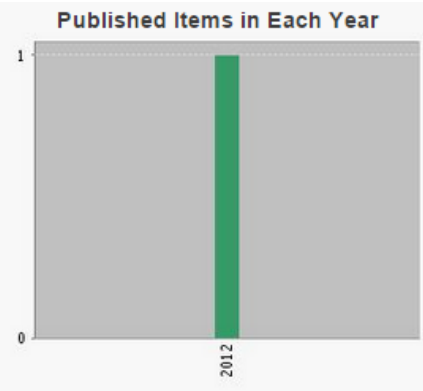
List of Publications:

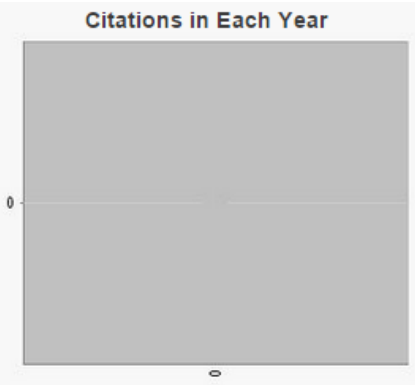
1) Rockstraw, David A. "Comments on “Mechanism and Kinetics of Sulfite Oxidation in the Presence of Ethanol”: Corrected Rate Law for Sulfite Oxidation Mechanism with Ethanol Inhibition." *Industrial & Engineering Chemistry Research* 51, no. 35 (2012): 11587-11587.

Times Cited: 0

List of Journals:

1) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH





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Average Citations per Item [?] : 0.00
h-index [?] : 0

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	0	0	1	0.20
Citations	0	0	0	0	0	0	0.00

Title: Associate Dean of Research/ Professor

Name: Martha C. Mitchell, PE

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 2

H-index: 1

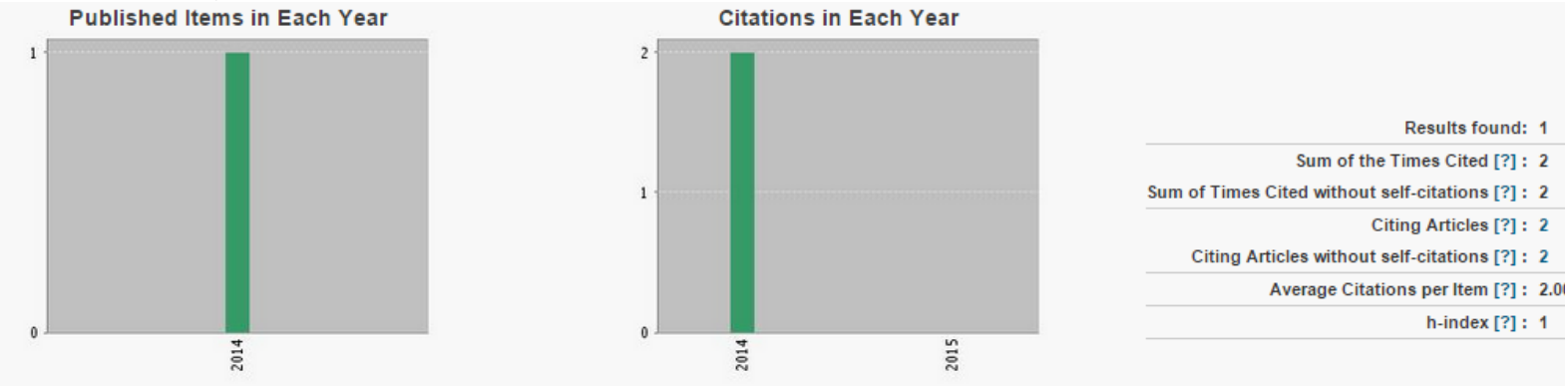
List of Publications:

1) Flores, Lisa Y., Rachel L. Navarro, Hang Shim Lee, Dorothy A. Addae, RebeYeara Gonzalez, Laura L. Luna, Ricardo Jacquez, Sonya Cooper, and Martha Mitchell. "Academic satisfaction among Latinoa and White men and women engineering students." *Journal of counseling psychology* 61, no. 1 (2014): 81.

Times Cited: 2

List of Journals:

1) JOURNAL OF COUNSELING PSYCHOLOGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	0	1	1	0.20
Citations	0	0	0	0	1	2	0.20

Title: Robert Davis Distinguished Professor

Name: Shuguang Deng

Web of Science Author Identifier: G-5926-2011

Number of publications 2010-2014: 97

Number of times cited: 1253

H-index: 19

List of Publications:

1) Xu, Yun, Marco Dunwell, Ling Fei, Engang Fu, Qianglu Lin, Brian Patterson, Bin Yuan et al. "Two-Dimensional V2O5 Sheet Network as Electrode for Lithium-Ion Batteries." *ACS applied materials & interfaces* 6, no. 22 (2014): 20408-20413.
Times Cited: 0

2) Wang, Jun, Jianhan Huang, Xiaofei Wu, Bin Yuan, Yinqiang Sun, Zheling Zeng, and Shuguang Deng. "Effect of nitrogen group on selective separation of CO2/N2 in porous polystyrene." *Chemical Engineering Journal* 256 (2014): 390-397.
Times Cited: 0

3) Sun, Yingqiang, Sundaravadivelnathan Ponnusamy, Tapaswy Muppaneni, Harvind K. Reddy, Prafulla D. Patil, Changzhu Li, Lijuan Jiang, and Shuguang Deng. "Optimization of high-energy density biodiesel production from camelina sativa oil under supercritical 1-butanol conditions." *Fuel* 135 (2014): 522-529.
Times Cited: 0

4) Sun, Yingqiang, Harvind K. Reddy, Tapaswy Muppaneni, Sundaravadivelnathan Ponnusamy, Prafulla D. Patil, Changzhu Li, Lijuan Jiang, and Shuguang Deng. "A comparative study of direct transesterification of camelina oil under supercritical methanol, ethanol and 1-butanol conditions." *Fuel* 135 (2014): 530-536.
Times Cited: 0

5) Fei, Ling, Yufeng Jiang, Yun Xu, Gen Chen, Yuling Li, Xun Xu, Shuguang Deng, and Hongmei Luo. "A novel solvent-free thermal reaction of ferrocene and sulfur for one-step synthesis of iron sulfide and carbon nanocomposites and their electrochemical performance." *Journal of Power Sources* 265 (2014): 1-5.
Times Cited: 0

6) Ponnusamy, Sundaravadivelnathan, Harvind Kumar Reddy, Tapaswy Muppaneni, Cara Meghan Downes, and Shuguang Deng. "Life cycle assessment of biodiesel production from algal bio-crude oils extracted under subcritical water conditions." *Bioresource technology* 170 (2014): 454-461.
Times Cited: 0

7) Reddy, Harvind K., Tapaswy Muppaneni, Yingqiang Sun, Yin Li, Sundaravadivelnathan Ponnusamy, Prafulla D. Patil, Peter Dailey et al. "Subcritical water extraction of lipids from wet algae for biodiesel production." *Fuel* 133 (2014): 73-81.

Times Cited: 2

8) Chen, Gen, Meng Zhou, Joshua Catanach, Tiffany Liaw, Ling Fei, Shuguang Deng, and Hongmei Luo. "Solvothermal route based in situ carbonization to Fe3O4@C as anode material for lithium ion battery." *Nano Energy* 8 (2014): 126-132.
Times Cited: 2

9) Wei, Zuojun, Yao Yang, Yaxin Hou, Yingxin Liu, Xiaodong He, and Shuguang Deng. "A New Approach Towards Acid Catalysts with High Reactivity Based on Graphene Nanosheets." *ChemCatChem* 6, no. 8 (2014): 2354-2363.
Times Cited: 0

10) Chen, Gen, Rodrigo Rodriguez, Ling Fei, Yun Xu, Shuguang Deng, Sergei Smirnov, and Hongmei Luo. "A facile hydrothermal route to iron (III) oxide with conductive additives as composite anode for lithium ion batteries."*Journal of Power Sources* 259 (2014): 227-232.
Times Cited: 4

11) Hou, Yaxin, Liangbo Xu, Zuojun Wei, Yingxin Liu, Xinghua Li, and Shuguang Deng. "Reaction process and kinetics of the selective hydrogenation of resorcinol into 1, 3-cyclohexanedione." *Journal of the Taiwan Institute of Chemical Engineers* (2014).
Times Cited: 0

12) Li, Yin, Jie Fu, Shuguang Deng, and Xiuyang Lu. "Optimization of mesoporous carbons for efficient adsorption of berberine hydrochloride from aqueous solutions." *Journal of colloid and interface science* 424 (2014): 104-112.
Times Cited: 0

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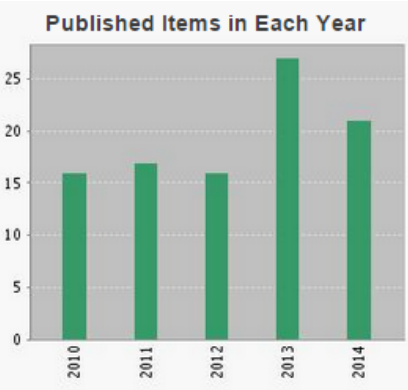

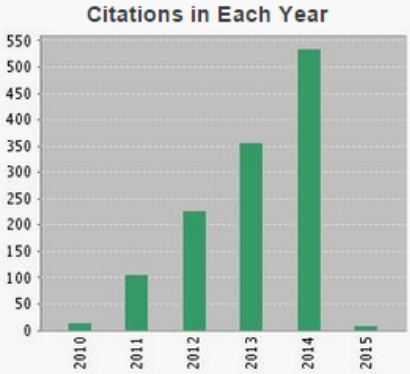

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Sum of the Times Cited [?] : 1253
Sum of Times Cited without self-citations [?] : 1121
Citing Articles [?] : 1013
Citing Articles without self-citations [?] : 957
Average Citations per Item [?] : 12.92
h-index [?] : 19

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	16	17	16	27	21	97	19.29
Citations	26	106	229	357	534	1253	179.00

Title: Professor

Name: Abbas Ghassemi

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 17

H-index: 2

List of Publications:

1) Rogers, Jonathan N., Julian N. Rosenberg, Bernardo J. Guzman, Victor H. Oh, Luz Elena Mimbela, Abbas Ghassemi, Michael J. Betenbaugh, George A. Oyler, and Marc D. Donohue. "A critical analysis of paddlewheel-driven raceway ponds for algal biofuel production at commercial scales." *Algal Research* 4 (2014): 76-88.

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2) Reddy, Harvind K., Tapaswy Muppaneni, Jalal Rastegary, Saeid A. Shirazi, Abbas Ghassemi, and Shuguang Deng. "ASI: Hydrothermal extraction and characterization of bio-crude oils from wet chlorella sorokiniana and dunaliella tertiolecta." *Environmental Progress & Sustainable Energy* 32, no. 4 (2013): 910-915.

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3) Myint, Maung Thein, Abbas Ghassemi, and Nagamany Nirmalakhandan. "A generic stoichiometric equation for microalgae–microorganism nexus by using clarified domestic wastewater as growth medium." *Desalination and Water Treatment* 51, no. 34-36 (2013): 6632-6640.

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4) Myint, Maung Thein, Abbas Ghassemi, and Nagamany Nirmalakhandan. "Complete sustainability in electrodialysis reversal desalination: reusing tertiary-treated municipal wastewater as feed in the concentrate stream and electrodes rinsing water." *Desalination and Water Treatment* 51, no. 16-18 (2013): 3215-3223.

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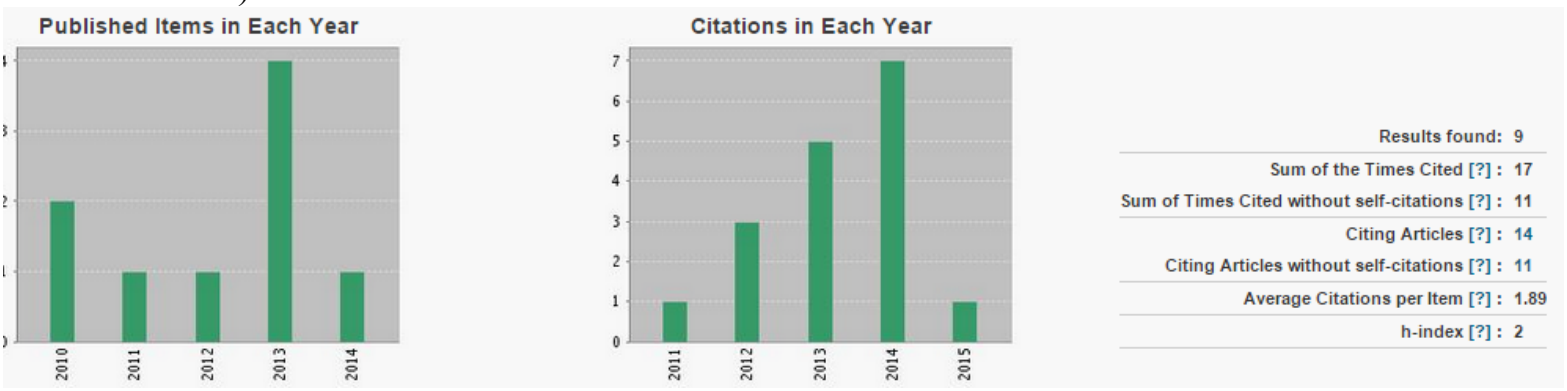
1) ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS
2) ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY
3) DESALINATION AND WATER TREATMENT
4) GROUND WATER MONITORING AND REMEDIATION
5) ENVIRONMENTAL ENGINEERING SCIENCE



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	1	1	4	1	9	1.89
Citations	1	1	3	5	7	17	3.40

Title: Associate Professor

Name: Hongmei Luo

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 74

Number of times cited: 694

H-index: 14

List of Publications:

1) Xu, Yun, Marco Dunwell, Ling Fei, Engang Fu, Qianglu Lin, Brian Patterson, Bin Yuan et al. "Two-Dimensional V2O5 Sheet Network as Electrode for Lithium-Ion Batteries." *ACS applied materials & interfaces* 6, no. 22 (2014): 20408-20413.
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2) Fei, Ling, Yufeng Jiang, Yun Xu, Gen Chen, Yuling Li, Xun Xu, Shuguang Deng, and Hongmei Luo. "A novel solvent-free thermal reaction of ferrocene and sulfur for one-step synthesis of iron sulfide and carbon nanocomposites and their electrochemical performance." *Journal of Power Sources* 265 (2014): 1-5.
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10) Scott, Brian L., John J. Joyce, Tomasz D. Durakiewicz, Richard L. Martin, T. Mark MYearleskey, Eve Bauer, Hongmei Luo, and Quanxi Jia. "High quality epitaxial thin films of actinide oxides, carbides, and nitrides: Advancing understanding of electronic structure of f-element materials." *Coordination Chemistry Reviews* 266 (2014): 137-154.
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72) Zou, Guifu, Hongmei Luo, Filip Ronning, Baoquan Sun, Thomas M. MYearleskey, Anthony K. Burrell, Eve Bauer, and Q. X. Jia. "Facile Chemical Solution Deposition of High-Mobility Epitaxial Germanium Films on Silicon."*Angewandte Chemie International Edition* 49, no. 10 (2010): 1782-1785.

Times Cited: 6

73) Zou, Guifu, Hongmei Luo, Yingying Zhang, Jie Xiong, Qiangmin Wei, Mujin Zhuo, Junyi Zhai et al. "A chemical solution approach for superconducting and hard epitaxial NbC film." *Chem. Commun.* 46, no. 41 (2010): 7837-7839.

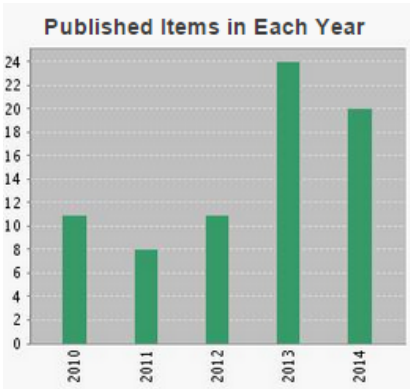
Times Cited: 6

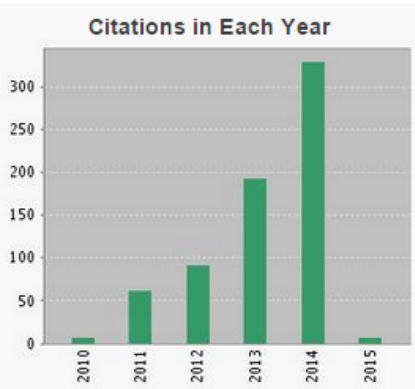
74) Luo, Hongmei, Qianglu Lin, Stacy Baber, and Mahesh Naalla. "Surfactant-Templated mesoporous metal oxide nanowires." *Journal of Nanomaterials*2010 (2010): 3.

Times Cited: 3

List of Journals:

1) ACS APPLIED MATERIALS & INTERFACES
2) JOURNAL OF POWER SOURCES
3) PHYSIOLOGIA PLANTARUM
4) CHEMICAL COMMUNICATIONS
5) NANO RESEARCH
6) GENETICS
7) GENOMICS
8) COORDINATION CHEMISTRY REVIEWS
9) NATURE COMMUNICATIONS
10) EXPERIMENTAL AND THERAPEUTIC MEDICINE
11) CURRENT MICROBIOLOGY
12) INTERNATIONAL JOURNAL OF ONCOLOGY
13) GENE
14) EUROPEAN JOURNAL OF PLANT PATHOLOGY
15) JOURNAL OF ALLOYS AND COMPOUNDS
16) PLANT CELL TISSUE AND ORGAN CULTURE
17) LUNG CANCER
18) MOLECULAR MEDICINE REPORTS
19) MATERIALS CHEMISTRY AND PHYSICS
20) BMC GENOMICS
21) PLOS ONE
22) CHEMICAL RECORD
23) SCIENCE CHINA-LIFE SCIENCES
24) MOLECULAR MEDICINE REPORTS
25) JOURNAL OF NANOMATERIALS
26) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
27) JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A
28) ACS NANO
29) APPLIED PHYSICS LETTERS
30) JOURNAL OF MEDICINAL PLANTS RESEARCH
31) JOURNAL OF APPLIED PHYSICS
32) PLANTA MEDICA
33) BMC PLANT BIOLOGY
34) ADVANCED MATERIALS
35) JOURNAL OF PHYTOPATHOLOGY
36) ANGEWANDTE CHEMIE-INTERNATIONAL EDITION
37) CHEMICAL COMMUNICATIONS
38) NANO ENERGY
39) MICROPOROUS AND MESOPOROUS MATERIALS
40) NANOSCALE
41) ENVIRONMENTAL SCIENCE & TECHNOLOGY
42) MATERIALS LETTERS
43) JOURNAL OF MATERIALS CHEMISTRY A
44) RSC ADVANCES
45) JOURNAL OF PHYSICAL CHEMISTRY LETTERS
46) JOURNAL OF PHYSICAL CHEMISTRY C





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Sum of Times Cited without self-citations [?] : 629
Citing Articles [?] : 599
Citing Articles without self-citations [?] : 568
Average Citations per Item [?] : 9.38
h-index [?] : 14

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	11	8	11	24	29	74	13.80
Citations	16	63	93	194	329	694	115.67

Title: Associate Professor

Name: Paul K. Andersen

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 63

H-index: 4

List of Publications:

1) Xu, Yun, Marco Dunwell, Ling Fei, Engang Fu, Qianglu Lin, Brian Patterson, Bin Yuan et al. "Two-Dimensional V2O5 Sheet Network as Electrode for Lithium-Ion Batteries." *ACS applied materials & interfaces* 6, no. 22 (2014): 20408-20413.
Times Cited: 0

2) Xu, Yun, Ling Fei, Engang Fu, Bin Yuan, Joshua Hill, Yingxi Chen, Shuguang Deng, Paul Andersen, Yongqiang Wang, and Hongmei Luo. "A general polymer-assisted solution approach to grow transition metal oxide nanostructures directly on nickel foam as anodes for Li-ion batteries."*Journal of Power Sources* 242 (2013): 604-609.
Times Cited: 2

3) Fei, Ling, Yun Xu, Zheng Chen, Bin Yuan, Xiaofei Wu, Joshua Hill, Qianglu Lin et al. "Preparation of porous SnO2 helical nanotubes and SnO2 sheets." *Materials Chemistry and Physics* 140, no. 1 (2013): 249-254.
Times Cited: 4

4) Xu, Yun, Gen Chen, Engang Fu, Meng Zhou, Marco Dunwell, Ling Fei, Shuguang Deng et al. "Nickel substituted LiMn 2 O 4 cathode with durable high-rate capability for Li-ion batteries." *Rsc Advances* 3, no. 40 (2013): 18441-18445.
Times Cited: 4

5) Xu, Yun, Ran Yi, Bin Yuan, Xiaofei Wu, Marco Dunwell, Qianglu Lin, Ling Fei et al. "High capacity MoO2/graphite oxide composite anode for lithium-ion batteries." *The Journal of Physical Chemistry Letters* 3, no. 3 (2012): 309-314.
Times Cited: 36

6) Munson-McGee, Stuart H., Aravind Mannarswamy, and Paul K. Andersen. "D-optimal designs for sorption kinetic experiments: Slabs." *Journal of food engineering* 104, no. 3 (2011): 461-466.
Times Cited: 4

7) Munson-McGee, Stuart H., Aravind Mannarswamy, and Paul K. Andersen. "D-optimal designs for sorption kinetic experiments: Cylinders." *Journal of food engineering* 104, no. 2 (2011): 202-207.
Times Cited: 3

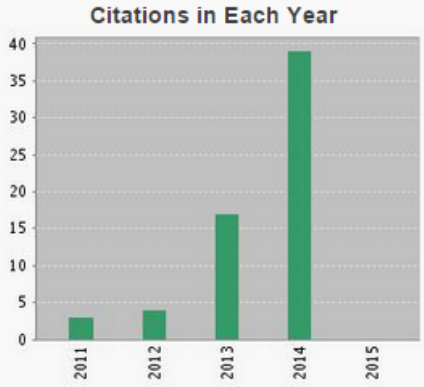
8) Munson-McGee, Stuart H., Aravind Mannarswamy, and Paul K. Andersen. "Designing experiments to differentiate between adsorption isotherms using T-optimal designs." *Journal of food engineering* 101, no. 4 (2010): 386-393.
Times Cited: 0

9) Mannarswamy, Aravind, Stuart H. Munson-McGee, and Paul K. Andersen. "D-optimal designs for the Cross viscosity model applied to guar gum mixtures." *Journal of food engineering* 97, no. 3 (2010): 403-409.

Times Cited: 10

List of Journals:

1) ACS APPLIED MATERIALS & INTERFACES
2) JOURNAL OF POWER SOURCES
3) MATERIALS CHEMISTRY AND PHYSICS
4) RSC ADVANCES
5) JOURNAL OF PHYSICAL CHEMISTRY LETTERS
6) JOURNAL OF FOOD ENGINEERING



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Sum of Times Cited without self-citations [?] : 59
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Citing Articles without self-citations [?] : 53
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h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	2	1	3	1	9	1.80
Citations	0	3	4	17	39	63	12.60

Title: Assistant Professor

Name: Catherine E. Brewer

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 54

H-index: 3

List of Publications:

1) Brewer, Catherine E., Victoria J. Chuang, Caroline A. Masiello, Helge Gonnermann, Xiaodong Gao, Brandon Dugan, Laura E. Driver, Pietro PanzaYearhi, Kyriacos Zygourakis, and Christian A. Davies. "New approaches to measuring biochar density and porosity." *Biomass and Bioenergy* 66 (2014): 176-185.

Times Cited: 1

2) Headlee, William L., Catherine E. Brewer, and Richard B. Hall. "Biochar as a substitute for vermiculite in potting mix for hybrid poplar." *BioEnergy Research* 7, no. 1 (2014): 120-131.

Times Cited: 2

3) Brewer, Catherine E., Yan-Yan Hu, Klaus Schmidt-Rohr, Thomas E. Loynachan, David A. Laird, and Robert C. Brown. "Extent of pyrolysis impacts on fast pyrolysis biochar properties." *Journal of environmental quality* 41, no. 4 (2012): 1115-1122.

Times Cited: 8

4) Deal, Christopher, Catherine E. Brewer, Robert C. Brown, Mackay AE Okure, and Alice Amoding. "Comparison of kiln-derived and gasifier-derived biochars as soil amendments in the humid tropics." *biomass and bioenergy*37 (2012): 161-168.

Times Cited: 6

5) Brewer, Catherine E., Rachel Unger, Klaus Schmidt-Rohr, and Robert C. Brown. "Criteria to select biochars for field studies based on biochar chemical properties." *Bioenergy Research* 4, no. 4 (2011): 312-323.

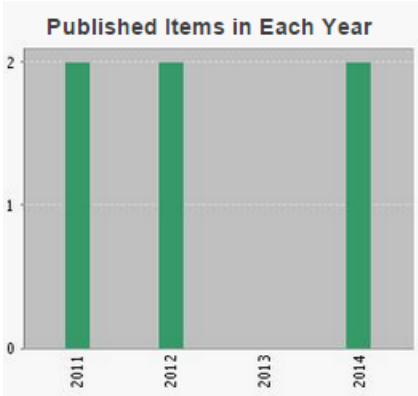
Times Cited: 37

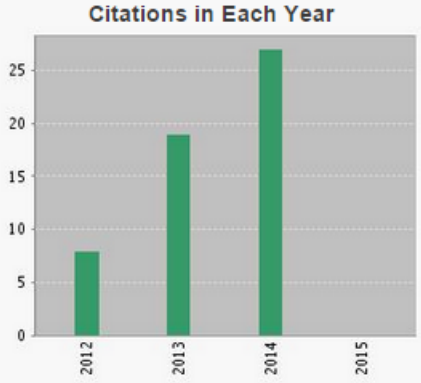
6) Unger, Rachel, Randy Killorn, and Catherine Brewer. "Effects of Soil Application of Different Biochars on Selected Soil Chemical Properties."*Communications in Soil Science and Plant Analysis* 42, no. 19 (2011): 2310-2321.

Times Cited: 0

List of Journals:

1) BIOMASS & BIOENERGY
2) BIOENERGY RESEARCH
3) JOURNAL OF ENVIRONMENTAL QUALITY
4) COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS





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Sum of the Times Cited [?] : 54
Sum of Times Cited without self-citations [?] : 51
Citing Articles [?] : 54
Citing Articles without self-citations [?] : 51
Average Citations per Item [?] : 9.00
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	2	2	0	2	6	1.20
Citations	0	0	8	19	27	54	10.80

Title: Assistant Professor

Name: Reza Foudazi

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 54

H-index: 3

List of Publications:

1) Moghimi, Esmaeel, Fatemeh Goharpey, and Reza Foudazi. "Role of droplet bridging on the stability of particle-containing immiscible polymer blends."*Rheologica Acta* 53, no. 2 (2014): 165-180.
Times Cited: 1

2) Yeganeh, Jafar Khademzadeh, Fatemeh Goharpey, Esmaeel Moghimi, George Petekidis, and Reza Foudazi. "Controlling the kinetics of viscoelastic phase separation through self-assembly of spherical nanoparticles or block copolymers." *Soft matter* (2014).
Times Cited: 0

3) Yeganeh, Jafar Khademzadeh, Fatemeh Goharpey, and Reza Foudazi. "Anomalous phase separation behavior in dynamically asymmetric LCST polymer blends." *RSC Advances* 4, no. 25 (2014): 12809-12825.
Times Cited: 1

4) Foudazi, Reza, Polina Gokun, Donald L. Feke, Stuart J. Rowan, and Ica Manas-Zloczower. "Chemorheology of Poly (high internal phase emulsions)." *Macromolecules* 46, no. 13 (2013): 5393-5396.
Times Cited: 1

5) Foudazi, Reza, and Hossein Nazockdast. "Rheology and morphology of nanosilica-containing polypropylene and polypropylene/liquid crystalline polymer blend." *Journal of Applied Polymer Science* 128, no. 6 (2013): 3501-3511.
Times Cited: 2

6) Yeganeh, Jafar Khademzadeh, Fatemeh Goharpey, and Reza Foudazi. "Can only rheology be used to determine the phase separation mechanism in dynamically asymmetric polymer blends (PS/PVME)?." *RSC Advances* 2, no. 21 (2012): 8116-8127.
Times Cited: 5

7) Foudazi, Reza, Irina Masalova, and Alexander Ya Malkin. "Flow behaviour of highly concentrated emulsions of supersaturated aqueous solution in oil."*Rheologica acta* 50, no. 11-12 (2011): 897-907.
Times Cited: 2

8) Masalova, Irina, Reza Foudazi, and A. Ya Malkin. "The rheology of highly concentrated emulsions stabilized with different surfactants." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 375, no. 1 (2011): 76-86.

Times Cited: 17

9) Khademzadeh Yeganeh, Jafar, Fatemeh Goharpey, and Reza Foudazi. "Rheology and morphology of dynamically asymmetric LCST blends: polystyrene/poly (vinyl methyl ether)." *Macromolecules* 43, no. 20 (2010): 8670-8685.

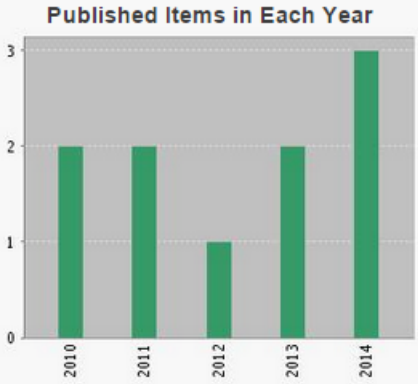
Times Cited: 17

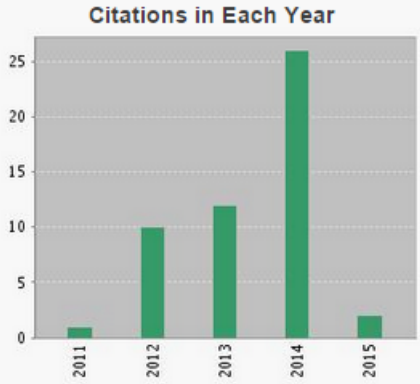
10) Foudazi, Reza, and Hossein Nazockdast. "Rheology of polypropylene/liquid crystalline polymer blends: effect of compatibilizer and silica." *Applied Rheology* 20, no. 1 (2010): 12218.

Times Cited: 5

List of Journals:

1) RHEOLOGICA ACTA
2) SOFT MATTER
3) RSC ADVANCES
4) MACROMOLECULES
5) JOURNAL OF APPLIED POLYMER SCIENCE
6) COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS
7) APPLIED RHEOLOGY





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Sum of the Times Cited [?] : 51
Sum of Times Cited without self-citations [?] : 39
Citing Articles [?] : 42
Citing Articles without self-citations [?] : 37
Average Citations per Item [?] : 5.10
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	2	1	2	3	10	2.00
Citations	2	1	10	12	26	51	10.20

Title: Assistant Professor

Name: Jessica P. Houston

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 23

H-index: 3

List of Publications:

1) Cao, Ruofan, Mark A. Naivar, Mark Wilder, and Jessica P. Houston. "Expanding the potential of standard flow cytometry by extracting fluorescence lifetimes from cytometric pulse shifts." *Cytometry Part A* 85, no. 12 (2014): 999-1010.

Times Cited: 0

2) Sands, Bryan, Patrick Jenkins, William J. Peria, Mark Naivar, Jessica P. Houston, and Roger Brent. "Measuring and Sorting Cell Populations Expressing Isospectral Fluorescent Proteins with Different Fluorescence Lifetimes." *PloS one* 9, no. 10 (2014): e109940.

Times Cited: 0

3) Li, Wenyan, Giacomo VaYeara, Maryann Castillo, Kevin D. Houston, and Jessica P. Houston. "Fluorescence lifetime excitation cytometry by kinetic dithering." *Electrophoresis* (2014).

Times Cited: 1

4) Gohar, Ali Vaziri, Ruofan Cao, Patrick Jenkins, Wenyan Li, Jessica P. Houston, and Kevin D. Houston. "Subcellular localization-dependent changes in EGFP fluorescence lifetime measured by time-resolved flow cytometry." *Biomedical optics express* 4, no. 8 (2013): 1390-1400.

Times Cited: 3

5) Cao, Ruofan, Varayini Pankayatselvan, and Jessica P. Houston. "Cytometric sorting based on the fluorescence lifetime of spectrally overlapping signals."*Optics express* 21, no. 12 (2013): 14816-14831.

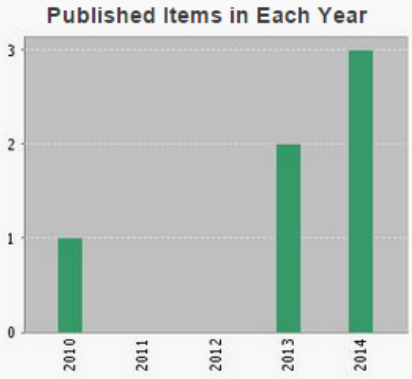
Times Cited: 5

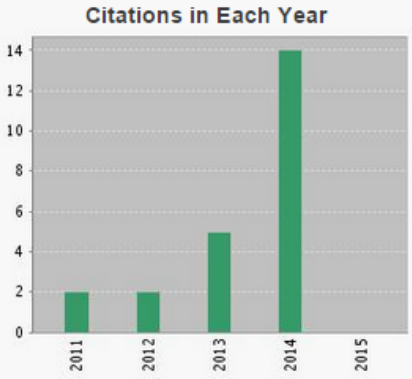
6) Houston, Jessica P., Mark A. Naivar, and James P. Freyer. "Digital analysis and sorting of fluorescence lifetime by flow cytometry." *Cytometry Part A* 77, no. 9 (2010): 861-872.

Times Cited: 14

List of Journals:

1) CYTOMETRY PART A
2) PLOS ONE
3) ELECTROPHORESIS
4) BIOMEDICAL OPTICS EXPRESS
5) OPTICS EXPRESS
6) JOURNAL OF RENAL NUTRITION





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Citing Articles [?] : 16
Citing Articles without self-citations [?] : 11
Average Citations per Item [?] : 3.83
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	2	3	6	1.20
Citations	0	2	2	5	14	23	4.40

Title: Assistant Professor

Name: Thomas A. Manz

Web of Science Author Identifier: H-4590-2011

Number of publications 2010-2014: 12

Number of times cited: 166

H-index: 5

List of Publications:

1) Spivey, James J., Katla Sai Krishna, Challa SSR Kumar, Kerry M. Dooley, John C. Flake, Louis H. Haber, Ye Xu et al. "Synthesis, Characterization, and Computation of Catalysts at the Center for Atomic-Level Catalyst Design."*The Journal of Physical Chemistry C* 118, no. 35 (2014): 20043-20069.

Times Cited: 0

2) Erucar, Ilknur, Thomas A. Manz, and Seda Keskin. "Effects of electrostatic interactions on gas adsorption and permeability of MOF membranes."*Molecular Simulation* 40, no. 7-9 (2014): 557-570.

Times Cited: 1

3) Manz, Thomas A., and Bo Yang. "Selective oxidation passing through η 3-ozone intermediates: applications to direct propene epoxidation using molecular oxygen oxidant." *RSC Advances* 4, no. 53 (2014): 27755-27774.

Times Cited: 0

4) Rettew, Robert E., Shuang Cheng, Marc Sauerbrey, Thomas A. Manz, David S. Sholl, Cherno Jaye, Daniel A. Fischer, and Faisal M. Alamgir. "Near Surface Phase Transition of Solute Derived Pt Monolayers." *Topics in Catalysis* 56, no. 12 (2013): 1065-1073.

Times Cited: 1

5) Manz, Thomas A. "Comment on “Extending Hirshfeld-I to bulk and periodic materials”." *Journal of computational chemistry* 34, no. 5 (2013): 418-421.

Times Cited: 1

6) Manz, Thomas A., and David S. Sholl. "Improved atoms-in-molecule charge partitioning functional for simultaneously reproducing the electrostatic potential and chemical states in periodic and nonperiodic materials."*Journal of Chemical Theory and Computation* 8, no. 8 (2012): 2844-2867.

Times Cited: 29

7) Parkinson, Gareth S., Thomas A. Manz, Zbyněk Novotný, Phillip T. Sprunger, Richard L. Kurtz, Michael Schmid, David S. Sholl, and Ulrike Diebold. "Antiphase domain boundaries at the Fe 3 O 4 (001) surface." *Physical Review B* 85, no. 19 (2012): 195450.

Times Cited: 12

8) Manz, Thomas A., James M. Caruthers, Shalini Sharma, Khamphee Phomphrai, Kendall T. Thomson, W. Nicholas Delgass, and Mahdi M. Abu-Omar. "Structure–Activity Correlation for

Relative Chain Initiation to Propagation Rates in Single-Site Olefin Polymerization Catalysis."*Organometallics* 31, no. 2 (2012): 602-618.
Times Cited: 4

9) Manz, Thomas A., and David S. Sholl. "Methods for computing aYearurate atomic spin moments for collinear and noncollinear magnetism in periodic and nonperiodic materials." *Journal of Chemical Theory and Computation* 7, no. 12 (2011): 4146-4164.
Times Cited: 16

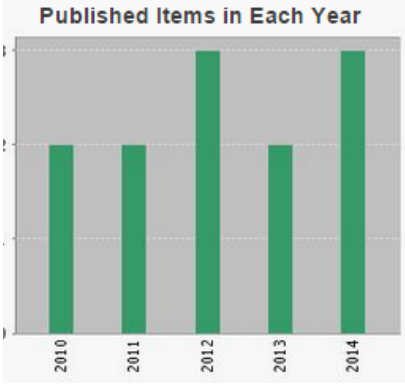
10) Watanabe, Taku, Thomas A. Manz, and David S. Sholl. "AYearurate treatment of electrostatics during molecular adsorption in nanoporous crystals without assigning point charges to framework atoms." *The Journal of Physical Chemistry C* 115, no. 11 (2011): 4824-4836.
Times Cited: 43

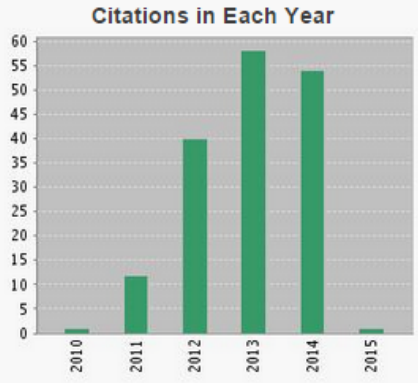
11) Manz, Thomas A., and David S. Sholl. "Chemically meaningful atomic charges that reproduce the electrostatic potential in periodic and nonperiodic materials." *Journal of Chemical Theory and Computation* 6, no. 8 (2010): 2455-2468.
Times Cited: 55

12) Manz, Thomas A., and David S. Sholl. "A dimensionless reaction coordinate for quantifying the lateness of transition states." *Journal of computational chemistry* 31, no. 7 (2010): 1528-1541.
Times Cited: 4

List of Journals:

1) JOURNAL OF PHYSICAL CHEMISTRY C
2) MOLECULAR SIMULATION
3) RSC ADVANCES
4) TOPICS IN CATALYSIS
5) JOURNAL OF COMPUTATIONAL CHEMISTRY
6) JOURNAL OF CHEMICAL THEORY AND COMPUTATION
7) PHYSICAL REVIEW B
8) ORGANOMETALLICS





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Average Citations per Item [?] :	13.83
h-index [?] :	5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	2	3	2	3	12	2.40
Citations	2	12	40	58	54	166	27.67

Title: Assistant Professor

Name: Julio A. Martinez

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 4

Number of times cited: 36

H-index: 2

List of Publications:

1) Wright, Jeremy B., Salvatore Campione, Sheng Liu, Julio A. Martinez, Huiwen Xu, Ting S. Luk, Qiming Li et al. "Distributed feedback gallium nitride nanowire lasers." *Applied Physics Letters* 104, no. 4 (2014): 041107.

Times Cited: 1

2) Martinez, Julio A., Jeong-Hyun Cho, Xiaohua Liu, Ting S. Luk, Jianyu Huang, S. T. Picraux, John P. Sullivan, and B. S. Swartzentruber. "Contribution of radial dopant concentration to the thermoelectric properties of core-shell nanowires." *Applied Physics Letters* 102, no. 10 (2013): 103101.

Times Cited: 0

3) Martinez, Julio A., Paula P. Provencio, S. T. Picraux, John P. Sullivan, and B. S. Swartzentruber. "Enhanced thermoelectric figure of merit in SiGe alloy nanowires by boundary and hole-phonon scattering." *Journal of Applied Physics* 110, no. 7 (2011): 074317.

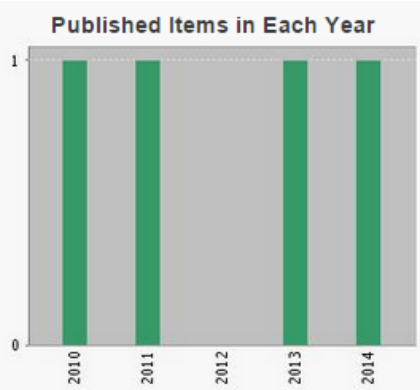
Times Cited: 12

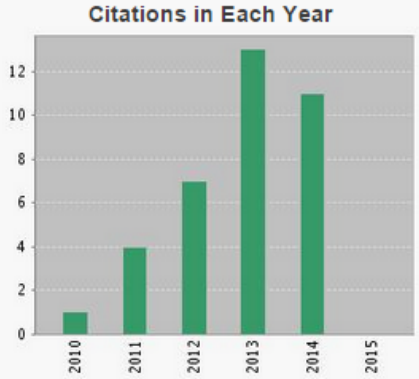
4) Huang, Shih-Chieh J., Alexander B. Artyukhin, Nipun Misra, Julio A. Martinez, Pieter A. Stroeve, Costas P. Grigoropoulos, Jiann-Wen W. Ju, and Aleksandr Noy. "Carbon nanotube transistor controlled by a biological ion pump gate." *Nano letters* 10, no. 5 (2010): 1812-1816.

Times Cited: 23

List of Journals:

1) APPLIED PHYSICS LETTERS
2) JOURNAL OF APPLIED PHYSICS
3) NANO LETTERS





Results found: 4
Sum of the Times Cited [?] : 36
Sum of Times Cited without self-citations [?] : 35
Citing Articles [?] : 36
Citing Articles without self-citations [?] : 35
Average Citations per Item [?] : 9.00
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	1	0	1	1	4	0.80
Citations	1	4	7	13	9	36	7.20

Oklahoma State University Tenure & Tenured Track Professors

Title: Professor / Department Chair

Name: Rob Whiteley

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 1

H-index: 1

List of Publications:

1) Vennavelli, Anand N., James R. Whiteley, and Michael R. Resetarits. "Predicting valve tray efficiency." *Chemical Engineering Research and Design* (2014).

Times Cited: 0

2) Sharma, Ashokkumar M., Ajay Kumar, Sundararajan Madihally, James R. Whiteley, and Raymond L. Huhnke. "Prediction of biomass-generated syngas using extents of major reactions in a continuous stirred-tank reactor."*Energy* 72 (2014): 222-232.

Times Cited: 0

3) Tamhankar, Yash S., J. R. Whiteley, M. R. Resetarits, and C. P. Aichele. "Spray Droplet Characterization Inside a Glass Column through Dense Wall Flow." *Atomization and Sprays* 24, no. 2 (2014).

Times Cited: 0

4) Vennavelli, Anand N., James R. Whiteley, and Michael R. Resetarits. "New Fraction Jetting Model for Distillation Sieve Tray Efficiency Prediction."*Industrial & Engineering Chemistry Research* 51, no. 35 (2012): 11458-11462.

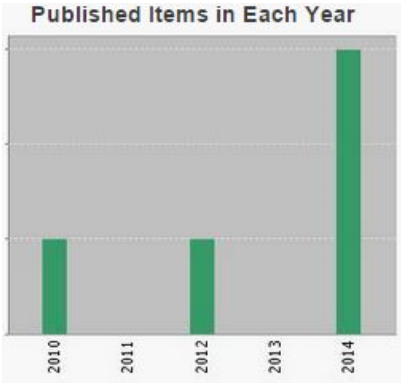
Times Cited: 1

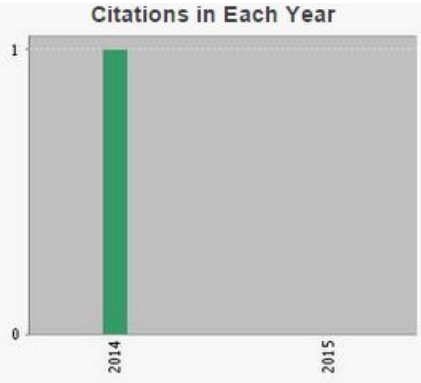
5) Deveyrac, Kay. "Potential consequences of proposed bans on ear cropping and tail docking for the miniature schnauzer gene pool." *The Canadian Veterinary Journal* 51, no. 9 (2010): 929.

Times Cited: 0

List of Journals:

1) CHEMICAL ENGINEERING RESEARCH & DESIGN
2) ENERGY
3) ATOMIZATION AND SPRAYS
4) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
5) CANADIAN VETERINARY JOURNAL-REVUE VETERINAIRE CANADIENNE





Results found: 5
Sum of the Times Cited [?] : 1
Sum of Times Cited without self-citations [?] : 1
Citing Articles [?] : 1
Citing Articles without self-citations [?] : 1
Average Citations per Item [?] : 0.20
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	1	0	3	5	1.00
Citations	0	0	0	0	1	1	0.20

Title: Professor / BP Chair

Name: Russell R. Rhinehart

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 15

Number of times cited: 69

H-index: 4

List of Publications:

1) Rhinehart, R. Russell. "Convergence criterion in optimization of stochastic processes." *Computers & Chemical Engineering* 68 (2014): 1-6.
Times Cited: 0

2) Govindarajan, Anand, Suresh Kumar Jayaraman, Vijayalakshmi Sethuraman, Pramod R. Raul, and R. Russell Rhinehart. "Cascaded process model based control: Packed absorption column application." *ISA transactions* 53, no. 2 (2014): 391-401.
Times Cited: 0

3) Manimegalai-Sridhar, Upasana, Anand Govindarajan, and R. Russell Rhinehart. "Improved initialization of players in leapfrogging optimization."*Computers & Chemical Engineering* 60 (2014): 426-429.
Times Cited: 0

4) Haas, L., M. Maryniuk, J. Beck, C. E. Cox, P. Duker, and L. Edwards. "Youssef, G.(2013). National standards for diabetes self-management education and support." *Diabetes Care* 36: S100-S108.
Times Cited: 7

5) Raul, Pramod R., Haritha Srinivasan, Sanket Kulkarni, Mazdak Shokrian, Glory Shrivastava, and R. Russell Rhinehart. "Comparison of model-based and conventional controllers on a pilot-scale heat exchanger." *ISA transactions* 52, no. 3 (2013): 391-405.
Times Cited: 1

6) Haas, Linda, Melinda Maryniuk, Joni Beck, Carla E. Cox, Paulina Duker, Laura Edwards, Edwin B. Fisher et al. "National standards for diabetes self-management education and support." *Diabetes Care* 36, no. Supplement 1 (2013): S100-S108.
Times Cited: 23

7) Haas, L., M. Maryniuk, and J. Beck. "American Diabetes Association (ADA), and the American Association of Diabetes Educators task force. National Standards for Diabetes Self-Management Education and Support." *Diabetes Care* 36 (2013).
Times Cited: 15

8) Rhinehart, R. Russell, Ming Su, and Upasana Manimegalai-Sridhar. "Leapfrogging and synoptic Leapfrogging: A new optimization approach."*Computers & Chemical Engineering* 40 (2012): 67-81.
Times Cited: 4

9) Ratakonda, Swapnika, Upasana M. Sridhar, R. Russell Rhinehart, and Sundararajan V. Madihally. "Assessing viscoelastic properties of chitosan scaffolds and validation with cyclical tests." *Acta biomaterialia* 8, no. 4 (2012): 1566-1575.

Times Cited: 6

10) Russell Rhinehart, R. "Letter to authors on publishing in ISA transactions."*ISA transactions* 51, no. 1 (2012): 2-10.

Times Cited: 0

11) Rhinehart, R. Russell, Solomon Gebreyohannes, Upasana Manimegalai Sridhar, Anirudh Patrachari, and Md S. Rahaman. "A power law approach to orifice flow rate calibration." *ISA transactions* 50, no. 2 (2011): 329-341.

Times Cited: 4

12) Rhinehart, R. Russell, Mark L. Darby, and Harold L. Wade. "Editorial—Choosing advanced control." *ISA transactions* 50, no. 1 (2011): 2-10.

Times Cited: 3

13) Su, Ming, and R. Russell Rhinehart. "A generalized TSK model with a novel rule antecedent structure: structure identification and parameter estimation."*Computers & chemical engineering* 34, no. 8 (2010): 1199-1219.

Times Cited: 2

14) Shrowti, Neha A., Kedarnath P. Vilankar, and R. Russell Rhinehart. "Type-II critical values for a steady-state identifier." *Journal of Process Control* 20, no. 7 (2010): 885-890.

Times Cited: 3

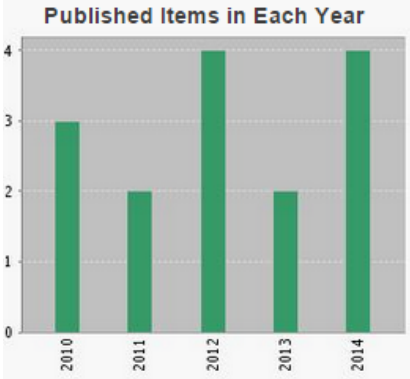
15) Muthiah, Nagappan, and R. Russell Rhinehart. "Evaluation of a statistically based controller override on a pilot-scale flow loop." *ISA transactions* 49, no. 1 (2010): 154-166.

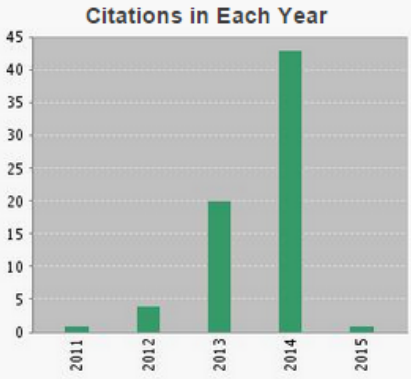
Times Cited: 0

List of Journals:

1) COMPUTERS & CHEMICAL ENGINEERING

2) ISA TRANSACTIONS
3) DIABETES CARE
4) ACTA BIOMATERIALIA
5) JOURNAL OF PROCESS CONTROL





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Sum of the Times Cited [?] : 69
Sum of Times Cited without self-citations [?] : 59
Citing Articles [?] : 62
Citing Articles without self-citations [?] : 57
Average Citations per Item [?] : 4.60
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	2	4	2	4	15	3.00
Citations	1	1	4	20	43	69	13.80

Title: Professor

Name: AJ Johannes

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 0

H-index: 0

List of Publications:

1) Podichetty, Jagdeep T., Md Waliul Islam, David Van, and Gary L. Foutch. "Viscous heating analysis of simulant feces by computational fluid dynamics and experimentation." (2013).

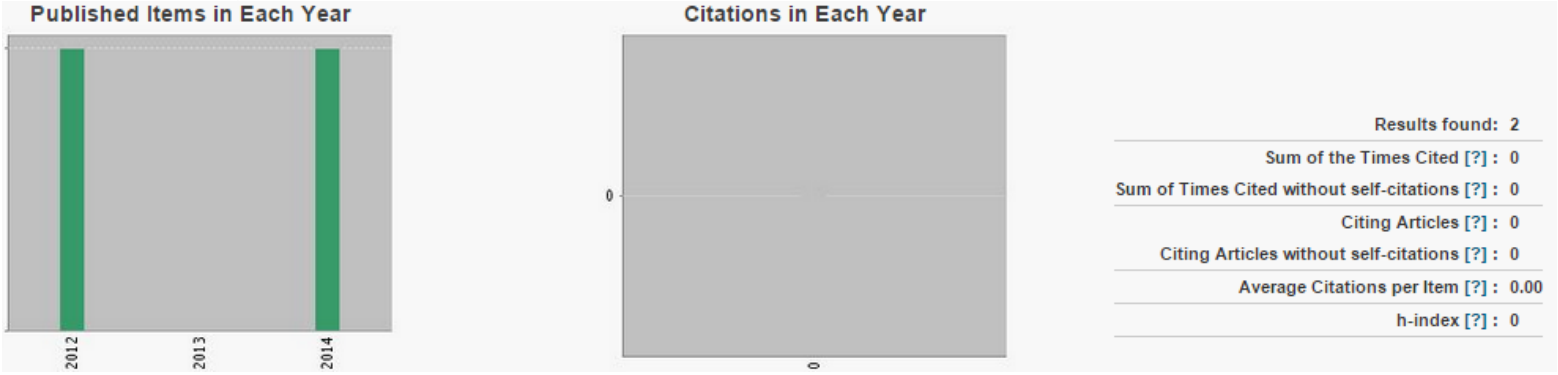
Times Cited: 0

2) Patrachari, Anirudh R., and Arland H. Johannes. "A conceptual framework to model interfacial contamination in multiproduct petroleum pipelines."*International Journal of Heat and Mass Transfer* 55, no. 17 (2012): 4613-4620.

Times Cited: 0

List of Journals:

1) JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT
2) INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	0	1	2	0.40
Citations	0	0	0	0	0	0	0

Title: Professor

Name: Karen A. High

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 48

H-index: 3

List of Publications:

1) Shokrian, Mazdak, and Karen Ann High. "Application of a multi objective multi-leader particle swarm optimization algorithm on NLP and MINLP problems." *Computers & Chemical Engineering* 60 (2014): 57-75.

Times Cited: 2

2) Shokrian, Mazdak, and Karen Ann High. "An efficient multi criteria process optimization framework: Sustainable improvement of the Dimethyl Ether Process." *Computers & Chemical Engineering* 60 (2014): 213-230.

Times Cited: 0

3) Shadiya, Olamide O., and Karen A. High. "Sustainability evaluator: Tool for evaluating process sustainability." *Environmental Progress & Sustainable Energy* 32, no. 3 (2013): 749-761.

Times Cited: 3

4) Shadiya, Olamide O., and Karen A. High. "Designing processes of chemical products for sustainability: Incorporating optimization and the sustainability evaluator." *Environmental Progress & Sustainable Energy* 32, no. 3 (2013): 762-776.

Times Cited: 0

5) Shadiya, Olamide O., Venkataraman Satish, and Karen A. High. "Process enhancement through waste minimization and multiobjective optimization."*Journal of Cleaner Production* 31 (2012): 137-149.

Times Cited: 10

6) Buchlis, George, Gregory M. Podsakoff, Antonetta Radu, Sarah M. Hawk, Alan W. Flake, Federico Mingozzi, and Katherine A. High. "Factor IX expression in skeletal muscle of a severe hemophilia B patient 10 years after AAV-mediated gene transfer." *Blood* 119, no. 13 (2012): 3038-3041.

Times Cited: 30

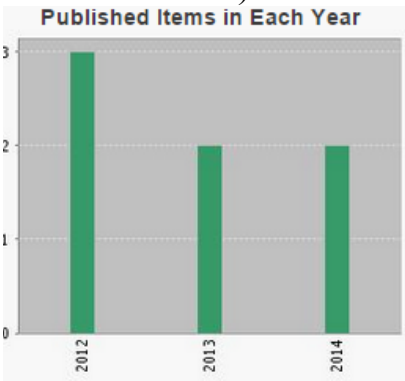
7) Fisher, Mark J., Erin A. Taylor, and Patricia L. High. "Parent-nursing student communication practice: role-play and learning outcomes." *The Journal of nursing education* 51, no. 2 (2012): 115-119.

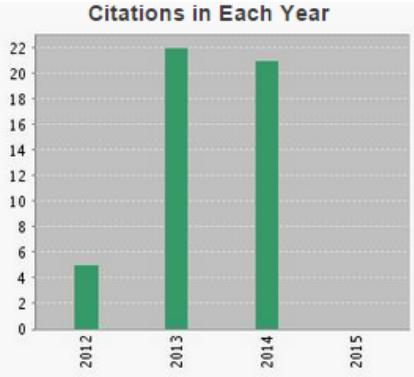
Times Cited: 3

List of Journals:

1) COMPUTERS & CHEMICAL ENGINEERING

2) ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY
3) JOURNAL OF CLEANER PRODUCTION
4) BLOOD
5) JOURNAL OF NURSING EDUCATION





Results found: 7
Sum of the Times Cited [?] : 48
Sum of Times Cited without self-citations [?] : 48
Citing Articles [?] : 48
Citing Articles without self-citations [?] : 48
Average Citations per Item [?] : 6.86
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	3	2	2	7	1.40
Citations	0	0	5	22	21	48	9.30

Title: Professor

Name: Alan Tree

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 5

H-index: 1

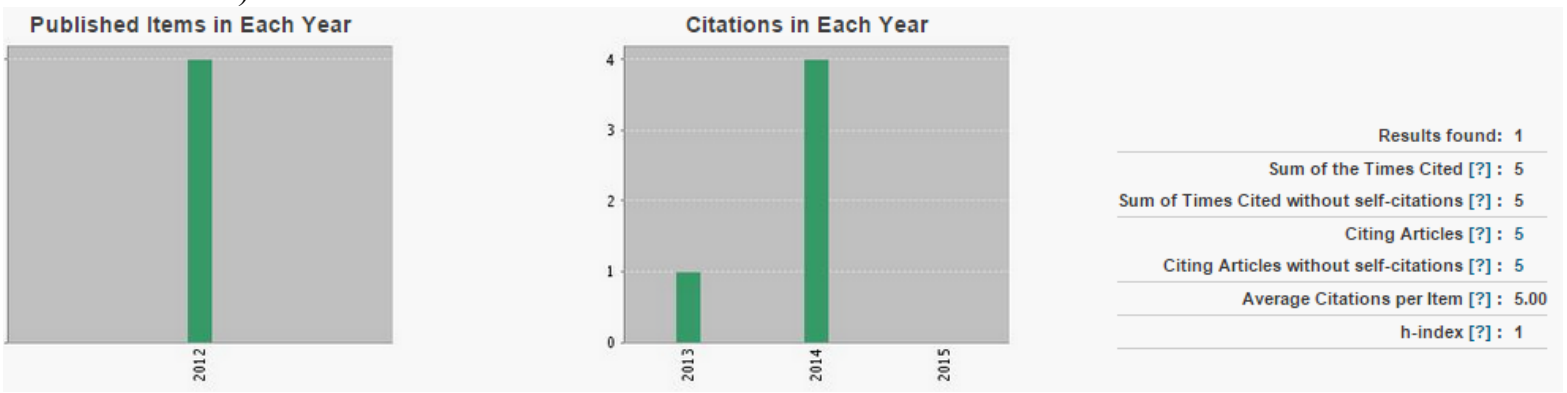
List of Publications:

1) Shi, Xinghua, Zahra Zamanipour, Jerzy S. Krasinski, Alan Tree, and Daryoosh Vashaee. "An Investigation of Electrical Contacts for Higher Manganese Silicide." *Journal of electronic materials* 41, no. 9 (2012): 2331-2337.

Times Cited: 5

List of Journals:

1) JOURNAL OF ELECTRONIC MATERIALS



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	0	0	1	0.20
Citations	0	0	0	1	4	5	0.20

Title: Associate Professor / Edward Joullian Chair in Engineering

Name: Sundararajan V. Madihally

Web of Science Author Identifier: D-9285-2012

Number of publications 2010-2014: 24

Number of times cited: 154

H-index: 9

List of Publications:

1) Sharma, Ashokkumar M., Ajay Kumar, Sundararajan Madihally, James R. Whiteley, and Raymond L. Huhnke. "Prediction of biomass-generated syngas using extents of major reactions in a continuous stirred-tank reactor."*Energy* 72 (2014): 222-232.

Times Cited: 0

2) Yazdimamaghani, Mostafa, Daryoosh Vashaee, Senait Assefa, Mitra Shabrangharehdasht, Armin Tahmasbi Rad, Margaret A. Eastman, Kenneth J. Walker, Sundar V. Madihally, Gerwald A. Köhler, and Lobat Tayebi. "Green synthesis of a new gelatin-based antimicrobial scaffold for tissue engineering." *Materials Science and Engineering: C* 39 (2014): 235-244.

Times Cited: 0

3) Podichetty, Jagdeep T., Prasana R. Bhaskar, Abdurizzagh Khalf, and Sundararajan V. Madihally. "Modeling Pressure Drop Using Generalized Scaffold Characteristics in an Axial-Flow Bioreactor for Soft Tissue Regeneration." *Annals of biomedical engineering* 42, no. 6 (2014): 1319-1330.

Times Cited: 0

4) Yazdimamaghani, M., D. Vashaee, S. Assefa, K. J. Walker, S. V. Madihally, G. A. Köhler, and L. Tayebi. "Hybrid macroporous gelatin/bioactive-glass/nanosilver scaffolds with controlled degradation behavior and antimicrobial activity for bone tissue engineering." *Journal of biomedical nanotechnology* 10, no. 6 (2014): 911-931.

Times Cited: 11

5) Podichetty, Jagdeep T., and Sundararajan V. Madihally. "Modeling of porous scaffold deformation induced by medium perfusion." *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 102, no. 4 (2014): 737-748.

Times Cited: 2

6) Lin, Hsueh-Kung, Shirley Yezdi Godiwalla, Blake Palmer, Dominic Frimberger, Qing Yang, Sundar V. Madihally, Kar-Ming Fung, and Bradley P. Kropp. "Understanding Roles of Porcine Small Intestinal Submucosa in Urinary Bladder Regeneration: Identification of Variable Regenerative Characteristics of Small Intestinal Submucosa." *Tissue Engineering Part B: Reviews* 20, no. 1 (2013): 73-83.

Times Cited: 0

7) Shahini, Aref, Mostafa Yazdimamaghani, Kenneth J. Walker, Margaret A. Eastman, Hamed Hatami-Marbini, Brenda J. Smith, John L. RiYeari, Sundar V. Madihally, Daryoosh Vashaee, and

Lobat Tayebi. "3D conductive nanocomposite scaffold for bone tissue engineering." *International journal of nanomedicine* 9 (2014): 167.
Times Cited: 9

8) Sethuraman, Vijayalakshmi, Kornkarn Makornkaewkeyoon, Abdurizzagh Khalf, and Sundararajan V. Madihally. "Influence of scaffold forming techniques on stress relaxation behavior of polycaprolactone scaffolds."*Journal of Applied Polymer Science* 130, no. 6 (2013): 4237-4244.
Times Cited: 2

9) Pok, Seokwon, Dhananjay V. Dhane, and Sundararajan V. Madihally. "Computational simulation modelling of bioreactor configurations for regenerating human bladder." *Computer methods in biomechanics and biomedical engineering* 16, no. 8 (2013): 840-851.
Times Cited: 3

10) Salahinejad, E., M. J. Hadianfard, D. D. Macdonald, M. Mozafari, K. J. Walker, A. Tahmasbi Rad, S. V. Madihally, D. Vashaee, and L. Tayebi. "Surface Modification of Stainless Steel Orthopedic Implants by Sol–Gel ZrTiO4 and ZrTiO4–PMMA Coatings." *Journal of biomedical nanotechnology*9, no. 8 (2013): 1327-1335.
Times Cited: 13

11) Hong, Jong Kyu, Guan Xu, Daqing Piao, and Sundararajan V. Madihally. "Analysis of void shape and size in the collector plate and polycaprolactone molecular weight on electrospun scaffold pore size." *Journal of Applied Polymer Science* 128, no. 3 (2013): 1583-1591.
Times Cited: 4

12) Salahinejad, Erfan, Mohammad Jafar Hadianfard, Digby Donald Macdonald, Samin Sharifi-Asl, Masoud Mozafari, Kenneth J. Walker, Armin Tahmasbi Rad, Sundararajan V. Madihally, and Lobat Tayebi. "In vitro electrochemical corrosion and cell viability studies on nickel-free stainless steel orthopedic implants." *PloS one* 8, no. 4 (2013): e61633.
Times Cited: 5

13) Pok, Seokwon, Jackson D. Myers, Sundararajan V. Madihally, and Jeffrey G. Jacot. "A multilayered scaffold of a chitosan and gelatin hydrogel supported by a PCL core for cardiac tissue engineering." *Acta biomaterialia* 9, no. 3 (2013): 5630-5642.
Times Cited: 18

14) Patrachari, Anirudh R., Jagdeep T. Podichetty, and Sundararajan V. Madihally. "Application of computational fluid dynamics in tissue engineering." *Journal of bioscience and bioengineering* 114, no. 2 (2012): 123-132.
Times Cited: 2

15) Podichetty, Jagdeep T., Dhananjay V. Dhane, and Sundararajan V. Madihally. "Dynamics of diffusivity and pressure drop in flow-through and parallel-flow bioreactors during tissue regeneration." *Biotechnology progress* 28, no. 4 (2012): 1045-1054.
Times Cited: 3

16) Iyer, Pooja, Kenneth J. Walker, and Sundararajan V. Madihally. "Increased matrix synthesis by fibroblasts with decreased proliferation on synthetic chitosan–gelatin porous structures." *Biotechnology and bioengineering* 109, no. 5 (2012): 1314-1325.
Times Cited: 9

17) Golla, Sharath, Brian J. Neely, Eric Whitebay, Sundar Madihally, Robert L. Robinson, and Khaled AM Gasem. "Virtual design of chemical penetration enhancers for transdermal drug delivery." *Chemical biology & drug design*79, no. 4 (2012): 478-487.
Times Cited: 3

18) Ratakonda, Swapnika, Upasana M. Sridhar, R. Russell Rhinehart, and Sundararajan V. Madihally. "Assessing viscoelastic properties of chitosan scaffolds and validation with cyclical tests." *Acta biomaterialia* 8, no. 4 (2012): 1566-1575.
Times Cited: 6

19) Roth, Christopher C., Fadee G. Mondalek, Yusuf Kibar, Richard A. Ashley, Cardin H. Bell, John A. Califano, Sundar V. Madihally, Dominic Frimberger, Hsueh-Kung Lin, and Bradley P. Kropp. "Bladder regeneration in a canine model using hyaluronic acid-poly (lactic-co-glycolic-acid) nanoparticle modified porcine small intestinal submucosa." *BJU international* 108, no. 1 (2011): 148-155.
Times Cited: 9

20) Hong, Jong Kyu, and Sundararajan V. Madihally. "Next generation of electrosprayed fibers for tissue regeneration." *Tissue Engineering Part B: Reviews* 17, no. 2 (2011): 125-142.
Times Cited: 12

21) Hong, Jong Kyu, and Sundararajan V. Madihally. "Three-dimensional scaffold of electrosprayed fibers with large pore size for tissue regeneration."*Acta biomaterialia* 6, no. 12 (2010): 4734-4742.
Times Cited: 17

22) Yerramsetty, K. M., V. K. Rachakonda, B. J. Neely, S. V. Madihally, and K. A. M. Gasem. "Effect of different enhancers on the transdermal permeation of insulin analog." *International journal of pharmaceutics* 398, no. 1 (2010): 83-92.
Times Cited: 6

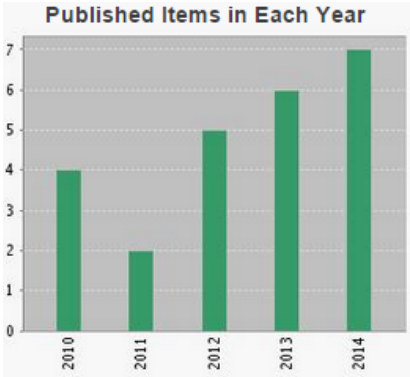
23) Yerramsetty, K. M., B. J. Neely, S. V. Madihally, and K. A. M. Gasem. "A skin permeability model of insulin in the presence of chemical penetration enhancer." *International journal of pharmaceutics* 388, no. 1 (2010): 13-23.
Times Cited: 8

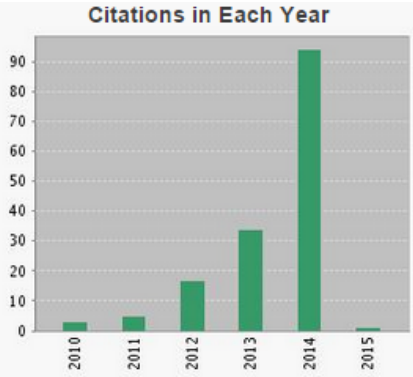
24) Pok, Seok Won, Kristin N. Wallace, and Sundararajan V. Madihally. "In vitro characterization of polycaprolactone matrices generated in aqueous media."*Acta biomaterialia* 6, no. 3 (2010): 1061-1068.
Times Cited: 12

List of Journals:

1) ENERGY
2) MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS
3) ANNALS OF BIOMEDICAL ENGINEERING
4) JOURNAL OF BIOMEDICAL NANOTECHNOLOGY
5) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS
6) INTERNATIONAL JOURNAL OF NANOMEDICINE

7) JOURNAL OF APPLIED POLYMER SCIENCE
8) COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING
9) JOURNAL OF BIOMEDICAL NANOTECHNOLOGY
10) JOURNAL OF APPLIED POLYMER SCIENCE
11) PLOS ONE
12) ACTA BIOMATERIALIA
13) JOURNAL OF BIOSCIENCE AND BIOENGINEERING
14) BIOTECHNOLOGY PROGRESS
15) BIOTECHNOLOGY AND BIOENGINEERING
16) CHEMICAL BIOLOGY & DRUG DESIGN
17) BJU INTERNATIONAL
18) TISSUE ENGINEERING PART B-REVIEWS
19) INTERNATIONAL JOURNAL OF PHARMACEUTICS





Results found: 24
Sum of the Times Cited [?] : 154
Sum of Times Cited without self-citations [?] : 120
Citing Articles [?] : 113
Citing Articles without self-citations [?] : 99
Average Citations per Item [?] : 6.42
h-index [?] : 9

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	2	5	6	7	24	4.80
Citations	4	5	17	34	94	154	25.67

Title: Associate Professor

Name: Heather Gappa-Fahlenkamp

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 2

H-index: 1

List of Publications:

1) Leemasawatdigul, Krisada, and Heather Gappa-Fahlenkamp. "Development of a mathematical model to describe the transport of monocyte chemoattractant protein-1 through a three-dimensional collagen matrix."*Cardiovascular Pathology* 21, no. 3 (2012): 219-228.

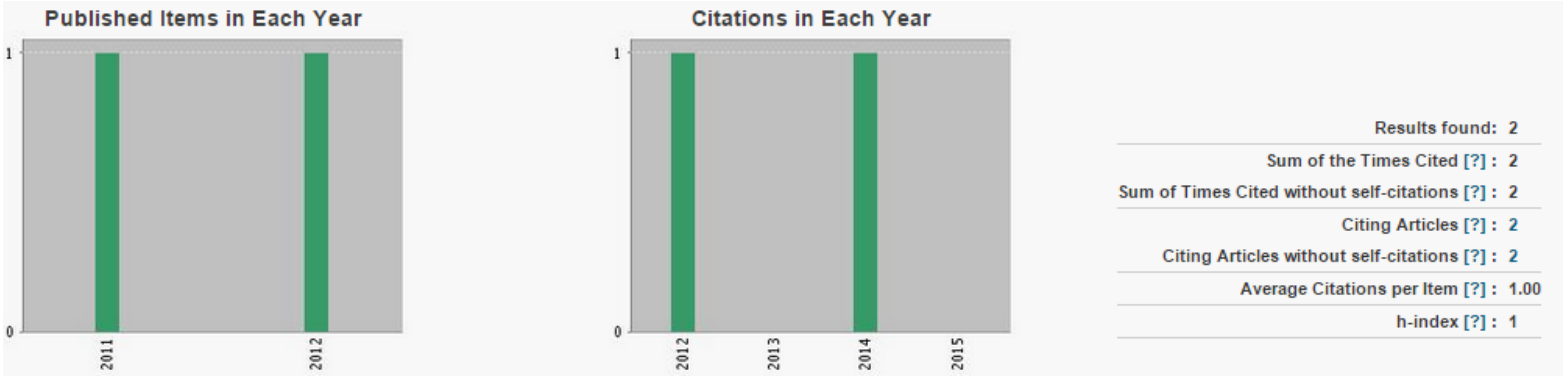
Times Cited: 0

2) Leemasawatdigul, Krisada, and Heather Gappa-Fahlenkamp. "Effect of storage conditions on the stability of recombinant human MCP-1/YEARL2."*Biologicals* 39, no. 1 (2011): 29-32.

Times Cited: 2

List of Journals:

1) CARDIOVASCULAR PATHOLOGY
2) BIOLOGICALS



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	1	0	0	2	0.40
Citations	0	0	1	0	1	2	0.40

Title: Associate Professor

Name: Josh Ramsey

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 66

H-index: 2

List of Publications:

1) Kupgan, Grit, Danielle C. Hentges, Nathan J. Muschinske, William D. Picking, Wendy L. Picking, and Joshua D. Ramsey. "The Effect of Fiber Truncations on the Stability of Adenovirus Type 5." *Molecular biotechnology* 56, no. 11 (2014): 979-991.

Times Cited: 0

2) Vupputuri, Sravanthi, Shishir Karode, Brian J. Neely, and Joshua D. Ramsey. "Protein impurities from cell culture dramatically impact transduction efficiency of polymer/virus hybrid vectors." *Journal of virological methods*192, no. 1 (2013): 1-11.

Times Cited: 0

3) Whitebay, E. A., KAM Gasem, B. J. Neely, and J. D. Ramsey. "In Silico Prediction of Mechanism of Action for Cancer Therapeutics." *Molecular Informatics* 32, no. 8 (2013): 735-741.

Times Cited: 0

4) Choudhari, Shyamal P., Kirk P. Pendleton, Joshua D. Ramsey, Thomas G. Blanchard, and William D. Picking. "A systematic approach toward stabilization of CagL, a protein antigen from Helicobacter pylori that is a candidate subunit vaYearine." *Journal of pharmaceutical sciences* 102, no. 8 (2013): 2508-2519.

Times Cited: 2

5) Singarapu, Kumar, Ivy Pal, and Joshua D. Ramsey. "Polyethylene glycol–grafted polyethylenimine used to enhance adenovirus gene delivery."*Journal of Biomedical Materials Research Part A* 101, no. 7 (2013): 1857-1864.

Times Cited: 2

6) Nigatu, Adane S., Sravanthi Vupputuri, Nicholas Flynn, Brian J. Neely, and Joshua D. Ramsey. "Evaluation of cell-penetrating peptide/adenovirus particles for transduction of CAR-negative cells." *Journal of pharmaceutical sciences* 102, no. 6 (2013): 1981-1993.

Times Cited: 1

7) Pal, Ivy, and Joshua D. Ramsey. "The role of the lymphatic system in vaYearine trafficking and immune response." *Advanced drug delivery reviews* 63, no. 10 (2011): 909-922.

Times Cited: 8

8) Ramsey, Jason Allan. "Development of a method for fabricating polypropylene non-articulated dorsiflexion assist ankle foot orthoses with predetermined stiffness." *Prosthetics and orthotics international* 35, no. 1 (2011): 54-69.

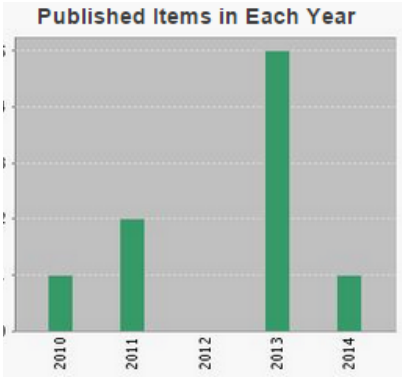
Times Cited: 0

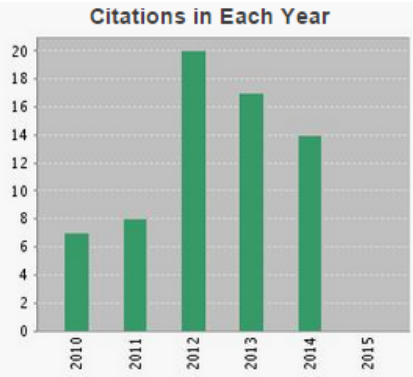
9) Ramsey, John S., Dean S. Rider, Thomas K. Walsh, Martin De Vos, K. H. J. Gordon, L. Ponnala, S. L. Macmil, B. A. Roe, and Georg Jander. "Comparative analysis of detoxification enzymes in Acyrthosiphon pisum and Myzus persicae." *Insect Molecular Biology* 19, no. s2 (2010): 155-164.

Times Cited: 53

List of Journals:

1) MOLECULAR BIOTECHNOLOGY
2) JOURNAL OF VIROLOGICAL METHODS
3) MOLECULAR INFORMATICS
4) JOURNAL OF PHARMACEUTICAL SCIENCES
5) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A
6) ADVANCED DRUG DELIVERY REVIEWS
7) PROSTHETICS AND ORTHOTICS INTERNATIONAL
8) INSECT MOLECULAR BIOLOGY





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h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	2	0	5	1	9	1.80
Citations	7	8	20	17	14	66	13.20

Title: Associate Professor

Name: Jindal Shah

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 12

Number of times cited: 144

H-index: 7

List of Publications:

1) Hazelbaker, Eric David, Samir Budhathoki, Han Wang, Jindal K. Shah, Edward J. Maginn, and Sergey Vasenkov. "Relationship between Diffusion and Chemical Exchange in Mixtures of Carbon Dioxide and an Amine-Functionalized Ionic Liquid by High Field NMR and Kinetic Monte Carlo Simulations." *The Journal of Physical Chemistry Letters* (2014).

Times Cited: 0

2) Yoo, Brian, Jindal K. Shah, Yingxi Zhu, and Edward J. Maginn. "Amphiphilic interactions of ionic liquids with lipid biomembranes: a molecular simulation study." *Soft matter* 10, no. 43 (2014): 8641-8651.

Times Cited: 1

3) Yee, Patrick, Jindal K. Shah, and Edward J. Maginn. "State of hydrophobic and hydrophilic ionic liquids in aqueous solutions: are the ions fully dissociated?." *The Journal of Physical Chemistry B* 117, no. 41 (2013): 12556-12566.

Times Cited: 7

4) Paluch, Andrew S., Cameron A. Vitter, Jindal K. Shah, and Edward J. Maginn. "A comparison of the solvation thermodynamics of amino acid analogues in water, 1-octanol and 1-n-alkyl-3-methylimidazolium bis (trifluoromethylsulfonyl) imide ionic liquids by molecular simulation." *The Journal of chemical physics* 137, no. 18 (2012): 184504.

Times Cited: 1

5) Hazelbaker, Eric D., Samir Budhathoki, Aakanksha Katihar, Jindal K. Shah, Edward J. Maginn, and Sergey Vasenkov. "Combined Application of High-Field Diffusion NMR and Molecular Dynamics Simulations To Study Dynamics in a Mixture of Carbon Dioxide and an Imidazolium-Based Ionic Liquid." *The Journal of Physical Chemistry B* 116, no. 30 (2012): 9141-9151.

Times Cited: 10

6) Shah, Jindal K., and Edward J. Maginn. "A general and efficient Monte Carlo method for sampling intramolecular degrees of freedom of branched and cyclic molecules." *The Journal of chemical physics* 135, no. 13 (2011): 134121.

Times Cited: 5

7) Wu, Hao, Jindal K. Shah, Craig M. Tenney, Thomas W. Rosch, and Edward J. Maginn. "Structure and dynamics of neat and CO2-reacted ionic liquid tetrabutylphosphonium 2-cyanopyrrolide." *Industrial & Engineering Chemistry Research* 50, no. 15 (2011): 8983-8993.

Times Cited: 16

8) Paluch, Andrew S., Jindal K. Shah, and Edward J. Maginn. "Efficient solvation free energy calculations of amino acid analogs by expanded ensemble molecular simulation." *Journal of Chemical Theory and Computation* 7, no. 5 (2011): 1394-1403.
Times Cited: 13

9) Merchant, Safir, Jindal K. Shah, and D. Asthagiri. "Water coordination structures and the excess free energy of the liquid." *The Journal of chemical physics* 134, no. 12 (2011): 124514.
Times Cited: 4

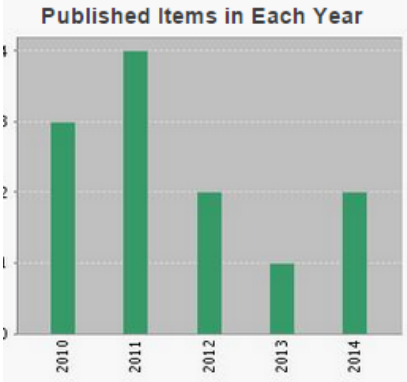
10) Paluch, Andrew S., Saivenkataraman Jayaraman, Jindal K. Shah, and Edward J. Maginn. "A method for computing the solubility limit of solids: Application to sodium chloride in water and alcohols." *The Journal of chemical physics* 133, no. 12 (2010): 124504.
Times Cited: 17

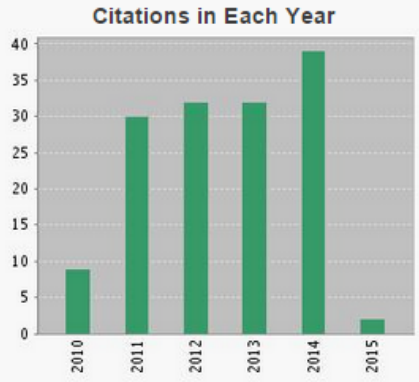
11) Shah, Jindal K., and Edward J. Maginn. "Molecular dynamics investigation of biomimetic ionic liquids." *Fluid Phase Equilibria* 294, no. 1 (2010): 197-205.
Times Cited: 10

12) Freire, Mara G., Catarina MSS Neves, Artur MS Silva, Luís MNBF Santos, Isabel M. Marrucho, Luis PN Rebelo, Jindal K. Shah, Edward J. Maginn, and Joao AP Coutinho. "1H NMR and molecular dynamics evidence for an unexpected interaction on the origin of salting-in/salting-out phenomena." *The Journal of Physical Chemistry B* 114, no. 5 (2010): 2004-2014.
Times Cited: 60

List of Journals:

1) JOURNAL OF PHYSICAL CHEMISTRY LETTERS
2) SOFT MATTER
3) JOURNAL OF PHYSICAL CHEMISTRY B
4) JOURNAL OF CHEMICAL PHYSICS
5) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
6) JOURNAL OF CHEMICAL THEORY AND COMPUTATION
7) FLUID PHASE EQUILIBRIA





Results found:	12
Sum of the Times Cited [?] :	144
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Citing Articles [?] :	138
Citing Articles without self-citations [?] :	134
Average Citations per Item [?] :	12.00
h-index [?] :	7

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	4	2	1	2	12	2.40
Citations	11	30	32	32	39	144	28.80

Kansas State University Tenure & Tenured Track Professors

Title: Professor / Department Chair

Name: James H. Edgar

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 30

Number of times cited: 125

H-index: 5

List of Publications:

1) Wei, Daming, James H. Edgar, Dayrl P. Briggs, Scott T. Retterer, Bernadeta Srijanto, Dale K. Hensley, and Harry M. Meyer III. "Atomic layer deposition TiO2–Al2O3 stack: An improved gate dielectric on Ga-polar GaN metal oxide semiconductor capacitors." *Journal of Vacuum Science & Technology B* 32, no. 6 (2014): 060602.

Times Cited: 0

2) Edgar, James H., T. B. Hoffman, B. Clubine, M. Currie, X. Z. Du, J. Y. Lin, and H. X. Jiang. "Characterization of bulk hexagonal boron nitride single crystals grown by the metal flux technique." *Journal of Crystal Growth* 403 (2014): 110-113.

Times Cited: 0

3) Aaltonen, T., G. Sajot, J. Stark, S. Greder, F. Miconi, I. Ripp-Baudot, G. Grenier et al. "Observation of s-channel production of single top quarks at the Tevatron." (2014).

Times Cited: 1

4) Aaltonen, T., S. Amerio, D. Amidei, A. Anastassov, A. Annovi, J. Antos, G. Apollinari et al. "Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution." *Physical Review D* 89, no. 9 (2014): 091101.

Times Cited: 1

5) Hoffman, T. B., B. Clubine, Y. Zhang, K. Snow, and J. H. Edgar. "Optimization of Ni–Cr flux growth for hexagonal boron nitride single crystals." *Journal of Crystal Growth* 393 (2014): 114-118.

Times Cited: 2

6) Aaltonen, T., V. M. Abazov, B. Abbott, B. S. Acharya, M. Adams, T. Adams, J. P. Agnew et al. "Combination of measurements of the top-quark pair production cross section from the Tevatron Collider." *Physical Review D* 89, no. 7 (2014): 072001.

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7) Du, X. Z., C. D. Frye, J. H. Edgar, J. Y. Lin, and H. X. Jiang. "Temperature dependence of the energy bandgap of two-dimensional hexagonal boron nitride probed by excitonic photoluminescence." *Journal of Applied Physics*115, no. 5 (2014): 053503.

Times Cited: 0

8) Wei, D., T. Hossain, D. P. Briggs, and J. H. Edgar. "A Comparison of N-Polar () GaN Surface Preparations for the Atomic Layer Deposition of Al2O3." *ECS Journal of Solid State Science and Technology* 3, no. 10 (2014): N127-N131.

Times Cited: 1

9) Le Godec, Y., M. Mezouar, O. O. Kurakevych, P. Munsch, U. Nwagwu, J. H. Edgar, and V. L. Solozhenko. "Equation of state of single-crystal cubic boron phosphide." *Journal of Superhard Materials* 36, no. 1 (2014): 61-64.

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10) Cao, X. K., B. Clubine, J. H. Edgar, J. Y. Lin, and H. X. Jiang. "Two-dimensional excitons in three-dimensional hexagonal boron nitride."*Applied Physics Letters* 103, no. 19 (2013): 191106.

Times Cited: 4

11) Aaltonen, T., V. M. Abazov, B. Abbott, B. S. Acharya, M. Adams, T. Adams, J. P. Agnew et al. "Combination of CDF and D0 W-Boson mass measurements."*Physical Review D* 88, no. 5 (2013): 052018.

Times Cited: 9

12) Aaltonen, T., V. M. Abazov, B. Abbott, B. S. Acharya, M. Adams, T. Adams, J. P. Agnew et al. "Higgs boson studies at the Tevatron." *Physical Review D* 88, no. 5 (2013): 052014.

Times Cited: 28

13) D. Frye, Clint, J. H. Edgar, Isao Ohkubo, and Takao Mori. "Seebeck Coefficient and Electrical Resistivity of Single Crystal B12As2 at High Temperatures." *Journal of the Physical Society of Japan* 82, no. 9 (2013).

Times Cited: 0

14) Whiteley, C. E., M. J. Kirkham, and H. J. Edgar. “The coefficients of thermal expansion of boron arsenide(b12As2) between 25 C and 850 C.” *Journal of Physics and Chemistry of Solids* 74, no. 5 (2013): 673-676.

Times Cited: 1

15) Wei, Daming, T. Hossain, N. Y. Garces, N. Nepal, H. M. Meyer, Melanie J. Kirkham, C. R. Eddy, and James H. Edgar. "Influence of Atomic Layer Deposition Temperatures on TiO2/n-Si MOS Capacitor." *ECS Journal of Solid State Science and Technology* 2, no. 5 (2013): N110-N114.

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16) Nyakiti, L. O., R. G. Lee, Z. Gu, J. H. Edgar, and J. Chaudhuri. "Polarity determination of rough and smooth surface grains in AlN crystals." *Crystal Research and Technology* 47, no. 11 (2012): 1134-1139.

Times Cited: 0

17) Zhang, yu, Hui Chen, Michael Dudley, Yi Zhang, J. H. Edgar, Yinyan Gong, Silvia Bakalova et. Al. “Growth mechanisms and defect structures of B12As2 epilayers grown on 4 H-SiC substrates.” *Journal of Crystal Growth* 352, no. 1 (2012): 3-8.

Times Cited: 0

18) Klein, P. B., Ugochukwu Nwagwu, J. H. Edgar, and J. A. Freitas Jr. "Photoluminescence investigation of the indirect band gap and shallow impurities in icosahedral B12As2." *Journal of Applied Physics* 112, no. 1 (2012): 013508.

Times Cited: 2

19) Muscle Study Group. "A randomized, pilot trial of etanercept in dermatomyositis." *Annals of neurology* 70, no. 3 (2011): 427.
Times Cited: 34

20) Whiteley, C. E., Y. Zhang, Y. Gong, S. Bakalova, A. Mayo, J. H. Edgar, and M. Kuball. "Semiconducting icosahedral boron arsenide crystal growth for neutron detection." *Journal of Crystal Growth* 318, no. 1 (2011): 553-557.
Times Cited: 5

21) Wu, Jianzhe, Hongyang Zhu, Dongbin Hou, Cheng Ji, C. E. Whiteley, J. H. Edgar, and Yanzhang Ma. "High pressure X-ray diffraction study on icosahedral boron arsenide (B12As2)." *Journal of Physics and Chemistry of Solids* 72, no. 2 (2011): 144-146.
Times Cited: 2

22) Nyakiti, L. O., J. Chaudhuri, Z. Gu, and J. H. Edgar. "Transmission electron microscopy study of defects in AlN crystals with rough and smooth surface grains." *Journal of Crystal Growth* 312, no. 23 (2010): 3479-3484.
Times Cited: 2

23) Gong, Y., Y. Zhang, M. Dudley, J. H. Edgar, P. J. Heard, and M. Kuball. "Thermal conductivity and Seebeck coefficients of icosahedral boron arsenide films on silicon carbide." *Journal of Applied Physics* 108, no. 8 (2010): 084906.
Times Cited: 2

24) Bakalova, S., Y. Gong, C. Cobet, N. Esser, Y. Zhang, J. H. Edgar, M. Dudley, and M. Kuball. "Electronic excitations in B12As2 and their temperature dependence by vacuum ultraviolet ellipsometry." *Journal of Physics: Condensed Matter* 22, no. 39 (2010): 395801.
Times Cited: 1

25) Du, Li, J. H. Edgar, Roberta A. Peascoe-Meisner, Yinyan Gong, Silvia Bakalova, and Martin Kuball. "Sublimation crystal growth of yttrium nitride."*Journal of Crystal Growth* 312, no. 20 (2010): 2896-2903.
Times Cited: 3

26) Li, Feng, Evgeniy Shishkin, Michael A. Mastro, Jennifer K. Hite, Charles R. Eddy Jr, J. H. Edgar, and Takashi Ito. "Photopolymerization of Self-Assembled Monolayers of Diacetylenic Alkylphosphonic Acids on Group-III Nitride Substrates." *Langmuir* 26, no. 13 (2010): 10725-10730.
Times Cited: 4

27) Zhang, yu, Hui Chen, Gloria Choi, Balaji Raghothamachar, Michael Dudley, James H. Edgar et. Al. "Nucleation Mechanism of 6H-SiC Polytype Inclusions Inside 15R-SiC Crystals." *Journal of Electronic Materials* 39, no. 6 (2010): 799-804.
Times Cited: 1

28) Gong, Y., M. Tapajna, S. Bakalova, Y. Zhang, James H. Edgar, M. Dudley, Margaret Hopkins, and M. Kuball. "Demonstration of boron arsenide heterojunctions: A radiation hard wide band gap semiconductor device."*Applied physics letters* 96, no. 22 (2010): 223506-223506.
Times Cited: 5

29) Bakalova, S., Y. Gong, C. Cobet, N. Esser, Y. Zhang, J. H. Edgar, M. Dudley, and M. Kuball. "Energy band structure and optical response function of icosahedral B 12 As 2: A spectroscopic ellipsometry and first-principles calculational study." *Physical Review B* 81, no. 7 (2010): 075114.

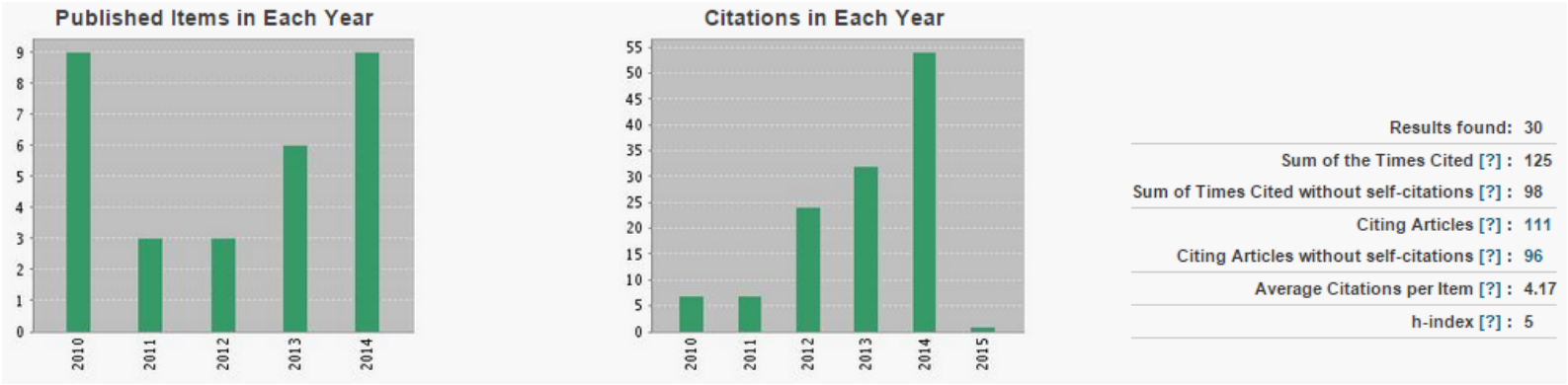
Times Cited: 10

30) Du, Li, James H. Edgar, Edward A. Kenik, and Harry Meyer III. "Sublimation growth of titanium nitride crystals." *Journal of Materials Science: Materials in Electronics* 21, no. 1 (2010): 78-87.

Times Cited: 2

List of Journals:

1) JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B
2) JOURNAL OF CRYSTAL GROWTH
3) PHYSICAL REVIEW LETTERS
4) PHYSICAL REVIEW D
5) JOURNAL OF APPLIED PHYSICS
6) ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY
7) APPLIED PHYSICS LETTERS
8) JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN
9) JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS
10) CRYSTAL RESEARCH AND TECHNOLOGY
11) ANNALS OF NEUROLOGY
12) JOURNAL OF APPLIED PHYSICS
13) JOURNAL OF PHYSICS-CONDENSED MATTER
14) LANGMUIR
15) JOURNAL OF ELECTRONIC MATERIALS
16) APPLIED PHYSICS LETTERS
17) PHYSICAL REVIEW B
18) JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS



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Publications	9	3	3	6	9	30	6.00
Citations	8	7	24	32	54	125	20.83

Title: Professor

Name: Larry E. Erickson

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 6

H-index: 2

List of Publications:

1) Santharam, S., L. C. Davis, and L. E. Erickson. "Biodegradation of carbon tetrachloride in simulated groundwater flow channels." *Environmental Progress & Sustainable Energy* 33, no. 2 (2014): 444-453.

Times Cited: 0

2) Pidlisnyuk, Valentina, Tetyana Stefanovska, Edwin E. Lewis, Larry E. Erickson, and Lawrence C. Davis. "Miscanthus as a Productive Biofuel Crop for Phytoremediation." *Critical Reviews in Plant Sciences* 33, no. 1 (2014): 1-19.

Times Cited: 0

3) Osiriphun, Sukhuntha, Pravate Tuitemwong, Woranut Koetsinchai, Kooranaee Tuitemwong, and Larry E. Erickson. "Model of inactivation of Campylobacter jejuni in poultry scalding." *Journal of Food Engineering*110, no. 1 (2012): 38-43.

Times: 2

4) Karthikeyan, R., P. A. Kulakow, B. A. Leven, and L. E. Erickson. "Remediation of vehicle wash sediments contaminated with hydrocarbons: A field demonstration." *Environmental Progress & Sustainable Energy* 31, no. 1 (2012): 139-146.

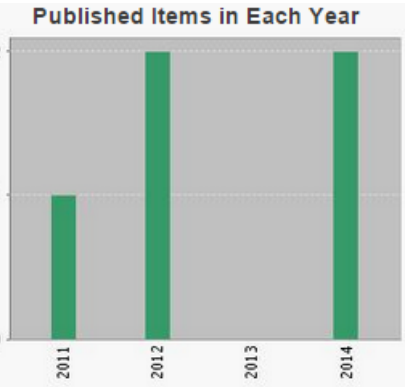
Times Cited: 1

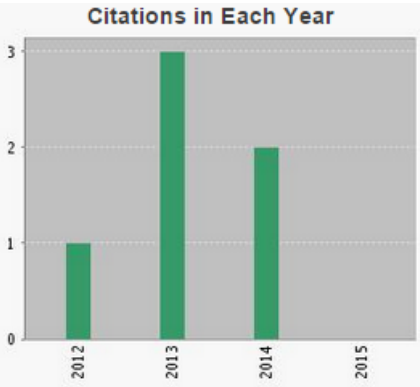
5) Osiriphun, S., P. Iamtaweejaloen, P. Kooprasertying, W. Koetsinchai, K. Tuitemwong, L. E. Erickson, and P. Tuitemwong. "Exposure assessment and process sensitivity analysis of the contamination of Campylobacter in poultry products." *Poultry science* 90, no. 7 (2011): 1562-1573.

Times Cited: 3

List of Journals:

1) ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY
2) CRITICAL REVIEWS IN PLANT SCIENCES
3) JOURNAL OF FOOD ENGINEERING
4) POULTRY SCIENCE





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Average Citations per Item [?] : 1.20
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	2	0	2	5	1.00
Citations	0	0	1	3	2	6	1.20

Title: Professor

Name: Larry A. Glasgow

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 16

H-index: 3

List of Publications:

1) Brown, David L., Benjamin C. Bolender, Laszlo J. Kulcsar, Nina Glasgow, and Scott Sanders. "Intercounty Variability of Net Migration at Older Ages as a Path-Dependent Process." *Rural Sociology* 76, no. 1 (2011): 44-73.

Times Cited: 5

2) Estabrooks, Paul A., Russ E. Glasgow, Stan Xu, David A. Dzewaltowski, RebeYeara E. Lee, Deborah Thomas, Fabio A. Almeida, Amy N. Thayer, and Renae L. Smith-Ray. "Building a multiple modality, theory-based physical activity intervention: The development of Cardi ACTION." *Psychology of sport and exercise* 12, no. 1 (2011): 46-53.

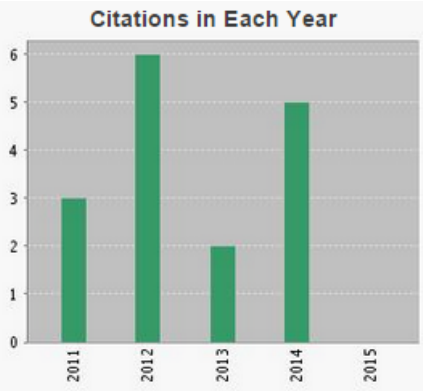
Times Cited:

3) Zhang, N., Z. Charlie Zheng, L. Glasgow, and B. Braley. "Simulation of particle deposition at the bottom surface in a room-scale chamber with particle injection." *Advanced Powder Technology* 21, no. 3 (2010): 256-267.

Times Cited: 7

List of Journals:

1) RURAL SOCIOLOGY
2) PSYCHOLOGY OF SPORT AND EXERCISE
3) ADVANCED POWDER TECHNOLOGY



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h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
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Citations	0	3	6	2	5	16	3.20

Title: Professor

Name: Keith L. Hohn

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 15

Number of times cited: 70

H-index: 5

List of Publications:

1) Lin, Yu-Chuan, and Keith L. Hohn. "Perovskite Catalysts—A Special Issue on Versatile Oxide Catalysts." *Catalysts* 4, no. 3 (2014): 305-306.
Times Cited: 0

2) Wang, Hongwang, Jim Hodgson, Tej B. Shrestha, Prem S. Thapa, David Moore, Xiaorong Wu, Myles Ikenberry et al. "Carbon dioxide hydrogenation to aromatic hydrocarbons by using an iron/iron oxide nanocatalyst."*Beilstein Journal of Nanotechnology* 5, no. 1 (2014): 760-769.
Times Cited: 0

3) Ikenberry, Myles, Leidy Peña, Daming Wei, Hongwang Wang, Stefan H. Bossmann, Trenton Wilke, Donghai Wang, Venugopal R. Komreddy, D. Paul Rillema, and Keith L. Hohn. "Acid monolayer functionalized iron oxide nanoparticles as catalysts for carbohydrate hydrolysis." *Green Chemistry* 16, no. 2 (2014): 836-843.
Times Cited: 3

4) Walker, Kara, Praveen Vadlani, Ronald Madl, Philip Ugorowski, and Keith L. Hohn. "Ethanol fermentation from food processing waste." *Environmental Progress & Sustainable Energy* 32, no. 4 (2013): 1280-1283.
Times Cited: 0

5) Nguyen, Phong, Junwen Li, T. S. Sreeprasad, Kabeer Jasuja, Nihar Mohanty, Myles Ikenberry, Keith Hohn, Vivek B. Shenoy, and Vikas Berry. "Covalent Functionalization of Dipole-Modulating Molecules on Trilayer Graphene: An Avenue for Graphene-Interfaced Molecular Machines." *Small*9, no. 22 (2013): 3823-3828.
Times Cited: 0

6) Salazar, Juan M., and Keith L. Hohn. "Partial Oxidation of n-Butane over a Sol-Gel Prepared Vanadium Phosphorous Oxide." *Catalysts* 3, no. 1 (2013): 11-26.
Times Cited: 0

7) Multer, Alisha, Nathan McGraw, Keith Hohn, and Praveen Vadlani. "Production of methyl ethyl ketone from biomass using a hybrid biochemical/catalytic approach." *Industrial & Engineering Chemistry Research* 52, no. 1 (2012): 56-60.
Times Cited: 1

8) Ahn, B. Kollbe, Jonggeun Sung, Yonghui Li, Namhoon Kim, Myles Ikenberry, Keith Hohn, Nihar Mohanty et al. "Synthesis and Characterization of Amphiphilic Reduced Graphene Oxide with Epoxidized Methyl Oleate."*Advanced Materials* 24, no. 16 (2012): 2123-2129.

Times Cited: 7

9) Cingarapu, Sreeram, Myles A. Ikenberry, Dambar B. Hamal, Christopher M. Sorensen, Keith Hohn, and Kenneth J. Klabunde. "Transformation of Indium Nanoparticles to β-Indium Sulfide: Digestive Ripening and Visible Light-Induced Photocatalytic Properties." *Langmuir* 28, no. 7 (2012): 3569-3575.

Times Cited: 10

10) Brijwani, Khushal, Praveen V. Vadlani, Keith L. Hohn, and Dirk E. Maier. "Experimental and theoretical analysis of a novel deep-bed solid-state bioreactor for cellulolytic enzymes production." *Biochemical Engineering Journal* 58 (2011): 110-123.

Times Cited: 2

11) Peña, Leidy, M. Ikenberry, B. Ware, Keith L. Hohn, D. Boyle, X. Susan Sun, and Donghai Wang. "Cellobiose hydrolysis using acid-functionalized nanoparticles." *Biotechnology and bioprocess engineering* 16, no. 6 (2011): 1214-1222.

Times Cited: 5

12) Hohn, Keith. "Welcome to Catalysts—A New Open AYearess Journal for a Growing Scientific Community." *Catalysts* 1, no. 1 (2011): 1-2.

Times Cited: 0

13) Bhandari, Alok, Wongee Kim, and Keith Hohn. "Luminol-based enhanced chemiluminescence assay for quantification of peroxidase and hydrogen peroxide in aqueous solutions: Effect of reagent pH and ionic strength."*Journal of Environmental Engineering* 136, no. 10 (2010): 1147-1152.

Times Cited: 3

14) Huang, Chien-Chang, and Keith L. Hohn. "Tetrakis (dimethylamino) ethylene chemiluminescence (TDE CL) characterization of the CMC and the viscosity of reversed microemulsions." *The Journal of Physical Chemistry B* 114, no. 8 (2010): 2685-2694.

Times Cited: 9

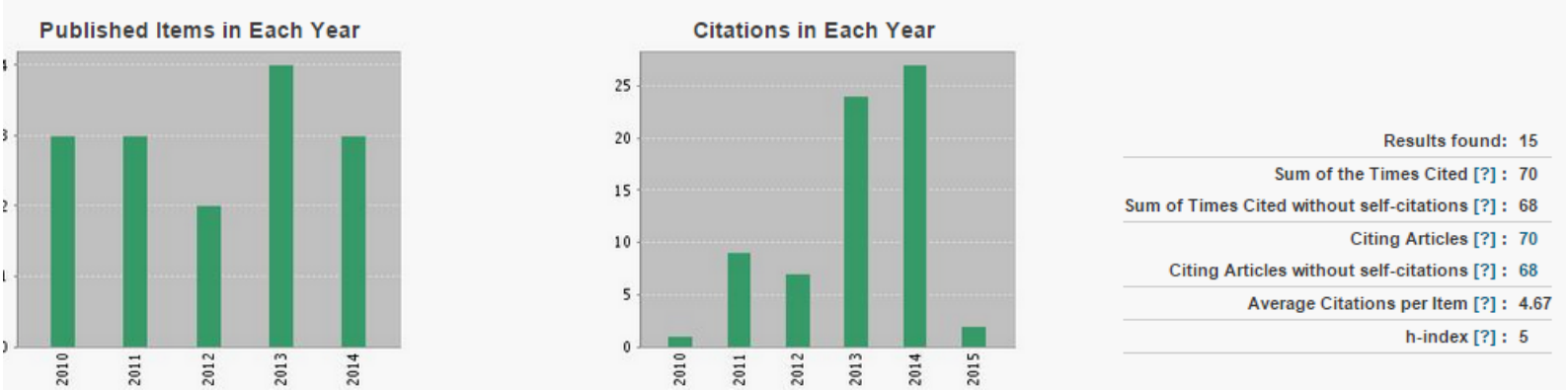
15) Hamal, Dambar B., Johanna A. Haggstrom, George L. Marchin, Myles A. Ikenberry, Keith Hohn, and Kenneth J. Klabunde. "A multifunctional biocide/sporocide and photocatalyst based on titanium dioxide (TiO2) codoped with silver, carbon, and sulfur." *Langmuir* 26, no. 4 (2009): 2805-2810.

Times Cited: 29

List of Journals:

1) CATALYSTS
2) BEILSTEIN JOURNAL OF NANOTECHNOLOGY
3) GREEN CHEMISTRY
4) ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY
5) SMALL
6) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
7) ADVANCED MATERIALS
8) LANGMUIR
9) BIOCHEMICAL ENGINEERING JOURNAL
10) BIOTECHNOLOGY AND BIOPROCESS ENGINEERING

11) JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE
12) JOURNAL OF PHYSICAL CHEMISTRY B
13) LANGMUIR



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	3	2	4	3	15	3.00
Citations	3	9	7	24	27	70	11.67

Title: Professor

Name: Peter H. Pfromm

Web of Science Author Identifier: I-3526-2013

Number of publications 2010-2014: 18

Number of times cited: 139

H-index: 6

List of Publications:

1) Young, Matthew J., Peter H. Pfromm, Mary E. Rezac, and Bruce M. Law. "Analysis of Atomic Force Microscopy Phase Data To Dynamically Detect Adsorbed Hydrogen under Ambient Conditions." *Langmuir* 30, no. 40 (2014): 11906-11912.
Times Cited: 0

2) Amanor-Boadu, Vincent, Peter H. Pfromm, and Richard Nelson. "Economic feasibility of algal biodiesel under alternative public policies." *Renewable Energy* 67 (2014): 136-142.
Times Cited: 0

3) Cruz, Juan C., Peter H. Pfromm, Robert Szoszkiewicz, and Mary E. Rezac. "Hydrolases on silica surfaces: Coverage-activity–molecular property relationships revealed." *Process Biochemistry* 49, no. 5 (2014): 830-839.
Times Cited: 0

4) Michalsky, Ronald, Brian A. Peterson, and Peter H. Pfromm. "Rapid synthesis of nanocrystalline magnesium chromite and ferrite ceramics with concentrated sunlight." *Thermochimica Acta* 582 (2014): 10-16.
Times Cited: 0

5) Hussain, Mohammed AM, and Peter H. Pfromm. "Reducing the energy demand of cellulosic ethanol through salt extractive distillation enabled by electrodialysis." *Separation Science and Technology* 48, no. 10 (2013): 1518-1528.
Times Cited: 0

6) Michalsky, Ronald, and Peter H. Pfromm. "An ionicity rationale to design solid phase metal nitride reactants for solar ammonia production." *The Journal of Physical Chemistry C* 116, no. 44 (2012): 23243-23251.
Times Cited: 3

7) Michalsky, Ronald, and Peter H. Pfromm. "Thermodynamics of metal reactants for ammonia synthesis from steam, nitrogen and biomass at atmospheric pressure." *AIChE Journal* 58, no. 10 (2012): 3203-3213.
Times Cited: 2

8) Michalsky, Ronald, Bryon J. Parman, Vincent Amanor-Boadu, and Peter H. Pfromm. "Solar thermochemical production of ammonia from water, air and sunlight: Thermodynamic and economic analyses." *Energy* 42, no. 1 (2012): 251-260.
Times Cited: 3

9) Hussain, Mohammed AM, Jennifer L. Anthony, and Peter H. Pfromm. "Reducing the energy demand of corn-based fuel ethanol through salt extractive distillation enabled by electrodialysis." *AIChE Journal* 58, no. 1 (2012): 163-172.
Times Cited: 5

10) Michalsky, Ronald, and Peter H. Pfromm. "Chromium as reactant for solar thermochemical synthesis of ammonia from steam, nitrogen, and biomass at atmospheric pressure." *Solar Energy* 85, no. 11 (2011): 2642-2654.
Times Cited: 9

11) Singh, D., Peter H. Pfromm, and M. E. Rezac. "Overcoming mass-transfer limitations in partial hydrogenation of soybean oil using metal-decorated polymeric membranes." *AIChE Journal* 57, no. 9 (2011): 2450-2457.
Times Cited: 1

12) Pfromm, Peter H., Vincent Amanor-Boadu, and Richard Nelson. "Sustainability of algae derived biodiesel: a mass balance approach."*Bioresource technology* 102, no. 2 (2011): 1185-1193.
Times Cited: 24

13) Cruz, Juan C., Peter H. Pfromm, John M. Tomich, and Mary E. Rezac. "Conformational changes and catalytic competency of hydrolases adsorbing on fumed silica nanoparticles: II. Secondary structure." *Colloids and Surfaces B: Biointerfaces* 81, no. 1 (2010): 1-10.
Times Cited: 9

14) Kramer, Martin, Juan C. Cruz, Peter H. Pfromm, Mary E. Rezac, and Peter Czermak. "Enantioselective transesterification by< i> Candida antarctica</i> Lipase B immobilized on fumed silica." *Journal of biotechnology* 150, no. 1 (2010): 80-86.
Times Cited: 12

15) Cruz, Juan C., Peter H. Pfromm, John M. Tomich, and Mary E. Rezac. "Conformational changes and catalytic competency of hydrolases adsorbing on fumed silica nanoparticles: I. Tertiary structure." *Colloids and Surfaces B: Biointerfaces* 79, no. 1 (2010): 97-104.
Times Cited: 18

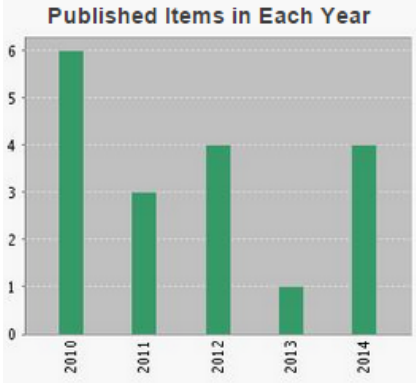
16) Pfromm, Peter H., Vincent Amanor-Boadu, Richard Nelson, Praveen Vadlani, and Ronald Madl. "Bio-butanol vs. bio-ethanol: A technical and economic assessment for corn and switchgrass fermented by yeast or< i> Clostridium acetobutylicum</i>." *Biomass and Bioenergy* 34, no. 4 (2010): 515-524.
Times Cited: 4

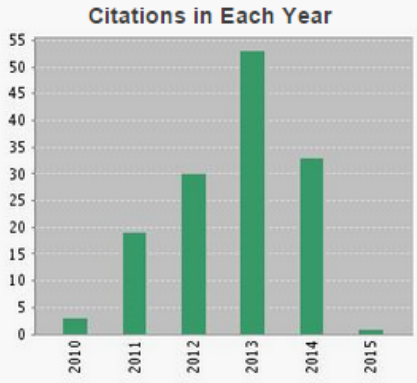
17) Singh, D., M. E. Rezac, and Peter H. Pfromm. "Partial hydrogenation of soybean oil using metal-decorated integral-asymmetric polymer membranes: Effects of morphology and membrane properties." *Journal of Membrane Science* 348, no. 1 (2010): 99-108.
Times Cited: 5

18) Michalsky, R., A. L. Passarelli, Peter H. Pfromm, and Peter Czermak. "Concentration of the baculovirus Autographa californica M nucleopolyhedrovirus (AcMNPV) by ultrafiltration." *Desalination* 250, no. 3 (2010): 1125-1127.
Times Cited: 4

List of Journals:

1) LANGMUIR
2) RENEWABLE ENERGY
3) PROCESS BIOCHEMISTRY
4) THERMOCHIMICA ACTA
5) SEPARATION SCIENCE AND TECHNOLOGY
6) JOURNAL OF PHYSICAL CHEMISTRY C
7) AICHE JOURNAL
8) ENERGY
9) SOLAR ENERGY
10) BIORESOURCE TECHNOLOGY
11) COLLOIDS AND SURFACES B-BIOINTERFACES
12) JOURNAL OF BIOTECHNOLOGY
13) BIOMASS & BIOENERGY
14) JOURNAL OF MEMBRANE SCIENCE
15) DESALINATION





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Sum of Times Cited without self-citations [?] : 122
Citing Articles [?] : 126
Citing Articles without self-citations [?] : 115
Average Citations per Item [?] : 7.72
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	6	3	4	1	4	18	3.40
Citations	4	19	30	53	33	139	23.17

Title: Professor

Name: Mary E. Rezac

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 46

H-index: 4

List of Publications:

1) Young, Matthew J., Peter H. Pfromm, Mary E. Rezac, and Bruce M. Law. "Analysis of Atomic Force Microscopy Phase Data To Dynamically Detect Adsorbed Hydrogen under Ambient Conditions." *Langmuir* 30, no. 40 (2014): 11906-11912.
Times Cited: 0

2) Cruz, Juan C., Peter H. Pfromm, Robert Szoszkiewicz, and Mary E. Rezac. "Hydrolases on silica surfaces: Coverage-activity–molecular property relationships revealed." *Process Biochemistry* 49, no. 5 (2014): 830-839.
Times Cited: 0

3) Zhang, Fan, Mary E. Rezac, Sudipto Majumdar, Praveen Kosaraju, and Stuart Nemser. "Improving Chemical Production Processes by Selective Byproduct Removal in a Pervaporation Membrane Reactor." *Separation Science and Technology* just-aYearepted (2014).
Times Cited: 0

4) Schulte, Leslie R., T. Ballard, T. Samarakoon, Libin Yao, P. Vadlani, S. Staggenborg, and M. Rezac. "Increased growing temperature reduces content of polyunsaturated fatty acids in four oilseed crops." *Industrial Crops and Products* 51 (2013): 212-219.
Times Cited: 1

5) Singh, D., Peter H. Pfromm, and M. E. Rezac. "Overcoming mass-transfer limitations in partial hydrogenation of soybean oil using metal-decorated polymeric membranes." *AIChE Journal* 57, no. 9 (2011): 2450-2457.
Times Cited: 1

6) Cruz, Juan C., Peter H. Pfromm, John M. Tomich, and Mary E. Rezac. "Conformational changes and catalytic competency of hydrolases adsorbing on fumed silica nanoparticles: II. Secondary structure." *Colloids and Surfaces B: Biointerfaces* 81, no. 1 (2010): 1-10.
Times Cited: 9

7) Kramer, Martin, Juan C. Cruz, Peter H. Pfromm, Mary E. Rezac, and Peter Czermak. "Enantioselective transesterification by< i> Candida antarctica</i> Lipase B immobilized on fumed silica." *Journal of biotechnology* 150, no. 1 (2010): 80-86.
Times Cited: 12

8) Cruz, Juan C., Peter H. Pfromm, John M. Tomich, and Mary E. Rezac. "Conformational changes and catalytic competency of hydrolases adsorbing on fumed silica nanoparticles: I. Tertiary structure." *Colloids and Surfaces B: Biointerfaces* 79, no. 1 (2010): 97-104.

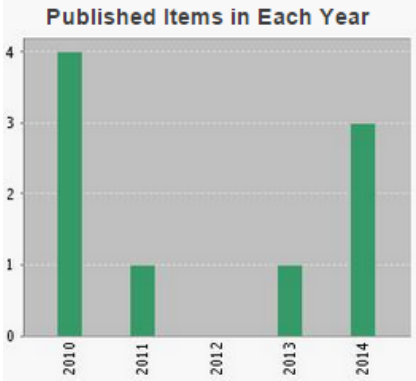
Times Cited: 18

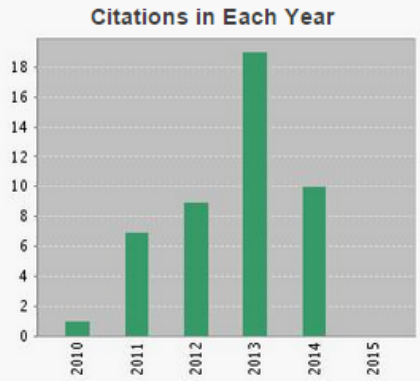
9) Singh, D., M. E. Rezac, and Peter H. Pfromm. "Partial hydrogenation of soybean oil using metal-decorated integral-asymmetric polymer membranes: Effects of morphology and membrane properties." *Journal of Membrane Science* 348, no. 1 (2010): 99-108.

Times Cited: 5

List of Journals:

1) LANGMUIR
2) PROCESS BIOCHEMISTRY
3) SEPARATION SCIENCE AND TECHNOLOGY
4) INDUSTRIAL CROPS AND PRODUCTS
5) AICHE JOURNAL
6) COLLOIDS AND SURFACES B-BIOINTERFACES
7) JOURNAL OF BIOTECHNOLOGY
8) JOURNAL OF MEMBRANE SCIENCE





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Sum of the Times Cited [?] : 46
Sum of Times Cited without self-citations [?] : 39
Citing Articles [?] : 39
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Average Citations per Item [?] : 5.11
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	1	0	1	3	9	4.80
Citations	1	7	9	19	10	46	7.67

Title: Professor

Name: John R. Schlup

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 2

H-index: 1

List of Publications:

1) Ade, C. J., R. M. Broxterman, J. C. Craig, S. J. Schlup, S. L. Wilcox, and T. J. Barstow. "Relationship between simulated extravehicular activity tasks and measurements of physical performance." *Respiratory physiology & neurobiology* 203 (2014): 19-27.

Times Cited: 0

2) Tomlinson, Sean R., Christian W. Kehr, Mayra S. Lopez, John R. Schlup, and Jennifer L. Anthony. "Solubility of the corn protein zein in imidazolium-based ionic liquids." *Industrial & Engineering Chemistry Research* 53, no. 6 (2014): 2293-2298.

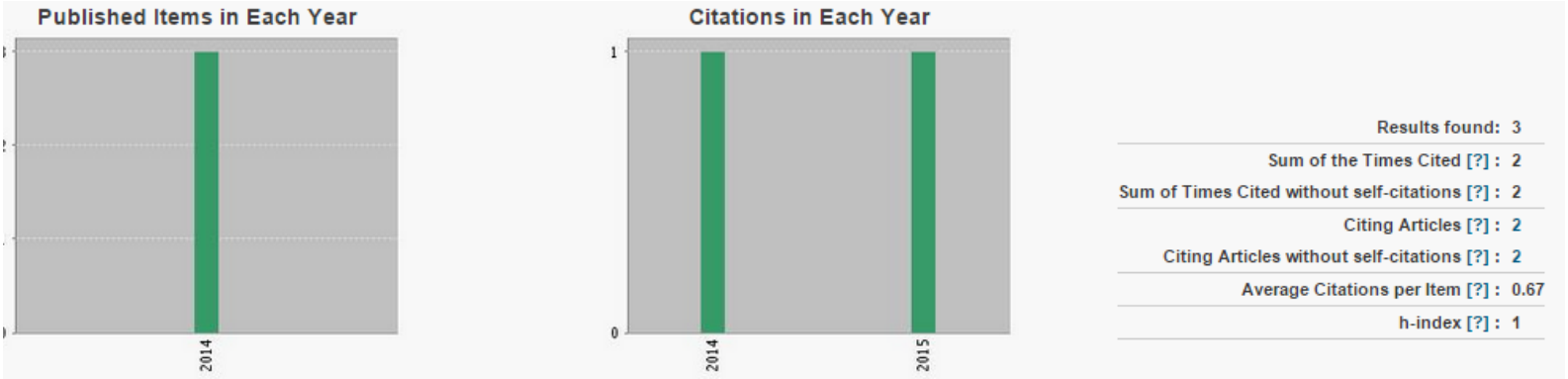
Times Cited: 2

3) Broxterman, R. M., C. J. Ade, S. L. Wilcox, S. J. Schlup, J. C. Craig, and T. J. Barstow. "Influence of duty cycle on the power-duration relationship: Observations and potential mechanisms." *Respiratory physiology & neurobiology* 192 (2014): 102-111.

Times Cited: 0

List of Journals:

1) **RESPIRATORY PHYSIOLOGY & NEUROBIOLOGY**
2) **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH**



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	0	3	3	0.60
Citations	0	0	0	0	2	2	0.40

Title: Associate Professor

Name: Jennifer L. Anthony

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 2

H-index: 1

List of Publications:

1) Tomlinson, Sean R., Christian W. Kehr, Mayra S. Lopez, John R. Schlup, and Jennifer L. Anthony. "Solubility of the corn protein zein in imidazolium-based ionic liquids." *Industrial & Engineering Chemistry Research* 53, no. 6 (2014): 2293-2298.

Times Cited: 2

2) Sun, Xin, Dewey H. Barich, and Jennifer L. Anthony. "Effects of Structure of Ionic Liquids and Phosphoric Acid on Structure of Aluminum Isopropoxide."*The Journal of Physical Chemistry C* 117, no. 48 (2013): 25615-25621.

Times Cited: 0

3) Mellard, Daryl F., Jason L. Anthony, and Kari L. Woods. "Understanding oral reading fluency among adults with low literacy: Dominance analysis of contributing component skills." *Reading and writing* 25, no. 6 (2012): 1345-1364.

Times Cited: 2

4) Sun, Xin, and Jennifer L. Anthony. "Influence of Structural Variation in Imidazolium-Based Ionic Liquids on Saturation Points of Silica Particles."*The Journal of Physical Chemistry C* 116, no. 5 (2012): 3274-3280.

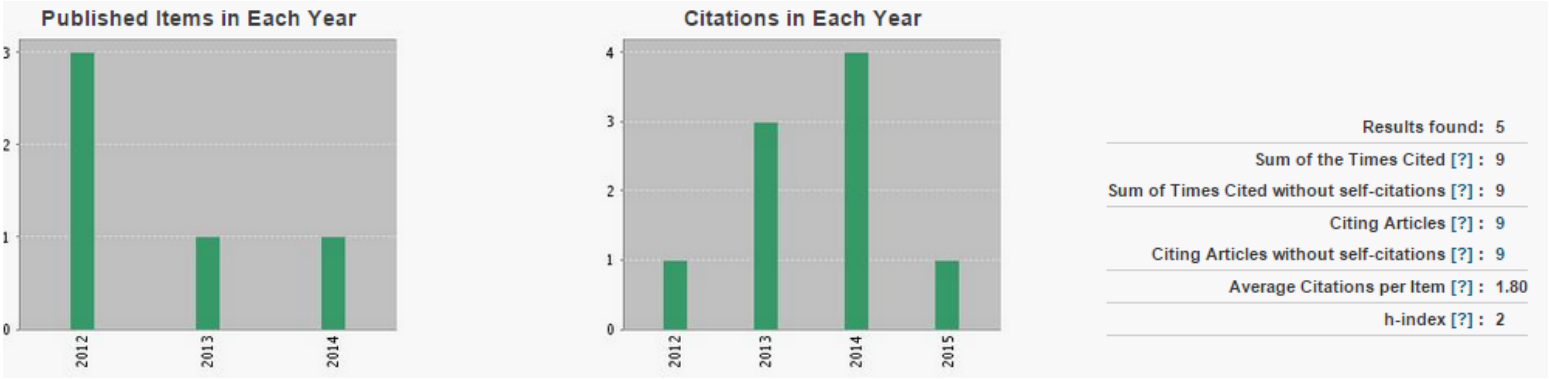
Times Cited: 0

5) Hussain, Mohammed AM, Jennifer L. Anthony, and Peter H. Pfromm. "Reducing the energy demand of corn-based fuel ethanol through salt extractive distillation enabled by electrodialysis." *AIChE Journal* 58, no. 1 (2012): 163-172.

Times Cited: 5

List of Journals:

1) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
2) JOURNAL OF PHYSICAL CHEMISTRY C
3) READING AND WRITING
4) AICHE JOURNAL



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	3	1	1	5	1.00
Citations	1	0	1	3	4	9	2.00

Title: Assistant Professor

Name: Placidus B. Amama

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 172

H-index: 5

List of Publications:

1) Amama, Placidus B., Shawn A. Putnam, Andrew R. Barron, and Benji Maruyama. "Wetting behavior and activity of catalyst supports in carbon nanotube carpet growth." *Nanoscale* 5, no. 7 (2013): 2642-2646.

Times Cited: 1

2) Wohlwend, Jennifer L., Placidus B. Amama, Patrick J. Shamberger, Vikas Varshney, Ajit K. Roy, and Timothy S. Fisher. "Effects of Titanium-Containing Additives on the Dehydrogenation Properties of LiAlH4: A Computational and Experimental Study." *The Journal of Physical Chemistry C* 116, no. 42 (2012): 22327-22335.

Times Cited: 0

3) Amama, Placidus B., John T. Grant, Patrick J. Shamberger, Andrey A. Voevodin, and Timothy S. Fisher. "Improved dehydrogenation properties of Ti-doped LiAlH4: Role of Ti precursors." *The Journal of Physical Chemistry C*116, no. 41 (2012): 21886-21894.

Times Cited: 5

4) Amama, Placidus B., Cary L. Pint, Francesca Mirri, Matteo Pasquali, Robert H. Hauge, and Benji Maruyama. "Catalyst–support interactions and their influence in water-assisted carbon nanotube carpet growth." *Carbon* 50, no. 7 (2012): 2396-2406.

Times Cited: 13

5) Amama, Placidus B., John T. Grant, Jonathan E. Spowart, Patrick J. Shamberger, Andrey A. Voevodin, and Timothy S. Fisher. "Catalytic influence of Ni-based additives on the dehydrogenation properties of ball milled MgH2." *Journal of Materials Research* 26, no. 21 (2011): 2725-2734.

Times Cited: 3

6) Kim, Seung Min, Cary L. Pint, Placidus B. Amama, Robert H. Hauge, Benji Maruyama, and Eric A. Stach. "Catalyst and catalyst support morphology evolution in single-walled carbon nanotube supergrowth: Growth deceleration and termination." *Journal of Materials Research* 25, no. 10 (2010): 1875-1885.

Times Cited: 15

7) Kim, Sungwon S., Placidus B. Amama, and Timothy S. Fisher. "Preferential Biofunctionalization of Carbon Nanotubes Grown by Microwave Plasma-Enhanced CVD." *The Journal of Physical Chemistry C* 114, no. 21 (2010): 9596-9602.

Times Cited: 7

8) Kim, Seung Min, Cary L. Pint, Placidus B. Amama, Dmitri N. Zakharov, Robert H. Hauge, Benji Maruyama, and Eric A. Stach. "Evolution in catalyst morphology leads to carbon nanotube growth termination." *The Journal of Physical Chemistry Letters* 1, no. 6 (2010): 918-922.

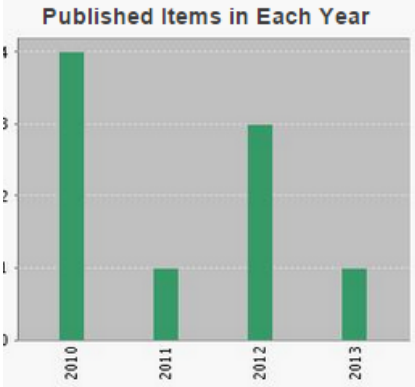
Times Cited: 52

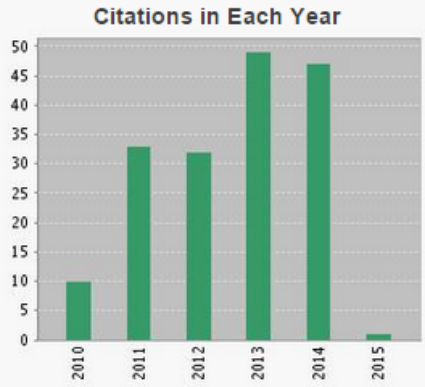
9) Amama, Placidus B., Cary L. Pint, Seung Min Kim, Laura McJilton, Kurt G. Eyink, Eric A. Stach, Robert H. Hauge, and Benji Maruyama. "Influence of alumina type on the evolution and activity of alumina-supported Fe catalysts in single-walled carbon nanotube carpet growth." *ACS nano* 4, no. 2 (2010): 895-904.

Times Cited: 70

List of Journals:

1) NANOSCALE
2) JOURNAL OF PHYSICAL CHEMISTRY C
3) CARBON
4) JOURNAL OF MATERIALS RESEARCH
5) JOURNAL OF PHYSICAL CHEMISTRY LETTERS
6) ACS NANO





Results found: 9
Sum of the Times Cited [?] : 172
Sum of Times Cited without self-citations [?] : 162
Citing Articles [?] : 136
Citing Articles without self-citations [?] : 130
Average Citations per Item [?] : 19.11
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	1	3	1	0	9	1.80
Citations	11	33	32	49	47	172	28.67

Title: Assistant Professor

Name: Bin Liu

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 12

H-index: 2

List of Publications:

1) Le, Thong Nguyen-Minh, Bin Liu, and Lam K. Huynh. "SurfKin: An ab initio kinetic code for modeling surface reactions." *Journal of computational chemistry* 35, no. 26 (2014): 1890-1899.

Times Cited: 0

2) Lei, Yu, Bin Liu, Junling Lu, Joseph A. Libera, Jeffrey P. Greeley, and Jeffrey W. Elam. "Effects of Chlorine in Titanium Oxide on Palladium Atomic Layer Deposition." *The Journal of Physical Chemistry C* 118, no. 39 (2014): 22611-22619.

Times Cited: 0

3) Lei, Yu, Haiyan Zhao, Rosa Diaz Rivas, Sungsik Lee, Bin Liu, Junling Lu, Eric Stach et al. "Adsorbate-Induced Structural Changes in 1–3 nm Platinum Nanoparticles." *Journal of the American Chemical Society* 136, no. 26 (2014): 9320-9326.

Times Cited: 1

4) Liu, Bin, Lei Cheng, Larry Curtiss, and Jeffrey Greeley. "Effects of van der Waals density functional corrections on trends in furfural adsorption and hydrogenation on close-packed transition metal surfaces." *Surface Science*622 (2014): 51-59.

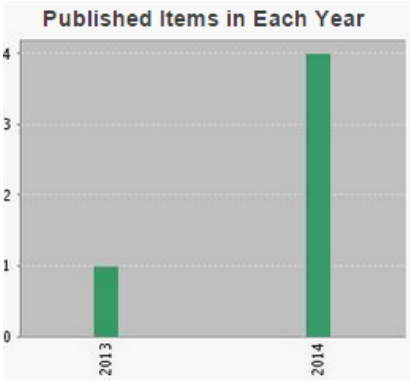
Times Cited: 5

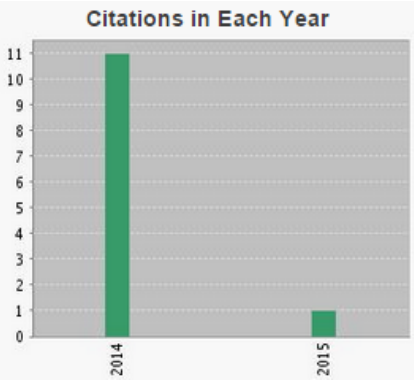
5) Liu, Bin, and Jeffrey Greeley. "A density functional theory analysis of trends in glycerol decomposition on close-packed transition metal surfaces."*Physical Chemistry Chemical Physics* 15, no. 17 (2013): 6475-6485.

Times Cited: 6

List of Journals:

1) JOURNAL OF COMPUTATIONAL CHEMISTRY
2) JOURNAL OF PHYSICAL CHEMISTRY C
3) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
4) SURFACE SCIENCE
5) PHYSICAL CHEMISTRY CHEMICAL PHYSICS





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Average Citations per Item [?] : 2.40
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	1	4	5	1.00
Citations	1	0	0	0	11	12	2.40

Texas Tech University Tenure & Tenured-Track Professors

Title: Horn Professor / Chairperson

Name: Sindee L. Simon

Web of Science Author Identifier: M-9372-2013

Number of publications 2010-2014: 25

Number of Times Cited: 207

H-index: 8

List of Publications:

1) Shamim, Nabila, Yung P. Koh, Sindee L. Simon, and Gregory B. McKenna. "Glass transition temperature of thin polycarbonate films measured by flash differential scanning calorimetry." *Journal of Polymer Science Part B: Polymer Physics* 52, no. 22 (2014): 1462-1468.

Times Cited: 0

2) Zhao, H. Y., Z. N. Yu, Fatema Begum, Ronald C. Hedden, and Sindee L. Simon. "The effect of nanoconfinement on methyl methacrylate polymerization: T-g, molecular weight, and tacticity."*Polymer* 55, no. 19 (2014): 4959-4965.

Times Cited: 0

3) Tao, Ran, George Tamas, Lianjie Xue, Sindee L. Simon, and Edward L. Quitevis. "Thermophysical Properties of Imidazolium-Based Ionic Liquids: The Effect of Aliphatic versus Aromatic Functionality." *Journal of Chemical & Engineering Data* 59, no. 9 (2014): 2717-2724.

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4) Gao, Siyang, and Sindee L. Simon. "The reaction kinetics of cyclopentadiene dimerization using differential scanning calorimetry: Experiments and modelling." *Thermochimica Acta* (2014).

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6) Zhao, H. Y., Y. P. Koh, M. Pyda, Sabyasachi Sen, and S. L. Simon. "The kinetics of the glass transition and physical aging in germanium selenide glasses." *Journal of Non-Crystalline Solids* 368 (2013): 63-70.

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7) Begum, Fatema, Rakibul H. Sarker, and Sindee L. Simon. "Modeling Ring/Chain Equilibrium in Nanoconfined Sulfur." *The Journal of Physical Chemistry B* 117, no. 14 (2013): 3911-3916.

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8) Zhao, Jing, Sindee L. Simon, and Gregory B. McKenna. "Using 20-million-year-old amber to test the super-Arrhenius behaviour of glass-forming systems." *Nature communications* 4 (2013): 1783.
Times Cited: 22

9) Gao, Siyang, Yung P. Koh, and Sindee L. Simon. "Calorimetric glass transition of single polystyrene ultrathin films." *Macromolecules* 46, no. 2 (2013): 562-570.
Times Cited: 13

10) Koh, Yung P., M. Nazmul Karim, and Sindee L. Simon. "Heterogeneous reaction kinetics of epoxide-functionalized regenerated cellulose membrane and aliphatic amine." *Thermochimica Acta* 543 (2012): 18-23.
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11) Guo, Jiaxi, Luigi Grassia, and Sindee L. Simon. "Bulk and shear rheology of a symmetric three-arm star polystyrene." *Journal of Polymer Science Part B: Polymer Physics* 50, no. 17 (2012): 1233-1244.
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12) Grassia, Luigi, and Sindee L. Simon. "Modeling volume relaxation of amorphous polymers: modification of the equation for the relaxation time in the KAHR model." *Polymer* 53, no. 16 (2012): 3613-3620.
Times Cited: 13

13) Begum, Fatema, Haoyu Zhao, and Sindee L. Simon. "Modeling methyl methacrylate free radical polymerization: Reaction in hydrophilic nanopores." *Polymer* 53, no. 15 (2012): 3238-3244.
Times Cited: 5

14) Begum, Fatema, Haoyu Zhao, and Sindee L. Simon. "Modeling methyl methacrylate free radical polymerization: Reaction in hydrophobic nanopores." *Polymer* 53, no. 15 (2012): 3261-3268.
Times Cited: 4

15) Koh, Yung P., and Sindee L. Simon. "Crystallization and vitrification of a cyanurate trimer in nanopores." *The Journal of Physical Chemistry B* 116, no. 26 (2012): 7754-7761.
Times Cited: 5

16) Guo, Jiaxi, and Sindee L. Simon. "Thermodynamic scaling of polymer dynamics versus T–Tg scaling." *The Journal of chemical physics* 135, no. 7 (2011): 074901.
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17) Zhao, Haoyu, and Sindee L. Simon. "Methyl methacrylate polymerization in nanoporous confinement." *Polymer* 52, no. 18 (2011): 4093-4098.
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18) Zheng, Wei, Ali Mohammed, Larry G. Hines Jr, Dong Xiao, Omar J. Martinez, Richard A. Bartsch, Sindee L. Simon, Olga Russina, Alessandro Triolo, and Edward L. Quitevis. "Effect of cation symmetry on the morphology and physicochemical properties of imidazolium ionic liquids." *The Journal of Physical Chemistry B* 115, no. 20 (2011): 6572-6584.
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19) Begum, Fatema, and Sindee L. Simon. "Modeling methyl methacrylate free radical polymerization in nanoporous confinement." *Polymer* 52, no. 7 (2011): 1539-1545.

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20) Koh, Yung P., and Sindee L. Simon. "Kinetic study of trimerization of monocyanate ester in nanopores." *The Journal of Physical Chemistry B* 115, no. 5 (2011): 925-932.
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21) Guo, Jiaxi, and Sindee L. Simon. "Pressure–volume–temperature behavior of two polycyanurate networks." *Journal of Polymer Science Part B: Polymer Physics* 48, no. 23 (2010): 2509-2517.
Times Cited: 6

22) Zheng, Wei, Gregory B. McKenna, and Sindee L. Simon. "The viscoelastic behavior of polymer/oligomer blends." *Polymer* 51, no. 21 (2010): 4899-4906.
Times Cited: 3

23) Grassia, Luigi, Alberto D'Amore, and Sindee L. Simon. "On the viscoelastic Poisson's ratio in amorphous polymers." *Journal of Rheology (1978-present)* 54, no. 5 (2010): 1009-1022.
Times Cited: 20

24) Koh, Yung P., and Sindee L. Simon. "Trimerization of monocyanate ester in nanopores." *The Journal of Physical Chemistry B* 114, no. 23 (2010): 7727-7734.
Times Cited: 15

25) Win, K. Z., Taskin Karim, Qingxiu Li, Sindee L. Simon, and Gregory B. McKenna. "Thermal pressure coefficient of a polyhedral oligomeric silsesquioxane (POSS)-reinforced epoxy resin." *Journal of applied polymer science* 116, no. 1 (2010): 142-146.
Times Cited: 4

List of Journals:

6) JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS
7) POLYMER
8) JOURNAL OF CHEMICAL AND ENGINEERING DATA
9) THERMOCHIMICA ACTA
10) MACROMOLECULES
11) JOURNAL OF NON-CRYSTALLINE SOLIDS
12) JOURNAL OF PHYSICAL CHEMISTRY B
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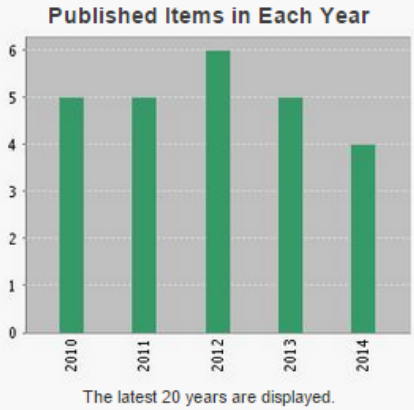
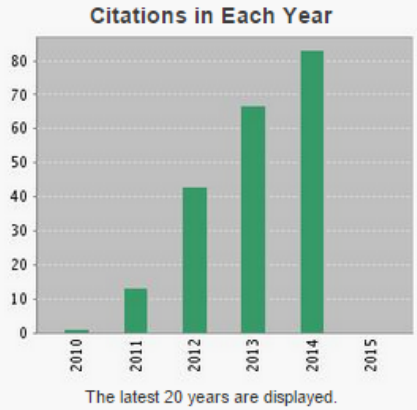
16) JOURNAL OF APPLIED POLYMER SCIENCE





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Citing Articles without self-citations [?] : 1
Average Citations per Item [?] : 8
h-index [?] : 8

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	5	5	6	5	4	25	5
Citations	1	13	43	67	83	207	34.50

Title: Horn Professor

Name: Gregory B. Mckenna

Web of Science Author Identifier: O-1134-2013

Number of publications 2010-2014: 45

Number of Times Cited: 238

H-index: 9

List of Publications:

1) Shamim, Nabila, Yung P. Koh, Sindee L. Simon, and Gregory B. McKenna. "Glass transition temperature of thin polycarbonate films measured by flash differential scanning calorimetry." *Journal of Polymer Science Part B: Polymer Physics* 52, no. 22 (2014): 1462-1468.

Times Cited: 0

2) Li, Xiguang, Juliusz Warzywoda, and Gregory B. McKenna. "Mechanical responses of a polymer graphene-sheet nano-sandwich." *Polymer* 55, no. 19 (2014): 4976-4982.

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3) Li, Yanfei, Miao Hu, Gregory B. McKenna, Christopher J. Dimitriou, Gareth H. McKinley, RebeYeara M. Mick, David C. Venerus, and Lynden A. Archer. "Response to: Sufficiently entangled polymers do show shear strain localization at high enough Weissenberg numbers"." *Journal of Rheology (1978-present)* 58, no. 4 (2014): 1071-1082.

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4) Zhai, Meiyu, and Gregory B. McKenna. "Viscoelastic modeling of nanoindentation experiments: A multicurve method." *Journal of Polymer Science Part B: Polymer Physics* 52, no. 9 (2014): 633-639.

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5) Zhao, Jing, and Gregory B. McKenna. "The apparent activation energy and dynamic fragility of ancient ambers." *Polymer* 55, no. 9 (2014): 2246-2253.

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6) Di, Xiaojun, Xiaoguang Peng, and Gregory B. McKenna. "Dynamics of a thermo-responsive microgel colloid near to the glass transition." *The Journal of chemical physics* 140, no. 5 (2014): 054903.

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7) Li, Xiguang, Gregory B. McKenna, Guillaume Miquelard-Garnier, Alain Guinault, Cyrille Sollogoub, Gilles Regnier, and Artur Rozanski. "Forced assembly by multilayer coextrusion to create oriented graphene reinforced polymer nanocomposites." *Polymer* 55, no. 1 (2014): 248-257.

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8) Shamim, Nabila, and Gregory B. McKenna. "Mechanical spectral hole burning in polymer solutions: Comparison with large amplitude oscillatory shear fingerprinting." *Journal of Rheology (1978-present)* 58, no. 1 (2014): 43-62.
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9) Zhao, Jing, Eugenio Ragazzi, and Gregory B. McKenna. "Something about amber: Fictive temperature and glass transition temperature of extremely old glasses from copal to Triassic amber." *Polymer* 54, no. 26 (2013): 7041-7047.
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11) McKenna, Gregory B., Tetsuharu Narita, and François Lequeux. "Superposition of small strains on large: Some counterintuitive results for a concentrated colloidal system." *Journal of Rheology (1978-present)* 57, no. 6 (2013): 1803-1818.
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12) Zhao, Jing, and Gregory B. McKenna. "Response to “Comment on ‘Temperature divergence of the dynamics of a poly (vinyl acetate) glass: Dielectric vs. mechanical behaviors’”[J. Chem. Phys. 139, 137101 (2013)]."*The Journal of chemical physics* 139, no. 13 (2013): 137102.
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13) Karim, Taskin B., and Gregory B. McKenna. "Comparison of surface mechanical properties among linear and star polystyrenes: Surface softening and stiffening at different temperatures." *Polymer* 54, no. 21 (2013): 5928-5935.
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14) Wang, Jinhua, and Gregory B. McKenna. "A novel temperature-step method to determine the glass transition temperature of ultrathin polymer films by liquid dewetting." *Journal of Polymer Science Part B: Polymer Physics* 51, no. 18 (2013): 1343-1349.
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19) Di, Xiaojun, and Gregory B. McKenna. "Evaluation of heterogeneity measures and their relation to the glass transition." *The Journal of chemical physics* 138, no. 12 (2013): 12A530.
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29) Li, Xiguang, and Gregory B. McKenna. "Considering Viscoelastic Micromechanics for the Reinforcement of Graphene Polymer Nanocomposites." *ACS Macro Letters* 1, no. 3 (2012): 388-391.
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30) McKenna, Gregory B. "Deformation and flow of matter: Interrogating the physics of materials using rheological methodsa)." *Journal of Rheology (1978-present)* 56, no. 1 (2012): 113-158.
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36) Di, Xiaojun, K. Z. Win, Gregory B. McKenna, Tetsuharu Narita, François Lequeux, Srinivasa Rao Pullela, and Zhengdong Cheng. "Signatures of structural recovery in colloidal glasses." *Physical review letters* 106, no. 9 (2011): 095701.
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37) Kollengodu-Subramanian, Shankar, Babji Srinivasan, Jing Zhao, Raghunathan Rengaswamy, and Gregory B. McKenna. "Application of empirical mode decomposition in the field of polymer physics." *Journal of Polymer Science Part B: Polymer Physics* 49, no. 4 (2011): 277-290.
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38) O'Connell, Paul A., Gregory B. McKenna, Edwin P. Chan, and Christopher M. Stafford. "Comment on “Viscoelastic properties of confined polymer films measured via thermal wrinkling” by EP Chan, KA Page, SH Im, DL Patton, R. Huang, and CM Stafford, Soft Matter, 2009, 5, 4638–4641." *Soft Matter* 7, no. 2 (2011): 788-790.
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42) McKenna, G. B. "Ten (or more) years of dynamics in confinement: Perspectives for 2010." *The European Physical Journal-Special Topics* 189, no. 1 (2010): 285-302.
Times Cited: 26

43) Zheng, Wei, Gregory B. McKenna, and Sindee L. Simon. "The viscoelastic behavior of polymer/oligomer blends." *Polymer* 51, no. 21 (2010): 4899-4906.
Times Cited: 3

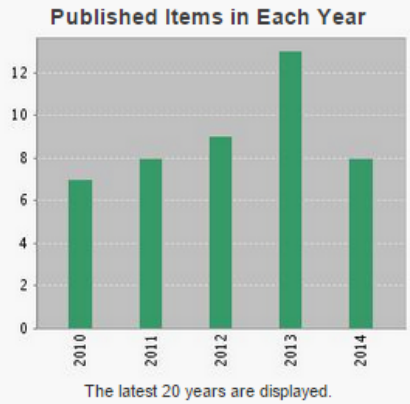
44) Xu, Shanhong, Paul A. O’Connell, and Gregory B. McKenna. "Unusual elastic behavior of ultrathin polymer films: Confinement-induced/molecular stiffening and surface tension effects." *The Journal of Chemical Physics* 132, no. 18 (2010): 184902.
Times Cited: 14

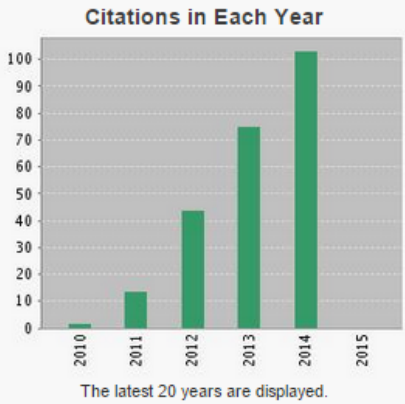
45) Win, K. Z., Taskin Karim, Qingxiu Li, Sindee L. Simon, and Gregory B. McKenna. "Thermal pressure coefficient of a polyhedral oligomeric silsesquioxane (POSS)-reinforced epoxy resin." *Journal of applied polymer science* 116, no. 1 (2010): 142-146.
Times Cited: 4

List of Journals:

1) JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS
2) POLYMER
3) JOURNAL OF RHEOLOGY
4) JOURNAL OF CHEMICAL PHYSICS
5) JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
6) MACROMOLECULES
7) NATURE COMMUNICATIONS
8) PHYSICAL REVIEW LETTERS
9) ACS MACRO LETTERS
10) MACROMOLECULES
11) LANGMUIR
12) SOFT MATTER
13) JOURNAL OF PHYSICAL CHEMISTRY B
14) JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
15) MECHANICS OF TIME-DEPENDENT MATERIALS

16) EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS
17) JOURNAL OF APPLIED POLYMER SCIENCE





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Average Citations per Item [?] : 5.29
h-index [?] : 9

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	7	8	9	13	8	45	9
Citations	2	14	44	75	103	238	39.67

Title: Professor/ Distinguished Chair in Engineering

Name: Chau-Chyun Chen

Web of Science Author Identifier: C-3054-2008

Numberof publications 2010-2014: 14

Number of Times Cited: 138

H-index: 8

List of Publications:

1) Tanveer, Sheik, Yifan Hao, and Chau-Chyun Chen. "Introduction to Solid-Fluid Equilibrium Modeling." *CHEMICAL ENGINEERING PROGRESS* 110, no. 9 (2014): 37-47.
Times Cited: 0

2) Sheikholeslamzadeh, Ehsan, Chau-Chyun Chen, and Sohrab Rohani. "Optimal Solvent Screening for the Crystallization of Pharmaceutical Compounds from Multisolvent Systems." *Industrial & Engineering Chemistry Research* 51, no. 42 (2012): 13792-13802.
Times Cited: 0

3) Hanley, Brian, and Chau-Chyun Chen. "New mass-transfer correlations for packed towers." *AIChE journal* 58, no. 1 (2012): 132-152.
Times Cited: 23

4) Zhang, Ying, Huiling Que, and Chau-Chyun Chen. "Thermodynamic modeling for CO2 absorption in aqueous MEA solution with electrolyte NRTL model." *Fluid Phase Equilibria* 311 (2011): 67-75.
Times Cited: 14

5) Que, Huiling, and Chau-Chyun Chen. "Thermodynamic modeling of the NH3–CO2–H2O system with electrolyte NRTL model." *Industrial & Engineering Chemistry Research* 50, no. 19 (2011): 11406-11421.
Times Cited: 12

6) Yan, Yizhuan, and Chau-Chyun Chen. "Thermodynamic representation of the NaCl+ Na2SO4 + H2O system with electrolyte NRTL model." *Fluid Phase Equilibria* 306, no. 2 (2011): 149-161.
Times Cited: 0

7) Zong, Li, and Chau-Chyun Chen. "Thermodynamic modeling of CO2 and H2S solubilities in aqueous DIPA solution, aqueous sulfolane–DIPA solution, and aqueous sulfolane–MDEA solution with electrolyte NRTL model." *Fluid Phase Equilibria* 306, no. 2 (2011): 190-203.
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8) Zhang, Ying, and Chau-Chyun Chen. "Modeling Gas Solubilities in the Aqueous Solution of Methyldiethanolamine." *Industrial & Engineering Chemistry Research* 50, no. 10 (2011): 6436-6446.
Times Cited: 5

9) Que, Huiling, Yuhua Song, and Chau-Chyun Chen. "Thermodynamic modeling of the sulfuric acid− water− sulfur trioxide system with the symmetric electrolyte NRTL model." *Journal of Chemical & Engineering Data*56, no. 4 (2011): 963-977.

Times Cited: 12

10) Zhang, Ying, and Chau-Chyun Chen. "Thermodynamic modeling for CO2 absorption in aqueous MDEA solution with electrolyte NRTL model."*Industrial & Engineering Chemistry Research* 50, no. 1 (2010): 163-175.

Times Cited: 25

11) Wang, Shu, Yuhua Song, and Chau-Chyun Chen. "Extension of COSMO-SAC solvation model for electrolytes." *Industrial & Engineering Chemistry Research* 50, no. 1 (2010): 176-187.

Times Cited: 4

12) Yan, Yizhuan, and Chau-Chyun Chen. "Thermodynamic modeling of CO2 solubility in aqueous solutions of NaCl and Na2SO4." *The Journal of Supercritical Fluids* 55, no. 2 (2010): 623-634.

Times Cited: 12

13) Zong, Li, Sundaram Ramanathan, and Chau-Chyun Chen. "Predicting thermophysical properties of mono-and diglycerides with the chemical constituent fragment approach." *Industrial & Engineering Chemistry Research* 49, no. 11 (2010): 5479-5484.

Times Cited: 11

14) Zong, Li, Sundaram Ramanathan, and Chau-Chyun Chen. "Fragment-based approach for estimating thermophysical properties of fats and vegetable oils for modeling biodiesel production processes." *Industrial & engineering chemistry research* 49, no. 2 (2009): 876-886.

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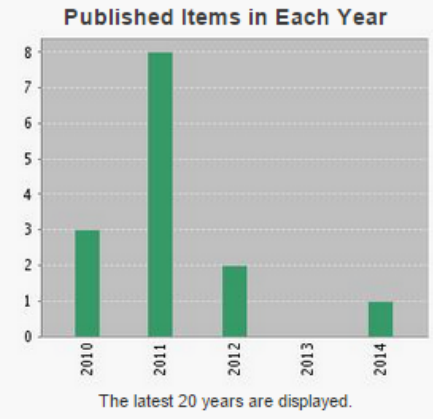
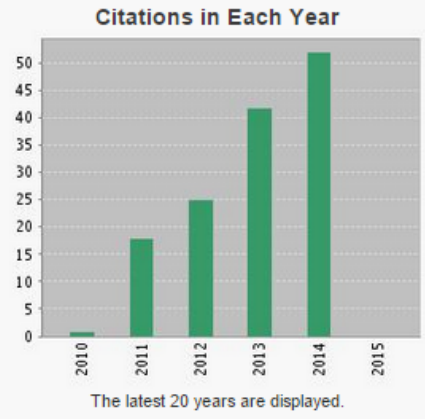
List of Journals:

1) CHEMICAL ENGINEERING PROGRESS
2) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
3) AICHE JOURNAL
4) FLUID PHASE EQUILIBRIA
5) JOURNAL OF CHEMICAL AND ENGINEERING DATA
6) JOURNAL OF SUPERCRITICAL FLUIDS





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Sum of Times Cited without self-citations [?] : 126
Citing Articles [?] : 112
Citing Articles without self-citations [?] : 106
Average Citations per Item [?] : 9.8
h-index [?] : 8

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	8	2	0	1	14	2.8
Citations	1	18	25	42	52	138	23.00

Title: Professor/ Academic Dean

Name: Al SaYearo Jr.

Web of Science Author Identifier: Reprint Author

Number of publications 2010-2014: 7

Number of Times Cited: 33

H-index: 3

List of Publications:

1) Soy, Esin, Sezin Galioglu, Oleksandr O. Soldatkin, Sergei V. Dzyadevych, Juliusz Warzywoda, Albert SaYearo Jr, and Burcu Akata. "Direct evidence of advantage of using nanosized zeolite Beta for ISFET-based biosensor construction." *Journal of nanoparticle research* 15, no. 5 (2013): 1-12.

Times Cited: 0

2) Soy, Esin, Valentyna Arkhypova, Oleksandr Soldatkin, Margarita Shelyakina, Sergei Dzyadevych, Juliusz Warzywoda, Albert SaYearo Jr, and Burcu Akata. "Investigation of characteristics of urea and butyrylcholine chloride biosensors based on ion-selective field-effect transistors modified by the incorporation of heat-treated zeolite Beta crystals." *Materials Science and Engineering: C* 32, no. 7 (2012): 1835-1842.

Times Cited: 3

3) Ismail, Mariam N., Ugonna K. Ibe, Tatyana Chernenko, Max Diem, Juliusz Warzywoda, and Albert SaYearo Jr. "Synthesis and characterization of vanadosilicate AM-6 with transition metal ions isomorphously substituted in the framework." *Microporous and Mesoporous Materials* 145, no. 1 (2011): 118-123.

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4) Ji, Zhaoxia, Mariam N. Ismail, Dennis M. Callahan Jr, Juliusz Warzywoda, and Albert SaYearo Jr. "Transition metal ion substitution in titanosilicate ETS-10 for enhanced UV light photodegradation of methylene blue." *Journal of Photochemistry and Photobiology A: Chemistry* 221, no. 1 (2011): 77-83.

Times Cited: 3

5) Ji, Zhaoxia, Mariam N. Ismail, Dennis M. Callahan Jr, Eko Pandowo, Zhuhua Cai, Trevor L. Goodrich, Katherine S. Ziemer, Juliusz Warzywoda, and Albert SaYearo Jr. "The role of silver nanoparticles on silver modified titanosilicate ETS-10 in visible light photocatalysis." *Applied Catalysis B: Environmental* 102, no. 1 (2011): 323-333.

Times Cited: 23

6) Ji, Zhaoxia, Dennis M. Callahan Jr, Mariam N. Ismail, Juliusz Warzywoda, and Albert SaYearo Jr. "Development and characterization of a titanosilicate ETS-10-coated optical fiber reactor towards the photodegradation of methylene blue." *Journal of Photochemistry and Photobiology A: Chemistry*217, no. 1 (2011): 22-28.

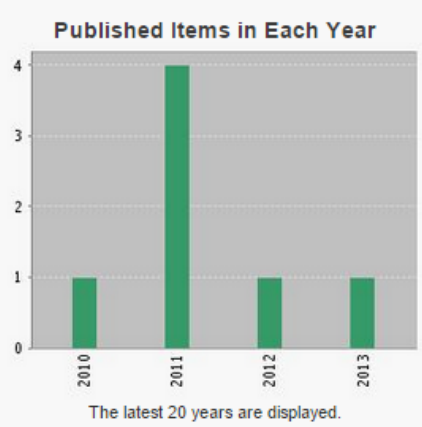
Times Cited: 2

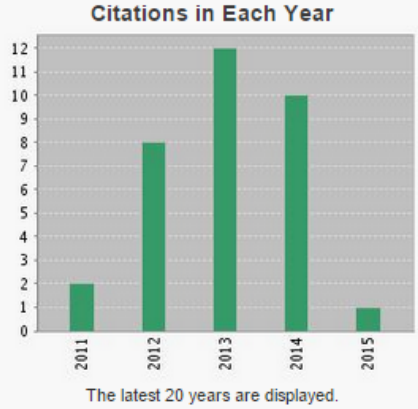
7) Galioğlu, Sezin, Mariam N. Ismail, Juliusz Warzywoda, Albert SaYearo Jr, and Burcu Akata. "Preparation and microstructural characterization of oriented titanosilicate ETS-10 thin films on indium tin oxide surfaces." *Microporous and Mesoporous Materials* 131, no. 1 (2010): 401-406.

Times Cited: 2

List of Journals:

1) JOURNAL OF NANOPARTICLE RESEARCH
2) MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS
3) MICROPOROUS AND MESOPOROUS MATERIALS
4) JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY
5) APPLIED CATALYSIS B-ENVIRONMENTAL





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Average Citations per Item [?] : 4.71
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	4	1	1	0	7	1.4
Citations	0	2	8	12	10	33	6.60

Title: Professor

Name: Brandon L. Weeks

Web of Science Author Identifier: P-6331-2014

Number of publications 2010-2014: 40

Number of Times Cited: 142

H-index: 6

List of Publications:

1) Qiu, Bin, Hongbo Gu, Xingru Yan, Jiang Guo, Yiran Wang, Dezhi Sun, Qiang Wang et al. "Cellulose derived magnetic mesoporous carbon nanocomposites with enhanced hexavalent chromium removal." *Journal of Materials Chemistry A* 2, no. 41 (2014): 17454-17462.
Times Cited: 0

2) Hikal, Walid M., and Brandon L. Weeks. "Sublimation kinetics and diffusion coefficients of TNT, PETN, and RDX in air by thermogravimetry." *Talanta* 125 (2014): 24-28.
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3) Stacy, Shawn C., Xin Zhang, Michelle Pantoya, and Brandon Weeks. "The effects of density on thermal conductivity and absorption coefficient for consolidated aluminum nanoparticles." *International Journal of Heat and Mass Transfer* 73 (2014): 595-599.
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4) Wei, Junhua, Jingjing Qiu, Liqiang Ren, Kun Zhang, Shiren Wang, and Brandon Weeks. "Size Sorted Multicolor Fluorescence Graphene Oxide Quantum Dots Obtained by Differential Velocity Centrifugation." *Science of Advanced Materials* 6, no. 5 (2014): 1052-1059.
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5) Crane, C. A., M. L. Pantoya, B. L. Weeks, and M. Saed. "The effects of particle size on microwave heating of metal and metal oxide powders."*Powder Technology* 256 (2014): 113-117.
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6) Zhang, Xin, and Brandon L. Weeks. "Preparation of sub-micron nitrocellulose particles for improved combustion behavior." *Journal of Hazardous Materials* 268 (2014): 224-228.
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7) Crane, C. A., M. L. Pantoya, and B. L. Weeks. "Investigating the trade-offs of microwave susceptors in energetic composites: Microwave heating versus combustion performance." *Journal of Applied Physics* 115, no. 10 (2014): 104106.
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8) Bhattacharia, Sanjoy K., Amitesh Maiti, Richard H. Gee, Jay Nunley, and Brandon L. Weeks. "Effect of Homolog Doping on Surface Morphology and Mass-Loss Rates from PETN Crystals: Studies using Atomic Force Microscope and Thermogravimetric Analysis." *Propellants, Explosives, Pyrotechnics* 39, no. 1 (2014): 24-29.
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9) Zhang, Xin, and Brandon L. Weeks. "Tip Induced Crystallization Lithography." *Journal of the American Chemical Society* 136, no. 4 (2014): 1253-1255.
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10) Guo, Jiang, Xi Zhang, Hongbo Gu, Yiran Wang, Xingru Yan, Daowei Ding, Jun Long et al. "Reinforced magnetic epoxy nanocomposites with conductive polypyrrole nanocoating on nanomagnetite as a coupling agent."*RSC Advances* 4, no. 69 (2014): 36560-36572.
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11) Zhang, Xin, and Brandon L. Weeks. "Effects on the surface structure of organic energetic materials using spin coating." *Thin Solid Films* 550 (2014): 135-139.
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12) Li, Li, Xin Zhang, Jingjing Qiu, Brandon L. Weeks, and Shiren Wang. "Reduced graphene oxide-linked stacked polymer forests for high energy-density supercapacitor." *Nano Energy* 2, no. 5 (2013): 628-635.
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13) Crane, C. A., M. L. Pantoya, and B. L. Weeks. "Spatial observation and quantification of microwave heating in materials." *Review of Scientific Instruments* 84, no. 8 (2013): 084705.
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14) Zhang, Xin, Pengwei Qiao, Xuan Ji, Junbin Han, Lili Liu, Brandon L. Weeks, Qingwei Yao, and Zhao Zhang. "Sustainable Recycling of Benzoic Acid Production Waste: Green and Highly Efficient Methods To Separate and Recover High Value-Added Conjugated Aromatic Compounds from Industrial Residues." *ACS Sustainable Chemistry & Engineering* 1, no. 8 (2013): 974-981.
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15) Hikal, Walid M., Jeffrey T. Paden, Sanjoy K. Bhattacharia, and Brandon L. Weeks. "Thermodynamic parameters of Rhodamine B in powder and nanofilms forms." *Journal of thermal analysis and calorimetry* 113, no. 2 (2013): 519-523.
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16) Xin Zhang, Xuan Ji, Ruifei Su, Brandon L. Weeks, Zhao Zhang, and Songlu Deng. “Aerobic Oxidation of 9H-Fluorenes to 9-Fluorenones using Mono-/Multilayer Graphene-Supported Alkaline Catalyst.” *Chempluschem* 78, no. 7 (2013): 703-711.
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17) Hikal, Walid M., and Brandon L. Weeks. "In Situ Direct Measurement of Vapor Pressures and Thermodynamic Parameters of Volatile Organic Materials in the Vapor Phase: Benzoic Acid, Ferrocene, and Naphthalene."*ChemPhysChem* 14, no. 9 (2013): 1920-1925.
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18) Peterson, Geneva R., Will P. Bassett, Brandon L. Weeks, and Louisa J. Hope-Weeks. "Phase Pure Triacetone Triperoxide: The Influence of Ionic Strength, Oxidant Source, and Acid Catalyst." *Crystal Growth & Design* 13, no. 6 (2013): 2307-2311.
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19) Hikal, Walid M., Alan K. Burnham, and Brandon L. Weeks. "Simultaneous determination of diffusion and sublimation kinetics at nanoscale: Pentaerythritol tetranitrate." *Applied Physics Letters* 102, no. 16 (2013): 163104.

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20) Zhang, Xin, Walid M. Hikal, Yue Zhang, Sanjoy K. Bhattacharia, Li Li, Siddharth Panditrao, Shiren Wang, and Brandon L. Weeks. "Direct laser initiation and improved thermal stability of nitrocellulose/graphene oxide nanocomposites." *Applied Physics Letters* 102, no. 14 (2013): 141905.
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21) Hikal, Walid M., and Brandon L. Weeks. "Spectroscopic determination of enthalpies of sublimation of organic materials in the vapor phase: Benzoic acid, ferrocene, and naphthalene." *Chemical Physics* 415 (2013): 228-231.
Times Cited: 2

22) Liao, Yen-Chih, William Hargrove, and Brandon L. Weeks. "Effect of Humidity and Hydrophobicity on the Tribological Properties of Self-Assembled Monolayers." *The Scientific World Journal* 2013 (2013).
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23) Bushuyev, Oleksandr S., Geneva R. Peterson, Preston Brown, Amitesh Maiti, Richard H. Gee, Brandon L. Weeks, and Louisa J. Hope-Weeks. "Metal–Organic Frameworks (MOFs) as Safer, Structurally Reinforced Energetics."*Chemistry-A European Journal* 19, no. 5 (2013): 1706-1711.
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24) Hikal, Walid M., Sanjoy K. Bhattacharia, and Brandon L. Weeks. "Effect of Porphyrin Doping on Thermodynamic Parameters of Pentaerythritol Tetranitrate (PETN) Single Crystals." *Propellants, Explosives, Pyrotechnics*37, no. 6 (2012): 718-723.
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25) Zhang, Xin, Gengxin Zhang, Yen-Chih Liao, Brandon L. Weeks, and Zhao Zhang. "Embossing of organic thin films using a surfactant assisted lift-off technique." *Journal of colloid and interface science* 387, no. 1 (2012): 175-179.
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26) Hikal, Walid M., and Brandon L. Weeks. "Determination of sublimation rate of 2, 4, 6-trinitrotoluene (TNT) nano thin films using UV-absorbance spectroscopy." *Journal of thermal analysis and calorimetry* 110, no. 2 (2012): 955-960.
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27) Bhattacharia, Sanjoy K., Amitesh Maiti, Richard H. Gee, and Brandon L. Weeks. "Sublimation Properties of Pentaerythritol Tetranitrate Single Crystals Doped with Its Homologs." *Propellants, Explosives, Pyrotechnics* 37, no. 5 (2012): 563-568.
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28) Hikal, Walid M., Jeffrey T. Paden, and Brandon L. Weeks. "Rapid Estimation of Thermodynamic Parameters and Vapor Pressures of Volatile Materials at Nanoscale." *ChemPhysChem* 13, no. 11 (2012): 2729-2733.
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29) Hikal, Walid M., Sanjoy K. Bhattacharia, Geneva R. Peterson, and Brandon L. Weeks. "Controlling the coarsening stability of pentaerythritol tetranitrate (PETN) single crystals by the use of water." *Thermochimica Acta* 536 (2012): 63-67.
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30) Liao, Yen-Chih, Huizhong Sun, and Brandon L. Weeks. "Measuring the activation energy of thiol desorption using lateral force microscopy."*Scanning* 34, no. 3 (2012): 200-205.
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31) Bushuyev, Oleksandr S., Preston Brown, Amitesh Maiti, Richard H. Gee, Geneva R. Peterson, Brandon L. Weeks, and Louisa J. Hope-Weeks. "Ionic polymers as a new structural motif for high-energy-density materials."*Journal of the American Chemical Society* 134, no. 3 (2012): 1422-1425.
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32) Hikal, Walid M., Jeffrey T. Paden, and Brandon L. Weeks. "Thermo-optical determination of vapor pressures of TNT and RDX nanofilms." *Talanta* 87 (2011): 290-294.
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33) Hikal, Walid M., Jeffrey T. Paden, and Brandon L. Weeks. "Simple method for determining the vapor pressure of materials using UV-absorbance spectroscopy." *The Journal of Physical Chemistry B* 115, no. 45 (2011): 13287-13291.
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34) Bushuyev, Oleksandr S., Forrest A. Arguelles, Preston Brown, Brandon L. Weeks, and Louisa J. Hope-Weeks. "New Energetic Complexes of Copper (II) and the Acetone Carbohydrazide Schiff Base as Potential Flame Colorants for Pyrotechnic Mixtures." *European Journal of Inorganic Chemistry* 2011, no. 29 (2011): 4622-4625.
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35) Crane, Charles A., Eric S. Collins, Michelle L. Pantoya, and Brandon L. Weeks. "Nanoscale investigation of surfaces exposed to a thermite spray."*Applied Thermal Engineering* 31, no. 6 (2011): 1286-1292.
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36) Zhang, Gengxin, Brandon L. Weeks, and Mark Holtz. "Application of dynamic scaling to the surface properties of organic thin films: Energetic materials."*Surface Science* 605, no. 3 (2011): 463-467.
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37) Zhang, Xin, Xuan Ji, Shanshan Jiang, Lili Liu, Brandon L. Weeks, and Zhao Zhang. "Highly efficient synthesis of 9-fluorenones from 9 H-fluorenes by air oxidation." *Green Chemistry* 13, no. 7 (2011): 1891-1896.
Times Cited: 6

38) Zhang, Gengxin, and Brandon L. Weeks. "A device for testing thermal impact sensitivity of high explosives." *Propellants, Explosives, Pyrotechnics* 35, no. 5 (2010): 440-445.
Times Cited: 8

39) Zhang, G., S. K. Bhattacharia, and B. L. Weeks. "Effect of zinc doping on pentaerythritol tetranitrate single crystals." *Crystal Research and Technology*45, no. 7 (2010): 732-736.
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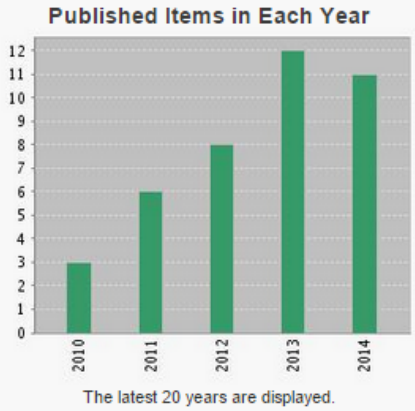
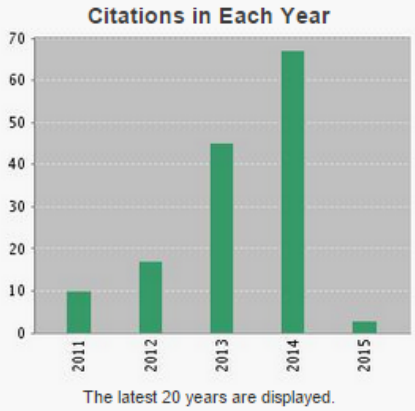
40) Zhang, Gengxin, and Brandon L. Weeks. "Surface morphology of organic thin films at various vapor flux." *Applied Surface Science* 256, no. 8 (2010): 2363-2366.
Times Cited: 4

List of Journals:

1) JOURNAL OF MATERIALS CHEMISTRY A
2) TALANTA
3) INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER
4) SCIENCE OF ADVANCED MATERIALS
5) POWDER TECHNOLOGY
6) JOURNAL OF HAZARDOUS MATERIALS
7) JOURNAL OF APPLIED PHYSICS
8) PROPELLANTS EXPLOSIVES PYROTECHNICS
9) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
10) RSC ADVANCES
11) THIN SOLID FILMS
12) NANO ENERGY
13) REVIEW OF SCIENTIFIC INSTRUMENTS
14) ACS SUSTAINABLE CHEMISTRY & ENGINEERING
15) JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
16) CHEMPLUSCHEM
17) CHEMPHYSCHEM
18) APPLIED PHYSICS LETTERS
19) CHEMICAL PHYSICS
20) SCIENTIFIC WORLD JOURNAL
21) CHEMISTRY-A EUROPEAN JOURNAL
22) PROPELLANTS EXPLOSIVES PYROTECHNICS
23) JOURNAL OF COLLOID AND INTERFACE SCIENCE
24) JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
25) THERMOCHIMICA ACTA
26) SCANNING
27) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
28) JOURNAL OF PHYSICAL CHEMISTRY B
29) EUROPEAN JOURNAL OF INORGANIC CHEMISTRY
30) APPLIED THERMAL ENGINEERING
31) SURFACE SCIENCE
32) GREEN CHEMISTRY
33) CRYSTAL RESEARCH AND TECHNOLOGY
34) APPLIED SURFACE SCIENCE





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h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	6	8	12	11	40	8.0
Citations	0	10	17	45	67	142	28.40

Title: Associate Professor

Name: Ronald C. Hedden

Web of Science Author Identifier: M-3909-2014

Number of publications 2010-2014: 13

Number of Times Cited: 63

H-index: 3

List of Publications:

1) Zhao, H. Y., Z. N. Yu, Fatema Begum, Ronald C. Hedden, and Sindee L. Simon. "The effect of nanoconfinement on methyl methacrylate polymerization:< i> T</i>< sub> g</sub>, molecular weight, and tacticity."*Polymer* 55, no. 19 (2014): 4959-4965.

Times Cited: 0

2) Parviz, Dorsa, Ziniu Yu, Ronald C. Hedden, and Micah J. Green. "Designer stabilizer for preparation of pristine graphene/polysiloxane films and networks." *Nanoscale* 6, no. 20 (2014): 11722-11731.

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3) Das, Sriya, Fahmida Irin, Lan Ma, Sanjoy K. Bhattacharia, Ronald C. Hedden, and Micah J. Green. "Rheology and morphology of pristine graphene/polyacrylamide gels." *ACS applied materials & interfaces* 5, no. 17 (2013): 8633-8640.

Times Cited: 2

4) Chen, Huipeng, Ziniu Yu, and Ronald C. Hedden. "Influence of thermal history on mesoscale ordering in polydomain smectic networks." *Journal of Polymer Science Part B: Polymer Physics* 51, no. 3 (2013): 225-230.

Times Cited: 1

5) Chen, Huipeng, Daniel M. Lentz, and Ronald C. Hedden. "Solution templating of Au and Ag nanoparticles by linear poly [2-(diethylamino) ethyl methacrylate]." *Journal of Nanoparticle Research* 14, no. 2 (2012): 1-14.

Times Cited: 2

6) Wajid, Ahmed S., Sriya Das, Fahmida Irin, H. S. Ahmed, John L. Shelburne, Dorsa Parviz, Robert J. Fullerton, Alan F. Jankowski, Ronald C. Hedden, and Micah J. Green. "Polymer-stabilized graphene dispersions at high concentrations in organic solvents for composite production." *Carbon* 50, no. 2 (2012): 526-534.

Times Cited: 42

7) Chen, Huipeng, Daniel M. Lentz, Alicyn M. Rhoades, Robert A. Pyles, Karl W. Haider, Siva A. Vanapalli, Ryan K. Nunley, and Ronald C. Hedden. "Surface infusion micropatterning of elastomeric substrates." *Microfluidics and nanofluidics* 12, no. 1-4 (2012): 451-464.

Times Cited: 0

8) Lentz, Daniel M., Alicyn M. Rhoades, Robert A. Pyles, Karl W. Haider, Mark S. Angelone, and Ronald C. Hedden. "Combinatorial study of a gold nanoparticle infusion process in a polymer film." *Journal of Nanoparticle Research* 13, no. 10 (2011): 4795-4808.
Times Cited: 1

9) Lentz, Daniel M., Huipeng Chen, Ziniu Yu, Harshad P. Patil, Charles A. Crane, and Ronald C. Hedden. "Influence of strain rate and temperature on necking transition in a polydomain smectic main chain elastomer." *Journal of Polymer Science Part B: Polymer Physics* 49, no. 8 (2011): 591-598.
Times Cited: 4

10) Mrozek, Randy A., Phillip J. Cole, Shannon M. Cole, John L. Schroeder, Duane A. Schneider, Ronald C. Hedden, and Joseph L. Lenhart. "Design of nonaqueous polymer gels with broad temperature performance: Impact of solvent quality and processing conditions." *Journal of Materials Research* 25, no. 06 (2010): 1105-1117.
Times Cited: 7

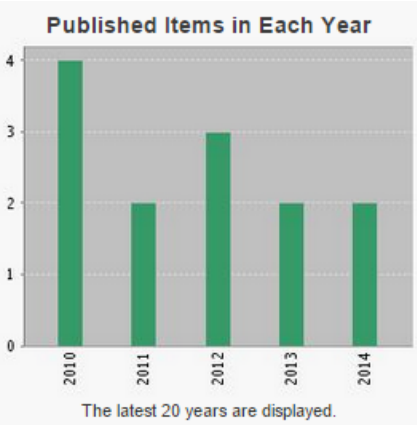
11) Iannuzzi, Morgan A., Roderick Reber III, Daniel M. Lentz, Jun Zhao, Lan Ma, and Ronald C. Hedden. "USANS study of porosity and water content in sponge-like hydrogels." *Polymer* 51, no. 9 (2010): 2049-2056.
Times Cited: 1

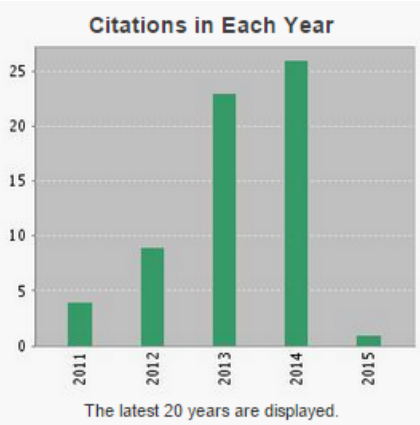
12) Masser, Kevin A., Harshad P. Patil, Ronald C. Hedden, James Runt. “Dynamics of main-chain liquid crystalline polysiloxanes containing p-phenyleneterephthalate mesogens.” *Journal of Non-crystalline Solids* 356, no. 11-17 (2010): 578-581.
Times Cited: 0

13) Lentz, Daniel M., Robert A. Pyles, and Ronald C. Hedden. "Surface infusion of gold nanoparticles into processed thermoplastics." *Polymer Engineering & Science* 50, no. 1 (2010): 120-127.
Times Cited: 3

List of Journals:

1) POLYMER
2) NANOSCALE
3) ACS APPLIED MATERIALS & INTERFACES
4) JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS
5) JOURNAL OF NANOPARTICLE RESEARCH
6) CARBON
7) MICROFLUIDICS AND NANOFLUIDICS
8) JOURNAL OF MATERIALS RESEARCH
9) JOURNAL OF NON-CRYSTALLINE SOLIDS
10) POLYMER ENGINEERING AND SCIENCE





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Sum of Times Cited without self-citations [?] : 58
Citing Articles [?] : 63
Citing Articles without self-citations [?] : 58
Average Citations per Item [?] : 4.85
h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	2	3	2	2	13	2.6
Citations	0	4	8	23	26	63	12.60

Title: Associate Professor

Name: Rajesh S. Khare

Web of Science Author Identifier: J-2079-2014

Number of publications 2010-2014: 13

Number of Times Cited: 68

H-index: 6

List of Publications:

1) Khare, Ketan S., Fardin Khabaz, and Rajesh Khare. "Effect of Carbon Nanotube Functionalization on Mechanical and Thermal Properties of Cross-Linked Epoxy–Carbon Nanotube Nanocomposites: Role of Strengthening the Interfacial Interactions." *ACS applied materials & interfaces* (2014).
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2) Sirk, Timothy W., Ketan S. Khare, Mir Karim, Joseph L. Lenhart, Jan W. Andzelm, Gregory B. McKenna, and Rajesh Khare. "High strain rate mechanical properties of a cross-linked epoxy across the glass transition."*Polymer* 54, no. 26 (2013): 7048-7057.
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3) Khare, Ketan S., and Rajesh Khare. "Effect of Carbon Nanotube Dispersion on Glass Transition in Cross-Linked Epoxy–Carbon Nanotube Nanocomposites: Role of Interfacial Interactions." *The Journal of Physical Chemistry B* 117, no. 24 (2013): 7444-7454.
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4) Peri, Suma, Lakshmi Muthukumar, M. Nazmul Karim, and Rajesh Khare. "Dynamics of cello-oligosaYearharides on a cellulose crystal surface."*Cellulose* 19, no. 6 (2012): 1791-1806.
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5) Karim, Mir, Swapnil C. Kohale, Tsutomu Indei, Jay D. Schieber, and Rajesh Khare. "Determination of viscoelastic properties by analysis of probe-particle motion in molecular simulations." *Physical Review E* 86, no. 5 (2012): 051501.
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6) Khare, Ketan S., and Rajesh Khare. "Directed Diffusion Approach for Preparing Atomistic Models of Crosslinked Epoxy for Use in Molecular Simulations." *Macromolecular Theory and Simulations* 21, no. 5 (2012): 322-327.
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7) Soni, Nipun J., Po-Han Lin, and Rajesh Khare. "Effect of cross-linker length on the thermal and volumetric properties of cross-linked epoxy networks: A molecular simulation study." *Polymer* 53, no. 4 (2012): 1015-1019.
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8) Hegde, Govind A., Jen-fang Chang, Yeng-long Chen, and Rajesh Khare. "Conformation and diffusion behavior of ring polymers in solution: A comparison between molecular dynamics,

multiparticle collision dynamics, and lattice Boltzmann simulations." *The Journal of chemical physics* 135, no. 18 (2011): 184901.
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10) Peri, Suma, M. Nazmul Karim, and Rajesh Khare. "Potential of mean force for separation of the repeating units in cellulose and hemicellulose."*Carbohydrate research* 346, no. 6 (2011): 867-871.
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11) Lin, Po-Han, and Rajesh Khare. "Glass transition and structural properties of glycidyloxypropyl-heptaphenyl polyhedral oligomeric silsesquioxane-epoxy nanocomposites." *Journal of Thermal Analysis and Calorimetry* 102, no. 2 (2010): 461-467.
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12) Lin, Po-Han, and Rajesh Khare. "Local chain dynamics and dynamic heterogeneity in cross-linked epoxy in the vicinity of glass transition."*Macromolecules* 43, no. 15 (2010): 6505-6510.
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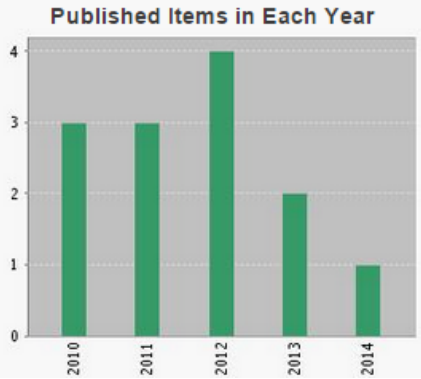
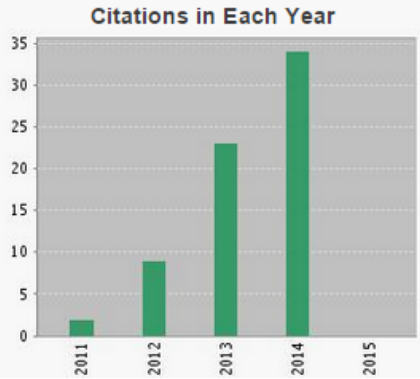
13) Kohale, Swapnil C., and Rajesh Khare. "Molecular dynamics simulation study of friction force and torque on a rough spherical particle." *The Journal of chemical physics* 132, no. 23 (2010): 234706.
Times Cited:1

List of Journals:

1) ACS APPLIED MATERIALS & INTERFACES
2) POLYMER
3) JOURNAL OF PHYSICAL CHEMISTRY B
4) CELLULOSE
5) MACROMOLECULAR THEORY AND SIMULATIONS
6) JOURNAL OF CHEMICAL PHYSICS
7) CARBOHYDRATE RESEARCH
8) JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY
9) MACROMOLECULES





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Sum of Times Cited without self-citations [?] : 52
Citing Articles [?] : 50
Citing Articles without self-citations [?] : 45
Average Citations per Item [?] : 5.2
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	3	4	2	1	13	2.6
Citations	0	2	9	23	34	68	13.60

Title: Associate Professor

Name: Jeremy Marston

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 24

Number of Times Cited: 151

H-index: 6

List of Publications:

1) Henry, D., J. Uddin, J. Thompson, M. G. Blyth, S. T. Thoroddsen, and J. O. Marston. "Multi-layer film flow down an inclined plane: experimental investigation." *Experiments in Fluids* 55, no. 12 (2014): 1-14.
Times Cited: 0

2) Marston, J. O., S. T. Thoroddsen, J. Thompson, M. G. Blyth, D. Henry, and J. Uddin. "Experimental investigation of hysteresis in the break-up of liquid curtains." *Chemical Engineering Science* 117 (2014): 248-263.
Times Cited: 1

3) Marston, Jeremy, Ivan Vakarelski, and Sigurdur Thoroddsen. "Ejecta evolution during cone impact." *Bulletin of the American Physical Society* 58 (2013).
Times Cited: 0

4) Marston, Jeremy O., Paul W. Riker, and Sigurdur T. Thoroddsen. "Generation of ultra-sound during tape peeling." *Scientific reports* 4 (2014).
Times Cited: 0

5) Mansoor, M. M., J. O. Marston, I. U. Vakarelski, and S. T. Thoroddsen. "Water entry without surface seal: extended cavity formation." *Journal of Fluid Mechanics* 743 (2014): 295-326.
Times Cited: 1

6) Mansoor, M. M., J. Uddin, J. O. Marston, I. U. Vakarelski, and S. T. Thoroddsen. "The onset of cavitation during the collision of a sphere with a wetted surface." *Experiments in Fluids* 55, no. 1 (2014): 1-7.
Times Cited: 1

7) Vakarelski, Ivan U., Derek YC Chan, Jeremy O. Marston, and Sigurdur T. Thoroddsen. "Dynamic Air Layer on Textured Superhydrophobic Surfaces."*Langmuir* 29, no. 35 (2013): 11074-11081.
Times Cited: 3

8) Marston, J. O., Y. Zhu, I. U. Vakarelski, and S. T. Thoroddsen. "Freezing drops with powders." *Physics of Fluids* 25, no. 9 (2013): 091107.
Times Cited: 0

9) Marston, J. O., M. M. Mansoor, and S. T. Thoroddsen. "Impact of granular drops." *Physical Review E* 88, no. 1 (2013): 010201.
Times Cited: 0

10) Lee, S., E. Q. Li, J. O. Marston, A. Bonito, and S. T. Thoroddsen. "Leaping shampoo glides on a lubricating air layer." *Physical Review E* 87, no. 6 (2013): 061001.
Times Cited: 0

11) Marston, J. O., J. E. Sprittles, Y. Zhu, E. Q. Li, I. U. Vakarelski, and S. T. Thoroddsen. "Drop spreading and penetration into pre-wetted powders."*Powder Technology* 239 (2013): 128-136.
Times Cited: 1

12) Vakarelski, Ivan U., Jeremy O. Marston, and Sigurdur T. Thoroddsen. "Foam-Film-Stabilized Liquid Bridge Networks in Evaporative Lithography and Wet Granular Matter." *Langmuir* 29, no. 16 (2013): 4966-4973.
Times Cited: 4

13) Vakarelski, Ivan U., Naofumi Teramoto, Cathy E. McNamee, Jeremy O. Marston, and Ko Higashitani. "Ionic enhancement of silica surface nanowear in electrolyte solutions." *Langmuir* 28, no. 46 (2012): 16072-16079.
Times Cited: 4

14) Vakarelski, Ivan U., Neelesh A. Patankar, Jeremy O. Marston, Derek YC Chan, and Sigurdur T. Thoroddsen. "Stabilization of Leidenfrost vapour layer by textured superhydrophobic surfaces." *Nature* 489, no. 7415 (2012): 274-277.
Times Cited: 42

15) Marston, J. O., Y. Zhu, I. U. Vakarelski, and S. T. Thoroddsen. "Deformed liquid marbles: Freezing drop oscillations with powders." *Powder Technology* 228 (2012): 424-428.
Times Cited: 6

16) Marston, J. O., E. Q. Li, and S. T. Thoroddsen. "Evolution of fluid-like granular ejecta generated by sphere impact." *Journal of Fluid Mechanics*704 (2012): 5-36.
Times Cited: 6

17) Marston, J. O., I. U. Vakarelski, and S. T. Thoroddsen. "Sphere impact and penetration into wet sand." *Physical Review E* 86, no. 2 (2012): 020301.
Times Cited: 7

18) Uddin, Jamal, Jeremy O. Marston, and Sigurdur T. Thoroddsen. "Squeeze flow of a Carreau fluid during sphere impact." *Physics of Fluids (1994-present)* 24, no. 7 (2012): 073104.
Times Cited: 4

19) Marston, J. O., I. U. Vakarelski, and S. T. Thoroddsen. "Cavity formation by the impact of Leidenfrost spheres." *Journal of Fluid Mechanics* 699 (2012): 465-488.
Times Cited: 2

20) Marston, J. O., I. U. Vakarelski, and S. T. Thoroddsen. "Bubble entrapment during sphere impact onto quiescent liquid surfaces." *Journal of Fluid Mechanics* 680 (2011): 660-670.
Times Cited: 8

21) Vakarelski, Ivan U., Jeremy O. Marston, Derek YC Chan, and Sigurdur T. Thoroddsen. "Drag reduction by Leidenfrost vapor layers." *Physical review letters* 106, no. 21 (2011): 214501.
Times Cited: 31

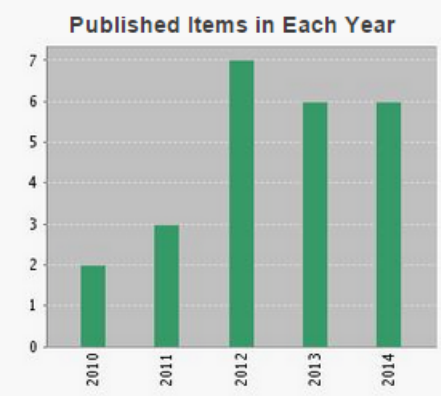
22) Marston, J. O., W. Yong, W. K. Ng, R. B. H. Tan, and S. T. Thoroddsen. "Cavitation structures formed during the rebound of a sphere from a wetted surface." *Experiments in fluids* 50, no. 3 (2011): 729-746.
Times Cited: 5

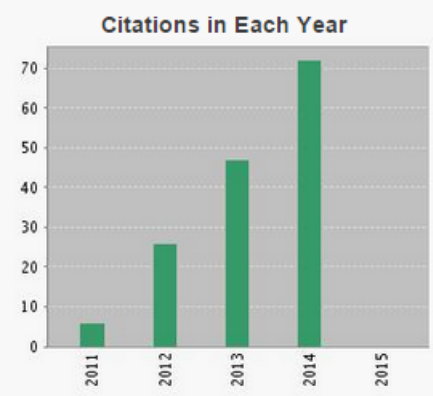
23) Marston, J. O., S. T. Thoroddsen, W. K. Ng, and R. B. H. Tan. "Experimental study of liquid drop impact onto a powder surface." *Powder Technology* 203, no. 2 (2010): 223-236.
Times Cited: 14

24) Marston, J. O., W. Yong, and S. T. Thoroddsen. "Direct verification of the lubrication force on a sphere travelling through a viscous film upon approach to a solid wall." *Journal of Fluid Mechanics* 655 (2010): 515-526.
Times Cited: 11

List of Journals:

1) EXPERIMENTS IN FLUIDS
2) CHEMICAL ENGINEERING SCIENCE
3) JOURNAL OF FLUID MECHANICS
4) LANGMUIR
5) PHYSICS OF FLUIDS
6) PHYSICAL REVIEW E
7) POWDER TECHNOLOGY
8) NATURE
9) PHYSICAL REVIEW LETTERS





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Citing Articles [?] : 1
Citing Articles without self-citations [?] : 1
Average Citations per Item [?] : 6
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	3	7	6	6	24	4.8
Citations	0	6	26	47	72	151	30.20

Title: Associate Professor

Name: Siva A. Vanapalli

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 16

Number of Times Cited: 69

H-index: 5

List of Publications:

1) Bhattacharjee, Biddut, and Siva A. Vanapalli. "Electrocoalescence based serial dilution of microfluidic droplets." *Biomicrofluidics* 8, no. 4 (2014): 044111.
Times Cited: 0

2) Bithi, Swastika S., William S. Wang, Meng Sun, Jerzy Blawzdziewicz, and Siva A. Vanapalli. "Coalescing drops in microfluidic parking networks: A multifunctional platform for drop-based microfluidics." *Biomicrofluidics* 8, no. 3 (2014): 034118.
Times Cited: 1

3) Solomon, Deepak E., and Siva A. Vanapalli. "Multiplexed microfluidic viscometer for high-throughput complex fluid rheology." *Microfluidics and Nanofluidics* 16, no. 4 (2014): 677-690.
Times Cited: 2

4) Maddala, Jeevan, Siva A. Vanapalli, and Raghunathan Rengaswamy. "Origin of periodic and chaotic dynamics due to drops moving in a microfluidic loop device." *Physical Review E* 89, no. 2 (2014): 023015.
Times Cited: 0

5) Kim, Jihye, and Siva A. Vanapalli. "Microfluidic Production of Spherical and Nonspherical Fat Particles by Thermal Quenching of Crystallizable Oils."*Langmuir* 29, no. 39 (2013): 12307-12316.
Times Cited: 2

6) Bilbao, Alejandro, Eligiusz Wajnryb, Siva A. Vanapalli, and Jerzy Blawzdziewicz. "Nematode locomotion in unconfined and confined fluids."*Physics of Fluids (1994-present)* 25, no. 8 (2013): 081902.
Times Cited: 0

7) Sun, Meng, and Siva A. Vanapalli. "Generation of Chemical Concentration Gradients in Mobile Droplet Arrays via Fragmentation of Long Immiscible Diluting Plugs." *Analytical chemistry* 85, no. 4 (2013): 2044-2048.
Times Cited: 2

8) Khan, Z. S., and S. A. Vanapalli. "Probing the mechanical properties of brain cancer cells using a microfluidic cell squeezer device." *Biomicrofluidics* 7, no. 1 (2013): 011806.
Times Cited: 5

9) Maddala, Jeevan, William S. Wang, Siva A. Vanapalli, and Raghunathan Rengaswamy. "Traffic of pairs of drops in microfluidic ladder networks with fore-aft structural asymmetry." *Microfluidics and nanofluidics* 14, no. 1-2 (2013): 337-344.
Times Cited: 1

10) Dewan, Alim, Jihye Kim, RebeYeara H. McLean, Siva A. Vanapalli, and Muhammad Nazmul Karim. "Growth kinetics of microalgae in microfluidic static droplet arrays." *Biotechnology and bioengineering* 109, no. 12 (2012): 2987-2996.
Times Cited: 14

11) Padmanabhan, Venkat, Zeina S. Khan, Deepak E. Solomon, Andrew Armstrong, Kendra P. Rumbaugh, Siva A. Vanapalli, and Jerzy Blawzdziewicz. "Locomotion of C. elegans: a piecewise-harmonic curvature representation of nematode behavior." *PloS one* 7, no. 7 (2012): e40121.
Times Cited: 2

12) Maddala, Jeevan, Babji Srinivasan, Swastika S. Bithi, Siva A. Vanapalli, and Raghunathan Rengaswamy. "Design of a model-based feedback controller for active sorting and synchronization of droplets in a microfluidic loop."*AIChE Journal* 58, no. 7 (2012): 2120-2130.
Times Cited: 6

13) Sun, Meng, Zeina S. Khan, and Siva A. Vanapalli. "Blood plasma separation in a long two-phase plug flowing through disposable tubing." *Lab on a Chip*12, no. 24 (2012): 5225-5230.
Times Cited: 5

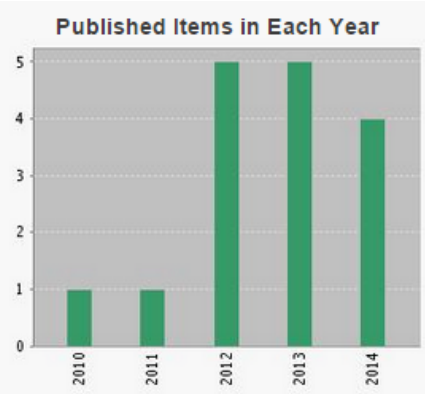
14) Chen, Huipeng, Daniel M. Lentz, Alicyn M. Rhoades, Robert A. Pyles, Karl W. Haider, Siva A. Vanapalli, Ryan K. Nunley, and Ronald C. Hedden. "Surface infusion micropatterning of elastomeric substrates." *Microfluidics and nanofluidics* 12, no. 1-4 (2012): 451-464.
Times Cited: 0

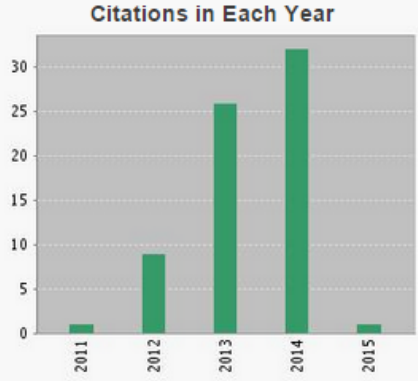
15) Sun, Meng, Swastika S. Bithi, and Siva A. Vanapalli. "Microfluidic static droplet arrays with tuneable gradients in material composition." *Lab Chip* 11, no. 23 (2011): 3949-3952.
Times Cited: 18

16) Bithi, Swastika S., and Siva A. Vanapalli. "Behavior of a train of droplets in a fluidic network with hydrodynamic traps." *Biomicrofluidics* 4, no. 4 (2010): 044110.
Times Cited: 11

List of Journals:

1) BIOMICROFLUIDICS
2) MICROFLUIDICS AND NANOFLUIDICS
3) PHYSICAL REVIEW E
4) LANGMUIR
5) PHYSICS OF FLUIDS
6) ANALYTICAL CHEMISTRY
7) BIOTECHNOLOGY AND BIOENGINEERING
8) PLOS ONE
9) AICHE JOURNAL
10) LAB ON A CHIP





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Average Citations per Item [?] : 4.31
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	1	5	5	4	16	3.2
Citations	1	1	9	26	32	69	13.80

Title: Associate Professor

Name: Mark W. Vaughn

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of Times Cited: 16

H-index: 1

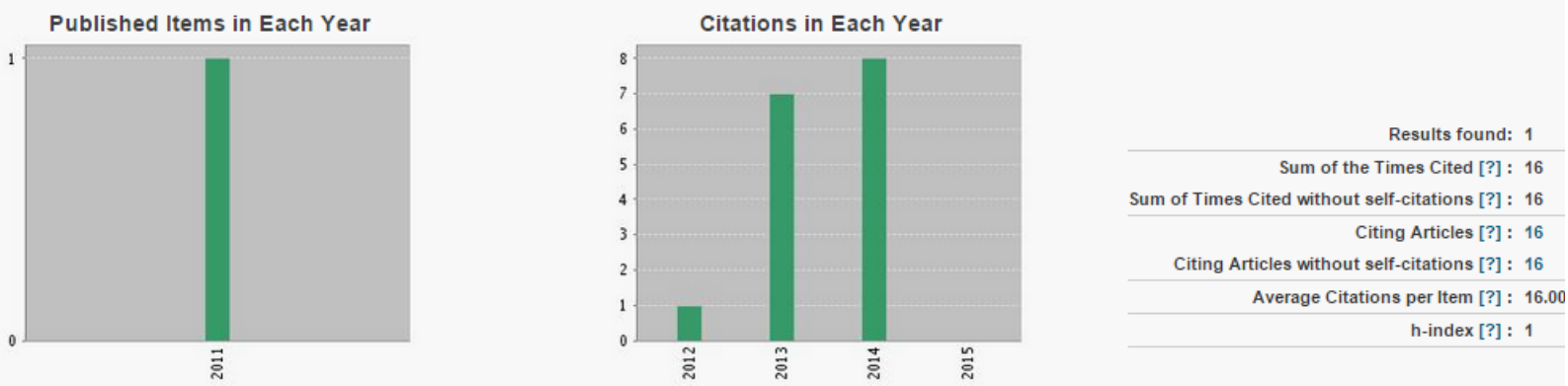
List of Publications:

1) Qiu, Liming, Creighton Buie, Andrew Reay, Mark W. Vaughn, and Kwan Hon Cheng. "Molecular dynamics simulations reveal the protective role of cholesterol in β-amyloid protein-induced membrane disruptions in neuronal membrane mimics." *The Journal of Physical Chemistry B* 115, no. 32 (2011): 9795-9812.

Times Cited: 16

List of Journals:

1) JOURNAL OF PHYSICAL CHEMISTRY B



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	0	0	0	1	0.20
Citations	0	0	1	7	8	16	3.20

Title: Associate Professor

Name: Theodore F. Wiesner

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of Times Cited: 8

H-index: 2

List of Publications:

1) Xu, Rong, and Theodore F. Wiesner. "Conceptual design of a two-step solar hydrogen thermochemical cycle with thermal storage in a reaction intermediate." *International Journal of Hydrogen Energy* 39, no. 24 (2014): 12457-12471.

Times Cited: 0

2) Xu, Rong, and Theodore F. Wiesner. "Dynamic model of a solar thermochemical water-splitting reactor with integrated energy collection and storage." *International Journal of Hydrogen Energy* 37, no. 3 (2012): 2210-2223.

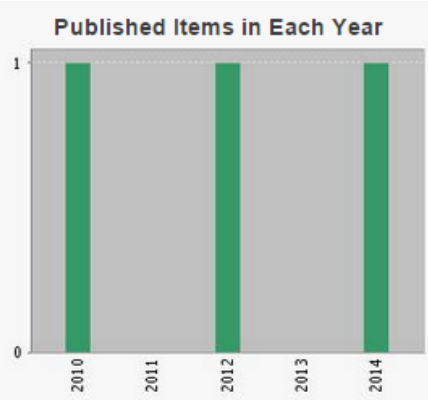
Times Cited: 4

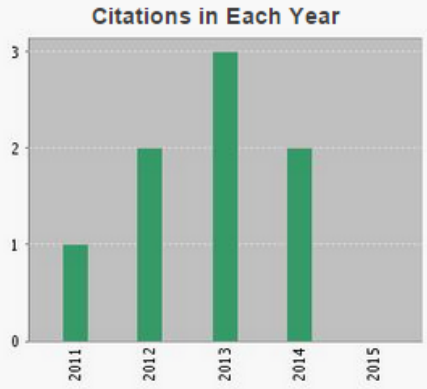
3) Xia, Shu, Nichole Hodge, Melvin Laski, and Theodore F. Wiesner. "Middle-molecule uremic toxin removal via hemodialysis augmented with an immunosorbent packed bed." *Industrial & Engineering Chemistry Research*49, no. 3 (2009): 1359-1369.

Times Cited: 4

List of Journals:

1) INTERNATIONAL JOURNAL OF HYDROGEN ENERGY
2) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH





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Citing Articles without self-citations [?] : 7
Average Citations per Item [?] : 2.
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	1	0	1	3	0.60
Citations	0	1	2	3	2	8	1.60

Title: Assistant Professor

Name: Harvinder Gill

Web of Science Author Identifier: D-8252-2014

Number of publications 2010-2014: 9

Number of Times Cited: 286

H-index: 6

List of Publications:

1) Wang, Bao-Zhong, Harvinder S. Gill, Cheng He, Changbo Ou, Li Wang, Ying-Chun Wang, Hao Feng, Han Zhang, Mark R. Prausnitz, and Richard W. Compans. "Microneedle delivery of an m2e-tlr5 ligand fusion protein to skin confers broadly cross-protective influenza immunity." *Journal of Controlled Release* 178 (2014): 1-7.

Times Cited: 2

2) Tao, Wenqian, Katherine S. Ziemer, and Harvinder S. Gill. "Gold nanoparticle-m2e conjugate coformulated with cpg induces protective immunity against influenza a virus." *Nanomedicine* 9, no. 2 (2014): 237-251.

Times Cited: 3

3) Luo, Zhen, Ting Ye, Yunzhe Ma, Harvinder Singh Gill, and N. Nitin. "Microprecision Delivery of Oligonucleotides in a 3D Tissue Model and Its Characterization Using Optical Imaging." *Molecular pharmaceutics* 10, no. 8 (2013): 2868-2879.

Times Cited: 1

4) Wang, Bao-Zhong, Harvinder S. Gill, Sang-Moo Kang, Li Wang, Ying-Chun Wang, Elena V. Vassilieva, and Richard W. Compans. "Enhanced influenza virus-like particle vaYearines containing the extracellular domain of matrix protein 2 and a Toll-like receptor ligand." *Clinical and VaYearine Immunology*19, no. 8 (2012): 1119-1125.

Times Cited: 13

5) Gupta, Jyoti, Harvinder S. Gill, Samantha N. Andrews, and Mark R. Prausnitz. "Kinetics of skin resealing after insertion of microneedles in human subjects." *Journal of Controlled Release* 154, no. 2 (2011): 148-155.

Times Cited: 38

6) Paust, Silke, Harvinder S. Gill, Bao-Zhong Wang, Michael P. Flynn, E. Ashley Moseman, Balimkiz Senman, Marian Szczepanik et al. "Critical role for the chemokine receptor CXCR6 in NK cell-mediated antigen-specific memory of haptens and viruses." *Nature immunology* 11, no. 12 (2010): 1127-1135.

Times Cited: 136

7) Banks, Stan L., Raghotham R. Pinninti, Harvinder S. Gill, Kalpana S. Paudel, Peter A. Crooks, Nicole K. Brogden, Mark R. Prausnitz, and Audra L. Stinchcomb. "Transdermal delivery of naltrexol and skin permeability lifetime after microneedle treatment in hairless guinea pigs." *Journal of pharmaceutical sciences* 99, no. 7 (2010): 3072-3080.

Times Cited: 26

8) Gill, Harvinder S., Jonas Söderholm, Mark R. Prausnitz, and Matti Sällberg. "Cutaneous vaYearination using microneedles coated with hepatitis C DNA vaYearine." *Gene therapy* 17, no. 6 (2010): 811-814.

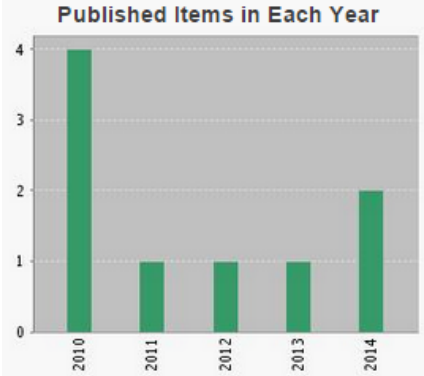
Times Cited: 42

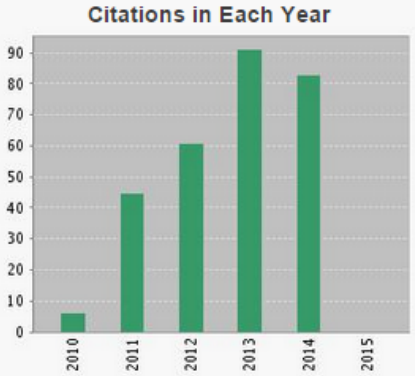
9) Choi, Seong-O., Yeu Chun Kim, Jung-Hwan Park, Joshua Hutcheson, Harvinder S. Gill, Yong-Kyu Yoon, Mark R. Prausnitz, and Mark G. Allen. "An electrically active microneedle array for electroporation." *Biomedical microdevices* 12, no. 2 (2010): 263-273.

Times Cited: 25

List of Journals:

1) JOURNAL OF CONTROLLED RELEASE
2) NANOMEDICINE
3) MOLECULAR PHARMACEUTICS
4) CLINICAL AND VAYEARINE IMMUNOLOGY
5) NATURE IMMUNOLOGY
6) GENE THERAPY
7) BIOMEDICAL MICRODEVICES





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Average Citations per Item [?] : 31.78
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	1	1	1	2	9	1.80
Citations	6	45	61	91	83	286	47.67

Title: Assistant Professor

Name: Carla M. R. Lacerda

Web of Science Author Identifier: C-7654-2011

Number of publications 2010-2014: 5

Number of Times Cited: 30

H-index: 4

List of Publictions:

1) Lacerda, Carla MR, John Kisiday, Brennan Johnson, and E. Christopher Orton. "Local serotonin mediates cyclic strain-induced phenotype transformation, matrix degradation, and glycosaminoglycan synthesis in cultured sheep mitral valves." *American Journal of Physiology-Heart and Circulatory Physiology* 302, no. 10 (2012): H1983-H1990.

Times Cited: 4

2) Orton, E. Christopher, Carla MR Lacerda, and Holly B. MacLea. "Signaling pathways in mitral valve degeneration." *Journal of Veterinary Cardiology* 14, no. 1 (2012): 7-17.

Times Cited: 8

3) Lacerda, Carla MR, Holly B. MacLea, John D. Kisiday, and E. Christopher Orton. "Static and cyclic tensile strain induce myxomatous effector proteins and serotonin in canine mitral valves." *Journal of Veterinary Cardiology* 14, no. 1 (2012): 223-230.

Times Cited: 7

4) Arai, Shiori, Carla Lacerda, and E. Christopher Orton. "Tissue-gel electrophoresis enhances antigen removal from porcine aortic valve and bovine pericardium." *The Journal of heart valve disease* 19, no. 6 (2010): 753-758.

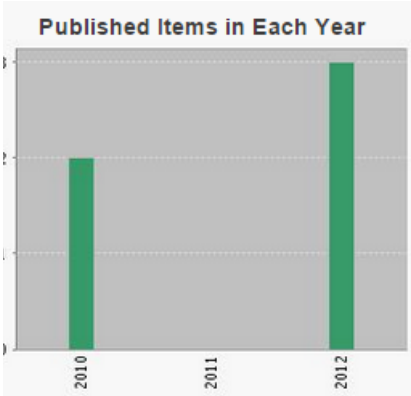
Times Cited:1

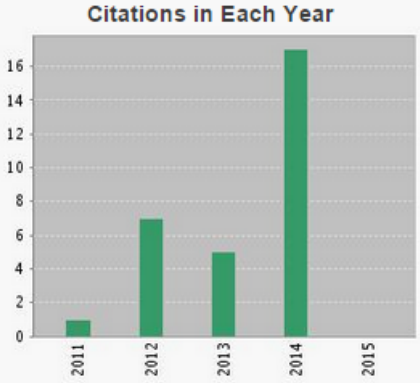
5) Disatian, Sirilak, Carla Lacerda, and E. Christopher Orton. "Tryptophan hydroxylase 1 expression is increased in phenotype-altered canine and human degenerative myxomatous mitral valves." *Journal of Heart Valve Disease* 19, no. 1 (2010): 71.

Times Cited: 10

List of Journals:

1) AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY
2) JOURNAL OF VETERINARY CARDIOLOGY
3) JOURNAL OF HEART VALVE DISEASE





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Citing Articles without self-citations [?] : 15
Average Citations per Item [?] : 6.00
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	0	3	0	0	5	1.00
Citations	0	1	7	5	17	30	6.00

Title: Assistant Professor

Name: Wei Li

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of Times Cited: 196

H-index: 3

List of Publictions:

1) W. Li, J. Greener, J. Ren, V. Pakharenko, D. Voicu, T. Tang, E. Kumacheva, " Rapid, Cost-efficient Fabrication of Microfluidic Reactors in Thermoplastic Polymers by Combining Photo-lithography and Hot Embossing." *Lab Chip* 10, no. 4 (2010): 522-524.

Times Cited: 29

2) K. Liu, Z. Nie, N. Zhao, W. Li, M. Rubinstein, E. Kumacheva, E. "Step-Growth Polymerization of Inorganic Nanoparticles." *Science* 329, no. 5988 (2010): 197-200.

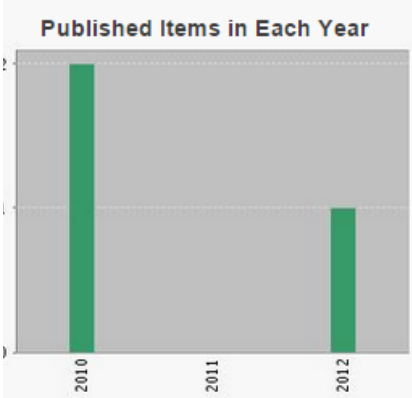
Times Cited: 152

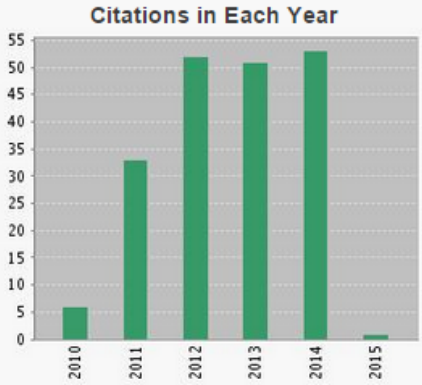
3) W. Li, K. Liu, R. Simms, J. Greener, S. Pinto, A. Guenther, E. Kumacheva, "A Microfluidic Study of fast gas-liquid reactions." *Journal of the American Chemical Society* 134, no. 6 (2010): 3127-3132.

Times Cited: 14

List of Journals:

1) LAB CHIP
2) SCIENCE
3) JOURNAL OF AMERICAN CHEMICAL SOCIETY





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h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	0	1	0	0	3	0.60
Citations	7	33	52	51	53	196	39.20

Oregon State University Tenure & Tenured Track Professors

Title: Professor & Associate Dean

Name: Dorthe Wildenschild

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 21

Number of times cited: 169

H-index: 7

List of Publications:

1) Herring, Anna L., Linnea Andersson, D. L. Newell, J. W. Carey, and Dorthe Wildenchild. "Pore-scale observations of supercritical CO2 drainage in Bentheimer sandstone by synchrotron x-ray imaging." *International Journal of Greenhouse Gas Control* 25 (2015): 93-101.

Times Cited: 0

2) Schlueter, Steffen, Adrian Sheppard, Kendra Brown, and Dorthe Wildenschild. "Image Processing of multiphase images obtained via X-ray microtomography: A review." *Water Resources Research* 50, no. 4 (2014): 3615-3639.

Times Cited: 2

3) Naveed, Muhammad, Per Moldrup, Hans-Joerg Vogel, Mathieu Lamande, Dorthe Wildenschild, Markus Tuller, and Lis Wollesen de Jonge. " Impact of long-term fertilization practice on soil structure evolution." *Geoderma* 217 (2014): 181-189.

Times Cited: 0

4) Brown, K., Schlueter, S., Sheppard A., and Dorthe Wildenschild. "On the challenges of measuring interfacial characteristics of three-phase fluid flow with x-ray microtomography." *Journal of Microscopy* 253, no. 3 (2014): 171-182.

Times Cited: 2

5) Herring, Anna L., Elizabeth J. Harper, Linnea Anderson, Adrian Sheppard, Brian K. Bay, and Dorthe WIldenschild. "Effect of fluid topology on residual nonwetting phase trapping: Implications for geologic CO2 sequestration." *Advances in Water Resources* 62, (2013): 47-58.

Times cited: 1

6) Mathieu, Lamande, Dorthe Wildenschild, Feto E. Berisso, Amin Garbout, Mike Marsh, Per Moldrup, Thomas Keller, Soren B. Hansen, Lis W. de Jonge, and Per Schjonning. "X-ray CT and Laboratory Measurements on Glacial Till Subsoil Cores: Assessment of Inherent and Compaction-Affected Soil Structure Characteristics." *Soil Science* 178, no. 7 (2013): 359-368.

Times Cited: 1

7) Joekar-Niasar V., Doster F., Armstrong, R. T., Wildenschild, D., and Celia, M. A. "Trapping and hysteresis in two-phase flow in porous media: A pore-network study." *Water Resources Research* 49, no. 7 (2013): 4244-4256.

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8) Naveed, Muhammad, Per Moldrup, Emmanuel Arthur, Dorthe Wildenschild, Marie Eden, Mathieu Lamand, Hans-Jaerg Vogel, and Lis Wollesen de Jonge. "Revealing Soil Structure and Functional Macroporosity along a Clay Gradient Using X-ray Computed Tomography." *Soil Science Society of America Journal* 77, no. 2 (2013): 403-411.

Times Cited: 4

9) Muhammad, Naveed, Scoichiro, Ken Kawamoto, Toshihiro, Sakaki, Manabu Takahashi, Toshiko Komatsu, Per Moldrup, Mathieu Lamande, Dorthe Wildenschild, Masa Prodanovic Masa, and Lis Wollesen de Jonge. "Correlating Gas Transport Parameters and X-Ray Computed Tomography Measurements in Porous Media." *Soil Science* 178, no. 2 (2013): 60-68.

Times Cited: 2

10) Wildenschild, Dorthe, and Adrian P. Sheppard. "X-ray imaging and analysis techniques for quantifying pore-scale structure and processes in subsurface porous medium systems." *Advances in Water Resources* 51 (2010): 217-246.

Times Cited: 38

11) Armstrong, Ryan T., and Dorthe Wildenschild. "Investigating the pore-scale mechanisms of microbial enhanced oil recovery." *Journal of Petroleum Science and Engineering* 94-95 (2012): 155-164.

Times Cited: 7

12) Armstrong, Ryan T., Mark L. Porter, and Dorthe Wildenschild. "Linking pore-scale interfacial curvature to column-scale capillary pressure." *Advances in Water Resources* 46 (2012): 55-62.

Times Cited: 7

13) Armstrong, Ryan T., and Dorthe Wildenschild. "Microbial Enhanced Oil Recovery in Fractional-Wet Systems: A Pore-Scale Investigation." *Transport in Porous Media* 92, no. 3 (2012): 819-835.

Times Cited: 8

14) de Jonge, L. W, Moldrup P., Vendelboe, A. L., Tuller, M., and Wildenshild, D. "Soil Architecture and Physicochemical Functions: An Introduction." *Vadose Zone Journal* 11, no. 1 (2012).

Times cited: 1

15) Kulkarni, Ramaprasad, Markus Tuller, Wolfgang Fink, and Dorthe Wildenschild. "Three-Dimensional Multiphase Segmentation of X-Ray CT Data of Porous Materials Using a Bayesian Markov Random Field Framework." *Vadose Zone Journal* 11, no. 1 (2012).

Times Cited: 4

16) Jansik, D. P., D. Wildenschild, and N. D. Rosenberg. "Flow Processes in the Dry Regime: The Effect on Capillary Barrier Performance." *Vadose Zone Journal* 10, no.4 (2011): 1173-1184.

Times Cited: 1

17) Davit, Y., G. Iltis, G. Debenest, S. Veran-Tissoires, D. Wildenschild, M. Gerino, and M. Quintard. "Imaging biofilm in porous media using X-ray computed microtomography." *Journal of Microscopy* 242, no. 1 (2011): 15-25.

Times Cited: 14

18) Iltis, G.C., Ryan T. Armstrong, Danielle P. Jansik, Brian D. Wood, and Dorthe WIldenschild. "Imaging biofilm architecture within porous media using synchrotron-based X-ray computed microtomography." *Water Resources Research* 47 (2011).

Times Cited: 7

19) Prter, Mark L., Dorthe Wildenschild, Gavin Grant, and Jason I. Gerhard. “Measurement and prediction of the relationship between capillary pressure, saturation, and interfacial area in a NAPL-water-glass bead system.” *Water Resources Research* 46 (2010).

Times Cited: 21

20) Joekar-Niasar, V., M. Prodanaovi, D. Wildenschild, and S. M. Hassanizadeh. “Network model investigation of interfacial area, capillary pressure and saturation relationships in granular porous media.” *Water Resources Research* 46 (2010).

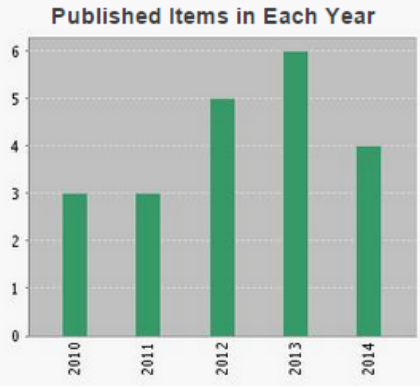
Times Cited: 24

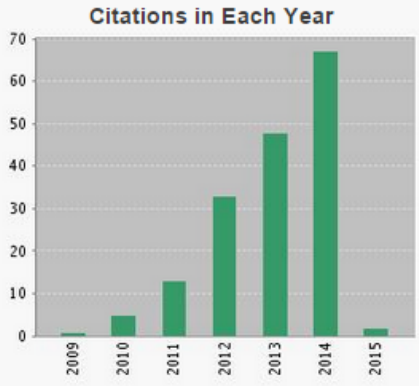
21) Porter, Mark L., and Dorthe WIldenschild. “Image analysis algorithms for estimating porous media multiphase flow variables from computed microtomography data: a validation study.” *Computational Geoscience* 14, no. 1 (2010): 15-30.

Times Cited: 22

List of Journal:

1) INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL
2) WATER RESOURCES RESEARCH
3) GEODERMA
4) JOURNAL OF MICROSCOPY
5) ADVANCES IN WATER RESOURCES
6) SOIL SCIENCE
7) SOIL SCIENCE SOCIETY OF AMERICA JOURNAL
8) JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING
9) TRANSPORT IN POROUS MEDIA
10) VADOSE ZONE JOURNAL
11) JOURNAL OF MICROSCOPY
12) COMPUTATIONAL GEOSCIENCES





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Average Citations per Item [?] :	8.05
h-index [?] :	7

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	3	5	6	4	21	4.20
Citations	7	13	33	48	67	169	24.14

Title: Professor

Name: Chih-hung Chang

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 36

Number of times cited: 261

H-index: 8

List of Publications:

1) Kim, Ki-Joong, Richard P. Oleksak, Eric B. Hostetler, Daniel A. Peterson, Padmavathi Chandran, David M. Schut, Brian K. Paul, Gregory S. Herman, and Chih-Hung Chang. "Continuous Microwave-Assisted Gas–Liquid Segmented Flow Reactor for Controlled Nucleation and Growth of Nanocrystals." *Crystal Growth & Design* 14, no. 11 (2014): 5349-5355.
Times Cited: 0

2) Hwang, Yeon, Doh-Hyung Riu, Ki-Joong Kim, and Chih-Hung Chang. "Porous SiOC beads by freeze-drying polycarbosilane emulsions." *Materials Letters* (2014).
Times Cited: 0

3) Choi, Chang-Ho, and Chih-hung Chang. "Aqueous Synthesis of Tailored ZnO Nanocrystals, Nanocrystal Assemblies, and Nanostructured Films by Physical Means Enabled by a Continuous Flow Microreactor." *Crystal Growth & Design* 14, no. 9 (2014): 4759-4767.
Times Cited: 0

4) Hostetler, Eric B., Ki-Joong Kim, Richard P. Oleksak, Robert C. Fitzmorris, Daniel A. Peterson, Padmavathi Chandran, Chih-Hung Chang, Brian K. Paul, David M. Schut, and Gregory S. Herman. "Synthesis of colloidal PbSe nanoparticles using a microwave-assisted segmented flow reactor."*Materials Letters* 128 (2014): 54-59.
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5) Han, Katherine, and Chih-Hung Chang. "Numerical Modeling of Sub-Wavelength Anti-Reflective Structures for Solar Module Applications."*Nanomaterials* 4, no. 1 (2014): 87-128.
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6) Han, Katherine, Hai-Yue Han, James Stack Jr, and Chih-Hung Chang. "Finite difference time domain modeling of subwavelength-structured anti-reflective coatings." (2014).
Times Cited: 0

7) Kim, Ki-Joong, Richard P. Oleksak, Changqing Pan, Michael W. Knapp, Peter B. Kreider, Gregory S. Herman, and Chih-Hung Chang. "Continuous synthesis of colloidal chalcopyrite copper indium diselenide nanocrystal inks." *RSC Advances* 4, no. 32 (2014): 16418-16424.
Times Cited: 1

8) Kreider, Peter B., Ki-Joong Kim, and Chih-Hung Chang. "Two-step continuous-flow synthesis of CuInSe 2 nanoparticles in a solar microreactor."*RSC Advances* 4, no. 27 (2014): 13827-13830.
Times Cited: 0

9) Kim, Ki-Joong, Peter B. Kreider, Chih-Hung Chang, Chul-Min Park, and Ho-Geun Ahn. "Visible-light-sensitive nanoscale Au–ZnO photocatalysts."*Journal of nanoparticle research* 15, no. 5 (2013): 1-11.
Times Cited: 1

10) Su, Yu-Wei, Sudhir Ramprasad, Seung-Yeol Han, Wei Wang, Si-Ok Ryu, Daniel R. Palo, Brian K. Paul, and Chih-hung Chang. "Dense CdS thin films on fluorine-doped tin oxide coated glass by high-rate microreactor-assisted solution deposition." *Thin Solid Films* 532 (2013): 16-21.
Times Cited: 2

11) Kim, Ki-Joong, Yong Jun Li, Peter B. Kreider, Chih-Hung Chang, Nick Wannenmacher, Praveen K. Thallapally, and Ho-Geun Ahn. "High-rate synthesis of Cu–BTC metal–organic frameworks." *Chemical Communications* 49, no. 98 (2013): 11518-11520.
Times Cited: 4

12) Kim, Ki-Joong, Peter B. Kreider, Changho Choi, Chih-Hung Chang, and Ho-Geun Ahn. "Visible-light-sensitive Na-doped p-type flower-like ZnO photocatalysts synthesized via a continuous flow microreactor." *RSC Advances* 3, no. 31 (2013): 12702-12710.
Times Cited: 3

13) Ramprasad, Sudhir, Yu-Wei Su, Chih-Hung Chang, Brian K. Paul, and Daniel R. Palo. "Continuous microreactor-assisted solution deposition for scalable production of CdS films." *ECS Journal of Solid State Science and Technology* 2, no. 9 (2013): P333-P337.
Times Cited: 0

14) Vas-Umnuay, Paravee, and Chih-hung Chang. "Growth Kinetics of Copper Sulfide Thin Films by Chemical Bath Deposition." *ECS Journal of Solid State Science and Technology* 2, no. 4 (2013): P120-P129.
Times Cited: 1

15) Choi, Chang-Ho, Yu-Wei Su, and Chih-hung Chang. "Effects of fluid flow on the growth and assembly of ZnO nanocrystals in a continuous flow microreactor." *CrystEngComm* 15, no. 17 (2013): 3326-3333.
Times Cited: 4

16) Murali, Santosh, Jaana S. Rajachidambaram, Seung-Yeol Han, Chih-Hung Chang, Gregory S. Herman, and John F. Conley Jr. "Resistive switching in zinc–tin-oxide." *Solid-State Electronics* 79 (2013): 248-252.
Times Cited: 2

17) Tseng, Chih Heng T., Brian K. Paul, Chih-Hung Chang, and Mark H. Engelhard. "Continuous precipitation of ceria nanoparticles from a continuous flow micromixer." *The International Journal of Advanced Manufacturing Technology* 64, no. 1-4 (2013): 579-586.
Times Cited: 2

18) Han, Seung-Yeol, Brian K. Paul, and Chih-hung Chang. "Nanostructured ZnO as biomimetic anti-reflective coatings on textured silicon using a continuous solution process." *Journal of Materials Chemistry* 22, no. 43 (2012): 22906-22912.
Times Cited: 8

19) Flynn, Brendan, Wei Wang, Chih-hung Chang, and Gregory S. Herman. "Microwave assisted synthesis of Cu2ZnSnS4 colloidal nanoparticle inks."*physica status solidi (a)* 209, no. 11 (2012): 2186-2194.
Times Cited: 9

20) Paul, B. K., C. L. Hires, Y-W. Su, C-H. Chang, S. Ramprasad, and D. Palo. "A uniform residence time flow cell for the microreactor-assisted solution deposition of CdS on an FTO-glass substrate." *Crystal Growth & Design* 12, no. 11 (2012): 5320-5328.
Times Cited: 2

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Times Cited: 4

22) Rajachidambaram, Meena S., Tamas Varga, Libor Kovarik, Rahul Sanghavi, Vaithiyalingam Shutthanandan, Suntharampillai Thevuthasan, Seung-Yeol Han, Chih-Hung Chang, and Gregory S. Herman. "Formation of zinc oxide films using submicron zinc particle dispersions." *Journal of Vacuum Science & Technology B* 30, no. 4 (2012): 041805.
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23) Wang, Wei, Seung-Yeol Han, Shi-Joon Sung, Dae-Hwan Kim, and Chih-Hung Chang. "8.01% CuInGaSe 2 solar cells fabricated by air-stable low-cost inks." *Physical Chemistry Chemical Physics* 14, no. 31 (2012): 11154-11159.
Times Cited: 21

24) Ramprasad, Sudhir, Yu-Wei Su, Chih-hung Chang, Brian K. Paul, and Daniel R. Palo. "Cadmium sulfide thin film deposition: A parametric study using microreactor-assisted chemical solution deposition." *Solar Energy Materials and Solar Cells* 96 (2012): 77-85.
Times Cited: 4

25) Wang, Wei, Yu-Wei Su, and Chih-hung Chang." Inkjet printed chalcopyrite CuInxGa1-xSe2 thin film solar cells." *Solar Energy Materials and Solar Cells* 95, no. 9 (2011): 2616-2620.
Times Cited: 38

26) Han, Seung-Yeol, Gregory S. Herman, and Chih-hung Chang. "Low-temperature, high-performance, solution-processed indium oxide thin-film transistors." *Journal of the American Chemical Society* 133, no. 14 (2011): 5166-5169.
Times Cited: 72

27) Han, Seung-Yeol, and Chih-hung Chang. "Effects of Ozone Annealing on Solution-Processed Indium Zinc Oxide (IZO) Thin Film Transistors."*Electrochemical and Solid-State Letters* 14, no. 11 (2011): H442-H445.
Times Cited: 1

28) Jin, Hyung Dae, and Chih-Hung Chang. "Continuous synthesis of SnTe nanorods." *Journal of Materials Chemistry* 21, no. 33 (2011): 12218-12220.
Times Cited: 9

29) Gale, Debra K., Clayton Jeffryes, Timothy Gutu, Jun Jiao, Chih-hung Chang, and Gregory L. Rorrer. "Thermal annealing activates amplified photoluminescence of germanium metabolically doped in diatom biosilica."*Journal of Materials Chemistry* 21, no. 29 (2011): 10658-10665.
Times Cited: 7

30) Lee, Jin Young, Mi Sun Park, Tae Jin Lee, Ouk San Ryu, Chih-Hung Chang, and Si Ok Ryu. "Synthesis of CdTe Thin Films for Solar Cell using Solution-based Deposition Methods at Low Temperature." *Molecular Crystals and Liquid Crystals* 551, SI (2011): 161-190.
Times Cited: 0

31) Jin, Hyung Dae, Anna Garrison, T. Tseng, Brian K. Paul, and Chih-Hung Chang. "High-rate synthesis of phosphine-stabilized undecagold nanoclusters using a multilayered micromixer." *Nanotechnology* 21, no. 44 (2010): 445604.
Times Cited: 9

32) Hendricks, Terry J., Shankar Krishnan, Changho Choi, Chih-hung Chang, and Brian Paul. "Enhancement of pool-boiling heat transfer using nanostructured surfaces on aluminum and copper." *International Journal of Heat and Mass Transfer* 53, no. 15 (2010): 3357-3365.
Times Cited: 31

33) Kim, Chae Rin, Seung Yeol Han, Chih-Hung Chang, Tae Jin Lee, and Si Ok Ryu. "Synthesis and characterization of CuInSe2 thin films for photovoltaic cells by a solution-based deposition method." *Current Applied Physics* 10, no. 3 (2010): S1 383-386.
Times Cited: 11

34) Park, Mi Sun, Seung Yeol Han, Eun Jin Bae, Tae Jin Lee, Chih-Hung Chang, and Si Ok Ryu. "Synthesis and characterization of polycrystalline CuInS2 thin films for solar cell devices at low temperature processing conditions." *Current Applied Physics* 10, no. 3 (2010): S1 379-382.
Times Cited: 8

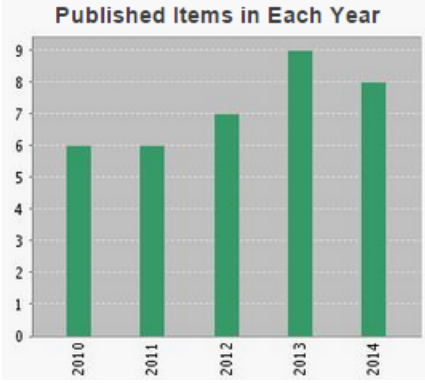
35) Han, S. Y., D. H. Lee, S. O. Ryu, and C.-H. Chang. "ZnS Thin Films Deposited by a Spin SuYearessive Ionic Layer Adsorption and Reaction Process." *Electrochemical and Solid State Letters* 13, no. 8 (2010): D61-D64.
Times Cited: 2

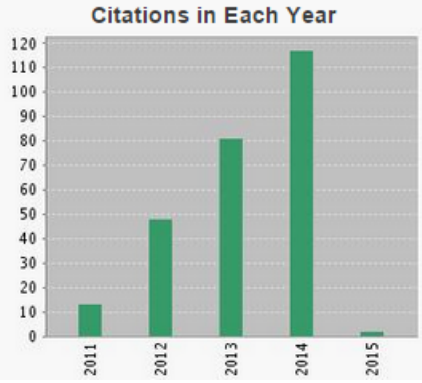
36) Kim, Chae Rin, Seung Yeol Han, Chih Hung Chang, Tae Jin Lee, and Si Ok Ryu. "A study on copper selenide thin films for photovoltaics by a continuous flow microreactor." *Molecular Crystals and Liquid Crystals* 532, no. 1 (2010): 39-455.
Times Cited: 1

List of Journals:

1) CRYSTAL GROWTH & DESIGN
2) MATERIALS LETTERS
3) NANOMATERIALS
4) APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL
5) RSC ADVANCES
6) JOURNAL OF NANOPARTICLE RESEARCH
7) THIN SOLID FILMS
8) CHEMICAL COMMUNICATIONS
9) ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY
10) CRYSTENGCOMM
11) INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY
12) SOLID-STATE ELECTRONICS
13) JOURNAL OF MATERIALS CHEMISTRY

14) PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE
15) JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B
16) PHYSICAL CHEMISTRY CHEMICAL PHYSICS
17) SOLAR ENERGY MATERIALS AND SOLAR CELLS
18) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
19) ELECTROCHEMICAL AND SOLID STATE LETTERS
20) MOLECULAR CRYSTALS AND LIQUID CRYSTALS
21) NANOTECHNOLOGY
22) INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER
23) CURRENT APPLIED PHYSICS





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Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	6	6	7	9	8	36	7.20
Citations	2	13	48	81	117	261	52.20

Title: Professor

Name: Goran N. Jovanovic

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 6

H-index: 2

List of Publications:

1) Heintz, Keely, Karl F. Schilke, Joshua Snider, Woo-Kul Lee, Mitchell Truong, Matthew Coblyn, Goran Jovanovic, and Joseph McGuire. "Preparation and evaluation of PEO-coated materials for a microchannel hemodialyzer."*Journal of Biomedical Materials Research Part B: Applied Biomaterials*(2013).

Times Cited: 0

2) Mohammadi, Mahshid, Goran N. Jovanovic, and Kendra V. Sharp. "Numerical study of flow uniformity and pressure characteristics within a microchannel array with triangular manifolds." *Computers & Chemical Engineering* 52 (2013): 134-144.

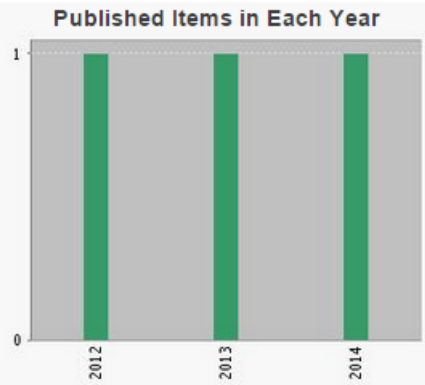
Times Cited: 4

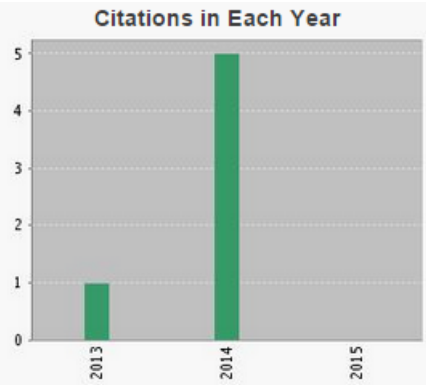
3) Tuhy, Alana R., Eric K. Anderson, and Goran N. Jovanovic. "Urea separation in flat-plate microchannel hemodialyzer; experiment and modeling."*Biomedical microdevices* 14, no. 3 (2012): 595-602.

Times Cited: 2

List of Journals:

1) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS
2) COMPUTERS & CHEMICAL ENGINEERING
3) BIOMEDICAL MICRODEVICES





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h-index [?] : 2

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Title: Professor

Name: Milo D. Koretsky

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 5

Number of times cited: 9

H-index: 2

List of Publications:

1) Sherrett, Benjamin U., Erick J. Nefcy, Edith S. Gummer, and Milo D. Koretsky. "An Expert Solution to Assess an Industrially Situated, Computer-Enabled Design Project." *Journal of Engineering Education* 102, no. 4 (2013): 541-576.

Times Cited: 0

2) Brooks, Bill J., and Milo D. Koretsky. "The influence of group discussion on students' responses and confidence during peer instruction." *Journal of Chemical Education* 88, no. 11 (2011): 1477-1484.

Times Cited: 1

3) Koretsky, Milo, Christine Kelly, and Edith Gummer. "Student perceptions of learning in the laboratory: Comparison of industrially situated virtual laboratories to capstone physical laboratories." *Journal of Engineering Education* 100, no. 3 (2011): 540-573.

Times Cited: 4

4) Jameson, Andrew D., J. W. Kevek, J. L. Tomaino, Meghan Hemphill-Johnston, M. J. Paul, M. Koretsky, Ethan D. Minot, and Yun-Shik Lee. "Terahertz spectroscopy of Ni–Ti alloy thin films." *Applied Physics Letters* 98, no. 22 (2011): 221111.

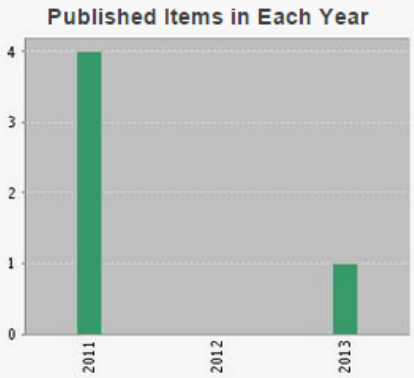
Times Cited: 3

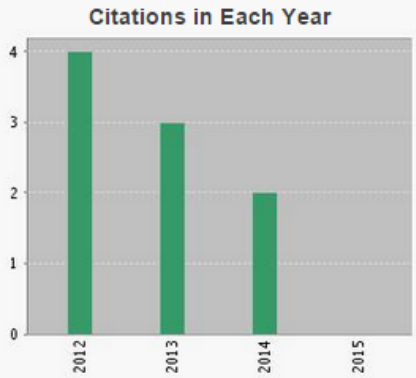
5) Koretsky, Milo D., and Bill J. Brooks. "Comparison of Student Responses to Easy and Difficult Thermodynamics Conceptual Questions during Peer Instruction." *International Journal of Engineering Education* 27, no. 4 (2011): 897-908.

Times Cited: 1

List of Journals:

1) JOURNAL OF ENGINEERING EDUCATION
2) JOURNAL OF CHEMICAL EDUCATION
3) APPLIED PHYSICS LETTERS
4) INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION





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Sum of Times Cited without self-citations [?] : 8
Citing Articles [?] : 9
Citing Articles without self-citations [?] : 8
Average Citations per Item [?] : 1.80
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	1	1	1	3	0.60
Citations	0	0	4	3	2	9	1.80

Title: Associate Professor/Associate Dean

Name: Christine Kelly

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 16

H-index: 1

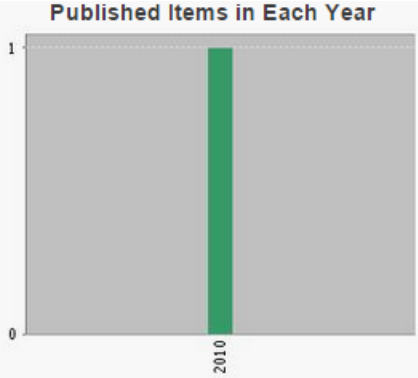
List of Publications:

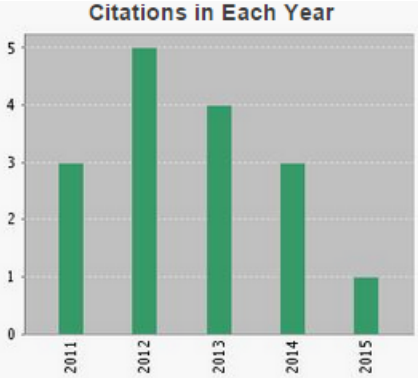
1) Schilke, Karl F., Kelly L. Wilson, Timothy Cantrell, Giancarlo Corti, David N. McIlroy, and Christine Kelly. "A novel enzymatic microreactor with Aspergillus oryzae β-galactosidase immobilized on silicon dioxide nanosprings." *Biotechnology progress* 26, no. 6 (2010): 1597-1605.

Times Cited: 16

List of Journals:

1) BIOTECHNOLOGY PROGRESS





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Sum of Times Cited without self-citations [?] : 16
Citing Articles [?] : 16
Citing Articles without self-citations [?] : 16
Average Citations per Item [?] : 16.00
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	0	0	1	0.20
Citations	1	3	6	4	3	16	3.20

Title: Associate Professor

Name: Gregory S. Herman

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 16

Number of times cited: 108

H-index: 4

List of Publications:

1) Kim, Ki-Joong, Richard P. Oleksak, Eric B. Hostetler, Daniel A. Peterson, Padmavathi Chandran, David M. Schut, Brian K. Paul, Gregory S. Herman, and Chih-Hung Chang. "Continuous Microwave-Assisted Gas–Liquid Segmented Flow Reactor for Controlled Nucleation and Growth of Nanocrystals." *Crystal Growth & Design* 14, no. 11 (2014): 5349-5355.
Times Cited: 0

2) Hostetler, Eric B., Ki-Joong Kim, Richard P. Oleksak, Robert C. Fitzmorris, Daniel A. Peterson, Padmavathi Chandran, Chih-Hung Chang, Brian K. Paul, David M. Schut, and Gregory S. Herman. "Synthesis of colloidal PbSe nanoparticles using a microwave-assisted segmented flow reactor."*Materials Letters* 128 (2014): 54-59.
Times Cited: 3

3) Flynn, Brendan, Daeho Kim, Benjamin L. Clark, Alan Telecky, Liney Arnadottir, Janos Szanyi, Douglas A. Keszler, and Gregory S. Herman. "In-situ characterization of aqueous-based hafnium oxide hydroxide sulfate thin films." *Surface and Interface Analysis* (2012).
Times Cited: 1

4) Oleksak, Richard P., Rose E. Ruther, Feixiang Luo, Kurtis C. Fairley, Shawn R. Decker, William F. Stickle, Darren W. Johnson, Eric L. Garfunkel, Gregory S. Herman, and Douglas A. Keszler. "Chemical and structural investigation of high-resolution patterning with HafSOx." *ACS applied materials & interfaces*6, no. 4 (2014): 2917-2921.
Times Cited: 2

5) Du, Xiaosong, Brendan T. Flynn, Joshua R. Motley, William F. Stickle, Hendrik Bluhm, and Gregory S. Herman. "Role of Self-Assembled Monolayers on Improved Electrical Stability of Amorphous In-Ga-Zn-O Thin-Film Transistors." *ECS Journal of Solid State Science and Technology* 3, no. 9 (2014): Q3045-Q3049.
Times Cited: 0

6) Kim, Ki-Joong, Richard P. Oleksak, Changqing Pan, Michael W. Knapp, Peter B. Kreider, Gregory S. Herman, and Chih-Hung Chang. "Continuous synthesis of colloidal chalcopyrite copper indium diselenide nanocrystal inks." *RSC Advances* 4, no. 32 (2014): 16418-16424.
Times Cited: 1

7) Oleksak, Richard P., Brendan T. Flynn, David M. Schut, and Gregory S. Herman. "Microwave-assisted synthesis of CuInSe2 nanoparticles in low-absorbing solvents." *physica status solidi (a)* 211, no. 1 (2014): 219-225.

Times Cited: 3

8) Rajachidambaram, M. S., A. Pandey, S. Vilayurganapathy, P. Nachimuthu, S. Thevuthasan, and G. S. Herman. "Improved stability of amorphous zinc tin oxide thin film transistors using molecular passivation." *Applied Physics Letters* 103, no. 17 (2013): 171602.

Times Cited: 5

9) Flynn, Brendan, Ian Braly, Philip A. Glover, Richard P. Oleksak, Chris Durgan, and Gregory S. Herman. "Continuous flow mesofluidic synthesis of Cu2ZnSnS4 nanoparticle inks." *Materials Letters* 107 (2013): 214-217.

Times Cited: 2

10) Herman, Gregory S., Robert T. Zehr, and Michael A. Henderson. "Characterization of oxygen and titanium diffusion at the anatase TiO2(001) surface." *Surface Science* 612 (2013): L5-L8.

Times Cited: 1

11) Rajachidambaram, Jaana S., Santosh Murali, John F. Conley Jr, Stephen L. Golledge, and Gregory S. Herman. "Bipolar resistive switching in an amorphous zinc tin oxide memristive device." *Journal of Vacuum Science & Technology B* 31, no. 1 (2013): 01A104.

Times Cited: 1

12) Murali, Santosh, Jaana S. Rajachidambaram, Seung-Yeol Han, Chih-Hung Chang, Gregory S. Herman, and John F. Conley Jr. "Resistive switching in zinc–tin-oxide." *Solid-State Electronics* 79 (2013): 248-252.

Times Cited: 2

13) Flynn, Brendan, Wei Wang, Chih-hung Chang, and Gregory S. Herman. "Microwave assisted synthesis of Cu2ZnSnS4 colloidal nanoparticle inks."*physica status solidi (a)* 209, no. 11 (2012): 2186-2194.

Times Cited: 9

14) Rajachidambaram, Jaana S., Shail Sanghavi, Ponnusamy Nachimuthu, Vaithiyalingam Shutthanandan, Tamas Varga, Brendan Flynn, Suntharampillai Thevuthasan, and Gregory S. Herman. "Characterization of amorphous zinc tin oxide semiconductors." *Journal of Materials Research*27, no. 17 (2012): 2309-2317.

Times Cited: 6

15) Rajachidambaram, Meena S., Tamas Varga, Libor Kovarik, Rahul Sanghavi, Vaithiyalingam Shutthanandan, Suntharampillai Thevuthasan, Seung-Yeol Han, Chih-Hung Chang, and Gregory S. Herman. "Formation of zinc oxide films using submicron zinc particle dispersions." *Journal of Vacuum Science & Technology B* 30, no. 4 (2012): 041805.

Times Cited: 0

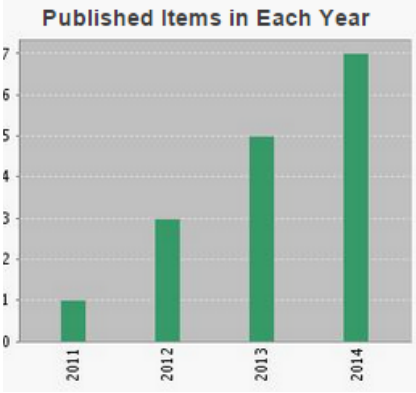
16) Han, Seung-Yeol, Gregory S. Herman, and Chih-hung Chang. "Low-temperature, high-performance, solution-processed indium oxide thin-film transistors." *Journal of the American Chemical Society* 133, no. 14 (2011): 5166-5169.

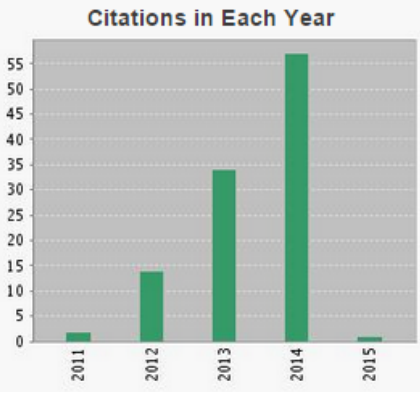
Times Cited: 72

List of Journals:

1) CRYSTAL GROWTH & DESIGN
2) MATERIALS LETTERS

3) SURFACE AND INTERFACE ANALYSIS
4) ACS APPLIED MATERIALS & INTERFACES
5) ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY
6) RSC ADVANCES
7) PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE
8) APPLIED PHYSICS LETTERS
9) SURFACE SCIENCE
10) JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B
11) SOLID-STATE ELECTRONICS
12) JOURNAL OF MATERIALS RESEARCH
13) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY





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Sum of Times Cited without self-citations [?] : 98
Citing Articles [?] : 105
Citing Articles without self-citations [?] : 97
Average Citations per Item [?] : 6.75
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	3	5	7	16	3.20
Citations	1	2	14	34	57	108	21.60

Title: Associate Professor

Name: Keith L. Levien

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 1

H-index: 1

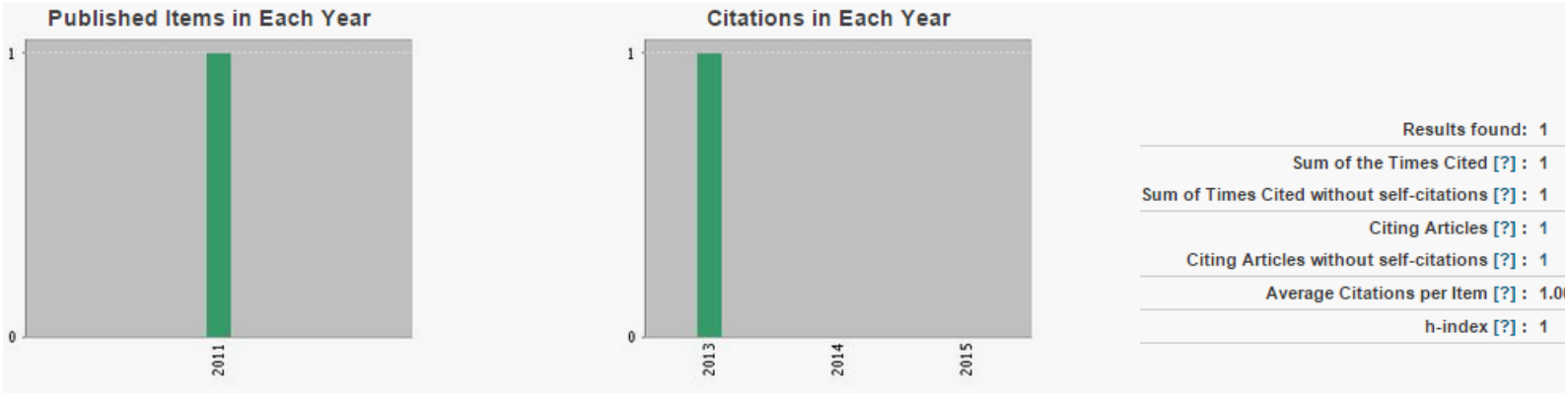
List of Publications:

1) Barker, Casey, Al Badowski, Bruce Whitefield, Keith L. Levien, and Milo D. Korestky. "Factors Affecting Thickness Variation of Thin Films Grown by Wet Oxidation." *Semiconductor Manufacturing, IEEE Transactions on* 24, no. 2 (2011): 348-357.

Times Cited: 1

List of Journals:

1) IEEE TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	1	0	0	0	1	0.20
Citations	0	0	0	1	0	1	0.20

Title: Associate Professor

Name: Alex Yokochi

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 82

H-index: 2

List of Publications:

1) Song, Han, Sam Mulley, Nathan Coussens, Pallavi Dhagat, Albrecht Jander, and Alexandre Yokochi. "Effect of packing fraction on ferromagnetic resonance in NiFe2O4 nanocomposites." *Journal of Applied Physics* 111, no. 7 (2012): 07E348.

Times Cited: 1

2) Bamaga, O. A., A. Yokochi, B. Zabara, and A. S. Babaqi. "Hybrid FO/RO desalination system: Preliminary assessment of osmotic energy recovery and designs of new FO membrane module configurations." *Desalination*268, no. 1 (2011): 163-169.

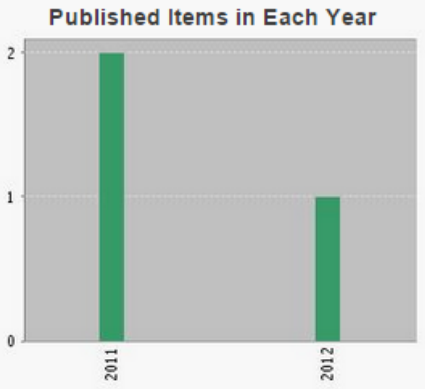
Times Cited: 21

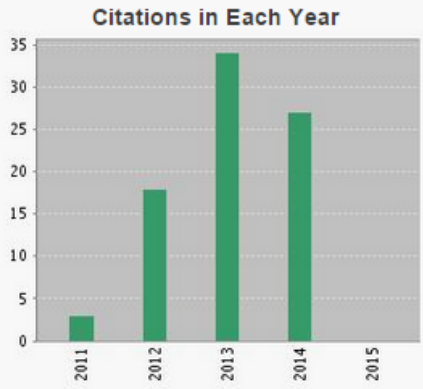
3) Brekken, Ted KA, Alex Yokochi, Annette Von Jouanne, Zuan Z. Yen, Hannes Max Hapke, and Douglas A. Halamay. "Optimal energy storage sizing and control for wind power applications." *Sustainable Energy, IEEE Transactions on* 2, no. 1 (2011): 69-77.

Times Cited: 60

List of Journals:

1) JOURNAL OF APPLIED PHYSICS
2) DESALINATION
3) IEEE TRANSACTION ON SUSTAINABLE ENERGY





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Average Citations per Item [?] :	27.3
h-index [?] :	2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	2	1	0	0	3	0.60
Citations	0	3	18	34	27	82	16.40

Title: Associate Professor

Name: Willie E. Rochefort

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 5

H-index: 2

List of Publications:

1) Freeman, Andrew L., Glenn R. Buttermann, Brian P. Beaubien, and Willie E. Rochefort. "Compressive properties of fibrous repair tissue compared to nucleus and annulus." *Journal of biomechanics* 46, no. 10 (2013): 1714-1721.

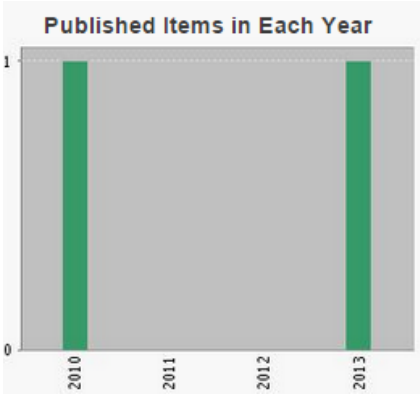
Times Cited: 3

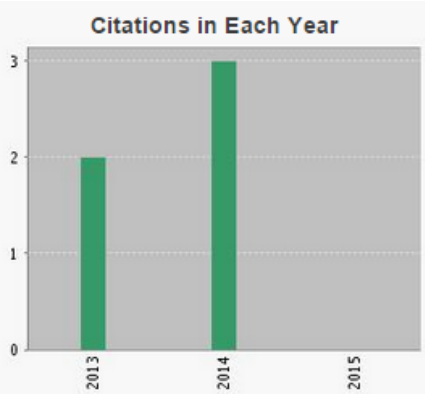
2) Onbattuvelli, Valmikanathan P., Willie E. Rochefort, John Simonsen, Seong-Jin Park, Randall M. German, and Sundar V. Atre. "Studies on the thermal stability and degradation kinetics of Pd/PC nanocomposites." *Journal of applied polymer science* 118, no. 6 (2010): 3602-3611.

Times Cited: 2

List of Journals:

1) JOURNAL OF BIOMECHANICS
2) JOURNAL OF APPLIED POLYMER SCIENCE





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Citing Articles [?] : 5
Citing Articles without self-citations [?] : 5
Average Citations per Item [?] : 2.5
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	1	0	2	0.40
Citations	0	0	0	2	3	5	1.67

Title: Assistant Professor

Name: Liney Arnadottir

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 11

Number of times cited: 79

H-index: 4

List of Publications:

1) Motobayashi, Kenta, Liney Arnadottir, Chikako Matsumoto, Eric M. Stuve, Hannes Jonsson, Yousoo Kim, and Maki Kawai. "Adsorption of Water Dimer on Platinum(111): Identification of the -OH center dot center dot center dot Pt Hydrogen Bond." *ACS Nano* 8, no. 11 (2014):11582-11590.

Times Cited: 0

2) Flynn, Brendan, Daeho Kim, Benjamin L. Clark, Alan Telecky, Liney Arnadottir, Janos Szanyi, Douglas A. Keszler, and Gregory S. Herman. "In-situ characterization of aqueous-based hafnium oxide hydroxide sulfate thin films." *Surface and Interface Analysis* (2012).

Times Cited: 1

3) Zorn, Gilad, Li-Hong Liu, Líney Árnadóttir, Hui Wang, Lara J. Gamble, David G. Castner, and Mingdi Yan. "X-ray Photoelectron Spectroscopy Investigation of the Nitrogen Species in Photoactive Perfluorophenylazide-Modified Surfaces." *The Journal of Physical Chemistry C* 118, no. 1 (2013): 376-383.

Times Cited: 3

4) Campbell, Charles T., Líney Árnadóttir, and Jason RV Sellers. "Kinetic Prefactors of Reactions on Solid Surfaces." *Zeitschrift für Physikalische Chemie* 227, no. 9-11 (2013): 1435-1454.

Times Cited: 2

5) Glebe, Ulrich, Joe E. Baio, Líney Árnadóttir, Ulrich Siemeling, and Tobias Weidner. "Molecular Suction Pads: Self-Assembled Monolayers of Subphthalocyaninatoboron Complexes on Gold." *ChemPhysChem* 14, no. 6 (2013): 1155-1160.

Times Cited: 2

6) Árnadóttir, Líney, Eric M. Stuve, and Hannes Jónsson. "The effect of coadsorbed water on the stability, configuration and interconversion of formyl (HCO) and hydroxymethylidyne (COH) on platinum (111)." *Chemical Physics Letters* 541 (2012): 32-38.

Times Cited: 2

7) Árnadóttir, Líney, Eric M. Stuve, and Hannes Jónsson. "Adsorption of water monomer and clusters on platinum (111) terrace and related steps and kinks II. Surface diffusion." *Surface Science* 606, no. 3 (2012): 233-238.

Times Cited: 3

8) Siemeling, Ulrich, Christian Schirrmacher, Ulrich Glebe, Clemens Bruhn, Joe E. Baio, Líney Árnadóttir, David G. Castner, and Tobias Weidner. "Phthalocyaninato complexes with peripheral alkylthio chains: Disk-like adsorbate species for the vertical anchoring of ligands onto gold surfaces."*Inorganica chimica acta* 374, no. 1 (2011): 302-312.

Times Cited: 9

9) Lew, Wanda, Matthew C. Crowe, Eric Karp, Ole Lytken, Jason A. Farmer, Líney Árnadóttir, Carolyn Schoenbaum, and Charles T. Campbell. "The energy of adsorbed hydroxyl on Pt (111) by microcalorimetry." *The Journal of Physical Chemistry C* 115, no. 23 (2011): 11586-11594.

Times Cited: 16

10) Acton, Orb, Daniel Hutchins, Líney Árnadóttir, Tobias Weidner, Nathan Cernetic, Guy G. Ting, Tae-Wook Kim, David G. Castner, Hong Ma, and Alex K-Y. Jen. "Spin-Cast and Patterned Organophosphonate Self-Assembled Monolayer Dielectrics on Metal-Oxide-Activated Si." *Advanced Materials* 23, no. 16 (2011): 1899-1902.

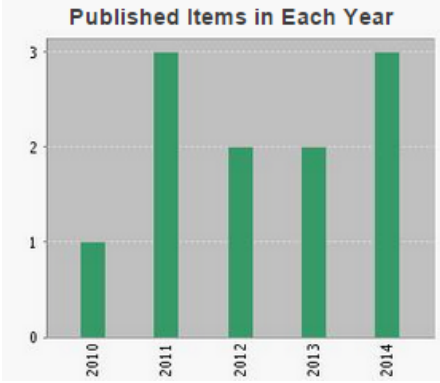
Times Cited: 25

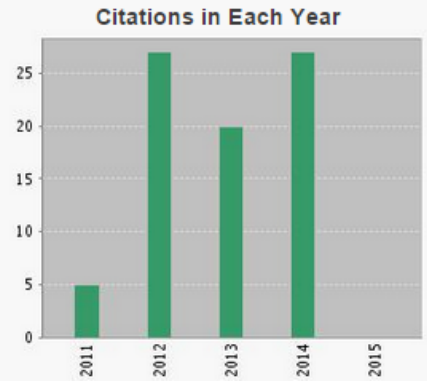
11) Árnadóttir, Líney, Eric M. Stuve, and Hannes Jónsson. "Adsorption of water monomer and clusters on platinum (111) terrace and related steps and kinks: I. Configurations, energies, and hydrogen bonding." *Surface Science*604, no. 21 (2010): 1978-1986.

Times Cited: 16

List of Journals:

1) ACS NANO
2) SURFACE AND INTERFACE ANALYSIS
3) JOURNAL OF PHYSICAL CHEMISTRY C
4) ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS
5) CHEMPHYSCHEM
6) CHEMICAL PHYSICS LETTERS
7) SURFACE SCIENCE
8) INORGANICA CHIMICA ACTA
9) ADVANCED MATERIALS





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Sum of Times Cited without self-citations [?] : 74
Citing Articles [?] : 77
Citing Articles without self-citations [?] : 73
Average Citations per Item [?] : 7.1
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	3	2	2	3	11	2.20
Citations	0	5	27	20	27	79	15.80

Title: Assistant Professor

Name: Nick AuYeung

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 3

Number of times cited: 1

H-index: 1

List of Publications:

1) Allen, Kyle M., Eric N. Coker, Nick Auyeung, and James F. Klausner. "Cobalt Ferrite in YSZ for Use as Reactive Material in Solar Thermochemical Water and Carbon Dioxide Splitting, Part I: Material Characterization." *JOM* 65, no. 12 (2013): 1670-1681.

Times Cited: 1

2) Allen, Kyle M., Nick Auyeung, Nima Rahmatian, James F. Klausner, and Eric N. Coker. "Cobalt Ferrite in YSZ for Use as Reactive Material in Solar Thermochemical Water and Carbon Dioxide Splitting, Part II: Kinetic Modeling." *JOM* 65, no. 12 (2013): 1682-1693.

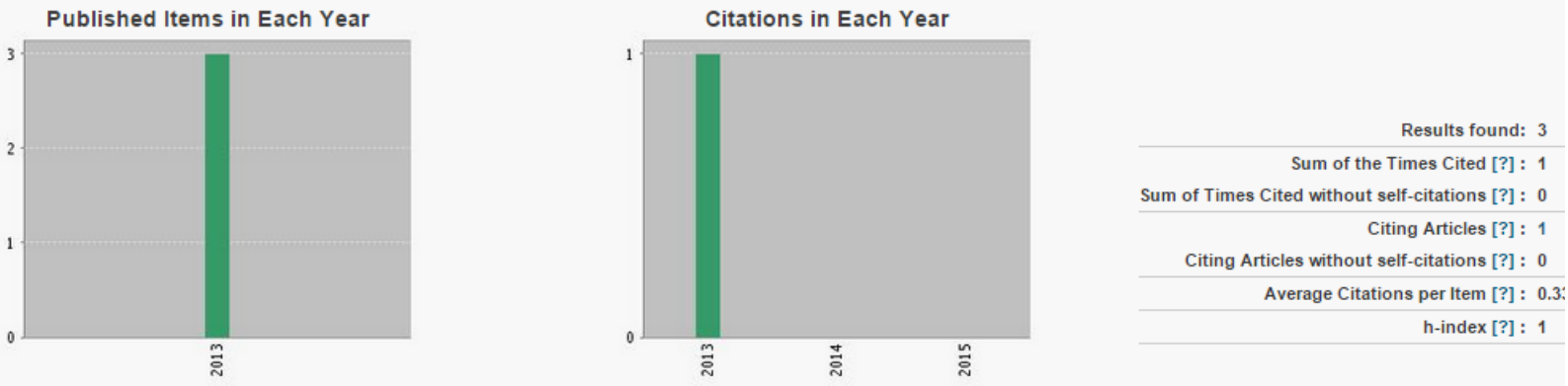
Times Cited: 0

3) AuYeung, Nicholas, and Alexandre FT Yokochi. "Steam reformation of hydrogen sulfide." *International Journal of Hydrogen Energy* 38, no. 15 (2013): 6304-6313.

Times Cited: 0

List of Journals:

1) JOM
2) INTERNATIONAL JOURNAL OF HYDROGEN ENERGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	3	0	3	0.60
Citations	0	0	0	1	0	1	0.20

Title: Assistant Professor

Name: Travis W. Walker

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 17

H-index: 3

List of Publications:

1) Fitzgibbon, Sean, Eric SG Shaqfeh, Gerald G. Fuller, and Travis W. Walker. "Scaling analysis and mathematical theory of the interfacial stress rheometer." *Journal of Rheology (1978-present)* 58, no. 4 (2014): 999-1038.
Times Cited: 0

2) Ostrowski, Maggie A., Ngan F. Huang, Travis W. Walker, Tom Verwijlen, Charlotte Poplawski, Amanda S. Khoo, John P. Cooke, Gerald G. Fuller, and Alexander R. Dunn. "Microvascular Endothelial Cells Migrate Upstream and Align Against the Shear Stress Field Created by Impinging Flow."*Biophysical journal* 106, no. 2 (2014): 366-374.
Times Cited: 0

3) Hsu, Tienyi T., Travis W. Walker, Curtis W. Frank, and Gerald G. Fuller. "Instabilities and elastic recoil of the two-fluid circular hydraulic jump."*Experiments in Fluids* 55, no. 1 (2014): 1-13.
Times Cited: 0

4) Walker, Travis W., Tienyi T. Hsu, Sean Fitzgibbon, Curtis W. Frank, David SL Mui, Ji Zhu, Arjun Mendiratta, and Gerald G. Fuller. "Enhanced particle removal using viscoelastic fluids." *Journal of Rheology (1978-present)* 58, no. 1 (2014): 63-88.
Times Cited: 0

5) Walker, Travis W., Tienyi T. Hsu, Curtis W. Frank, and Gerald G. Fuller. "Role of shear-thinning on the dynamics of rinsing flow by an impinging jet."*Physics of Fluids (1994-present)* 24, no. 9 (2012): 093102.
Times Cited: 4

6) Leiske, Danielle L., Brian Meckes, Chad E. Miller, Cynthia Wu, Travis W. Walker, Binhua Lin, Mati Meron, Howard A. Ketelson, Michael F. Toney, and Gerald G. Fuller. "Insertion Mechanism of a Poly (ethylene oxide)-poly (butylene oxide) Block Copolymer into a DPPC Monolayer." *Langmuir* 27, no. 18 (2011): 11444-11450.
Times Cited: 7

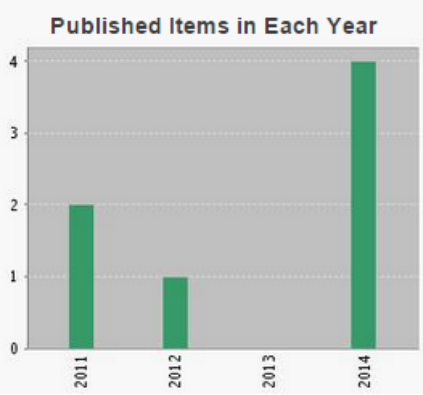
7) Hsu, Tienyi T., Travis W. Walker, Curtis W. Frank, and Gerald G. Fuller. "Role of fluid elasticity on the dynamics of rinsing flow by an impinging jet." *Physics of Fluids (1994-present)* 23, no. 3 (2011): 033101.
Times Cited: 6

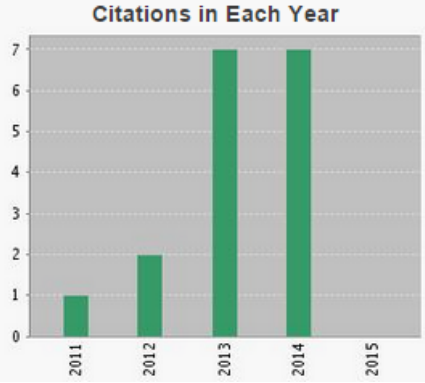
8) Eilers, Björn, Anne Mayer-Scholl, Travis Walker, Christoph Tang, Yvette Weinrauch, and Arturo Zychlinsky. "Neutrophil antimicrobial proteins enhance Shigella flexneri adhesion and invasion." *Cellular microbiology* 12, no. 8 (2010): 1134-1143.

Times Cited: 6

List of Journals:

1) JOURNAL OF RHEOLOGY
2) BIOPHYSICAL JOURNAL
3) EXPERIMENTS IN FLUIDS
4) PHYSICS OF FLUIDS
5) LANGMUIR
6) CELLULAR MICROBIOLOGY





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h-index [?] : 3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	2	1	0	4	7	1.40
Citations	0	1	2	7	7	17	3.40

Title: Assistant Professor

Name: Devlin Montfort

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 0

H-index: 0

List of Publications:

1) Brown, Shane, Andrew Easley, Devlin Montfort, Jennifer Adam, Bernard Van Wie, Adesope Olusola, Cara Poor, Cory Tobin, and Alicia Flatt. "Effectiveness of an Interactive Learning Environment Utilizing a Physical Model." *Journal of Professional Issues in Engineering Education & Practice*(2014).

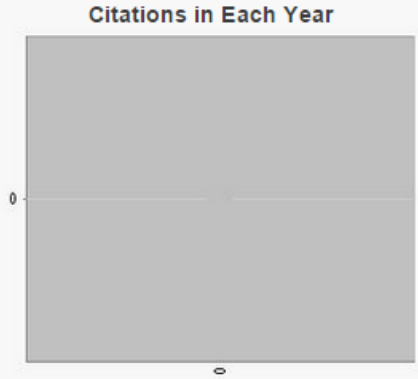
Times Cited: 0

2) Montfort, Devlin, Shane Brown, and Dawn Shinew. "The Personal Epistemologies of Civil Engineering Faculty." *Journal of Engineering Education* 103, no. 3 (2014): 388-416.

Times Cited: 0

List of Journals:

1) JOURNAL OF PROFESSIONAL ISSUES IN ENGINEERING EDUCATION AND PRACTICE
2) JOURNAL OF ENGINEERING EDUCATION



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Sum of the Times Cited [?] : 0
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Citing Articles without self-citations [?] : 0
Average Citations per Item [?] : 0.00
h-index [?] : 0

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	0	2	2	0.40
Citations	0	0	0	0	0	0	0.00

Colorado State University Tenure & Tenured Track Professors

Title: Professor / Department Head

Name: David S. Dandy

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 23

H-index: 3

List of Publications:

1) Mensack, Meghan M., John B. Wydallis, N. Scott Lynn, David S. Dandy, and Charles S. Henry. "Spatially resolved electrochemical sensing of chemical gradients." *Lab on a Chip* 13, no. 2 (2013): 208-211.

Times Cited: 2

2) Yan, Rongjin, N. Scott Lynn, Luke C. Kingry, Zhangjing Yi, Tim Erickson, Richard A. Slayden, David S. Dandy, and Kevin L. Lear. "Detection of virus-like nanoparticles via scattering using a chip-scale optical biosensor."*Applied Physics Letters* 101, no. 16 (2012): 161111.

Times Cited: 1

3) Lynn, N. Scott, Stuart Tobet, Charles S. Henry, and David S. Dandy. "Mapping Spatiotemporal Molecular Distributions Using a Microfluidic Array."*Analytical chemistry* 84, no. 3 (2012): 1360-1366.

Times Cited: 3

4) Zhong, Zhong, Michael Fritzsche, Sean B. Pieper, Thomas K. Wood, Kevin L. Lear, David S. Dandy, and Kenneth F. Reardon. "Fiber optic monooxygenase biosensor for toluene concentration measurement in aqueous samples." *Biosensors and Bioelectronics* 26, no. 5 (2011): 2407-2412.

Times Cited: 7

5) Yan, Rongjin, N. Scott Lynn, Luke C. Kingry, Zhangjing Yi, Richard A. Slayden, David S. Dandy, and Kevin L. Lear. "Waveguide biosensor with integrated detector array for tuberculosis testing." *Applied Physics Letters*98, no. 1 (2011): 013702.

Times Cited: 4

6) Stephens, Matthew D., Guangwei Yuan, Kevin L. Lear, and David S. Dandy. "Optical and physical characterization of a local evanescent array coupled biosensor: Use of evanescent field perturbations for multianalyte sensing."*Sensors and Actuators B: Chemical* 145, no. 2 (2010): 769-774.

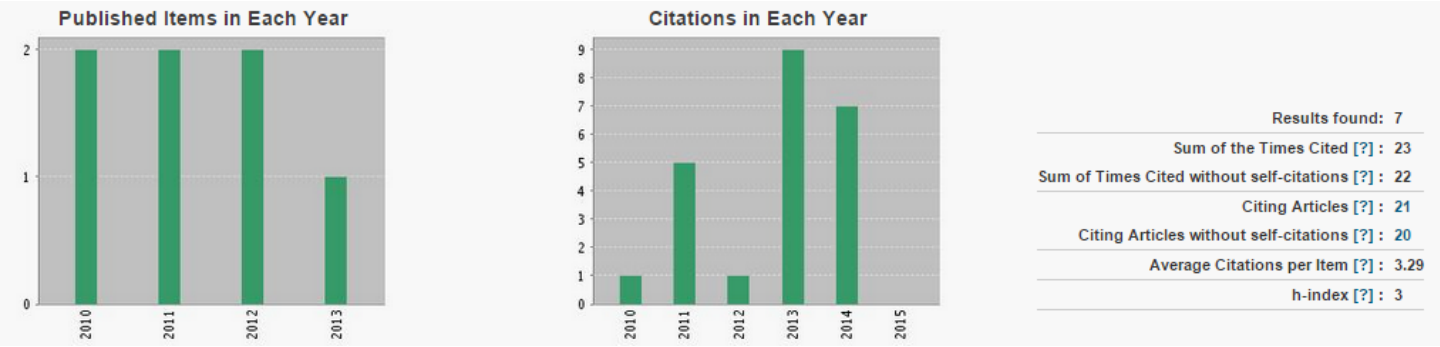
Times Cited: 6

7) Park, Sang-Min, Meng Dong, Charles T. Rettner, David S. Dandy, Qiang Wang, and Ho-Cheol Kim. "Bending of Lamellar Microdomains of Block Copolymers on Nonselective Surfaces." *Macromolecules* 43, no. 3 (2010): 1665-1670.

Times Cited: 0

List of Journals:

1) LAB ON A CHIP
2) APPLIED PHYSICS LETTERS
3) ANALYTICAL CHEMISTRY
4) BIOSENSORS & BIOELECTRONICS
5) SENSORS AND ACTUATORS B-CHEMICAL
6) MACROMOLECULES



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	2	2	1	0	7	1.40
Citations	1	5	1	9	7	23	4.60

Title: Professor / Associate Department Head

Name: Kenneth F. Reardon

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 25

Number of times cited: 170

H-index: 7

List of Publications:

1) Huang, Xing-Feng, Jacqueline M. Chaparro, Kenneth F. Reardon, Ruifu Zhang, Qirong Shen, and Jorge M. Vivanco. "Rhizosphere interactions: root exudates, microbes, and microbial communities 1." *Botany* 92, no. 4 (2014): 267-275.
Times Cited: 1

2) Sun, Zeyu, Karyn L. Hamilton, and Kenneth F. Reardon. "Evaluation of quantitative performance of sequential immobilized metal affinity chromatographic enrichment for phosphopeptides." *Analytical biochemistry* 445 (2014): 30-37.
Times Cited: 1

3) Lefèvre, Emilie, Luciana P. Pereyra, Sage R. Hiibel, Elizabeth M. Perrault, Susan K. De Long, Kenneth F. Reardon, and Amy Pruden. "Molecular assessment of the sensitivity of sulfate-reducing microbial communities remediating mine drainage to aerobic stress." *Water research* 47, no. 14 (2013): 5316-5325.
Times Cited: 0

4) Havlik, Ivo, Kenneth F. Reardon, Mehmet Ünal, Patrick Lindner, Andreas Prediger, Alexander Babitzky, Sascha Beutel, and Thomas Scheper. "Monitoring of microalgal cultivations with on-line, flow-through microscopy." *Algal Research* 2, no. 3 (2013): 253-257.
Times Cited: 2

5) Havlik, Ivo, Patrick Lindner, Thomas Scheper, and Kenneth F. Reardon. "On-line monitoring of large cultivations of microalgae and cyanobacteria." *Trends in biotechnology* 31, no. 7 (2013): 406-414.
Times Cited: 6

6) Huang, Xing-Feng, Navaneetha Santhanam, Dayakar V. Badri, William J. Hunter, Daniel K. Manter, Stephen R. Decker, Jorge M. Vivanco, and Kenneth F. Reardon. "Isolation and characterization of lignin-degrading bacteria from rainforest soils." *Biotechnology and bioengineering* 110, no. 6 (2013): 1616-1626.
Times Cited: 6

7) Joo, Jin Chul, Charles D. Shackelford, and Kenneth F. Reardon. "Modeling Sorption of Neutral Organic Compound Mixtures to Simulated Aquifer Sorbents with Pseudocompounds." *Journal of environmental quality* 42, no. 3 (2013): 852-860.
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8) Huang, Xing-Feng, Matthew G. Bakker, Timothy M. Judd, Kenneth F. Reardon, and Jorge M. Vivanco. "Variations in diversity and richness of gut bacterial communities of termites (Reticulitermes flavipes) fed with grassy and woody plant substrates." *Microbial ecology* 65, no. 3 (2013): 531-536.
Times Cited: 3

9) Thakkar, Ishan G., Kevin L. Lear, Jonathan Vickers, Brian C. Heinze, and Kenneth F. Reardon. "A plastic total internal reflection photoluminescence device for enzymatic biosensing." *Lab on a Chip* 13, no. 24 (2013): 4775-4783.
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10) Pereyra, Luciana P., Sage R. Hiibel, Elizabeth M. Perrault, Kenneth F. Reardon, and Amy Pruden. "Effect of bioaugmentation and biostimulation on sulfate-reducing column startup captured by functional gene profiling." *FEMS microbiology ecology* 82, no. 1 (2012): 135-147.
Times Cited: 2

11) Sun, Zeyu, Karyn L. Hamilton, and Kenneth F. Reardon. "Phosphoproteomics and molecular cardiology: techniques, applications and challenges." *Journal of molecular and cellular cardiology* 53, no. 3 (2012): 354-368.
Times Cited: 6

12) Santhanam, Navaneetha, Jorge M. Vivanco, Stephen R. Decker, and Kenneth F. Reardon. "Response to PK et al.: Bacterial laYearases still have a case." *Trends in Biotechnology* 30, no. 7 (2012): 362-363.
Times Cited: 0

13) Sun, Zeyu, Laurie M. Biela, Karyn L. Hamilton, and Kenneth F. Reardon. "Concentration-dependent effects of the soy phytoestrogen genistein on the proteome of cultured cardiomyocytes." *Journal of proteomics* 75, no. 12 (2012): 3592-3604.
Times Cited: 4

14) Joo, Jin Chul, Charles D. Shackelford, and Kenneth F. Reardon. "Lumping analysis for sorption of neutral organic compounds in mixtures to simulated aquifer sorbents." *Journal of Environmental Engineering* 138, no. 5 (2011): 552-561.
Times Cited: 1

15) Das, Neema, and Kenneth F. Reardon. "Fiber-Optic Biosensor for the Detection of Atrazine: Characterization and Continuous Measurements." *Analytical Letters* 45, no. 2-3 (2012): 251-261.
Times Cited: 1

16) Zimbron, Julio A., and Kenneth F. Reardon. "Continuous combined Fenton's oxidation and biodegradation for the treatment of pentachlorophenol-contaminated water." *Water research* 45, no. 17 (2011): 5705-5714.
Times Cited: 8

17) Santhanam, Navaneetha, Jorge M. Vivanco, Stephen R. Decker, and Kenneth F. Reardon. "Expression of industrially relevant laYearases: prokaryotic style." *Trends in biotechnology* 29, no. 10 (2011): 480-489.
Times Cited: 28

18) Yang, Yun-Ya, Luciana P. Pereyra, Robert B. Young, Kenneth F. Reardon, and Thomas Borch. "Testosterone-mineralizing culture enriched from swine manure: Characterization of degradation

pathways and microbial community composition." *Environmental science & technology* 45, no. 16 (2011): 6879-6886.
Times Cited: 12

19) Hiibel, Sage R., Luciana P. Pereyra, Maria V. Riquelme Breazeal, David J. Reisman, Kenneth F. Reardon, and Amy Pruden. "Effect of organic substrate on the microbial community structure in pilot-scale sulfate-reducing biochemical reactors treating mine drainage." *Environmental Engineering Science* 28, no. 8 (2011): 563-572.
Times Cited: 5

20) Holcomb, Ryan E., Lucas J. Mason, Kenneth F. Reardon, Donald M. Cropek, and Charles S. Henry. "Culturing and investigation of stress-induced lipid aYearumulation in microalgae using a microfluidic device." *Analytical and bioanalytical chemistry* 400, no. 1 (2011): 245-253.
Times Cited: 9

21) Zhong, Zhong, Michael Fritzsche, Sean B. Pieper, Thomas K. Wood, Kevin L. Lear, David S. Dandy, and Kenneth F. Reardon. "Fiber optic monooxygenase biosensor for toluene concentration measurement in aqueous samples." *Biosensors and Bioelectronics* 26, no. 5 (2011): 2407-2412.
Times Cited: 7

22) Hiibel, Sage R., Amy Pruden, Barbara Crimi, and Kenneth F. Reardon. "Active community profiling via capillary electrophoresis single-strand conformation polymorphism analysis of amplified 16S rRNA and 16S rRNA genes." *Journal of microbiological methods* 83, no. 3 (2010): 286-290.
Times Cited: 2

23) Landgrebe, Daniel, Claas Haake, Tim Höpfner, Sascha Beutel, Bernd Hitzmann, Thomas Scheper, Martin Rhiel, and Kenneth F. Reardon. "On-line infrared spectroscopy for bioprocess monitoring." *Applied microbiology and biotechnology* 88, no. 1 (2010): 11-22.
Times Cited: 28

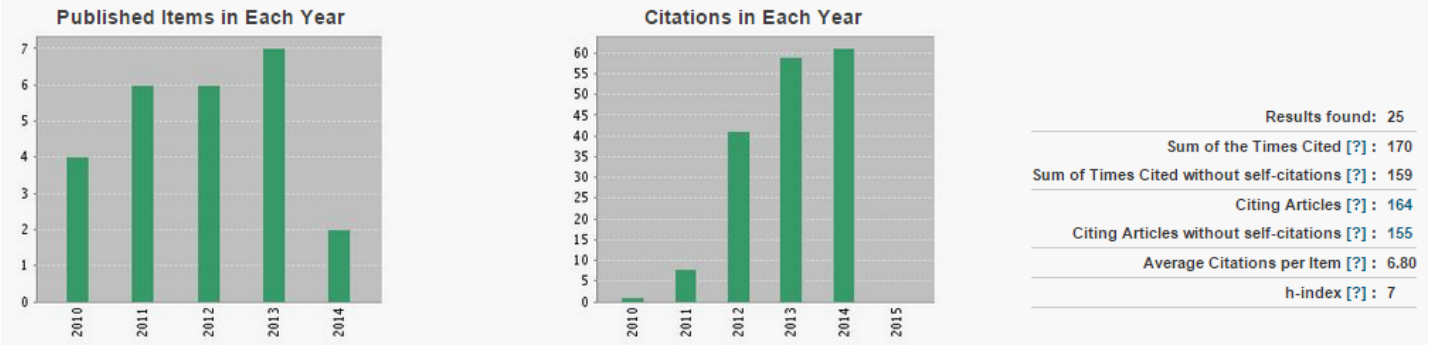
24) Lee, J., S. R. Hiibel, K. F. Reardon, and T. K. Wood. "Identification of stress-related proteins in Escherichia coli using the pollutant cis-dichloroethylene."*Journal of applied microbiology* 108, no. 6 (2010): 2088-2102.
Times Cited: 12

25) Pereyra, L. P., S. R. Hiibel, MV Prieto Riquelme, K. F. Reardon, and A. Pruden. "Detection and quantification of functional genes of cellulose-degrading, fermentative, and sulfate-reducing bacteria and methanogenic archaea." *Applied and environmental microbiology* 76, no. 7 (2010): 2192-2202.
Times Cited: 25

List of Journals:

1) APPLIED AND ENVIRONMENTAL MICROBIOLOGY
2) JOURNAL OF APPLIED MICROBIOLOGY
3) APPLIED MICROBIOLOGY AND BIOTECHNOLOGY
4) JOURNAL OF MICROBIOLOGICAL METHODS
5) BIOSENSORS AND BIOELECTRONIC
6) ANALYTICAL AND BIOANALYTICAL CHEMISTRY

7) ENVIRONMENTAL ENGINEERING SCIENCE
8) ENVIRONMENTAL SCIENCE AND TECHNOLOGY
9) TRENDS IN BIOTECHNOLOGY
10) WATER RESEARCH
11) ANALYTICAL LETTERS
12) JOURNAL OF ENVIRONMENTAL ENGINEERING
13) JOURNAL OF PREOTEOMICS
14) TRENDS IN BIOTECHNOLOGY
15) JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY
16) FEMS MICROBIOLOGY
17) LAB ON A CHIP
18) MICROBIAL ECOLOGY
19) JOURNAL OF ENVIRONMENTAL QUALITY
20) BIOTECHNOLOGY AND BIOENGINEERING
21) TRENDS IN BIOTECHNOLOGY
22) ALGAL RESEARCH
23) ANALYTICAL BIOCHEMISTRY
24) BOTANY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	6	6	7	2	25	5.00
Citations	1	8	41	59	61	170	28.33

Title: Professor

Name: Albert Ted Watson

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 41

Number of times cited: 666

H-index: 15

List of Publications:

1) Uh, Jinsoo, and A. Ted Watson. "A Nonparametric Approach for Determining NMR Relaxation Distributions." *Transport in Porous Media* 105, no. 1 (2014): 141-170.
Times Cited: 0

2) Aubert, Bernard, R. Barate, D. Boutigny, F. Couderc, P. del Amo Sanchez, J-M. Gaillard, A. Hicheur et al. "The BABAR detector: Upgrades, operation and performance." *Nuclear Instruments and Methods in Physics Research Section A: AYearelerators, Spectrometers, Detectors and Associated Equipment* 729 (2013): 615-701.
Times Cited: 14

3) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Observation and study of the baryonic B-meson decays B→ D (*) p(p)over-bar π π." *Physical Review D* 85, no. 9 (2012): 092017.
Times Cited: 7

4) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Observation of the Decay B- -> D-s(()*()+)K(-)l(-)(nu)over-bar(l)." *Physical Review Letters* 107, no. 4 (2011): 041804.
Times Cited: 4

5) Sanchez, P., and BABAR Collaboration. "Observation of eta_c (1S) and eta_c (2S) decays to K+ K-pi+ pi-pi0 in two-photon interactions." *arXiv preprint arXiv:1103.3971* (2011): 012004.
Times Cited: 10

6) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Search for the decay B 0→ γ γ." *Physical Review D* 83, no. 3 (2011): 032006.
Times Cited: 0

7) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Study of B→ π l ν and B→ ρ l ν decays and determination of| V u b|." *Physical Review D* 83, no. 3 (2011): 032007.
Times Cited: 34

8) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Measurement of the B→ D* D*^ K Branching Fractions." *Physical Review D* 83, no. 3 (2011): 032004.
Times Cited: 3

9) del Amo Sanchez, Pablo, J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Studies of τ-→ η K-ν τ and τ-→ η π-ν τ at BABAR and a search for a second-class current." *Physical Review D* 83, no. 3 (2011): 032002.
Times Cited: 6

10) Uh, Jinsoo, and A. Ted Watson. "Determining spatial distributions of permeability." *Transport in porous media* 86, no. 2 (2011): 385-414.
Times Cited: 2

11) Bomben, M., L. Lanceri, L. Vitale, and ea BaBar Collaboration. "Observation of the Y (1^ 3 D_J) bottomonium state through decays to n+ nY (1s)."*PHYSICAL REVIEW D, PARTICLES, FIELDS, GRAVITATION, AND COSMOLOGY* 82 (2010): 111102-1.
Times Cited: 14

12) López-March, Neus, Fernando Martínez-Vidal, Diego A. Milanés, Arantza Oyanguren, P. D. Sánchez, J. P. Lees, and Babar Collaboration. "Search for the rare decay B-> Kv (v) over-bar." (2010).
Times Cited: 10

13) del Amo Sanchez, Pablo, J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Observation of new resonances decaying to D π and D* π in inclusive e+ e-collisions near s= 10.58 GeV." *Physical Review D* 82, no. 11 (2010): 111101.
Times Cited: 41

14) Bomben, M., L. Lanceri, and L. Vitale. "Search for B+→ D+ K0 and B+→ D+ K* 0 decays." *PHYSICAL REVIEW* 82 (2010): 092006-1.
Times Cited: 0

15) del Amo Sanchez, P., J. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Measurement of the absolute branching fractions for Ds (-)--> l (-)(nu) over-bar (l) and extraction of the decay constant f (Ds)." (2010).
Times Cited: 9

16) Aubert, B., Y. Karyotakis, J. P. Lees, V. Poireau, E. Prencipe, X. Prudent, V. Tisserand et al. "Correlated leading baryon-antibaryon production in e+ e-→ c c¯→ Λ c+ Λ¯ c-X." *Physical Review D* 82, no. 9 (2010): 091102.
Times Cited: 2

17) Bomben, M., L. Lanceri, and L. Vitale. "Search for B+ meson decay to a1+ (1260) K* 0 (892)." *PHYSICAL REVIEW D* 82 (2010): 091101-1.
Times Cited: 1

18) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Search for f J (2220) in Radiative J/ψ Decays."*Physical review letters* 105, no. 17 (2010): 172001.
Times Cited: 2

19) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Search for b→ u transitions in B-→ D K-and D* K-decays." *Physical Review D* 82, no. 7 (2010): 072006.
Times Cited: 17

20) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Measurement of C P observables in B±→ D C P K±decays and constraints on the CKM angle γ." *Physical Review D* 82, no. 7 (2010): 072004.
Times Cited: 20

21) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Exclusive production of D s+ D s-, D s*+ D s-, and D s*+ D s*-via e+ e-annihilation with initial-state radiation." *Physical Review D* 82, no. 5 (2010): 052004.
Times Cited: 7

22) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Evidence for Direct C P Violation in the Measurement of the Cabbibo-Kobayashi-Maskawa Angle γ with B∓→ D (*) K (*)∓ Decays." *Physical review letters* 105, no. 12 (2010): 121801.
Times Cited: 31

23) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al.. "Study of B -> X gamma decays and determination of vertical bar V-td/V-ts vertical bar." *Physical review letters* 82, no. 5 (2010): 051101.
Times Cited: 16

24) Aubert, B., C. H. Cheng, D. A. Doll, B. Echenard, F. Fang, D. G. Hitlin, I. Narsky, P. Ongmongkolkul, T. Piatenko, and F. C. Porter. "Observation of the decay B [overbar]^ 0→ Λ_c^+[overbar] pπ^ 0." *Physical Review D* 82, no. 3 (2010): Art-No.
Times Cited: 4

25) Sanchez, P., and BaBar Collaboration. "Measurement of D0-antiD0 mixing parameters using D0-> K0S pi+ pi-and D0-> KS0 K+ K-decays." *arXiv preprint arXiv:1004.5053* (2010).
Times Cited: 38

26) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Observation of the rare decay B 0→ K S 0 K±π∓." *Physical Review D* 82, no. 3 (2010): 031101.
Times Cited: 2

27) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "B-meson decays to η′ ρ, η′ f 0, and η′ K*."*Physical Review D* 82, no. 1 (2010): 011502.
Times Cited: 5

28) Azzolini, Virginia, Neus López-March, Fernando Martínez-Vidal, Diego A. Milanés, Arantza Oyanguren, B. Aubert, J. P. Lees, P. D. Sánchez, and Babar Collaboration. "Measurements of Charged Current Lepton Universality and vertical bar V-us vertical bar Using Tau Lepton Decays to e (-)(nu) over-bar (e) nu (tau), mu (-)(nu) over-bar (mu) nu (tau), pi (-) nu (tau), and K-nu (tau)." *Physical Review Letters* 105, no. 5 (2010): 051602.
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29) del Amo Sanchez, Pablo, J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Evidence for the decay X (3872)→ J/ψ ω."*Physical Review D* 82, no. 1 (2010): 011101.
Times Cited: 67

30) del Amo Sanchez, P., J. P. Lees, V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges et al. "Search for C P violation using T-odd correlations in D 0→ K+ K-π+ π-decays." *Physical Review D* 81, no. 11 (2010): 111103.
Times Cited: 11

31) Azzolini, Virginia, Neus López-March, Fernando Martínez-Vidal, Diego A. Milanés, Arantza Oyanguren, J. P. Lees, P. D. Sánchez, and Babar Collaboration. "Limits on tau lepton-flavor violating decays into three charged leptons." (2010).
Times Cited: 20

32) Azzolini, Virginia, Neus López-March, Fernando Martínez-Vidal, Diego A. Milanés, Arantza Oyanguren, J. P. Lees, P. D. Sánchez, and Babar Collaboration. "Test of Lepton Universality in Y (1S) Decays at BABAR."*Physical Review Letters* 104, no. 19 (2010): 191801.
Times Cited: 9

33) Aubert, B., Y. Karyotakis, J. P. Lees, V. Poireau, E. Prencipe, X. Prudent, V. Tisserand et al. "Observation of the χ c 2 (2 P) meson in the reaction γ γ→ D D¯ at BABAR." *Physical Review D* 81, no. 9 (2010): 092003.
Times Cited: 28

34) Lees, J. P., V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges, M. Martinelli et al. "Search for Charged Lepton Flavor Violation in Narrow Y Decays." *Physical review letters* 104, no. 15 (2010): 151802.
Times Cited: 5

35) Aubert, Bernard, Y. Karyotakis, J. P. Lees, V. Poireau, E. Prencipe, X. Prudent, V. Tisserand et al. "Search for B+→ ℓ+ ν ℓ recoiling against B-→ D 0 ℓ-ν¯ X." *Physical Review D* 81, no. 5 (2010): 051101.
Times Cited: 42

36) Aubert, Bernard, Y. Karyotakis, J. P. Lees, V. Poireau, E. Prencipe, X. Prudent, V. Tisserand et al. "Measurement of branching fractions of B decays to K 1 (1270) π and K 1 (1400) π and determination of the CKM angle α from B 0→ a 1 (1260)±π∓." *Physical Review D* 81, no. 5 (2010): 052009.
Times Cited: 7

37) Lees, J. P., V. Poireau, E. Prencipe, V. Tisserand, J. Garra Tico, E. Grauges, M. Martinelli et al. "Measurement of the γ γ*→ η c transition form factor."*Physical Review D* 81, no. 5 (2010): 052010.
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38) Azzolini, Virginia, Neus López-March, Fernando Martínez-Vidal, Diego A. Milanés, Arantza Oyanguren, B. Aubert, J. P. Lees, and Babar Collaboration. "Measurement and interpretation of moments in inclusive semileptonic decays (B) over-bar-> Xcl (nu) over-bar." (2010).
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39) Azzolini, Virginia, Neus López-March, Fernando Martínez-Vidal, Diego A. Milanés, Arantza Oyanguren, B. Aubert, J. P. Lees, and Babar Collaboration. "Measurement and interpretation of moments in inclusive semileptonic decays (B) over-bar-> Xcl (nu) over-bar." (2010).
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40) Azzolini, Virginia, Neus López-March, Fernando Martínez-Vidal, Diego A. Milanés, Arantza Oyanguren, B. Aubert, J. P. Lees, and Babar Collaboration. "Measurement of vertical bar V-cb vertical bar and the Form-Factor Slope in (B) over-bar-> Dl (-)(nu) over-bar (l) Decays in Events Tagged by a Fully Reconstructed B Meson." *Physical Review Letters* 104, no. 1 (2010): 011802.
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41) Aubert, B., Y. Karyotakis, J. P. Lees, V. Poireau, E. Prencipe, X. Prudent, V. Tisserand et al. "Observation of inclusive D*±production in the decay of Y (1 S)." *Physical Review D* 81, no. 1 (2010): 011102.
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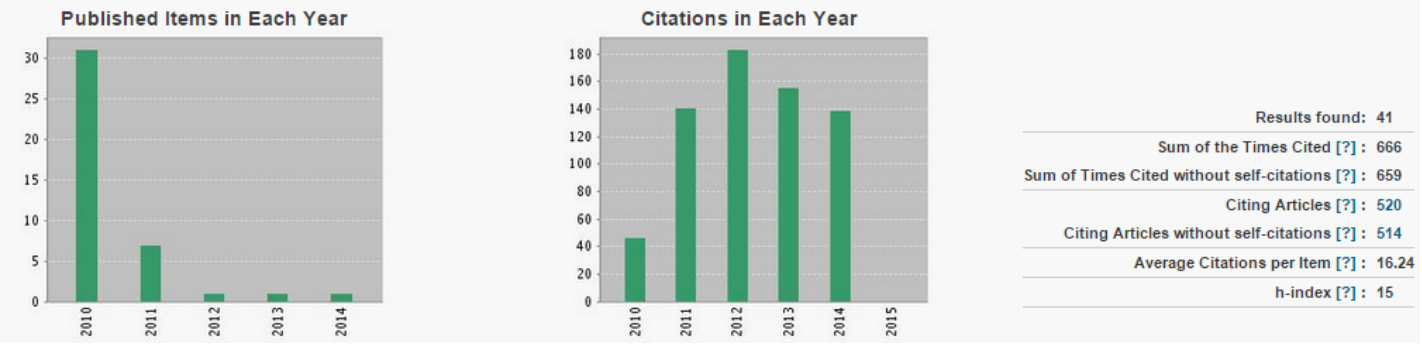
List of Journals:

1) TRANSPORT IN POROUS MEDIA
2) NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-AYEARELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT
3) PHYSICAL REVIEW D
4) PHYSICAL REVIEW LETTERS



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	31	7	1	1	1	41	8.20
Citations	47	141	183	156	139	666	111.00

Title: Professor

Name: Laurence A. Belfiore

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 16

Number of times cited: 56

H-index: 3

List of Publications:

1) Lin-jun, Huang, Wang Yan-xin, Huang Zhen, Tang Jian-guo, Wang Yao, Liu Ji-xian, Jiao Ji-qing, Liu Jing-quan, and Laurence A. Belfiore. "Effects of graphene/silver nanohybrid additives on electrochemical properties of magnesium-based amorphous alloy." *Journal of Power Sources* 269 (2014): 716-722.

Times Cited: 0

2) Liu, Hongxing, Jianguo Tang, Yao Wang, Linjun Huang, Yanxin Wang, Jiqing Jiao, Jixian Liu, Zhichao Xin, and Laurence A. Belfiore. "Effect of water-absorbing nanospheres on antistatic property of isotactic polypropylene fibers." *Journal of Applied Polymer Science* 131, no. 15 (2014).

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3) Tang, Jianguo, Lin Niu, Jixian Liu, Yao Wang, Zhen Huang, Shiqiang Xie, Linjun Huang, Qingsong Xu, Yuan Wang, and Laurence A. Belfiore. "Effect of photocurrent enhancement in porphyrin–graphene covalent hybrids."*Materials Science and Engineering: C* 34 (2014): 186-192.

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4) Shen, Wenfei, Jianguo Tang, Renqiang Yang, Hailin Cong, Xichang Bao, Yao Wang, Xinzhi Wang et al. "Enhanced efficiency of polymer solar cells by incorporated Ag–SiO 2 core–shell nanoparticles in the active layer." *RSC Advances* 4, no. 9 (2014): 4379-4386.

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5) Xu, Qingsong, Jianguo Tang, Yao Wang, Jixian Liu, Zhen Huang, Linjun Huang, Aihua Li, Yuan Wang, and Laurence A. Belfiore. "Embedding copper nanoparticle-anchored conductive nano-blocks in polyelectrolyte."*Particuology* 11, no. 6 (2013): 748-752.

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6) Xu, Qingsong, Jianguo Tang, Yao Wang, Jixian Liu, Xinzhi Wang, Zhen Huang, Linjun Huang, Yanxin Wang, Wenfei Shen, and Laurence A. Belfiore. "Eu3+-induced aggregates of diblock copolymers and their photoluminescent property." *Journal of colloid and interface science* 394 (2013): 630-638.

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7) Paulino, Alexandre T., Antonio GB Pereira, André R. Fajardo, Kristin Erickson, Matt J. Kipper, Edvani C. Muniz, Laurence A. Belfiore, and Elias B. Tambourgi. "Natural polymer-based

magnetic hydrogels: Potential vectors for remote-controlled drug release." *Carbohydrate polymers* 90, no. 3 (2012): 1216-1225.
Times Cited: 10

8) Yang, Bo, Jianguo Tang, Peihua Yang, Yao Wang, Jixian Liu, Haiyan Liu, Rui Wang, Zhen Huang, Jingquan Liu, and Laurence A. Belfiore. "Microporous network-assisted formation of copper-in-polymer gradient composite film." *Journal of Applied Polymer Science* 126, no. 2 (2012): 706-712.
Times Cited: 1

9) Belfiore, Laurence A., Michael L. Floren, and Carol J. Belfiore. "Electric-field-enhanced nutrient consumption in dielectric biomaterials that contain anchorage-dependent cells." *Biophysical chemistry* 161 (2012): 8-16.
Times Cited: 0

10) Tang, Jianguo, Bo Yang, Jixian Liu, Yao Wang, Linjun Huang, Zhen Huang, Yuan Wang, Qian Zhu, and Laurence A. Belfiore. "Electric-field-actuation of in situ composites that contain silver-coated carbon fibers in sodium sulfonate ionomers." *RSC Advances* 2, no. 23 (2012): 8813-8820.
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11) Belfiore, Laurence A., Fabio Z. Volpato, Alexandre T. Paulino, and Carol J. Belfiore. "Dynamic shear-stress-enhanced rates of nutrient consumption in gasliquid semi-continuous-flow suspensions." *Journal of Non-Equilibrium Thermodynamics* 36, no. 4 (2011): 337-371.
Times Cited: 0

12) Belfiore, Laurence A., Michael L. Floren, Alexandre T. Paulino, and Carol J. Belfiore. "Stress-sensitive tissue regeneration in viscoelastic biomaterials subjected to modulated tensile strain." *Biophysical chemistry* 158, no. 1 (2011): 1-8.
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13) Paulino, Alexandre T., Laurence A. Belfiore, Lauro T. Kubota, Edvani C. Muniz, Vitor C. Almeida, and Elias B. Tambourgi. "Effect of magnetite on the adsorption behavior of Pb (II), Cd (II), and Cu (II) in chitosan-based hydrogels." *Desalination* 275, no. 1 (2011): 187-196.
Times Cited: 25

14) Belfiore, Laurence A., Michael L. Floren, Fabio Z. Volpato, Alexandre T. Paulino, and Carol J. Belfiore. "Nutrient diffusion and simple n(th)-order consumption in regenerative tissue and biocatalytic sensors." *Biophysical chemistry* 155, no. 2 (2011): 65-73.
Times Cited: 2

15) Paulino, Alexandre Tadeu, Laurence Alphonse Belfiore, Lauro Tatsuo Kubota, Edvani Curti Muniz, and Elias Basile Tambourgi. "Efficiency of hydrogels based on natural polysaYearharides in the removal of Cd 2+ ions from aqueous solutions." *Chemical Engineering Journal* 168, no. 1 (2011): 68-76.
Times Cited: 9

16) Belfiore, Laurence A. "Dynamic shear in continuous-flow rotating-disk catalytic reactors with stress-sensitive kinetics based on Curie's theorem in non-equilibrium thermodynamics." *Chemical Engineering Science* 65, no. 2 (2010): 680-691.
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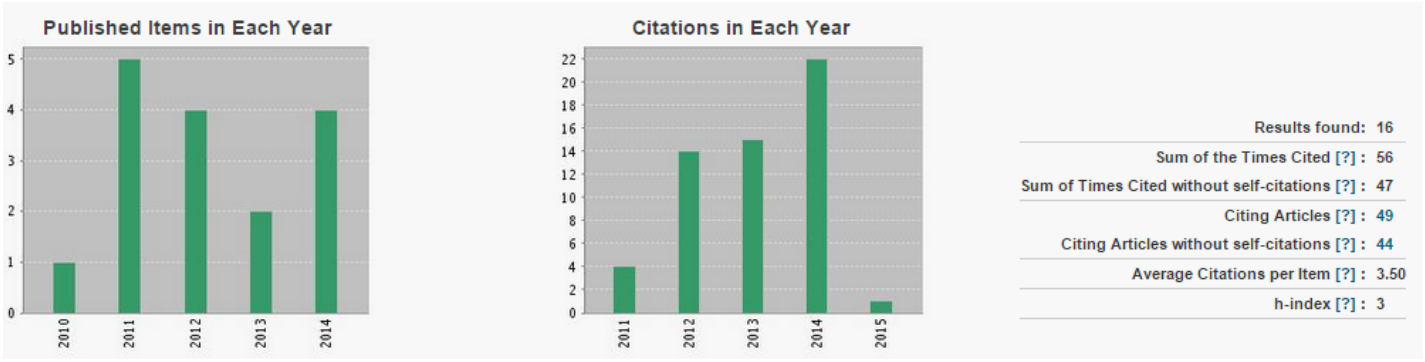
List of Journals:

1) JOURNAL OF POWER SOURCES
2) JOURNAL OF APPLIED POLYMER SCIENCE
3) MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS
4) RSC ADVANCES
5) PARTICUOLOGY
6) JOURNAL OF COLLOID AND INTERFACE SCIENCE
7) CARBOHYDRATE POLYMERS
8) BIOPHYSICAL CHEMISTRY
9) JOURNAL OF NON-EQUILIBRIUM THERMODYNAMICS
10) DESALINATION
11) CHEMICAL ENGINEERING JOURNAL
12) CHEMICAL ENGINEERING SCIENCE



Year		2010	2011	2012	2013	2014	Total	Average
Publications		1	5	4	2	4	16	3.2
Citations		1	4	14	15	22	56	11.

Title: Associate Professor

Name: Travis S. Bailey

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 8

Number of times cited: 91

H-index: 5

List of Publications:

1) TienáNguyen, Phuc. "Imidazolium-containing, hydrophobic–ionic–hydrophilic ABC triblock copolymers: synthesis, ordered phase-separation, and supported membrane fabrication." *Soft Matter* 9, no. 33 (2013): 7923-7927.

Times Cited: 2

2) Scalfani, Vincent F., Erin F. Wiesenauer, John R. Ekblad, Julian P. Edwards, Douglas L. Gin, and Travis S. Bailey. "Morphological phase behavior of poly (RTIL)-containing diblock copolymer melts." *Macromolecules* 45, no. 10 (2012): 4262-4276.

Times Cited: 8

3) Mes, Tristan, Marcel ME Koenigs, Vincent F. Scalfani, Travis S. Bailey, E. W. Meijer, and Anja RA Palmans. "Network formation in an orthogonally self-assembling system." *ACS Macro Letters* 1, no. 1 (2011): 105-109.

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4) Scalfani, Vincent F., and Travis S. Bailey. "AYearess to Nanostructured Hydrogel Networks through Photocured Body-Centered Cubic Block Copolymer Melts." *Macromolecules* 44, no. 16 (2011): 6557-6567.

Times Cited: 4

5) Wiesenauer, Erin F., Julian P. Edwards, Vincent F. Scalfani, Travis S. Bailey, and Douglas L. Gin. "Synthesis and ordered phase separation of imidazolium-based alkyl–ionic diblock copolymers made via ROMP."*Macromolecules* 44, no. 13 (2011): 5075-5078.

Times Cited: 14

6) Bolton, Justin, Travis S. Bailey, and Javid Rzayev. "Large pore size nanoporous materials from the self-assembly of asymmetric bottlebrush block copolymers." *Nano letters* 11, no. 3 (2011): 998-1001.

Times Cited: 42

7) Scalfani, Vincent F., and Travis S. Bailey. "Thermally Stable Photocuring Chemistry for Selective Morphological Trapping in Block Copolymer Melt Systems." *Chemistry of materials* 22, no. 21 (2010): 5992-6000.

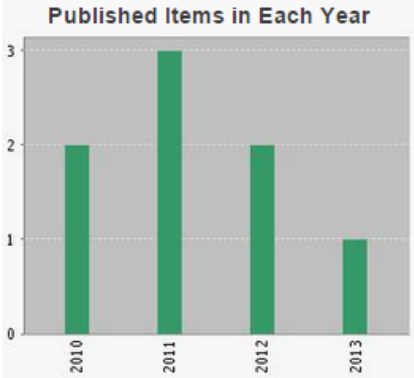
Times Cited: 1

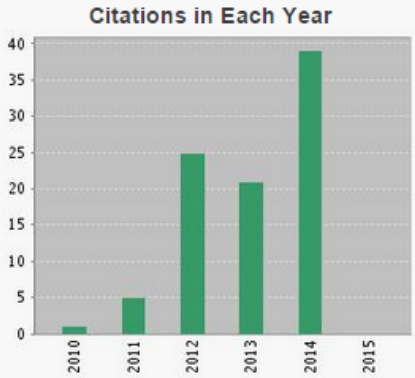
8) Guo, Chen, and Travis S. Bailey. "Highly distensible nanostructured elastic hydrogels from AB diblock and ABA triblock copolymer melt blends." *Soft Matter* 6, no. 19 (2010): 4807-4818.

Times Cited: 7

List of Journals:

1) SOFT MATTER
2) MACROMOLECULES
3) ACS MACRO LETTERS
4) NANO LETTERS
5) CHEMISTRY OF MATERIALS





Results found: 8
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Sum of Times Cited without self-citations [?] : 84
Citing Articles [?] : 83
Citing Articles without self-citations [?] : 79
Average Citations per Item [?] : 11.38
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	3	2	1	0	8	1.60
Citations	1	5	25	21	39	91	15.17

Title: Associate Professor

Name: Charles S. Henry

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 32

Number of times cited: 585

H-index: 13

List of Publications:

1) Sameenoi, Yupaporn, Piyaporn Na Nongkai, Souksanh Nouanthavong, Charles S. Henry, and Duangjai Nacapricha. "One-step polymer screen-printing for microfluidic paper-based analytical device (μPAD) fabrication."*Analyst* 139, no. 24 (2014): 6580-6588.
Times Cited: 0

2) Noblitt, Scott D., Lucian C. Staicu, Christopher J. Ackerson, and Charles S. Henry. "Sensitive, Selective Analysis of Selenium Oxoanions Using Microchip Electrophoresis with Contact Conductivity Detection." *Analytical chemistry* 86, no. 16 (2014): 8425-8432.
Times Cited: 0

3) Santhiago, Murilo, Charles S. Henry, and Lauro T. Kubota. "Low cost, simple three dimensional electrochemical paper-based analytical device for determination of p-nitrophenol." *Electrochimica Acta* 130 (2014): 771-777.
Times Cited: 2

4) Cate, David M., Pavisara Nanthasurasak, Pornpak Riwkulkajorn, Christian L'Orange, Charles S. Henry, and John Volckens. "Rapid Detection of Transition Metals in Welding Fumes Using Paper-Based Analytical Devices."*Annals of oYearupational hygiene* (2014): met078.
Times Cited: 0

5) Rattanarat, Poomrat, Wijitar Dungchai, David Cate, John Volckens, Orawon Chailapakul, and Charles S. Henry. "Multilayer Paper-Based Device for Colorimetric and Electrochemical Quantification of Metals." *Analytical chemistry* 86, no. 7 (2014): 3555-3562.
Times Cited: 4

6) Pluangklang, Thanakorn, John B. Wydallis, David M. Cate, Duangjai Nacapricha, and Charles S. Henry. "A simple microfluidic electrochemical HPLC detector for quantifying Fenton reactivity from welding fumes."*Analytical Methods* 6, no. 20 (2014): 8180-8186.
Times Cited: 0

7) Rattanarat, Poomrat, Wijitar Dungchai, David M. Cate, Weena Siangproh, John Volckens, Orawon Chailapakul, and Charles S. Henry. "A microfluidic paper-based analytical device for rapid quantification of particulate chromium." *Analytica chimica acta* 800 (2013): 50-55.
Times Cited: 3

8) Noiphung, Julaluk, Temsiri Songjaroen, Wijitar Dungchai, Charles S. Henry, Orawon Chailapakul, and Wanida Laiwattanapaisal. "Electrochemical detection of glucose from whole blood using paper-based microfluidic devices." *Analytica chimica acta* 788 (2013): 39-45.
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9) Santhiago, Murilo, John B. Wydallis, Lauro T. Kubota, and Charles S. Henry. "Construction and electrochemical characterization of microelectrodes for improved sensitivity in paper-based analytical devices." *Analytical chemistry*85, no. 10 (2013): 5233-5239.
Times Cited: 15

10) Sameenoi, Yupaporn, Pantila Panymeesamer, Natcha Supalakorn, Kirsten Koehler, Orawon Chailapakul, Charles S. Henry, and John Volckens. "Microfluidic paper-based analytical device for aerosol oxidative activity."*Environmental science & technology* 47, no. 2 (2012): 932-940.
Times Cited: 10

11) Dungchai, Wijitar, Yupaporn Sameenoi, Orawon Chailapakul, John Volckens, and Charles S. Henry. "Determination of aerosol oxidative activity using silver nanoparticle aggregation on paper-based analytical devices."*Analyst* 138, no. 22 (2013): 6766-6773.
Times Cited: 4

12) Cate, David M., Wijitar Dungchai, Josephine C. Cunningham, John Volckens, and Charles S. Henry. "Simple, distance-based measurement for paper analytical devices." *Lab on a Chip* 13, no. 12 (2013): 2397-2404.
Times Cited: 22

13) Mensack, Meghan M., John B. Wydallis, N. Scott Lynn, David S. Dandy, and Charles S. Henry. "Spatially resolved electrochemical sensing of chemical gradients." *Lab on a Chip* 13, no. 2 (2013): 208-211.
Times Cited: 2

14) Rattanarat, Poomrat, Wijitar Dungchai, Weena Siangproh, Orawon Chailapakul, and Charles S. Henry. "Sodium dodecyl sulfate-modified electrochemical paper-based analytical device for determination of dopamine levels in biological samples." *Analytica chimica acta* 744 (2012): 1-7.
Times Cited: 19

15) Ratnarathorn, Nalin, Orawon Chailapakul, Charles S. Henry, and Wijitar Dungchai. "Simple silver nanoparticle colorimetric sensing for copper by paper-based devices." *Talanta* 99 (2012): 552-557.
Times Cited: 21

16) Guan, Qian, Scott D. Noblitt, and Charles S. Henry. "Electrophoretic separations in poly (dimethylsiloxane) microchips using mixtures of ionic, nonionic and zwitterionic surfactants." *Electrophoresis* 33, no. 18 (2012): 2875-2883.
Times Cited: 2

17) Sameenoi, Yupaporn, Kirsten Koehler, Jeff Shapiro, Kanokporn Boonsong, Yele Sun, Jeffrey Collett Jr, John Volckens, and Charles S. Henry. "Microfluidic electrochemical sensor for on-line

monitoring of aerosol oxidative activity." *Journal of the American Chemical Society* 134, no. 25 (2012): 10562-10568.
Times Cited: 14

18) Mentele, Mallory M., Josephine Cunningham, Kirsten Koehler, John Volckens, and Charles S. Henry. "Microfluidic paper-based analytical device for particulate metals." *Analytical chemistry* 84, no. 10 (2012): 4474-4480.
Times Cited: 44

19) Pettine, Warren, Matthew Jibson, Tom Chen, Stuart Tobet, Phil Nikkel, and Charles S. Henry. "Characterization of novel microelectrode geometries for detection of neurotransmitters." *Sensors Journal, IEEE* 12, no. 5 (2012): 1187-1192.
Times Cited: 2

20) Jokerst, Jana C., Jaclyn A. Adkins, Bledar Bisha, Mallory M. Mentele, Lawrence D. Goodridge, and Charles S. Henry. "Development of a paper-based analytical device for colorimetric detection of select foodborne pathogens." *Analytical chemistry* 84, no. 6 (2012): 2900-2907.
Times Cited: 58

21) Lynn, N. Scott, Stuart Tobet, Charles S. Henry, and David S. Dandy. "Mapping Spatiotemporal Molecular Distributions Using a Microfluidic Array."*Analytical chemistry* 84, no. 3 (2012): 1360-1366.
Times Cited: 3

22) Sameenoi, Yupaporn, Meghan M. Mensack, Brian M. Murphy, and Charles S. Henry. "Competitive, non-competitive, and mixed format cleavable tag immunoassays." *Methods* 56, no. 2 (2012): 166-173.
Times Cited: 1

23) Songjaroen, Temsiri, Wijitar Dungchai, Orawon Chailapakul, Charles S. Henry, and Wanida Laiwattanapaisal. "Blood separation on microfluidic paper-based analytical devices." *Lab on a Chip* 12, no. 18 (2012): 3392-3398.
Times Cited: 29

24) Guan, Qian, Scott D. Noblitt, and Charles S. Henry. "Electrophoretic separations in poly (dimethylsiloxane) microchips using a mixture of ionic and zwitterionic surfactants." *Electrophoresis* 33, no. 2 (2012): 379-387.
Times Cited: 8

25) Jokerst, Jana C., Jason M. Emory, and Charles S. Henry. "Advances in microfluidics for environmental analysis." *Analyst* 137, no. 1 (2012): 24-34.
Times Cited: 33

26) Noblitt, Scott D., Rachel M. Speights, and Charles S. Henry. "Protonated diamines as anion-binding agents and their utility in capillary electrophoresis separations." *Electrophoresis* 32, no. 21 (2011): 2986-2993.
Times Cited: 2

27) Holcomb, Ryan E., Lucas J. Mason, Kenneth F. Reardon, Donald M. Cropek, and Charles S. Henry. "Culturing and investigation of stress-induced lipid aYearumulation in microalgae using a microfluidic device." *Analytical and bioanalytical chemistry* 400, no. 1 (2011): 245-253.
Times Cited: 9

28) Dungchai, Wijitar, Orawon Chailapakul, and Charles S. Henry. "A low-cost, simple, and rapid fabrication method for paper-based microfluidics using wax screen-printing." *Analyst* 136, no. 1 (2011): 77-82.
Times Cited: 79

29) Sameenoi, Yupaporn, Meghan M. Mensack, Kanokporn Boonsong, RebeYeara Ewing, Wijitar Dungchai, Orawan Chailapakul, Donald M. Cropek, and Charles S. Henry. "Poly (dimethylsiloxane) cross-linked carbon paste electrodes for microfluidic electrochemical sensing." *Analyst* 136, no. 15 (2011): 3177-3184.
Times Cited: 13

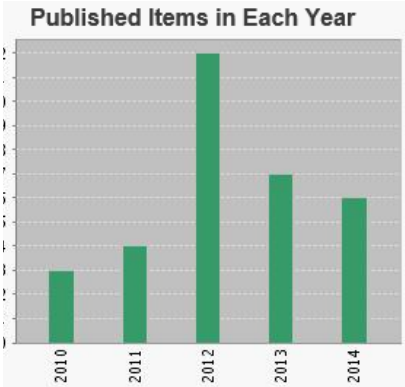
30) Dungchai, Wijitar, Orawon Chailapakul, and Charles S. Henry. "Use of multiple colorimetric indicators for paper-based microfluidic devices." *Analytica chimica acta* 674, no. 2 (2010): 227-233.
Times Cited: 77

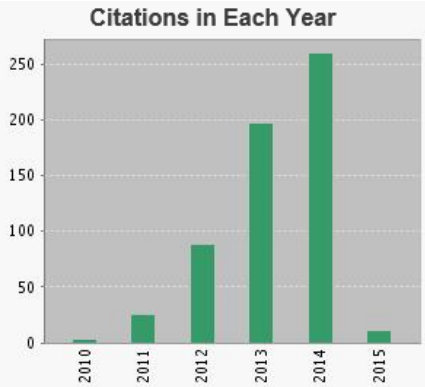
31) Gertsch, Jana C., Scott D. Noblitt, Donald M. Cropek, and Charles S. Henry. "Rapid analysis of perchlorate in drinking water at parts per billion levels using microchip electrophoresis." *Analytical chemistry* 82, no. 9 (2010): 3426-3429.
Times Cited: 15

32) Apilux, Amara, Wijitar Dungchai, Weena Siangproh, Narong Praphairaksit, Charles S. Henry, and Orawon Chailapakul. "Lab-on-paper with dual electrochemical/colorimetric detection for simultaneous determination of gold and iron." *Analytical chemistry* 82, no. 5 (2010): 1727-1732.
Times Cited: 84

List of Journals:

1) ANALYST
2) ANALYTICAL CHEMISTRY
3) ELECTROCHIMICA ACTA
4) ANNALS OF OYEARUPATIONAL HYGIENE
5) ANALYTICAL METHODS
6) ENVIRONMENTAL SCIENCE & TECHNOLOGY
7) LAB ON A CHIP
8) TALANTA
9) ELECTROPHORESIS
10) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
11) IEEE SENSORS JOURNAL
12) METHODS
13) ANALYTICAL AND BIOANALYTICAL CHEMISTRY





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Citing Articles without self-citations [?] : 351
Average Citations per Item [?] : 18.28
h-index [?] : 13

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	4	12	7	6	32	6.40
Citations	14	26	88	197	2601	585	97.50

Title: Associate Professor

Name: Matt J. Kipper

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 18

Number of times cited: 236

H-index: 9

List of Publications:

1) Place, Laura W., Sean M. Kelly, and Matt J. Kipper. "Synthesis and Characterization of Proteoglycan-Mimetic Graft Copolymers with Tunable Glycosaminoglycan Density." *Biomacromolecules* 15, no. 10 (2014): 3772-3780.
Times Cited: 0

2) Leszczak, Victoria, Laura W. Place, Natalee Franz, Ketul C. Popat, and Matt J. Kipper. "Nanostructured Biomaterials from Electrospun Demineralized Bone Matrix: A Survey of Processing and Crosslinking Strategies." *ACS applied materials & interfaces* (2014).
Times Cited: 0

3) Erickson, Tim A., Rajvir Nijjar, Matt J. Kipper, and Kevin L. Lear. "Characterization of plasma-enhanced teflon AF for sensing benzene, toluene, and xylenes in water with near-IR surface plasmon resonance." *Talanta* 119 (2014): 151-155.
Times Cited: 1

4) Place, Laura W., Maria Sekyi, and Matt J. Kipper. "Aggrecan-Mimetic, Glycosaminoglycan-Containing Nanoparticles for Growth Factor Stabilization and Delivery." *Biomacromolecules* 15, no. 2 (2014): 680-689.
Times Cited: 2

5) Prawel, David A., Matt J. Kipper, Ketul C. Popat, and Susan P. James. "Electrohydrodynamic atomization technique for applying phospholipid coatings to titanium implant materials." *Materials Letters* 97 (2013): 81-85.
Times Cited: 4

6) Almodóvar, Jorge, Justin Mower, Apurba Banerjee, Ajoy K. Sarkar, Nicole P. Ehrhart, and Matt J. Kipper. "Chitosan-heparin polyelectrolyte multilayers on cortical bone: Periosteum-mimetic, cytophilic, antibacterial coatings." *Biotechnology and bioengineering* 110, no. 2 (2013): 609-618.
Times Cited: 2

7) Damodaran, Vinod B., Laura W. Place, Matt J. Kipper, and Melissa M. Reynolds. "Enzymatically degradable nitric oxide releasing S-nitrosated dextran thiomers for biomedical applications." *Journal of Materials Chemistry* 22, no. 43 (2012): 23038-23048.
Times Cited: 6

8) Paulino, Alexandre T., Antonio GB Pereira, André R. Fajardo, Kristin Erickson, Matt J. Kipper, Edvani C. Muniz, Laurence A. Belfiore, and Elias B. Tambourgi. "Natural polymer-based

magnetic hydrogels: Potential vectors for remote-controlled drug release." *Carbohydrate polymers* 90, no. 3 (2012): 1216-1225.
Times Cited: 10

9) Grzenia, David L., Robert W. Dong, Himanshu Jasuja, Matt J. Kipper, Xianghong Qian, and S. Ranil Wickramasinghe. "Conditioning biomass hydrolysates by membrane extraction." *Journal of Membrane Science* 415 (2012): 75-84.
Times Cited: 1

10) Zomer Volpato, Fabio, Jorge Almodóvar, Kristin Erickson, Ketul C. Popat, Claudio Migliaresi, and Matt J. Kipper. "Preservation of FGF-2 bioactivity using heparin-based nanoparticles, and their delivery from electrospun chitosan fibers." *Acta biomaterialia* 8, no. 4 (2012): 1551-1559.
Times Cited: 15

11) Kisiday, John D., Benjamin W. Hale, Jorge L. Almodovar, Christina M. Lee, Matt J. Kipper, C. Wayne McIlwraith, and David D. Frisbie. "Expansion of mesenchymal stem cells on fibrinogen-rich protein surfaces derived from blood plasma." *Journal of tissue engineering and regenerative medicine* 5, no. 8 (2011): 600-611.
Times Cited: 9

12) Almodóvar, Jorge, Laura W. Place, Jarrod Gogolski, Kristin Erickson, and Matt J. Kipper. "Layer-by-layer assembly of polysaYearharide-based polyelectrolyte multilayers: a spectroscopic study of hydrophilicity, composition, and ion pairing." *Biomacromolecules* 12, no. 7 (2011): 2755-2765.
Times Cited: 25

13) Park, Hee Joon, Joshua T. MYearonnell, Soheil Boddohi, Matt J. Kipper, and Patrick A. Johnson. "Synthesis and characterization of enzyme–magnetic nanoparticle complexes: effect of size on activity and recovery." *Colloids and Surfaces B: Biointerfaces* 83, no. 2 (2011): 198-203.
Times Cited: 18

14) Almodóvar, Jorge, and Matt J. Kipper. "Coating Electrospun Chitosan Nanofibers with Polyelectrolyte Multilayers Using the PolysaYearharides Heparin and N, N, N-Trimethyl Chitosan." *Macromolecular bioscience* 11, no. 1 (2011): 72-76.
Times Cited: 14

15) Almodóvar, Jorge, Samantha Bacon, Jarrod Gogolski, John D. Kisiday, and Matt J. Kipper. "PolysaYearharide-based polyelectrolyte multilayer surface coatings can enhance mesenchymal stem cell response to adsorbed growth factors." *Biomacromolecules* 11, no. 10 (2010): 2629-2639.
Times Cited: 25

16) Ruckh, Timothy T., Kuldeep Kumar, Matt J. Kipper, and Ketul C. Popat. "Osteogenic differentiation of bone marrow stromal cells on poly (ε-caprolactone) nanofiber scaffolds." *Acta biomaterialia* 6, no. 8 (2010): 2949-2959.
Times Cited: 47

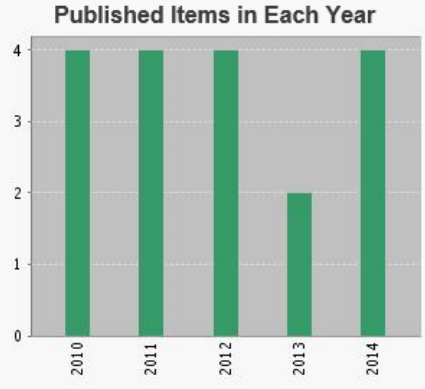
17) Boddohi, Soheil, and Matt J. Kipper. "Engineering nanoassemblies of polysaYearharides." *Advanced Materials* 22, no. 28 (2010): 2998-3016.
Times Cited: 39

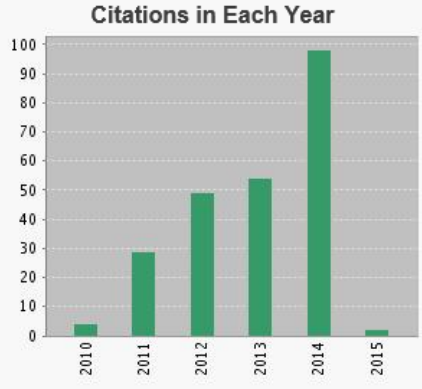
18) Boddohi, Soheil, Jorge Almodóvar, Hao Zhang, Patrick A. Johnson, and Matt J. Kipper. "Layer-by-layer assembly of polysaYearharide-based nanostructured surfaces containing polyelectrolyte complex nanoparticles." *Colloids and Surfaces B: Biointerfaces* 77, no. 1 (2010): 60-68.

Times Cited: 18

List of Journals:

1) BIOMACROMOLECULES
2) ACS APPLIED MATERIALS & INTERFACES
3) TALANTA
4) MATERIALS LETTERS
5) BIOTECHNOLOGY AND BIOENGINEERING
6) JOURNAL OF MATERIALS CHEMISTRY
7) CARBOHYDRATE POLYMERS
8) JOURNAL OF MEMBRANE SCIENCE
9) ACTA BIOMATERIALIA
10) JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE
11) COLLOIDS AND SURFACES B-BIOINTERFACES
12) MACROMOLECULAR BIOSCIENCE
13) ADVANCED MATERIALS





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Citing Articles without self-citations [?] : 188
Average Citations per Item [?] : 13.11
h-index [?] : 9

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	4	4	2	4	18	3.60
Citations	6	29	49	54	98	236	39.33

Title: Associate Professor

Name: Brad Reisfeld

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 10

H-index: 2

List of Publications:

1) Gilbert, Kathleen M., Brad Reisfeld, Todd J. Zurlinden, Meagan N. Kreps, Stephen W. Erickson, and Sarah J. Blossom. "Modeling toxicodynamic effects of trichloroethylene on liver in mouse model of autoimmune hepatitis." *Toxicology and applied pharmacology* 279, no. 3 (2014): 284-293.

Times Cited: 0

2) Lyons, Michael A., Brad Reisfeld, Raymond SH Yang, and Anne J. Lenaerts. "A physiologically based pharmacokinetic model of rifampin in mice." *Antimicrobial agents and chemotherapy* 57, no. 4 (2013): 1763-1771.

Times Cited: 2

3) Reisfeld, Brad, Jaime H. Ivy, Michael A. Lyons, Jesse M. Wright, Justin L. Rogers, and Arthur N. Mayeno. "DoseSim: a tool for pharmacokinetic/pharmacodynamic analysis and dose reconstruction." *Bioinformatics* 29, no. 3 (2013): 400-401.

Times Cited: 0

4) Gilbert, Kathleen M., Ashley R. Nelson, Craig A. Cooney, Brad Reisfeld, and Sarah J. Blossom. "Epigenetic alterations may regulate temporary reversal of CD4+ T cell activation caused by trichloroethylene exposure." *Toxicological Sciences* 127, no. 1 (2012): 169-178.

Times Cited: 3

5) Reisfeld, B., C. P. Metzler, M. A. Lyons, A. N. Mayeno, E. J. Brooks, and M. A. Degroote. "A physiologically based pharmacokinetic model for capreomycin." *Antimicrobial agents and chemotherapy* 56, no. 2 (2012): 926-934.

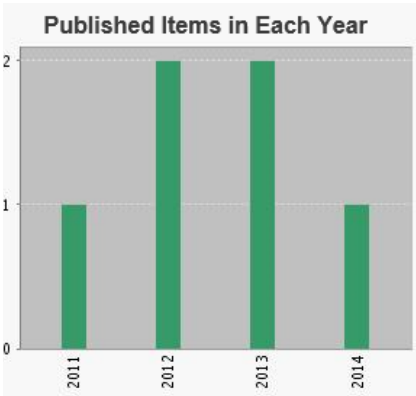
Times Cited: 4

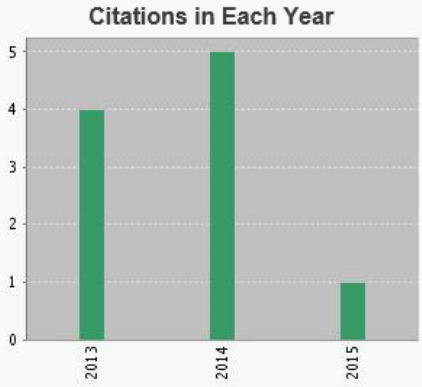
6) Mayeno, Arthur N., Jonathan L. Robinson, and Brad Reisfeld. "Rapid estimation of activation enthalpies for cytochrome-P450-mediated hydroxylations." *Journal of computational chemistry* 32, no. 4 (2011): 639-657.

Times Cited: 1

List of Journals:

1) TOXICOLOGY AND APPLIED PHARMACOLOGY
2) ANTIMICROBIAL AGENTS AND CHEMOTHERAPY
3) TOXICOLOGICAL SCIENCES
4) JOURNAL OF COMPUTATIONAL CHEMISTRY





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Sum of Times Cited without self-citations [?] : 9
Citing Articles [?] : 10
Citing Articles without self-citations [?] : 9
Average Citations per Item [?] : 1.67
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	4	5	6	1.20
Citations	1	0	0	4	5	10	3.33

Title: Associate Professor

Name: Brad Reisfeld

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 16

Number of times cited: 76

H-index: 5

List of Publications:

1) Zhang, Pengfei, Delian Yang, and Qiang Wang. "Quantitative Study of Fluctuation Effects by Fast Lattice Monte Carlo Simulations. V. Incompressible Homopolymer Melts." *The Journal of Physical Chemistry B* 118, no. 41 (2014): 12059-12067.
Times Cited: 0

2) Yang, Delian, and Qiang Wang. "Structural and phase transitions of one and two polymer mushrooms in poor solvent." *The Journal of chemical physics* 140, no. 19 (2014): 194902.
Times Cited: 0

3) Zhang, Pengfei, and Qiang Wang. "Quantitative study of fluctuation effects by fast lattice Monte Carlo simulations: Compression of grafted homopolymers." *The Journal of Chemical Physics* 140, no. 4 (2014): 044904.
Times Cited: 2

4) Yang, Delian, and Qiang Wang. "Unified View on the Mean-Field Order of Coil–Globule Transition." *ACS Macro Letters* 2, no. 11 (2013): 952-954.
Times Cited: 2

5) Zong, Jing, and Qiang Wang. "Fluctuation/correlation effects in symmetric diblock copolymers: On the order-disorder transition." *The Journal of chemical physics* 139, no. 12 (2013): 124907.
Times Cited: 1

6) Sandhu, Paramvir, Jing Zong, Delian Yang, and Qiang Wang. "On the comparisons between dissipative particle dynamics simulations and self-consistent field calculations of diblock copolymer microphase separation." *The Journal of chemical physics* 138, no. 19 (2013): 194904.
Times Cited: 2

7) Zhang, Pengfei, and Qiang Wang. "Solvent entropy and coarse-graining of polymer lattice models." *Soft Matter* 9, no. 47 (2013): 11183-11187.
Times Cited: 1

8) Zong, Jing, Xinghua Zhang, and Qiang Wang. "Fast off-lattice Monte Carlo simulations of soft-core spherocylinders: Isotropic-nematic transition and comparisons with virial expansion." *The Journal of chemical physics* 137, no. 13 (2012): 134904.
Times Cited: 3

9) Zhang, Pengfei, Baohui Li, and Qiang Wang. "Quantitative Study of Fluctuation Effects by Fast Lattice Monte Carlo Simulations. III. Homopolymer Brushes in an Explicit Solvent." *Macromolecules* 45, no. 5 (2012): 2537-2550.
Times Cited: 10

10) Meng, Dong, and Qiang Wang. "Stimuli-response of charged diblock copolymer brushes." *The Journal of chemical physics* 135, no. 22 (2011): 224904.
Times Cited: 1

11) Zhang, Pengfei, Baohui Li, and Qiang Wang. "Quantitative Study of Fluctuation Effects by Fast Lattice Monte Carlo Simulations. 2. Homopolymer Brushes in an Implicit, Good Solvent." *Macromolecules* 44, no. 19 (2011): 7837-7852.
Times Cited: 9

12) Zhang, Pengfei, Xinghua Zhang, Baohui Li, and Qiang Wang. "Quantitative study of fluctuation effects by fast lattice Monte Carlo simulations. I. Compressible homopolymer melts." *Soft Matter* 7, no. 9 (2011): 4461-4471.
Times Cited: 9

13) Wang, Qiang. "Theory and simulation of the self-assembly of rod–coil block copolymer melts: recent progress." *Soft Matter* 7, no. 8 (2011): 3711-3716.
Times Cited: 20

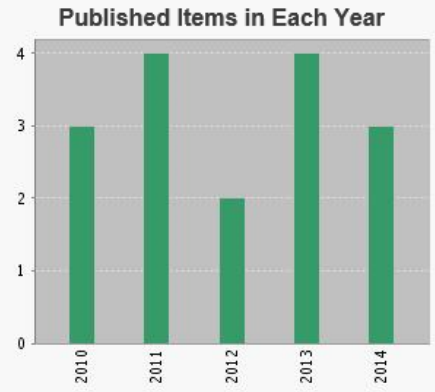
14) Yang, Guang, Ping Tang, Yuliang Yang, and Qiang Wang. "Self-Assembled Microstructures of Confined Rod− Coil Diblock Copolymers by Self-Consistent Field Theory." *The Journal of Physical Chemistry B* 114, no. 46 (2010): 14897-14906.
Times Cited: 13

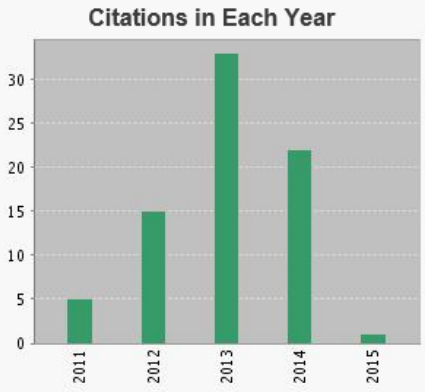
15) Park, Sang-Min, Meng Dong, Charles T. Rettner, David S. Dandy, Qiang Wang, and Ho-Cheol Kim. "Bending of Lamellar Microdomains of Block Copolymers on Nonselective Surfaces." *Macromolecules* 43, no. 3 (2010): 1665-1670.
Times Cited: 0

16) Meng, Dong, and Qiang Wang. "Complex morphologies in thin films of symmetric diblock copolymers as stable and unstable phases." *Soft Matter* 6, no. 23 (2010): 5891-5906.
Times Cited: 5

List of Journals:

1) JOURNAL OF PHYSICAL CHEMISTRY B
2) JOURNAL OF CHEMICAL PHYSICS
3) ACS MACRO LETTERS
4) SOFT MATTER
5) MACROMOLECULES





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Sum of Times Cited without self-citations [?] : 4

Citing Articles [?] : 4

Citing Articles without self-citations [?] : 3

Average Citations per Item [?] : 4.

h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	4	2	4	3	16	3.20
Citations	1	5	15	33	22	76	15.20

Title: Assistant Professor

Name: Brian Munsky

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 9

Number of times cited: 197

H-index: 5

List of Publications:

1) Nemenman, Ilya, James R. Faeder, S. Gnanakaran, William S. Hlavacek, Brian Munsky, Michael E. Wall, and Yi Jiang. "The Seventh q-bio Conference: meeting report and preface." *Physical biology* 11, no. 4 (2014): 0301.

Times Cited: 0

2) Senecal, Adrien, Brian Munsky, Florence Proux, Nathalie Ly, Floriane E. Braye, Christophe Zimmer, Florian Mueller, and Xavier Darzacq. "Transcription factors modulate c-Fos transcriptional bursts." *Cell reports* 8, no. 1 (2014): 75-83.

Times Cited: 0

3) Nemenman, Ilya, S. Gnanakaran, Brian Munsky, Michael E. Wall, Yi Jiang, William S. Hlavacek, and James R. Faeder. "Special section dedicated to The Sixth q-bio Conference: meeting report and." *Phys. Biol* 10, no. 030301 (2013): 030301.

Times Cited: 1

4) Shepherd, Douglas P., Nan Li, Sofiya N. Micheva-Viteva, Brian Munsky, Elizabeth Hong-Geller, and James H. Werner. "Counting small RNA in pathogenic bacteria." *Analytical chemistry* 85, no. 10 (2013): 4938-4943.

Times Cited: 5

5) Neuert, Gregor, Brian Munsky, Rui Zhen Tan, Leonid Teytelman, Mustafa Khammash, and Alexander van Oudenaarden. "Systematic identification of signal-activated stochastic gene regulation." *Science* 339, no. 6119 (2013): 584-587.

Times Cited: 26

6) Lou, Chunbo, Brynne Stanton, Ying-Ja Chen, Brian Munsky, and Christopher A. Voigt. "Ribozyme-based insulator parts buffer synthetic circuits from genetic context." *Nature biotechnology* 30, no. 11 (2012): 1137-1142.

Times Cited: 45

7) Nemenman, Ilya, S. Gnanakaran, S. William, Yi Jiang Hlavacek, Brian Munsky, E. Michael, and James R. Faeder. "The Fifth Annual q-bio Conference on Cellular Information Processing." *Phys. Biol* 9, no. 050201 (2012): 050201.

Times Cited: 1

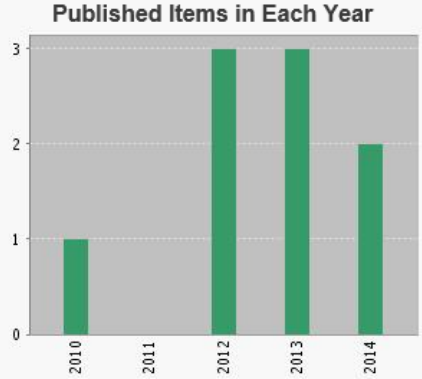
8) Munsky, Brian, Gregor Neuert, and Alexander van Oudenaarden. "Using gene expression noise to understand gene regulation." *Science* 336, no. 6078 (2012): 183-187.

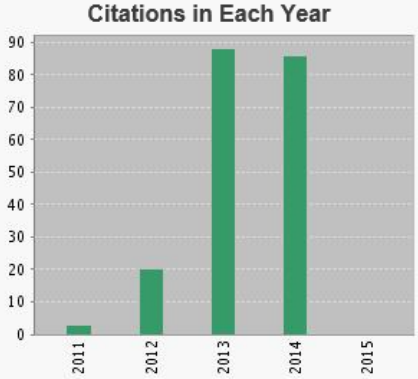
Times Cited: 105

9) Bel, Golan, Brian Munsky, and Ilya Nemenman. "The simplicity of completion time distributions for common complex biochemical processes." *Physical Biology* 7, no. 1 (2010): 016003.

List of Journals:

1) PHYSICAL BIOLOGY
2) CELL REPORTS
3) ANALYTICAL CHEMISTRY
4) SCIENCE
5) NATURE BIOTECHNOLOGY





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Average Citations per Item [?] : 21.89
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	3	3	2	9	4.80
Citations	0	3	20	88	86	197	39.40

Title: Assistant Professor

Name: Christie Peebles

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 4

Number of times cited: 30

H-index: 3

List of Publications:

1) Cheah, Yi Ern, Stevan C. Albers, and Christie AM Peebles. "A novel counter-selection method for markerless genetic modification in Synechocystis sp. PYEAR 6803." *Biotechnology progress* 29, no. 1 (2013): 23-30.

Times Cited: 4

2) Chung, Ill-Min, Eun-Hye Kim, Mai Li, Christie AM Peebles, Woo-Suk Jung, Hog-Keun Song, Joung-Kuk Ahn, and Ka-Yiu San. "Screening 64 cultivars Catharanthus roseus for the production of vindoline, catharanthine, and serpentine." *Biotechnology progress* 27, no. 4 (2011): 937-943.

Times Cited: 1

3) Li, Mai, Christie AM Peebles, Jacqueline V. Shanks, and Ka-Yiu San. "Effect of sodium nitroprusside on growth and terpenoid indole alkaloid production in Catharanthus roseus hairy root cultures." *Biotechnology progress* 27, no. 3 (2011): 625-630.

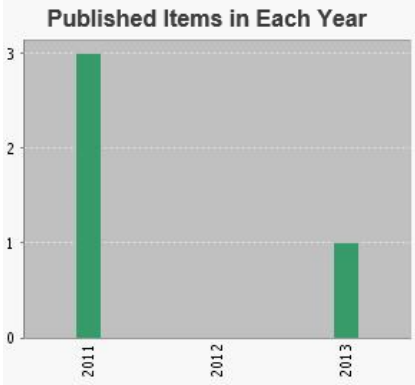
Times Cited: 5

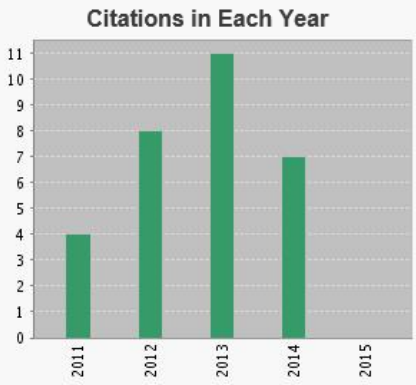
4) Peebles, Christie AM, Guy W. Sander, Erik H. Hughes, Ryan Peacock, Jacqueline V. Shanks, and Ka-Yiu San. "The expression of 1-deoxy-d-xylulose synthase and geraniol-10-hydroxylase or anthranilate synthase increases terpenoid indole alkaloid aYearumulation in Catharanthus roseus hairy roots." *Metabolic engineering* 13, no. 2 (2011): 234-240.

Times Cited: 20

List of Journals:

1) BIOTECHNOLOGY PROGRESS
2) METABOLIC ENGINEERING





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h-index [?] :	3

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	3	0	1	0	4	0.80
Citations	0	4	8	11	7	30	6.00

Title: Assistant Professor

Name: Ashok Prasad

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 6

Number of times cited: 5

H-index: 1

List of Publications:

1) Medford, June I., and Ashok Prasad. "Plant synthetic biology takes root." *Science* 346, no. 6206 (2014): 162-163.

Times Cited: 0

2) Lyons, Samanthe M., Wenlong Xu, June Medford, and Ashok Prasad. "Loads Bias Genetic and Signaling Switches in Synthetic and Natural Systems." *PLoS computational biology* 10, no. 3 (2014): e1003533.

Times Cited: 1

3) Joshi, Chintan Jagdishchandra, and Ashok Prasad. "Epistatic interactions among metabolic genes depend upon environmental conditions." *Molecular BioSystems* 10, no. 10 (2014): 2578-2589.

Times Cited: 0

4) Das, Dipjyoti, Dibyendu Das, and Ashok Prasad. "Giant number fluctuations in microbial ecologies." *Journal of theoretical biology* 308 (2012): 96-104.

Times Cited: 2

5) Prasad, Ashok, Dustin Berger, and Ketul Popat. "PCL nanopillars versus nanofibers: a contrast in progenitor cell morphology, proliferation, and fate determination." *Advanced Engineering Materials* 14, no. 6 (2012): B351-B356.

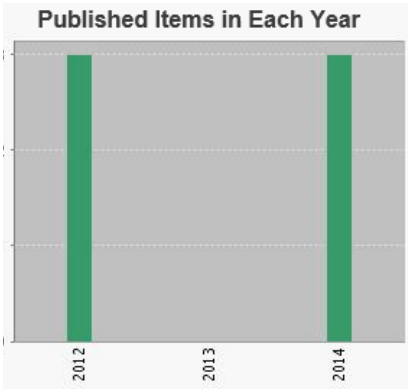
Times Cited: 1

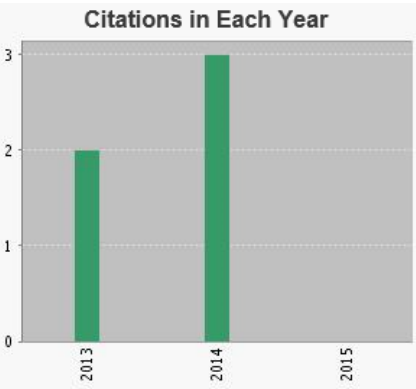
6) Lyons, Samanthe M., and Ashok Prasad. "Cross-talk and information transfer in mammalian and bacterial signaling." *PloS one* 7, no. 4 (2012): e34488.

Times Cited: 1

List of Journals:

1) SCIENCE
2) PLOS COMPUTATIONAL BIOLOGY
3) MOLECULAR BIOSYSTEMS
4) JOURNAL OF THEORETICAL BIOLOGY
5) ADVANCED ENGINEERING MATERIALS





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Citing Articles without self-citations [?] : 4
Average Citations per Item [?] : 0.83
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	3	0	3	6	5.20
Citations	0	0	0	2	3	5	1.67

Title: Assistant Professor

Name: Christopher D. Snow

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 27

H-index: 2

List of Publications:

1) Smith, Matthew A., Andrea Rentmeister, Christopher D. Snow, Timothy Wu, Mary F. Farrow, Florence Mingardon, and Frances H. Arnold. "A diverse set of family 48 bacterial glycoside hydrolase cellulases created by structure-guided recombination." *FEBS Journal* 279, no. 24 (2012): 4453-4465.

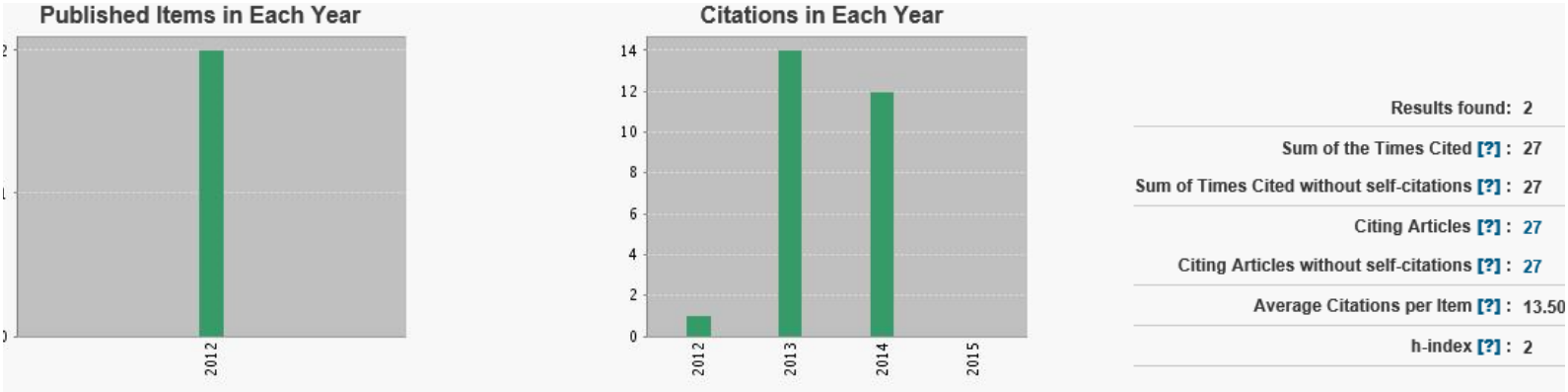
Times Cited: 9

2) Chen, Mike MY, Christopher D. Snow, Christina L. Vizcarra, Stephen L. Mayo, and Frances H. Arnold. "Comparison of random mutagenesis and semi-rational designed libraries for improved cytochrome P450 BM3-catalyzed hydroxylation of small alkanes." *Protein Engineering Design and Selection* 25, no. 4 (2012): 171-178.

Times Cited: 18

List of Journals:

1) FEBS JOURNAL
2) PROTEIN ENGINEERING DESIGN & SELECTION



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	2	0	0	2	0.40
Citations	0	0	1	14	12	27	6.75

Title: Assistant Professor

Name: Nick Fisk

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 22

H-index: 1

List of Publications:

1) Tan, Geok Chin, Elcie Chan, Attila Molnar, Rupa Sarkar, Diana Alexieva, Ihsan Mad Isa, Sophie Robinson et al. "5′ isomiR variation is of functional and evolutionary importance." *Nucleic acids research* (2014): gku656.

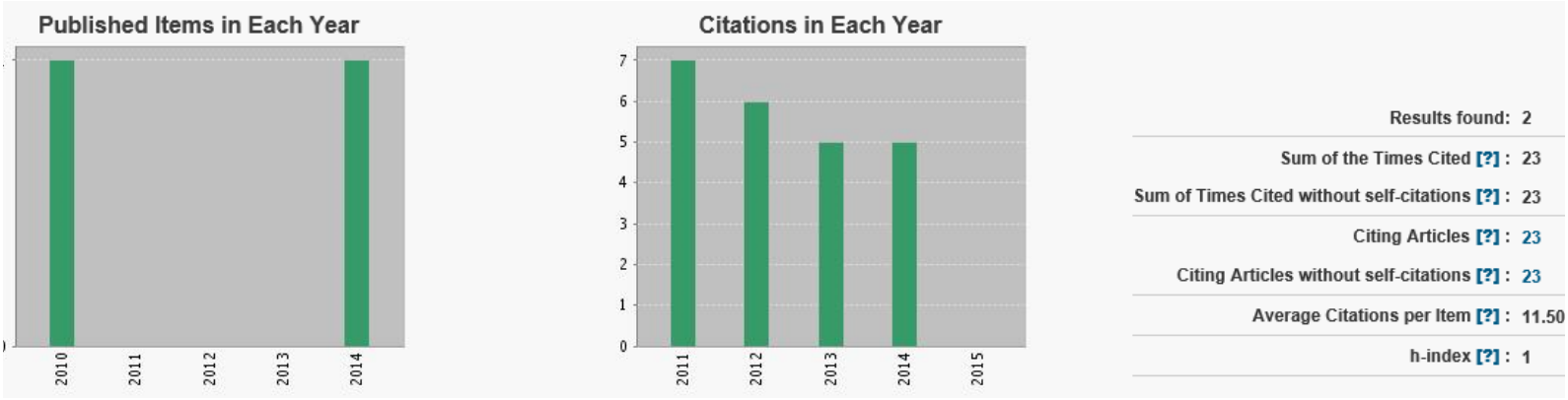
Times Cited: 1

2) Morganstein, Daniel L., Pensee Wu, Meritxell R. Mane, Nick M. Fisk, Roger White, and Malcolm G. Parker. "Human fetal mesenchymal stem cells differentiate into brown and white adipocytes: a role for ERRα in human UCP1 expression." *Cell research* 20, no. 4 (2010): 434-444.

Times Cited: 22

List of Journals:

1) NUCLEIC ACIDS RESEARCH
2) CELL RESEARCH



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	0	0	0	1	2	0.40
Citations	0	7	6	5	5	23	4.60

Iowa State University Tenure & Tenured Track Professors

Title: Professor / Department Chair

Name: Andrew C. Hillier

Web of Science Author Identifier: E-7495-2011

Number of publications 2010-2014: 11

Number of times cited: 59

H-index: 5

List of Publications:

1) Petefish, Joseph W., and Andrew C. Hillier. "Angle-Tunable Enhanced Infrared Reflection Absorption Spectroscopy via Grating-Coupled Surface Plasmon Resonance." *Analytical chemistry* 86, no. 5 (2014): 2610-2617.
Times Cited: 0

2) Venkatachalam, Subramanian, Robert J. Angelici, L. Keith Woo, and Andrew C. Hillier. "High Rate Detection of Volatile Products Using Differential Electrochemical Mass Spectrometry: Combining an Electrode-Coated Membrane with Hydrodynamic Flow in a Wall-Tube Configuration." *Analytical chemistry* 85, no. 12 (2013): 6059-6065.
Times Cited: 0

3) Yeh, Wei-Hsun, and Andrew C. Hillier. "Use of dispersion imaging for grating-coupled surface plasmon resonance sensing of multilayer Langmuir–Blodgett films." *Analytical chemistry* 85, no. 8 (2013): 4080-4086.
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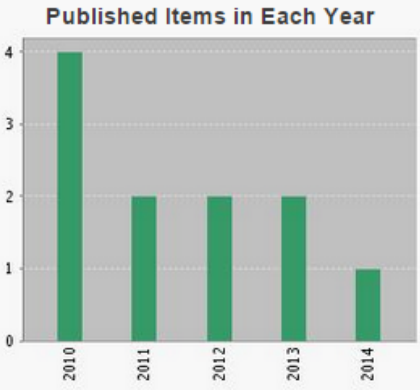
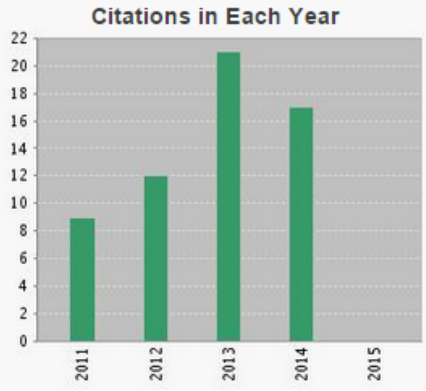
4) ELECTROCHIMICA ACTA





Results found: 11
Sum of the Times Cited [?] : 59
Sum of Times Cited without self-citations [?] : 52
Citing Articles [?] : 48
Citing Articles without self-citations [?] : 44
Average Citations per Item [?] : 5.3
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	4	2	2	2	1	11	2.20
Citations	0	9	12	21	17	59	11.80

Title: Anson Marston Distinguished Professor of Engineering

Name: Rodney O. Fox

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 54

Number of times cited: 444

H-index: 14

List of Publications:

1) Yuan, Cansheng, Bo Kong, Alberto Passalacqua, and Rodney O. Fox. "An extended quadrature-based mass-velocity moment model for polydisperse bubbly flows." *The Canadian Journal of Chemical Engineering* 92, no. 12 (2014): 2053-2066.
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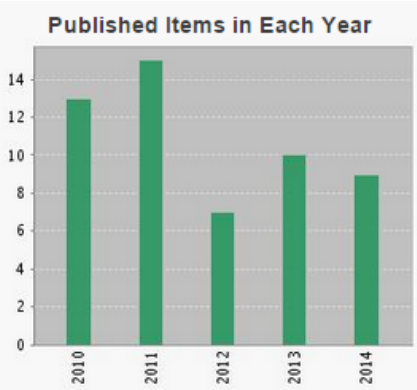
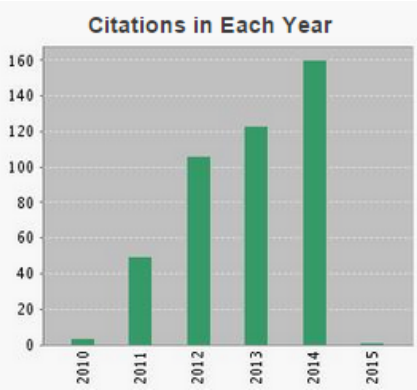
2) FLOW TURBULENCE AND COMBUSTION
3) CHEMICAL ENGINEERING JOURNAL
4) BIOMICROFLUIDICS
5) PHYSICAL REVIEW E
6) JOURNAL OF FLUID MECHANICS
7) POWDER TECHNOLOGY
8) AICHE JOURNAL
9) CHEMICAL ENGINEERING SCIENCE
10) JOURNAL OF COMPUTATIONAL PHYSICS
11) JOURNAL OF MICROMECHANICS AND MICROENGINEERING
12) INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION
13) INTERNATIONAL JOURNAL OF MULTIPHASE FLOW
14) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
15) EXPERIMENTS IN FLUIDS
16) JOURNAL OF AEROSOL SCIENCE
17) JOURNAL OF COMPUTATIONAL PHYSICS
18) FUEL
19) CHEMICAL ENGINEERING SCIENCE
20) ANNUAL REVIEW OF FLUID MECHANICS, VOL 44
21) APPLIED PHYSICS LETTERS
22) ADVANCED POWDER TECHNOLOGY
23) COMMUNICATIONS IN COMPUTATIONAL PHYSICS
24) APPLIED MATHEMATICAL MODELLING
25) FLOW TURBULENCE AND COMBUSTION
26) JOURNAL OF COLLOID AND INTERFACE SCIENCE
27) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
28) CHEMICAL ENGINEERING RESEARCH & DESIGN
29) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
30) JOURNAL OF PHYSICAL CHEMISTRY A





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Citing Articles without self-citations [?] : 231
Average Citations per Item [?] : 8.22
h-index [?] : 14

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	13	15	7	10	9	54	10.80
Citations	5	50	106	123	160	444	74.00

Title: Vlasta Klima Balloun Professor/Associate Dean of Engineering

Name: Balaji Narasimhan

Web of Science Author Identifier: A-5487-2008

Number of publications 2010-2014: 39

Number of times cited: 342

H-index: 11

List of Publications:

1) Haughney, Shannon L., Kathleen A. Ross, Paola M. Boggiatto, Michael J. Wannemuehler, and Balaji Narasimhan. "Effect of nanovaYearine chemistry on humoral immune response kinetics and maturation." *Nanoscale* 6, no. 22 (2014): 13770-13778.
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Times Cited: 10

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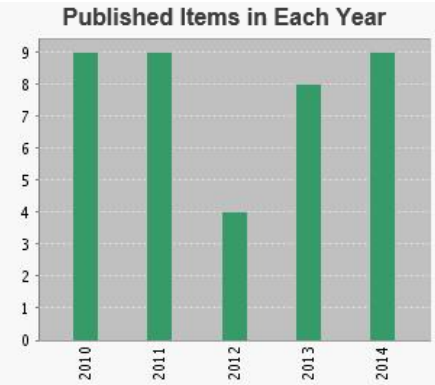
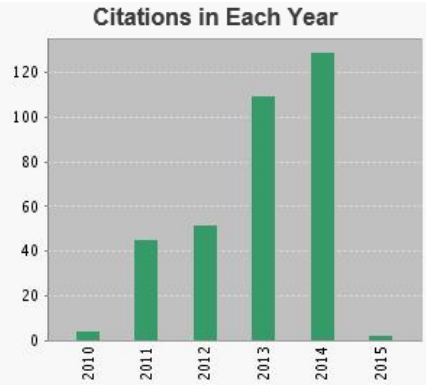
List of Journals:

1) NANOSCALE
2) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A
3) JOURNAL OF CONTROLLED RELEASE
4) JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION
5) JOURNAL OF BIOMEDICAL NANOTECHNOLOGY
6) ADVANCED HEALTHCARE MATERIALS
7) BIOTECHNOLOGY AND BIOENGINEERING
8) SCIENTIFIC REPORTS
9) ACTA BIOMATERIALIA
10) AICHE JOURNAL
11) ADVANCED HEALTHCARE MATERIALS
12) INTERNATIONAL JOURNAL OF NANOMEDICINE
13) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS
14) LANGMUIR
15) BIOMATERIALS
16) MOLECULAR PHARMACEUTICS
17) INTERNATIONAL JOURNAL OF PHARMACEUTICS
18) TISSUE ENGINEERING PART A
19) MOLECULAR PHARMACEUTICS
20) PLOS ONE
21) ACS COMBINATORIAL SCIENCE
22) JOURNAL OF APPLIED POLYMER SCIENCE
23) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A
24) POLYMER ENGINEERING AND SCIENCE
25) JOURNAL OF COMBINATORIAL CHEMISTRY

26) MACROMOLECULAR RAPID COMMUNICATIONS
27) ACS APPLIED MATERIALS & INTERFACES





Results found: 39
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Sum of Times Cited without self-citations [?] : 19
Citing Articles [?] : 18
Citing Articles without self-citations [?] : 15
Average Citations per Item [?] : 8.7
h-index [?] : 11

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	9	9	4	8	9	39	7.80
Citations	6	45	52	110	129	342	57.00

Title: Professor

Name: Derrick K, Rollins

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 7

Number of times cited: 21

H-index: 2

List of Publications:

1) Eren-Oruklu, Meriyan, Ali Cinar, Derrick K. Rollins, and Lauretta Quinn. "Adaptive system identification for estimating future glucose concentrations and hypoglycemia alarms." *Automatica* 48, no. 8 (2012): 1892-1897.

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2) Rollins Sr, Derrick K., Dongmei Zhai, Nidhi Bhandari, Amy Roggendorf, Rubal Dua, and Huaiqing Wu. "Dynamic Predictive Modeling Under Measured and Unmeasured Continuous-Time Stochastic Input Behavior." *Industrial & Engineering Chemistry Research* 51, no. 15 (2012): 5469-5479.

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3) Beverlin, Lucas P., Derrick K. Rollins, Nisarg Vyas, and David Andre. "An Algorithm for Optimally Fitting a Wiener Model." *Mathematical Problems in Engineering* 2011 (2011).

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5) Beverlin, Lucas P., Derrick K. Rollins, Nisarg Vyas, and David Andre. "An Algorithm for Optimally Fitting a Wiener Model." *Mathematical Problems in Engineering* 2011 (2011).

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6) Turksoy, Kamuran, Elif S. Bayrak, Lauretta Quinn, Elizabeth Littlejohn, Derrick Rollins, and Ali Cinar. "Hypoglycemia early alarm systems based on multivariable models." *Industrial & engineering chemistry research* 52, no. 35 (2013): 12329-12336.

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7) Rollins, Derrick K., and AiLing Teh. "An extended data mining method for identifying differentially expressed assay-specific signatures in functional genomic studies." *BioData mining* 3 (2010): 11.

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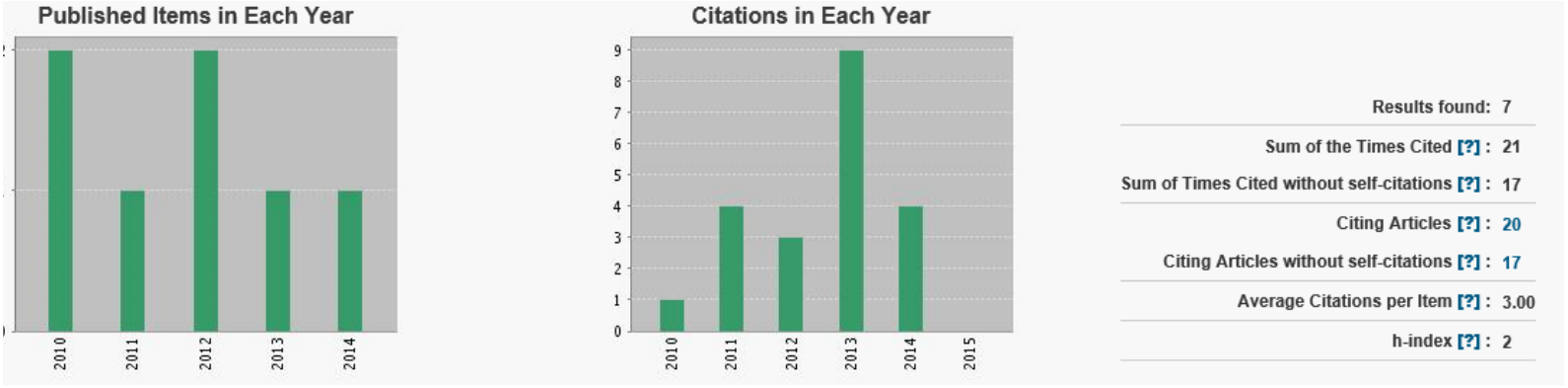
1) AUTOMATICA

2) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
3) MATHEMATICAL PROBLEMS IN ENGINEERING
4) JOURNAL OF PROCESS CONTROL
5) BIODATA MINING



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	1	2	1	1	7	1.40
Citations	1	4	3	9	4	21	4.50

Title: Professor

Name: Surya Mallapragada

Web of Science Author Identifier:

Number of publications 2010-2014: 35

Number of times cited: 207

H-index: 10

List of Publications:

1) Ge, Qinwen, Xunpei Liu, German Parada, Surya K. Mallapragada, and Mufit Akinc. "Synthesis of Mesoporous Zirconia Templated by Block Copolymer-Lysozyme Conjugate in Aqueous Media." *Science of Advanced Materials* 6, no. 10 (2014): 2106-2114.
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2) Kashyap, Sanjay, Taylor J. Woehl, Xunpei Liu, Surya K. Mallapragada, and Tanya Prozorov. "Nucleation of Iron Oxide Nanoparticles Mediated by Mms6 Protein In Situ." *ACS nano* 8, no. 9 (2014): 9097-9106.
Times Cited: 1

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12) Liu, Xunpei, Qinwen Ge, Aditya Rawal, German Parada, Klaus Schmidt-Rohr, Mufit Akinc, and Surya K. Mallapragada. "Templated and Bioinspired Aqueous Phase Synthesis and Characterization of Mesoporous Zirconia." *Science of Advanced Materials* 5, no. 4 (2013): 354-365.
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14) Jia, Feng, Yanjie Zhang, Balaji Narasimhan, and Surya K. Mallapragada. "Block copolymer-quantum dot micelles for multienzyme colocalization." *Langmuir* 28, no. 50 (2012): 17389-17395.
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25) Zhang, Bingqi, Yanjie Zhang, Surya K. Mallapragada, and Aaron R. Clapp. "Sensing polymer/DNA polyplex dissociation using quantum dot fluorophores." *ACS nano* 5, no. 1 (2010): 129-138.
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26) Ariza, Carlos Atico, Asha T. Fleury, Christian J. Tormos, Vadim Petruk, Sagar Chawla, Jisun Oh, Donald S. Sakaguchi, and Surya K. Mallapragada. "The influence of electric fields on hippocampal neural progenitor cells." *Stem Cell Reviews and Reports* 6, no. 4 (2010): 585-600.
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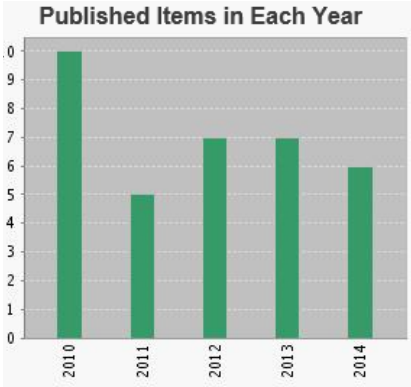
34) Zhang, Ying, Surya K. Mallapragada, and Balaji Narasimhan. "A Novel High Throughput Method to Investigate Polymer Dissolution." *Macromolecular rapid communications* 31, no. 4 (2010): 385-390.

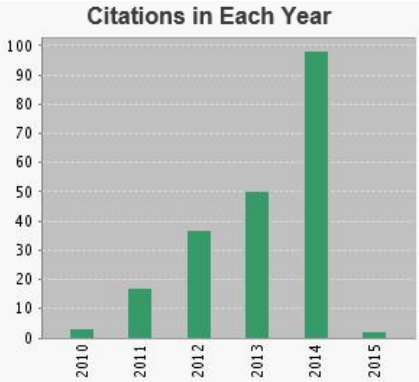
Times Cited: 9

List of Journals:

1) SCIENCE OF ADVANCED MATERIALS
2) ACS NANO
3) JOURNAL OF BIOMEDICAL NANOTECHNOLOGY
4) EUROPEAN JOURNAL OF MINERALOGY
5) RSC ADVANCES
6) INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES
7) MACROMOLECULAR CHEMISTRY AND PHYSICS
8) MATERIALS SCIENCE & ENGINEERING R-REPORTS

9) AICHE JOURNAL
10) LANGMUIR
11) MATHEMATICAL BIOSCIENCES
12) INTERNATIONAL JOURNAL OF PHARMACEUTICS
13) JOURNAL OF PHYSICAL CHEMISTRY C
14) TISSUE ENGINEERING PART A
15) ACTA BIOMATERIALIA
16) JOURNAL OF APPLIED POLYMER SCIENCE
17) JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A
18) JOURNAL OF CONTROLLED RELEASE
19) BIOTECHNOLOGY AND BIOENGINEERING
20) SCIENCE OF ADVANCED MATERIALS
21) JOURNAL OF THE AMERICAN CERAMIC SOCIETY
22) UROLOGY
23) BIOMACROMOLECULES
24) STEM CELL REVIEWS AND REPORTS
25) ASIAN JOURNAL OF ANDROLOGY
26) JOURNAL OF NEUROSCIENCE RESEARCH
27) POLYMER ENGINEERING AND SCIENCE
28) MACROMOLECULAR RAPID COMMUNICATIONS
29) ACS APPLIED MATERIALS & INTERFACES





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Citing Articles without self-citations [?] : 160
Average Citations per Item [?] : 5.91
h-index [?] : 10

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	10	5	7	7	6	35	7.00
Citations	5	17	37	50	98	207	34.50

Title: Professor

Name: Charles E. Glatz

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 11

Number of times cited: 61

H-index: 4

List of Publications:

1) Marti, M. E., W. J. Colonna, P. Patra, H. Zhang, C. Green, G. Reznik, M. Pynn et al. "Production and characterization of microbial biosurfactants for potential use in oil-spill remediation." *Enzyme and microbial technology* 55 (2014): 31-39.
Times Cited: 2

2) Swanson, Ryan K., Ruo Xu, Dan Nettleton, and Charles E. Glatz. "Proteomics-based, multivariate random forest method for prediction of protein separation behavior during cation-exchange chromatography." *Journal of Chromatography A* 1249 (2012): 103-114.
Times Cited: 1

3) de Moura, J. M. L. N., K. Campbell, N. M. de Almeida, C. E. Glatz, and L. A. Johnson. "Protein recovery in aqueous extraction processing of soybeans using isoelectric precipitation and nanofiltration." *Journal of the American Oil Chemists' Society* 88, no. 9 (2011): 1447-1454.
Times Cited: 2

4) De Moura, J. M. L. N., K. Campbell, N. M. de Almeida, C. E. Glatz, and L. A. Johnson. "Protein extraction and membrane recovery in enzyme-assisted aqueous extraction processing of soybeans." *Journal of the American Oil Chemists' Society* 88, no. 6 (2011): 877-889.
Times Cited: 5

5) Campbell, K. A., C. E. Glatz, L. A. Johnson, S. Jung, J. M. N. De Moura, V. Kapchie, and P. Murphy. "Advances in aqueous extraction processing of soybeans." *Journal of the American Oil Chemists' Society* 88, no. 4 (2011): 449-465.
Times Cited: 19

6) Aspelund, Matthew T., and Charles E. Glatz. "Clarification of aqueous corn extracts by tangential flow microfiltration." *Journal of Membrane Science* 365, no. 1 (2010): 123-129.
Times Cited: 3

7) Paraman, Ilankovan, Lorena Moeller, M. Paul Scott, Kan Wang, Charles E. Glatz, and Lawrence A. Johnson. "Utilizing protein-lean coproducts from corn containing recombinant pharmaceutical proteins for ethanol production." *Journal of agricultural and food chemistry* 58, no. 19 (2010): 10419-10425.
Times Cited: 4

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Times Cited: 3

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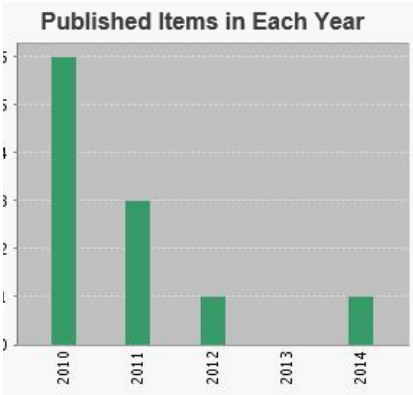
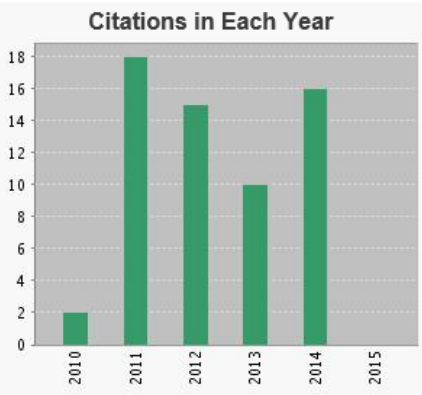
Times Cited: 3

List of Journal:





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Sum of the Times Cited [?] : 61
Sum of Times Cited without self-citations [?] : 56
Citing Articles [?] : 51
Citing Articles without self-citations [?] : 47
Average Citations per Item [?] : 5.55
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	6	3	1	0	1	11	2.20
Citations	2	18	15	10	16	61	10.17

Title: Professor

Name: Kurt Hebert

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 11

Number of times cited: 117

H-index: 5

List of Publications:

1) Çapraz, Ömer Özgür, Pranav Shrotriya, and Kurt R. Hebert. "Measurement of Stress Changes during Growth and Dissolution of Anodic Oxide Films on Aluminum." *Journal of The Electrochemical Society* 161, no. 5 (2014): D256-D262.
Times Cited: 1

2) Çapraz, Ömer Özgür, Kurt R. Hebert, and Pranav Shrotriya. "In Situ Stress Measurement During Aluminum Anodizing Using Phase-Shifting Curvature Interferometry." *Journal of The Electrochemical Society* 160, no. 11 (2013): D501-D506.
Times Cited: 2

3) Hebert, Kurt R., Sergiu P. Albu, Indhumati Paramasivam, and Patrik Schmuki. "Morphological instability leading to formation of porous anodic oxide films." *Nature materials* 11, no. 2 (2012): 162-166.
Times Cited: 64

4) Zhang, Yi, Jiahe Ai, Andrew C. Hillier, and Kurt R. Hebert. "Atom Probe Tomography Characterization of Thin Copper Layers on Aluminum Deposited by Galvanic Displacement." *Langmuir* 28, no. 3 (2012): 1673-1677.
Times Cited: 2

5) Albu, Sergiu P., Nicola TaYearardi, Indhu Paramasivam, Kurt R. Hebert, and Patrik Schmuki. "Oxide growth efficiencies and self-organization of TiO2 nanotubes." *Journal of The Electrochemical Society* 159, no. 8 (2012): H697-H703.
Times Cited: 3

6) Hebert, Kurt R., Guiping Zhang, Kai-Ming Ho, and Cai-Zhuang Wang. "Modeling electrochemical and metal-phase processes during alkaline aluminum corrosion." *Electrochimica Acta* 58 (2011): 203-208.
Times Cited: 2

7) Ai, J. H., S. P. Liu, Newira A. Widharta, Saikat Adhikari, James W. Anderegg, and Kurt R. Hebert. "Copper Layers Deposited on Aluminum by Galvanic Displacement." *The Journal of Physical Chemistry C* 115, no. 45 (2011): 22354-22359.
Times Cited: 5

8) Hebert, K. R., J. H. Ai, G. R. Stafford, K. M. Ho, and C. Z. Wang. “Vacancy defects in aluminum formed during aqueous dissolution.” *Electrochimica Acta* 56, no. 4 (2011): 1806-1809.
Times Cited: 7

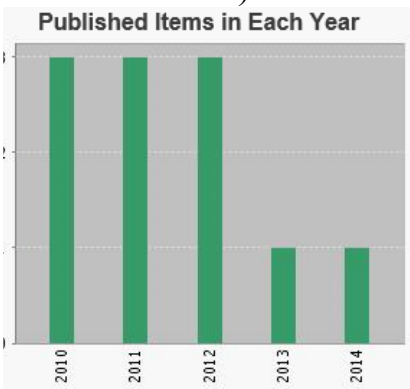
9) Adhikari, S., L. S. Chumbley, H. Chen, Y. C. Jean, A. C. Geiculescu, A. C. Hillier, and K. R. Hebert. "Interfacial voids in aluminum created by aqueous dissolution." *Electrochimica Acta* 55, no. 20 (2010): 6093-6100.
Times Cited: 7

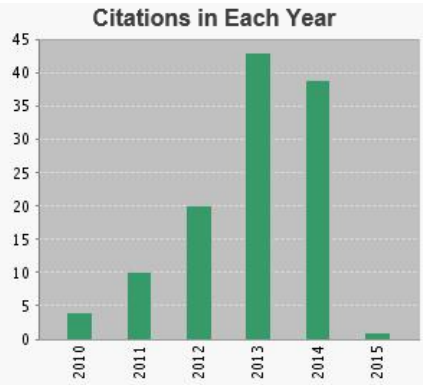
10) Adhikari, Saikat, Jiahe Ai, Kurt R. Hebert, K. M. Ho, and C. Z. Wang. "Hydrogen in aluminum during alkaline corrosion." *Electrochimica Acta* 55, no. 19 (2010): 5326-5331.
Times Cited: 8

11) Ji, Min, Cai-zhuang Wang, Kai-ming Ho, Saikat Adhikari, and Kurt R. Hebert. "Statistical model of defects in Al-H system." *Physical Review B* 81, no. 2 (2010): 024105.
Times Cited: 16

List of Journals:

1) JOURNAL OF THE ELECTROCHEMICAL SOCIETY
2) NATURE MATERIALS
3) LANGMUIR
4) ELECTROCHIMICA ACTA
5) JOURNAL OF PHYSICAL CHEMISTRY C
6) PHYSICAL REVIEW B





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Citing Articles [?] : 96
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Average Citations per Item [?] : 10.64
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	3	3	1	1	11	2.20
Citations	5	10	20	43	39	117	19.50

Title: Professor

Name: Kurt Hebert

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 2

Number of times cited: 5

H-index: 1

List of Publications:

1) Daly, Shanna R., Seda Yilmaz, James L. Christian, Colleen M. Seifert, and Richard Gonzalez. "Design heuristics in engineering concept generation." *Journal of Engineering Education* 101, no. 4 (2012): 601-629.

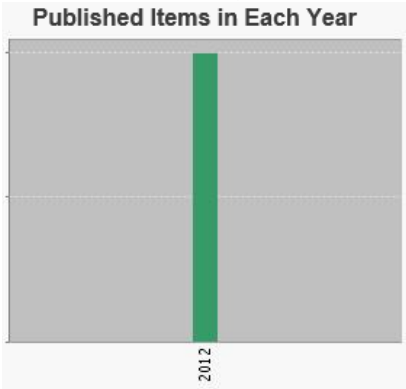
Times Cited: 4

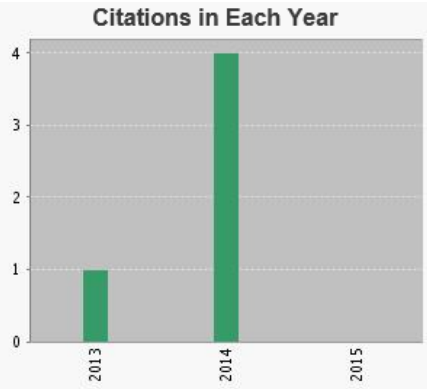
2) Daly, Shanna R., James L. Christian, Seda Yilmaz, Colleen M. Seifert, and Richard Gonzalez. "Assessing design heuristics for idea generation in an introductory engineering course." *International Journal of Engineering Education* 28, no. 2 (2012): 463.

Times Cited: 1

List of Journals:

1) JOURNAL OF ENGINEERING EDUCATION
2) INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION





Results found: 2
Sum of the Times Cited [?] : 5
Sum of Times Cited without self-citations [?] : 5
Citing Articles [?] : 5
Citing Articles without self-citations [?] : 5
Average Citations per Item [?] : 2.50
h-index [?] : 1

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	2	0	0	2	0.40
Citations	0	0	0	1	4	5	1.67

Title: Associate Professor / Associate Chair

Name: Kurt Hebert

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 13

Number of times cited: 79

H-index: 4

List of Publications:

1) Markutsya, Sergiy, and Monica H. Lamm. "A coarse-graining approach for molecular simulation that retains the dynamics of the all-atom reference system by implementing hydrodynamic interactions." *The Journal of chemical physics* 141, no. 17 (2014): 174107.

Times Cited: 0

2) Ilgu, Muslum, D. Bruce Fulton, Ragothaman M. Yennamalli, Monica H. Lamm, Taner Z. Sen, and Marit Nilsen-Hamilton. "An adaptable pentaloop defines a robust neomycin-B RNA aptamer with conditional ligand-bound structures." *rna* (2014).

Times Cited: 0

3) Pruitt, Margaret M., Monica H. Lamm, and Clark R. Coffman. "Molecular dynamics simulations on the Tre1 G protein-coupled receptor: exploring the role of the arginine of the NRY motif in Tre1 structure." *BMC structural biology* 13, no. 1 (2013): 15.

Times Cited: 0

4) Ilgu, Muslum, Tianjiao Wang, Monica H. Lamm, and Marit Nilsen-Hamilton. "Investigating the malleability of RNA aptamers." *Methods* 63, no. 2 (2013): 178-187.

Times Cited: 4

5) Devarajan, Ajitha, Sergiy Markutsya, Monica H. Lamm, Xiaolin Cheng, Jeremy C. Smith, John Y. Baluyut, Yana Kholod, Mark S. Gordon, and Theresa L. Windus. "Ab Initio Study of Molecular Interactions in Cellulose Iα." *The Journal of Physical Chemistry B* 117, no. 36 (2013): 10430-10443.

Times Cited: 3

6) Markutsya, Sergiy, Ajitha Devarajan, John Y. Baluyut, Theresa L. Windus, Mark S. Gordon, and Monica H. Lamm. "Evaluation of coarse-grained mapping schemes for polysaYearharide chains in cellulose." *The Journal of chemical physics* 138, no. 21 (2013): 214108.

Times Cited: 3

7) Bhattacharya, Priyanka, Seung Ha Kim, Pengyu Chen, Ran Chen, Anne M. Spuches, Jared M. Brown, Monica H. Lamm, and Pu Chun Ke. "Dendrimer–fullerenol soft-condensed nanoassembly." *The Journal of Physical Chemistry C* 116, no. 29 (2012): 15775-15781.

Times Cited: 3

8) Kim, Seung Ha, and Monica H. Lamm. "Multiscale Modeling for Host-Guest Chemistry of Dendrimers in Solution." *Polymers* 4, no. 1 (2012): 463-485.

Times Cited: 4

9) Markutsya, Sergiy, Yana A. Kholod, Ajitha Devarajan, Theresa L. Windus, Mark S. Gordon, and Monica H. Lamm. "A coarse-grained model for β-d-glucose based on force matching." *Theoretical Chemistry AYearounts* 131, no. 3 (2012): 1-15.

Times Cited: 6

10) Kim, Seung Ha, and Monica H. Lamm. "Reintroducing explicit solvent to a solvent-free coarse-grained model." *Physical Review E* 84, no. 2 (2011): 025701.

Times Cited: 4

11) Ke, Pu Chun, and Monica H. Lamm. "A biophysical perspective of understanding nanoparticles at large." *Physical Chemistry Chemical Physics* 13, no. 16 (2011): 7273-7283.

Times Cited: 25

12) Pranami, Gaurav, Monica H. Lamm, and R. Dennis Vigil. "Molecular dynamics simulation of fractal aggregate diffusion." *Physical Review E* 82, no. 5 (2010): 051402.

Times Cited: 9

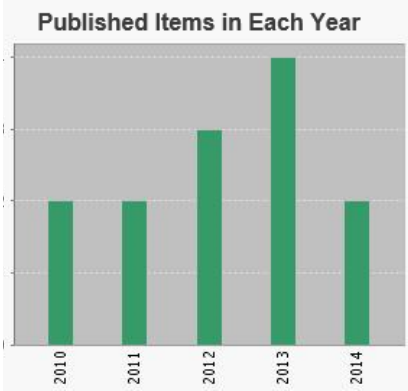
13) Lard, Mercy, Seung Ha Kim, Sijie Lin, Priyanka Bhattacharya, Pu Chun Ke, and Monica H. Lamm. "Fluorescence resonance energy transfer between phenanthrene and PAMAM dendrimers." *Physical Chemistry Chemical Physics* 12, no. 32 (2010): 9285-9291.

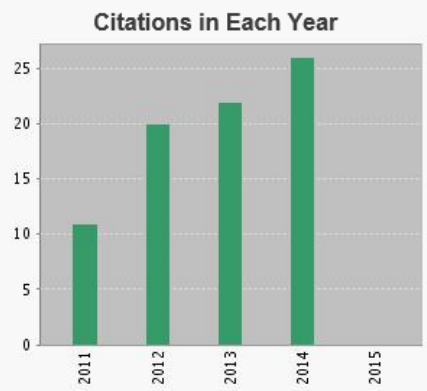
Times Cited: 18

List of Journals:

1) JOURNAL OF CHEMICAL PHYSICS
2) RNA-A PUBLICATION OF THE RNA SOCIETY
3) BMC STRUCTURAL BIOLOGY
4) METHODS
5) JOURNAL OF PHYSICAL CHEMISTRY B
6) JOURNAL OF CHEMICAL PHYSICS
7) JOURNAL OF PHYSICAL CHEMISTRY C
8) POLYMERS
9) THEORETICAL CHEMISTRY AYEAROUNTS

10) PHYSICAL CHEMISTRY CHEMICAL PHYSICS
11) PHYSICAL REVIEW E
12) PHYSICAL CHEMISTRY CHEMICAL PHYSICS





Results found: 13
Sum of the Times Cited [?] : 79
Sum of Times Cited without self-citations [?] : 69
Citing Articles [?] : 70
Citing Articles without self-citations [?] : 63
Average Citations per Item [?] : 6.08
h-index [?] : 4

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	2	3	4	2	13	3.60
Citations	0	11	20	22	26	79	15.80

Title: Richard Seagrave Associate Professor

Name: Wenzhen Li

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 1

Number of times cited: 0

H-index: 0

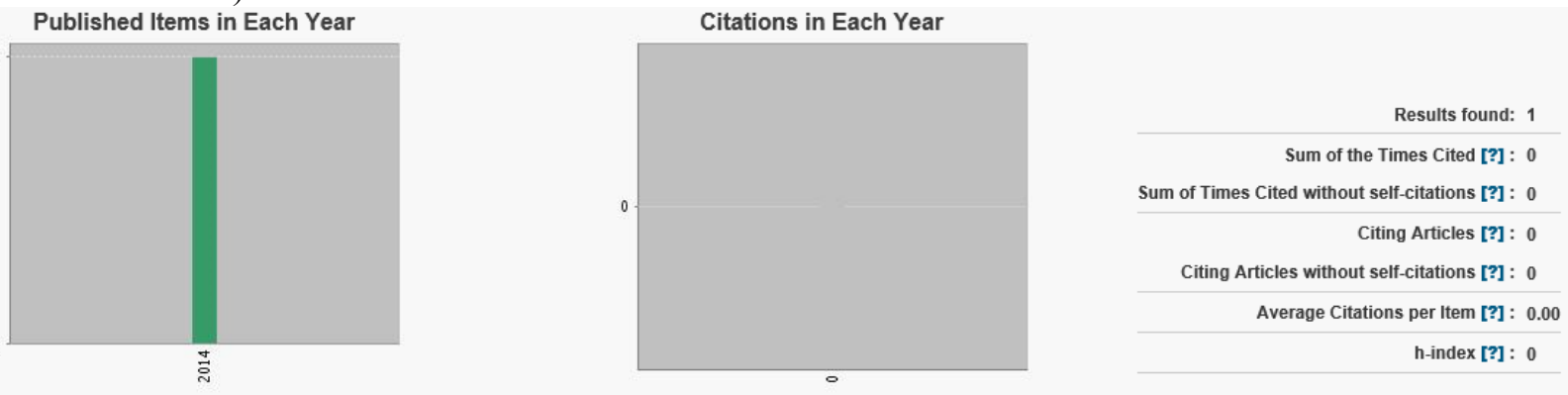
List of Publications:

1) Han, Xiaotong, David J. Chadderdon, Ji Qi, Le Xin, Wenzhen Li, and Wen Zhou. "Numerical analysis of anion-exchange membrane direct glycerol fuel cells under steady state and dynamic operations." *International Journal of Hydrogen Energy* 39, no. 34 (2014): 19767-19779.

Times Cited: 0

List of Journal:

1) INTERNATIONAL JOURNAL OF HYDROGEN ENERGY



Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	0	0	0	0	1	1	0.20
Citations	0	0	0	0	0	0	0

Title: Associate Professor

Name: Laura Jarboe

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 20

Number of times cited: 140

H-index: 6

List of Publications:

1) Liang, Xiao, Michelle L. Soupir, Shawn Rigby, Laura R. Jarboe, and Wei Zhang. "Flow cytometry is a promising and rapid method for differentiating between freely suspended Escherichia coli and E. coli attached to clay particles." *Journal of applied microbiology* 117, no. 6 (2014): 1730-1739.
Times Cited: 0

2) Claypool, Joshua T., D. Raj Raman, Laura R. Jarboe, and David R. Nielsen. "Technoeconomic evaluation of bio-based styrene production by engineered Escherichia coli." *Journal of industrial microbiology & biotechnology* 41, no. 8 (2014): 1211-1216.
Times Cited: 1

3) Rover, Marjorie R., Patrick A. Johnston, Tao Jin, Ryan G. Smith, Robert C. Brown, and Laura Jarboe. "Production of Clean Pyrolytic Sugars for Fermentation." *ChemSusChem* (2014).
Times Cited: 2

4) Royce, Liam A., Erin Boggess, Yao Fu, Ping Liu, Jacqueline V. Shanks, Julie Dickerson, and Laura R. Jarboe. "Transcriptomic Analysis of Carboxylic Acid Challenge in Escherichia coli: Beyond Membrane Damage." *PloS one* 9, no. 2 (2014): e89580.
Times Cited: 0

5) Royce, Liam A., Erin Boggess, Yao Fu, Ping Liu, Jacqueline V. Shanks, Julie Dickerson, and Laura R. Jarboe. "Transcriptomic Analysis of Carboxylic Acid Challenge in Escherichia coli: Beyond Membrane Damage." *PloS one* 9, no. 2 (2014): e89580.
Times Cited: 0

6) Zhao, Xuefei, Zhanyou Chi, Marjorie Rover, Robert Brown, Laura Jarboe, and Zhiyou Wen. "Microalgae fermentation of acetic acid-rich pyrolytic bio-oil: Reducing bio-oil toxicity by alkali treatment." *Environmental Progress & Sustainable Energy* 32, no. 4 (2013): 955-961.
Times Cited: 1

7) Jarboe, Laura R., Liam A. Royce, and Ping Liu. "Understanding biocatalyst inhibition by carboxylic acids." *Frontiers in microbiology* 4 (2013).
Times Cited: 3

8) Royce, Liam A., Ping Liu, Matthew J. Stebbins, Benjamin C. Hanson, and Laura R. Jarboe. "The damaging effects of short chain fatty acids on Escherichia coli membranes." *Applied microbiology and biotechnology* 97, no. 18 (2013): 8317-8327.
Times Cited: 5

9) Yao, Linxing, JunYi Lio, Tong Wang, and Darren H. Jarboe. "Synthesis and characterization of acetylated and stearylyzed soy wax." *Journal of the American Oil Chemists' Society* 90, no. 7 (2013): 1063-1071.
Times Cited: 2

10) Liang, Yi, Xuefei Zhao, Zhanyou Chi, Marjorie Rover, Patrick Johnston, Robert Brown, Laura Jarboe, and Zhiyou Wen. "Utilization of acetic acid-rich pyrolytic bio-oil by microalga< i> Chlamydomonas reinhardtii</i>: Reducing bio-oil toxicity and enhancing algal toxicity tolerance." *Bioresource technology* 133 (2013): 500-506.
Times Cited: 4

11) Kautharapu, Kumar B., John Rathmacher, and Laura R. Jarboe. "Growth condition optimization for docosahexaenoic acid (DHA) production by Moritella marina MP-1." *Applied microbiology and biotechnology* 97, no. 7 (2013): 2859-2866.
Times Cited: 2

12) Liu, Ping, Andriy Chernyshov, Tarek Najdi, Yao Fu, Julie Dickerson, Suzanne Sandmeyer, and Laura Jarboe. "Membrane stress caused by octanoic acid in SaYearharomyces cerevisiae." *Applied microbiology and biotechnology* 97, no. 7 (2013): 3239-3251.
Times Cited: 6

13) Kautharapu, Kumar B., and Laura R. Jarboe. "Genome sequence of the psychrophilic deep-sea bacterium Moritella marina MP-1 (ATYEAR 15381)." *Journal of bacteriology* 194, no. 22 (2012): 6296-6297.
Times Cited: 2

14) Liu, Ping, Michelle L. Soupir, Martha Zwonitzer, Bridgette Huss, and Laura R. Jarboe. "Association of antibiotic resistance in agricultural Escherichia coli isolates with attachment to quartz." *Applied and environmental microbiology* 77, no. 19 (2011): 6945-6953.
Times Cited: 3

15) Hanna, H. M., and D. H. Jarboe. "Effects of Full, Abbreviated, and No Clean-Outs on Commingled Grain during Combine Harvest." *Applied engineering in agriculture* (2011).
Times Cited: 0

16) Layton, Donovan S., Avanthi Ajjarapu, Dong Won Choi, and Laura R. Jarboe. "Engineering ethanologenic Escherichia coli for levoglucosan utilization." *Bioresource technology* 102, no. 17 (2011): 8318-8322.
Times Cited: 9

17) Jarboe, Laura R., Zhiyou Wen, DongWon Choi, and Robert C. Brown. "Hybrid thermochemical processing: fermentation of pyrolysis-derived bio-oil." *Applied microbiology and biotechnology* 91, no. 6 (2011): 1519-1523.
Times Cited: 14

18) Fu, Yao, Laura R. Jarboe, and Julie A. Dickerson. "Reconstructing genome-wide regulatory network of E. coli using transcriptome data and predicted transcription factor activities." *BMC bioinformatics* 12, no. 1 (2011): 233.
Times Cited: 6

19) Jarboe, Laura R. "YqhD: a broad-substrate range aldehyde reductase with various applications in production of biorenewable fuels and chemicals." *Applied microbiology and biotechnology* 89, no. 2 (2011): 249-257.

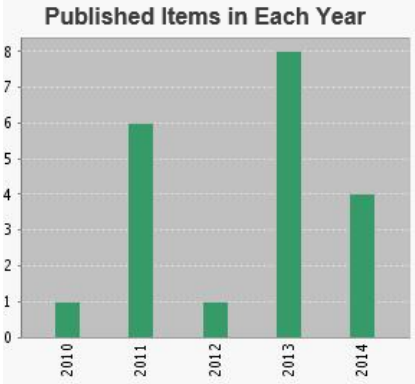
Times Cited: 31

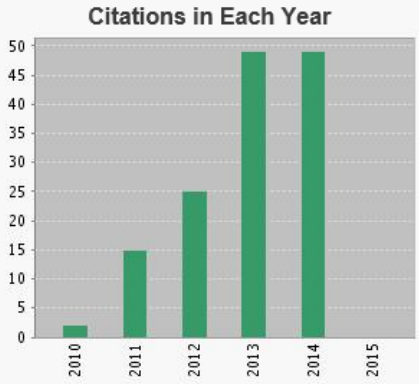
20) Jarboe, Laura R., Xueli Zhang, Xuan Wang, Jonathan C. Moore, K. T. Shanmugam, and Lonnie O. Ingram. "Metabolic engineering for production of biorenewable fuels and chemicals: contributions of synthetic biology." *BioMed Research International* 2010 (2010).

Times Cited: 48

List of Journals:

1) JOURNAL OF APPLIED MICROBIOLOGY
2) JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY
3) CHEMSUSCHEM
4) PLOS ONE
5) BIORESOURCE TECHNOLOGY
6) ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY
7) FRONTIERS IN MICROBIOLOGY
8) APPLIED MICROBIOLOGY AND BIOTECHNOLOGY
9) JOURNAL OF BACTERIOLOGY
10) APPLIED AND ENVIRONMENTAL MICROBIOLOGY
11) APPLIED ENGINEERING IN AGRICULTURE
12) BMC BIOINFORMATICS
13) JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY





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Sum of Times Cited without self-citations [?] : 120
Citing Articles [?] : 130
Citing Articles without self-citations [?] : 118
Average Citations per Item [?] : 7.00
h-index [?] : 6

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	6	1	8	4	20	4.00
Citations	2	15	25	49	49	140	23.33

Title: Associate Professor

Name: Eric W. Cochran

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 8

Number of times cited: 23

H-index: 2

List of Publications:

1) Bergman, James A., N. Hernandez, Eric W. Cochran, and Jennifer M. Heinen. "On the thermodynamics of chain architecture in acrylic block terpolymers." *Macromolecules Submitted* 5 (2014): Q2.
Times Cited: 0

2) Bergman, James A., Eric W. Cochran, and Jennifer M. Heinen. "Role of the segment distribution in the microphase separation of acrylic diblock and triblock terpolymers." *Polymer* (2014).
Times Cited: 0

3) Hernández, Nacú, R. Christopher Williams, and Eric W. Cochran. "The battle for the "green" polymer. Different approaches for biopolymer synthesis: bioadvantaged vs. bioreplacement." *Organic & biomolecular chemistry* 12, no. 18 (2014): 2834-2849.
Times Cited: 1

4) Kalluru, Sri Harsha, and Eric W. Cochran. "Synthesis of Polyolefin/Layered Silicate Nanocomposites via Surface-Initiated Ring-Opening Metathesis Polymerization." *Macromolecules* 46, no. 23 (2013): 9324-9332.
Times Cited: 1

5) Hernández, Nacú, Calvin Benson, and Eric W. Cochran. "Thermodynamics of Symmetric Diblock Copolymers Containing Poly (styrene-ran-styrenesulfonic acid)." *Macromolecules* 46, no. 1 (2012): 179-187.
Times Cited: 1

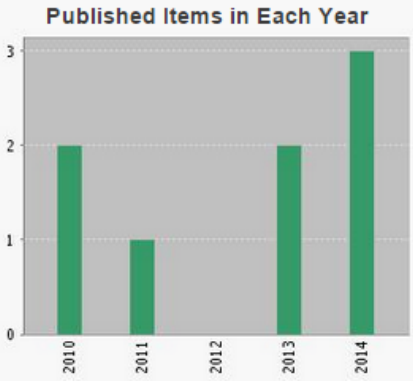
6) Kim, Seung Ha, and Eric W. Cochran. "Localization of spherical nanoparticles within lamellar AB diblock copolymer melts through self-consistent field theory." *Polymer* 52, no. 10 (2011): 2328-2339.
Times Cited: 7

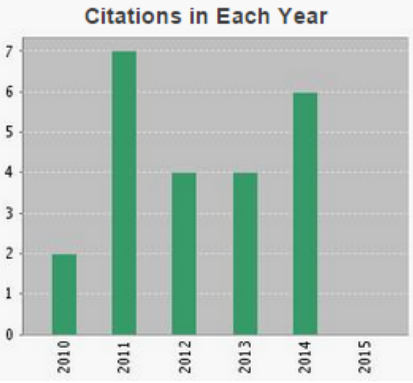
7) Behling, Ross E., Lynn M. Wolf, and Eric W. Cochran. "Hierarchically ordered montmorillonite block copolymer brushes." *Macromolecules* 43, no. 5 (2010): 2111-2114.
Times Cited: 1

8) Mishra, Vindhya, Su-mi Hur, Eric W. Cochran, Gila E. Stein, Glenn H. Fredrickson, and Edward J. Kramer. "Symmetry transition in thin films of diblock copolymer/homopolymer blends." *Macromolecules* 43, no. 4 (2010): 1942-1949.
Times Cited: 12

List of Journals:

1) MACROMOLECULES
2) POLYMER
3) ORGANIC & BIOMOLECULAR CHEMISTRY





Results found: 8
Sum of the Times Cited [?] : 23
Sum of Times Cited without self-citations [?] : 21
Citing Articles [?] : 23
Citing Articles without self-citations [?] : 21
Average Citations per Item [?] : 2.88
h-index [?] : 2

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	1	0	2	3	8	2.00
Citations	2	7	4	4	6	23	3.83

Title: Assistant Professor

Name: Matthew Panthani

Web of Science Author Identifier: C-8829-2014

Number of publications 2010-2014: 19

Number of times cited: 542

H-index: 12

List of Publications:

1) Panthani, Matthew G., J. Matthew Kurley, Ryan W. Crisp, Travis C. Dietz, Taha Ezzyat, Joseph M. Luther, and Dmitri V. Talapin. "High efficiency solution processed sintered CdTe nanocrystal solar cells: the role of interfaces." *Nano letters* 14, no. 2 (2014): 670-675.
Times Cited: 10

2) Panthani, Matthew G., Tarik A. Khan, Dariya K. Reid, Daniel J. Hellebusch, Michael R. Rasch, Jennifer A. Maynard, and Brian A. Korgel. "In Vivo Whole Animal Fluorescence Imaging of a Microparticle-Based Oral VaYearine Containing (CuInSe x S2–x)/ZnS Core/Shell Quantum Dots." *Nano letters* 13, no. 9 (2013): 4294-4298.
Times Cited: 9

3) Panthani, Matthew G., C. Jackson Stolle, Dariya K. Reid, Dong Joon Rhee, Taylor B. Harvey, Vahid A. Akhavan, Yixuan Yu, and Brian A. Korgel. "CuInSe2 quantum dot solar cells with high open-circuit voltage." *The Journal of Physical Chemistry Letters* 4, no. 12 (2013): 2030-2034.
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5) Yu, Yixuan, Colin M. Hessel, Timothy D. Bogart, Matthew G. Panthani, Michael R. Rasch, and Brian A. Korgel. "Room Temperature Hydrosilylation of Silicon Nanocrystals with Bifunctional Terminal Alkenes." *Langmuir* 29, no. 5 (2013): 1533-1540.
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6) Panthani, Matthew G., Colin M. Hessel, Dariya Reid, Gilberto Casillas, Miguel José-Yacamán, and Brian A. Korgel. "Graphene-Supported High-Resolution TEM and STEM Imaging of Silicon Nanocrystals and their Capping Ligands."*The Journal of Physical Chemistry C* 116, no. 42 (2012): 22463-22468.
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7) Chockla, Aaron M., Matthew G. Panthani, Vincent C. Holmberg, Colin M. Hessel, Dariya K. Reid, Timothy D. Bogart, Justin T. Harris, C. Buddie Mullins, and Brian A. Korgel. "Electrochemical lithiation of graphene-supported silicon and germanium for rechargeable batteries." *The Journal of Physical Chemistry C* 116, no. 22 (2012): 11917-11923.

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8) Stolle, C. Jackson, Matthew G. Panthani, Taylor B. Harvey, Vahid A. Akhavan, and Brian A. Korgel. "Comparison of the photovoltaic response of oleylamine and inorganic ligand-capped CuInSe2 nanocrystals." *ACS applied materials & interfaces* 4, no. 5 (2012): 2757-2761.
Times Cited: 16

9) Akhavan, Vahid A., Brian W. Goodfellow, Matthew G. Panthani, Chet Steinhagen, Taylor B. Harvey, Jackson C. Stolle, and Brian A. Korgel. "Colloidal CIGS and CZTS nanocrystals: A precursor route to printed photovoltaics." *JOURNAL OF SOLID STATE CHEMISTRY* 189 (2012): 2-12.
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10) Lombardo, Christopher J., Vahid A. Akhavan, Matthew G. Panthani, Brian W. Goodfellow, Brian A. Korgel, and Ananth Dodabalapur. "Temperature-dependent charge transport in copper indium diselenide nanocrystal films."*Journal of Applied Physics* 111, no. 7 (2012): 073703.
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11) Hessel, Colin M., Dariya Reid, Matthew G. Panthani, Michael R. Rasch, Brian W. Goodfellow, Junwei Wei, Hiromasa Fujii, Vahid Akhavan, and Brian A. Korgel. "Synthesis of ligand-stabilized silicon nanocrystals with size-dependent photoluminescence spanning visible to near-infrared wavelengths." *Chemistry of Materials* 24, no. 2 (2011): 393-401.
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12) Panthani, Matthew G., and Korgel, Brian A. "Nanocrystals for Electronics." *ANNUAL REVIEW OF CHEMICAL AND BIOMOLECULAR ENGINEERING, VOL 3* 3 (2012): 287-311.
Times Cited: 18

13) Hessel, Colin M., Varun P. Pattani, Michael Rasch, Matthew G. Panthani, Bonil Koo, James W. Tunnell, and Brian A. Korgel. "Copper selenide nanocrystals for photothermal therapy." *Nano letters* 11, no. 6 (2011): 2560-2566.
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14) Steinhagen, Chet, Vahid A. Akhavan, Brian W. Goodfellow, Matthew G. Panthani, Justin T. Harris, Vincent C. Holmberg, and Brian A. Korgel. "Solution− Liquid− Solid Synthesis of CuInSe2 Nanowires and Their Implementation in Photovoltaic Devices." *ACS applied materials & interfaces*3, no. 5 (2011): 1781-1785.
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15) Goodfellow, Brian W., Reken N. Patel, Matthew G. Panthani, Detlef-M. Smilgies, and Brian A. Korgel. "Melting and sintering of a body-centered cubic superlattice of PbSe nanocrystals followed by small angle X-ray scattering." *The Journal of Physical Chemistry C* 115, no. 14 (2011): 6397-6404.
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17) Ostrowski, David P., Micah S. Glaz, Brian W. Goodfellow, Vahid A. Akhavan, Matthew G. Panthani, Brian A. Korgel, and David A. Vanden Bout. "Mapping Spatial Heterogeneity in Cu (In1− xGax) Se2 Nanocrystal-Based Photovoltaics with Scanning Photocurrent and Fluorescence Microscopy."*Small* 6, no. 24 (2010): 2832-2836.

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18) Akhavan, Vahid A., Matthew G. Panthani, Brian W. Goodfellow, Dariya K. Reid, and Brian A. Korgel. "Thickness-limited performance of CuInSe< sub> 2</sub> nanocrystal photovoltaic devices." *Optics express* 18, no. 103 (2010): A411-A420.

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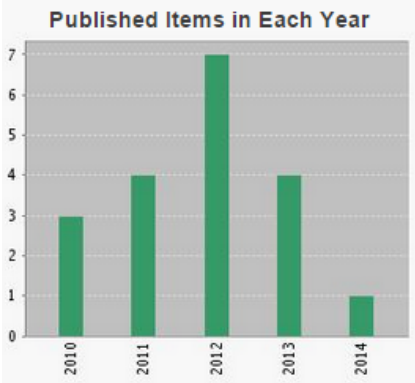
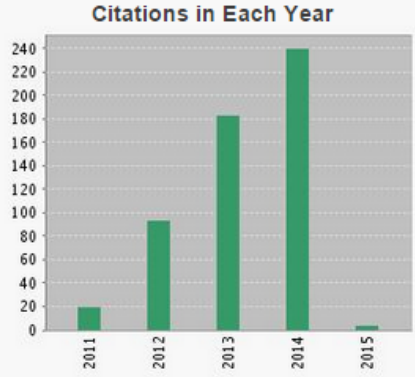
19) Akhavan, Vahid A., Brian W. Goodfellow, Matthew G. Panthani, Dariya K. Reid, Danny J. Hellebusch, Takuji Adachi, and Brian A. Korgel. "Spray-deposited CuInSe2 nanocrystal photovoltaics." *Energy & Environmental Science* 3, no. 10 (2010): 1600-1606.

Times Cited: 66

List of Journals:

1) NANO LETTERS
2) JOURNAL OF PHYSICAL CHEMISTRY LETTERS
3) CHEMSUSCHEM
4) LANGMUIR
5) JOURNAL OF PHYSICAL CHEMISTRY C
6) ACS APPLIED MATERIALS & INTERFACES
7) JOURNAL OF SOLID STATE CHEMISTRY
8) JOURNAL OF APPLIED PHYSICS
9) CHEMISTRY OF MATERIALS
10) ANNUAL REVIEW OF CHEMICAL AND BIOMOLECULAR ENGINEERING, VOL 3
11) SMALL
12) OPTICS EXPRESS
13) ENERGY & ENVIRONMENTAL SCIENCE





Results found:	19
Sum of the Times Cited [?] :	542
Sum of Times Cited without self-citations [?] :	515
Citing Articles [?] :	476
Citing Articles without self-citations [?] :	463
Average Citations per Item [?] :	28.53
h-index [?] :	12

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	4	7	3	1	19	3.80
Citations	4	20	94	184	240	542	108.40

Title: Assistant Professor

Name: Kaitlin Bratlie

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 8

Number of times cited: 87

H-index: 5

List of Publications:

1) Wang, Daniel, Ngoc Phan, Christopher Isely, Lucas Bruene, and Kaitlin M. Bratlie. "Effect of Surface Modification and Macrophage Phenotype on Particle Internalization." *Biomacromolecules* 15, no. 11 (2014): 4102-4110.

Times Cited: 0

2) Ma, Minglin, Alan Chiu, Gaurav Sahay, Joshua C. Doloff, Nimit Dholakia, Raj Thakrar, Joshua Cohen et al. "Core–shell hydrogel microcapsules for improved islets encapsulation." *Advanced healthcare materials* 2, no. 5 (2013): 667-672.

Times Cited: 5

3) Bratlie, Kaitlin M., Roger L. York, Michael A. Invernale, Robert Langer, and Daniel G. Anderson. "Materials for diabetes therapeutics." *Advanced healthcare materials* 1, no. 3 (2012): 267-284.

Times Cited: 19

4) Dang, Tram T, Kaitlin Bratlie, Said R. Bogatyrev, Xiao Y. Chen, Robert Langer, and Daniel G. Anderson. "Spatiotemporal effects of a controlled-release anti-inflammatory drug on the cellular dynamics of host response." *Biomaterials* 32, no 19 (2011): 4464-4470.

Times Cited: 9

5) Ma, Minglin, Wendy F. Liu, Paulina S. Hill, Kaitlin M. Bratlie, Daniel J. Siegwart, Justin Chin, Miri Park, Joao Guerreiro, and Daniel G. Anderson. "Development of cationic polymer coatings to regulate foreign-body responses." *Advanced Materials* 23, no. 24 (2011): H189-H194.

Times Cited: 12

6) Liu, Wendy F., Minglin Ma, Kaitlin M. Bratlie, Tram T. Dang, Robert Langer, and Daniel G. Anderson. "Real-time in vivo detection of biomaterial-induced reactive oxygen species." *Biomaterials* 32, no. 7 (2011): 1796-1801.

Times Cited: 25

7) York, Roger L., Kaitlin M. Bratlie, Lloyd R. Hile, and Larry K. Jang. "Dead zones in porous catalysts: Concentration profiles and efficiency factors."*Catalysis Today* 160, no. 1 (2011): 204-212.

Times Cited: 1

8) Bratlie, Kaitlin M., Tram T. Dang, Stephen Lyle, Matthias Nahrendorf, Ralph Weissleder, Robert Langer, and Daniel G. Anderson. "Rapid biocompatibility analysis of materials via in vivo fluorescence imaging of mouse models."*PLoS One* 5, no. 4 (2010): e10032.

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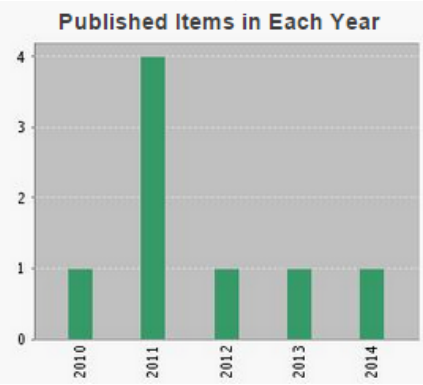
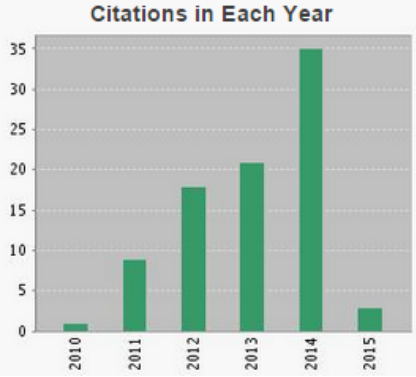
List of Journals:

1) BIOMACROMOLECULES
2) ADVANCED HEALTHCARE MATERIALS
3) BIOMATERIALS
4) ADVANCED MATERIALS
5) CATALYSIS TODAY
6) PLOS ONE





Results found: 8
Sum of the Times Cited [?] : 87
Sum of Times Cited without self-citations [?] : 78
Citing Articles [?] : 71
Citing Articles without self-citations [?] : 66
Average Citations per Item [?] : 10.88
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	4	1	1	1	8	1.60
Citations	4	9	18	21	35	87	14.50

Title: Assistant Professor

Name: Ian C. Schneider

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 15

Number of times cited: 398

H-index: 5

List of Publications:

1) Hou, Yue, Laura Lara Rodriguez, Juan Wang, and Ian C. Schneider. "Collagen attachment to the substrate controls cell clustering through migration." *Physical biology* 11, no. 5 (2014): 056007.
Times Cited: 0

2) Haage, Amanda, and Ian C. Schneider. "Cellular contractility and extracellular matrix stiffness regulate matrix metalloproteinase activity in pancreatic cancer cells." *The FASEB Journal* (2014): fj-13.
Times Cited: 0

3) Haage, Amanda, Dong Hyun Nam, Xin Ge, and Ian C. Schneider. "Matrix Metalloproteinase-14 is a Mechanically Regulated Activator of Secreted MMPs and Invasion." *Biochemical and Biophysical Research Communications* (2014).
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4) Romsey, Nicholas R., Yue Hou, Laura Lara Rodriguez, and Ian C. Schneider. "The Number of Lines a Cell Contacts and Cell Contractility Drive the Efficiency of Contact Guidance." *Cellular and Molecular Bioengineering* 7, no. 1 (2014): 122-135.
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5) Heidmeier, Sabine, Jan RH Hanauer, Katrin Friedrich, Steffen Prüfer, Irene C. Schneider, Christian J. Buchholz, Klaus Cichutek, and Michael D. Mühlebach. "A single amino acid substitution in the measles virus F2 protein reciprocally modulates membrane fusion activity in pathogenic and oncolytic strains." *Virus research* 180 (2014): 43-48.
Times Cited: 0

6) Abel, Tobias, Ebtisam El Filali, Johan Waern, Irene C. Schneider, Qinggong Yuan, Robert C. Münch, Meike Hick et al. "Specific gene delivery to liver sinusoidal and artery endothelial cells." *Blood* 122, no. 12 (2013): 2030-2038.
Times Cited: 3

7) Rodriguez, Laura Lara, and Ian C. Schneider. "Directed cell migration in multi-cue environments." *Integr. Biol.* 5, no. 11 (2013): 1306-1323.
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8) Zhou, Qi, Irene C. Schneider, Inan Edes, Annemarie Honegger, Patricia Bach, Kurt Schönfeld, Axel Schambach et al. "T-cell receptor gene transfer exclusively to human CD8+ cells enhances tumor cell killing." *Blood* 120, no. 22 (2012): 4334-4342.
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9) Zhang, Yanjie, Amanda Haage, Elizabeth M. Whitley, Ian C. Schneider, and Aaron R. Clapp. "Mixed-surface, lipid-tethered quantum dots for targeting cells and tissues." *Colloids and Surfaces B: Biointerfaces* 94 (2012): 27-35.
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10) Hou, Yue, Sarah Hedberg, and Ian C. Schneider. "Differences in adhesion and protrusion properties correlate with differences in migration speed under EGF stimulation." *BMC biophysics* 5, no. 1 (2012): 8.
Times Cited: 4

11) Schneider, Irene C., Manon Eckhardt, Julia Brynza, Mary K. Collins, Klaus Cichutek, and Christian J. Buchholz. "Escape from R-peptide deletion in a γ-retrovirus." *Virology* 418, no. 2 (2011): 85-92.
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12) Zhou, Qi, Irene C. Schneider, Manuela Gallet, Sabrina Kneissl, and Christian J. Buchholz. "Resting lymphocyte transduction with measles virus glycoprotein pseudotyped lentiviral vectors relies on CD46 and SLAM."*Virology* 413, no. 2 (2011): 149-152.
Times Cited: 8

13) Anliker, Brigitte, Tobias Abel, Sabrina Kneissl, Juraj Hlavaty, Antonio Caputi, Julia Brynza, Irene C. Schneider et al. "Specific gene transfer to neurons, endothelial cells and hematopoietic progenitors with lentiviral vectors."*Nature methods* 7, no. 11 (2010): 929-935.
Times Cited: 60

14) Pasapera, Ana M., Ian C. Schneider, Erin Rericha, David D. Schlaepfer, and Clare M. Waterman. "Myosin II activity regulates vinculin recruitment to focal adhesions through FAK-mediated paxillin phosphorylation." *The Journal of cell biology* 188, no. 6 (2010): 877-890.
Times Cited: 136

15) Gardel, Margaret L., Ian C. Schneider, Yvonne Aratyn-Schaus, and Clare M. Waterman." *Annual Review and Developmental Biolog* 26 (2010): 315-333.
Times Cited: 177

List of Journal:

1) PHYSICAL BIOLOGY
2) FASEB JOURNAL
3) BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS
4) CELLULAR AND MOLECULAR BIOENGINEERING
5) VIRUS RESEARCH
6) BLOOD
7) INTEGRATIVE BIOLOGY
8) COLLOIDS AND SURFACES B-BIOINTERFACES
9) BMC BIOPHYSICS
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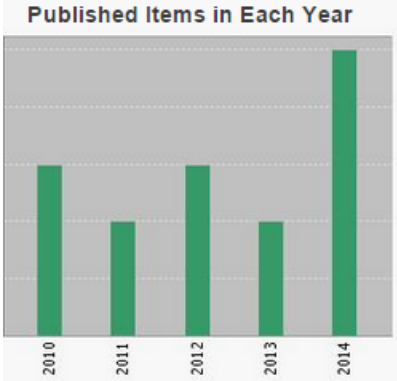
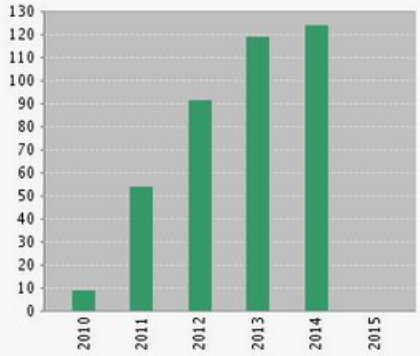
11) NATURE METHODS
12) JOURNAL OF CELL BIOLOGY

13) ANNUAL REVIEW OF CELL AND DEVELOPMENTAL BIOLOGY, VOL 26





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Average Citations per Item [?] : 26.53
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	3	2	3	2	5	15	3.00
Citations	10	54	92	119	124	398	66.33

Title: Assistant Professor

Name: Zengyi Shao

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 8

Number of times cited: 106

H-index: 5

List of Publications:

1) Xiao, Han, Zengyi Shao, Yu Jiang, Sudhanshu Dole, and Huimin Zhao. "Exploiting Issatchenkia orientalis SD108 for suYearinic acid production."*Microbial cell factories* 13, no. 1 (2014): 121.

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2) Luo, Yunzi, Hua Huang, Jing Liang, Meng Wang, Lu Lu, Zengyi Shao, Ryan E. Cobb, and Huimin Zhao. "Activation and characterization of a cryptic polycyclic tetramate macrolactam biosynthetic gene cluster." *Nature communications* 4 (2013).

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3) Shao, Zengyi, Guodong Rao, Chun Li, Zhanar Abil, Yunzi Luo, and Huimin Zhao. "Refactoring the silent spectinabilin gene cluster using a plug-and-play scaffold." *ACS Synthetic Biology* 2, no. 11 (2013): 662-669.

Times Cited: 4

4) Sun, Jie, Zengyi Shao, Hua Zhao, Nikhil Nair, Fei Wen, Jian-He Xu, and Huimin Zhao. "Cloning and characterization of a panel of constitutive promoters for applications in pathway engineering in SaYearharomyces cerevisiae." *Biotechnology and bioengineering* 109, no. 8 (2012): 2082-2092.

Times Cited: 16

5) Shao, Zengyi, and Huimin Zhao. "**DNA Assembler: A Synthetic Biology Tool for Characterizing and Engineering Natural Product Gene Clusters.**" ***Natural Product Biosynthesis by Microorganisms and Plants, PT C*** **517 (2012): 203-224.**

Times Cited: 5

6) Du, Jing, Zengyi Shao, and Huimin Zhao. "Engineering microbial factories for synthesis of value-added products." *Journal of industrial microbiology & biotechnology* 38, no. 8 (2011): 873-890.

Times Cited: 41

7) Shao, Zengyi, Yunzi Luo, and Huimin Zhao. "Rapid characterization and engineering of natural product biosynthetic pathways via DNA assembler."*Molecular BioSystems* 7, no. 4 (2011): 1056-1059.

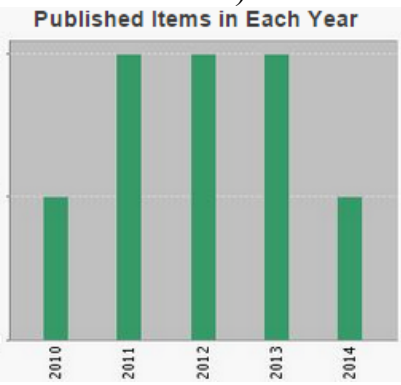
Times Cited: 27

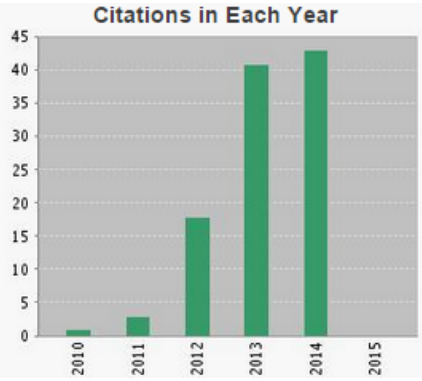
8) SeongáChoi, Yoo. "Cloning and heterologous expression of the spectinabilin biosynthetic gene cluster from Streptomyces spectabilis."*Molecular BioSystems* 6, no. 2 (2010): 336-338.

Times Cited: 8

List of Journals:

1) MICROBIAL CELL FACTORIES
2) NATURE COMMUNICATIONS
3) ACS SYNTHETIC BIOLOGY
4) BIOTECHNOLOGY AND BIOENGINEERING
5) NATURAL PRODUCT BIOSYNTHESIS BY MICROORGANISMS AND PLANTS, PT C
6) JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY
7) MOLECULAR BIOSYSTEMS





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Average Citations per Item [?] : 13.25
h-index [?] : 5

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	1	2	2	2	1	8	1.60
Citations	1	3	18	41	43	106	17.67

Title: Assistant Professor

Name: Jean-Philippe Tessonnier

Web of Science Author Identifier: A-1444-2010

Number of publications 2010-2014: 22

Number of times cited: 370

H-index: 11

List of Publications:

1) Liu, Chi, Jack M. Carraher, Jordan L. Swedberg, Caitlyn R. Herndon, Chelsea N. Fleitman, and Jean-Philippe Tessonnier. "Selective Base-Catalyzed Isomerization of Glucose to Fructose." *ACS Catalysis* 4, no. 12 (2014): 4295-4298.
Times Cited: 0

2) Matthiesen, John, Thomas Hoff, Chi Liu, Charles Pueschel, Radhika Rao, and Jean-Philippe Tessonnier. "Functional carbons and carbon nanohybrids for the catalytic conversion of biomass to renewable chemicals in the condensed phase." *催化学报 [Chinese Journal of Catalysis]* (2014): 0-0.
Times Cited: 1

3) Marichy, Catherine, Patricia A. Russo, Mariangela Latino, Jean-Philippe Tessonnier, Marc-Georg Willinger, Nicola Donato, Giovanni Neri, and Nicola Pinna. "Tin Dioxide–Carbon Heterostructures Applied to Gas Sensing: Structure-Dependent Properties and General Sensing Mechanism." *The Journal of Physical Chemistry C* 117, no. 38 (2013): 19729-19739.
Times Cited: 1

4) da Silva, Thiago Crispim, Evandro Brum Pereira, Rafael Pereira dos Santos, Benoit Louis, Jean-Philippe Tessonnier, and Marcelo Maciel Pereira. "Synthesis and characterization of vanadium species coated on alumina, magnesium oxide and hydrotalcite supports to SOx removal."*Applied Catalysis A: General* 462 (2013): 46-55.
Times Cited: 1

5) Tessonnier, Jean-Philippe, Stephanie Goubert-Renaudin, Shaun Alia, Yushan Yan, and Mark A. Barteau. "Structure, Stability, and Electronic Interactions of Polyoxometalates on Functionalized Graphene Sheets."*Langmuir* 29, no. 1 (2012): 393-402.
Times Cited: 10

6) Mette, Katharina, Arno Bergmann, Jean-Philippe Tessonnier, Michael Hävecker, Lide Yao, Thorsten Ressler, Robert Schlögl, Peter Strasser, and Malte Behrens. "Nanostructured manganese oxide supported on carbon nanotubes for electrocatalytic water splitting." *ChemCatChem* 4, no. 6 (2012): 851-862.
Times Cited: 27

7) Berasid, Multi-berdinding Mengabungkan Kumpulan, Ali Rinaldi, Sylvia Reiche, and M. G. Kutty. "Chemically modified multi-walled carbon nanotubes (MWCNTs) with anchored acidic groups." *Sains Malaysiana* 41, no. 5 (2012): 603-609.

Times Cited: 1

8) Tessonnier, Jean-Philippe, and Mark A. Barteau. "Dispersion of alkyl-chain-functionalized reduced graphene oxide sheets in nonpolar solvents."*Langmuir* 28, no. 16 (2012): 6691-6697.
Times Cited: 12

9) Marichy, Catherine, Jean-Philippe Tessonnier, Marta C. Ferro, Kyeong-Hwan Lee, Robert Schlögl, Nicola Pinna, and Marc-Georg Willinger. "Labeling and monitoring the distribution of anchoring sites on functionalized CNTs by atomic layer deposition." *Journal of Materials Chemistry* 22, no. 15 (2012): 7323-7330.
Times Cited: 11

10) Arrigo, Rosa, Manfred E. Schuster, Sabine Wrabetz, Frank Girgsdies, Jean-Philippe Tessonnier, Gabriele Centi, Siglinda Perathoner, Dang Sheng Su, and Robert Schlögl. "New Insights from Microcalorimetry on the FeOx/CNT-Based Electrocatalysts Active in the Conversion of CO2 to Fuels."*ChemSusChem* 5, no. 3 (2012): 577-586.
Times Cited: 8

11) Becker, Michael J., Wei Xia, Jean-Philippe Tessonnier, Raoul Blume, Lide Yao, Robert Schlögl, and Martin Muhler. "Optimizing the synthesis of cobalt-based catalysts for the selective growth of multiwalled carbon nanotubes under industrially relevant conditions." *Carbon* 49, no. 15 (2011): 5253-5264.
Times Cited: 15

12) Sahin, Serap, Päivi Mäki-Arvela, Jean-Philippe Tessonnier, Alberto Villa, Sylvia Reiche, Sabine Wrabetz, Dangsheng Su, Robert Schlögl, Tapio Salmi, and Dmitry Yu Murzin. "Palladium catalysts supported on N-functionalized hollow vapor-grown carbon nanofibers: The effect of the basic support and catalyst reduction temperature." *Applied Catalysis A: General*408, no. 1 (2011): 137-147.
Times Cited: 16

13) Rinaldi, Ali, Jean-Philippe Tessonnier, Manfred E. Schuster, Raoul Blume, Frank Girgsdies, Qiang Zhang, Timo Jacob, Sharifah Bee Abd Hamid, Dang Sheng Su, and Robert Schlögl. "Dissolved carbon controls the initial stages of nanocarbon growth." *Angewandte Chemie International Edition* 50, no. 14 (2011): 3313-3317.
Times Cited: 45

14) Tessonnier, Jean-Philippe, and Dang Sheng Su. "Recent progress on the growth mechanism of carbon nanotubes: a review." *ChemSusChem* 4, no. 7 (2011): 824-847.
Times Cited: 96

15) Ocampo, F., J. A. Cunha, M. R. de Lima Santos, J. P. Tessonnier, M. M. Pereira, and B. Louis. "Synthesis of zeolite crystals with unusual morphology: Application in acid catalysis." *Applied Catalysis A: General* 390, no. 1 (2010): 102-109.
Times Cited: 9

16) Tessonnier, Jean-Philippe, Michael Becker, Wei Xia, Frank Girgsdies, Raoul Blume, Lide Yao, Dang Sheng Su, Martin Muhler, and Robert Schlögl. "Spinel-Type Cobalt–Manganese-Based Mixed Oxide as Sacrificial Catalyst for the High-Yield Production of Homogeneous Carbon Nanotubes."*ChemCatChem* 2, no. 12 (2010): 1559-1561.
Times Cited: 18

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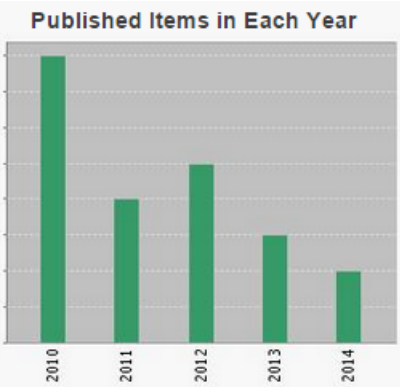
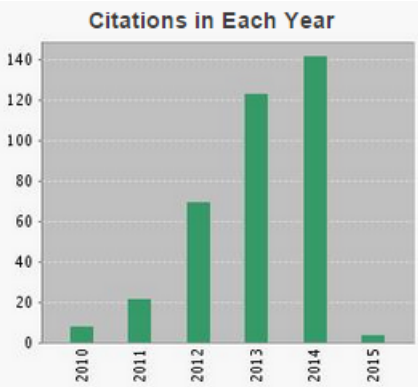
Times Cited: 19

List of Journals:

1) ACS CATALYSIS
2) CHINESE JOURNAL OF CATALYSIS
3) JOURNAL OF PHYSICAL CHEMISTRY C
4) APPLIED CATALYSIS A-GENERAL
5) LANGMUIR
6) CHEMCATCHEM
7) SAINS MALAYSIANA
8) JOURNAL OF MATERIALS CHEMISTRY
9) CHEMSUSCHEM
10) CARBON
11) APPLIED CATALYSIS A-GENERAL
12) ANGEWANDTE CHEMIE-INTERNATIONAL EDITION
13) CHEMICAL ENGINEERING JOURNAL
14) JOURNAL OF CATALYSIS
15) CATALYSIS TODAY





Results found:	22
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Citing Articles without self-citations [?] :	307
Average Citations per Item [?] :	16.82
h-index [?] :	11

Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	8	4	5	3	2	22	4.40
Citations	12	22	70	124	142	370	61.67

Title: Assistant Professor

Name: Yue Wu

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 18

Number of times cited: 65

H-index: 5

List of Publications:

1) Wu, Y. U. E., Hong-bo Qin, Min-bo Zhou, M. A. Xiao, and Xin-ping Zhang. "Electromigration induced microstructure evolution and damage in asymmetric Cu/Sn-58Bi/Cu solder interconnect under current stressing."*Transactions of Nonferrous Metals Society of China* 24, no. 5 (2014): 1619-1628.

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3) Yue, Wu. "Prevention of browning of depolymerized chitosan obtained by gamma irradiation." *Carbohydrate polymers* 101 (2014): 857-863.

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4) Song, Dayong, Wu Yue, Zhiqiang Li, Jianhua Li, Jun Zhao, and Ning Zhang. "Study of the mechanism of sonodynamic therapy in a rat glioma model."*OncoTargets and therapy* 7 (2014): 1801.

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5) Li, Yong, Hongwei Wang, Jianhua Li, and Wu Yue. "MiR-181c modulates the proliferation, migration, and invasion of neuroblastoma cells by targeting Smad7." *Acta biochimica et biophysica Sinica* (2013): gmt124.

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6) Cheng, Hong-Bin, Wu Yue, Chen Xie, Ru-You Zhang, Shao-Shan Hu, and Zhi Wang. "IDH1 mutation is associated with improved overall survival in patients with glioblastoma: a meta-analysis." *Tumor Biology* 34, no. 6 (2013): 3555-3559.

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7) Wang, Sen, Hongbin Cheng, Guanghui Dai, Xiaodong Wang, Rongrong Hua, Xuebin Liu, Peishen Wang, Guangming Chen, Wu Yue, and Yihua An. "Umbilical cord mesenchymal stem cell transplantation significantly improves neurological function in patients with sequelae of traumatic brain injury." *Brain research* 1532 (2013): 76-84.

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10) Wu, Yue. "Preparation of low-molecular-weight hyaluronic acid by ozone treatment." *Carbohydrate polymers* 89, no. 2 (2012): 709-712.
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12) Chen, Zhiqiang, Jianhua Li, Xueming Song, Zhi Wang, and Wu Yue. "Use of a novel sonosensitizer in sonodynamic therapy of U251 glioma cells in vitro." *Experimental and therapeutic medicine* 3, no. 2 (2012): 273-278.
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13) Zhan, Qi, Wu Yue, and Shaoshan Hu. "Effect of photodynamic therapy and endostatin on human glioma xenografts in nude mice." *Photodiagnosis and photodynamic therapy* 8, no. 4 (2011): 314-320.
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14) Li, Jian-Hua, Wu Yue, Zheng Huang, Zhi-Qiang Chen, Qi Zhan, Fu-Bin Ren, Jing-Ye Liu, and Song-Bin Fu. "Calcium overload induces C6 rat glioma cell apoptosis in sonodynamic therapy." *International journal of radiation biology*87, no. 10 (2011): 1061-1066.
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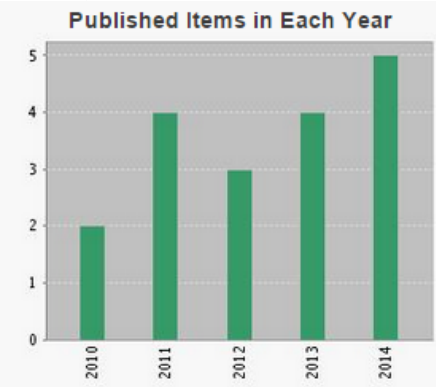
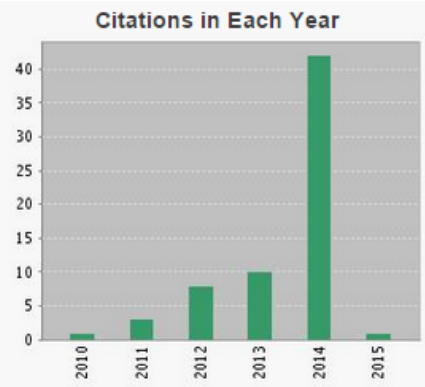
17) Li, Shi-Qian, Pei-Jiang Zhou, Ping-Jia Yao, Yuan-An Wei, Yun-Hua Zhang, and Wu Yue. "Preparation of O-carboxymethyl-N-trimethyl chitosan chloride and floYearulation of the wastewater in sugar refinery." *Journal of applied polymer science* 116, no. 5 (2010): 2742-2748.
Times Cited: 9

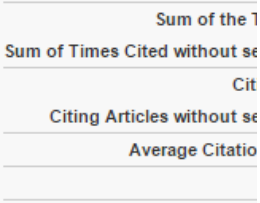
18) Wang, Hongwei, Shuai Wang, Liqin Shen, Yuanyuan Chen, Xiaotian Zhang, Jundong Zhou, Zhi Wang, Chengyi Hu, Wu Yue, and Huibo Wang. "Chk2 down-regulation by promoter hypermethylation in human bulk gliomas." *Life sciences* 86, no. 5 (2010): 185-191.

List of Journals:

1) TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA
2) BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS
3) CARBOHYDRATE POLYMERS
4) ONCOTARGETS AND THERAPY
5) ACTA BIOCHIMICA ET BIOPHYSICA SINICA
6) TUMOR BIOLOGY
7) BRAIN RESEARCH
8) ONCOLOGY LETTERS
9) ASIAN PACIFIC JOURNAL OF CANCER PREVENTION
10) CARBOHYDRATE POLYMERS
11) ACTA METALLURGICA SINICA
12) EXPERIMENTAL AND THERAPEUTIC MEDICINE
13) PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY
14) INTERNATIONAL JOURNAL OF RADIATION BIOLOGY
15) JOURNAL OF CLINICAL NEUROSCIENCE
16) BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH
17) JOURNAL OF APPLIED POLYMER SCIENCE
18) LIFE SCIENCES







Year	2010	2011	2012	2013	2014	Total	Average Per year
Publications	2	4	3	4	5	18	3.60
Citations	2	3	8	10	42	65	10.83

Title: Anson Marston Distinguished Professor Emeritu

Name: Peter J. Reilly

Web of Science Author Identifier: N/A

Number of publications 2010-2014: 13

Number of times cited: 145

H-index: 6

List of Publications:

1) Cantu, David C., Albert Ardèvol, Carme Rovira, and Peter J. Reilly. "Molecular Mechanism of a Hotdog-Fold Acyl-CoA Thioesterase." *Chemistry-A European Journal* (2014).
Times Cited: 1

2) Warner, Christopher D., Gulden Camci-Unal, Nicola LB Pohl, Clark Ford, and Peter J. Reilly. "Substrate binding by the catalytic domain and carbohydrate binding module of RuminocoYearus flavefaciens FD-1 xyloglucanase/endoglucanase." *Industrial & Engineering Chemistry Research* 52, no. 1 (2012): 30-36.
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3) Cantu, David C., Tingsong Dai, Zachary S. Beversdorf, and Peter J. Reilly. "Structural classification and properties of ketoacyl reductases, hydroxyacyl dehydratases and enoyl reductases." *Protein Engineering Design and Selection* (2012): gzs050.
Times Cited: 2

4) Chen, Yingfei, Armando Elizondo-Noriega, David C. Cantu, and Peter J. Reilly. "Structural classification of biotin carboxyl carrier proteins."*Biotechnology letters* 34, no. 10 (2012): 1869-1875.
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5) Cantu, David C., Michael J. Forrester, Katherine Charov, and Peter J. Reilly. "Acyl carrier protein structural classification and normal mode analysis."*Protein Science* 21, no. 5 (2012): 655-666.
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6) Chen, Yingfei, Erin E. Kelly, Ryan P. Masluk, Charles L. Nelson, David C. Cantu, and Peter J. Reilly. "Structural classification and properties of ketoacyl synthases." *Protein Science* 20, no. 10 (2011): 1659-1667.
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10) Barker, Ian J., Luis Petersen, and Peter J. Reilly. "Mechanism of xylobiose hydrolysis by GH43 β-xylosidase." *The Journal of Physical Chemistry B* 114, no. 46 (2010): 15389-15393.
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11) Cantu, David C., Yingfei Chen, and Peter J. Reilly. "Thioesterases: a new perspective based on their primary and tertiary structures." *Protein Science*19, no. 7 (2010): 1281-1295.
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12) Petersen, Luis, Albert Ardèvol, Carme Rovira, and Peter J. Reilly. "Molecular mechanism of the glycosylation step catalyzed by Golgi α-mannosidase II: a QM/MM metadynamics investigation." *Journal of the American Chemical Society* 132, no. 24 (2010): 8291-8300.
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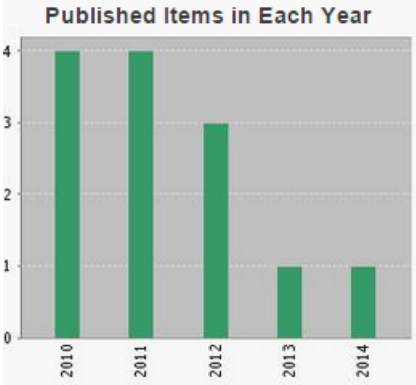
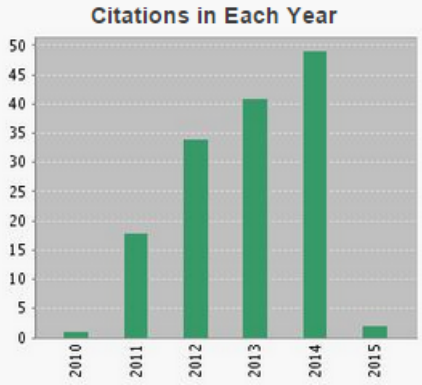
13) Warner, Christopher D., Julie A. Hoy, Taran C. Shilling, Michael J. Linnen, Nathaniel D. Ginder, Clark F. Ford, Richard B. Honzatko, and Peter J. Reilly. "Tertiary structure and characterization of a glycoside hydrolase family 44 endoglucanase from Clostridium acetobutylicum." *Applied and environmental microbiology* 76, no. 1 (2010): 338-346.
Times Cited: 7

List of Journals:

1) CHEMISTRY-A EUROPEAN JOURNAL
2) INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
3) PROTEIN ENGINEERING DESIGN & SELECTION
4) BIOTECHNOLOGY LETTERS
5) PROTEIN SCIENCE
6) BMC BIOCHEMISTRY
7) ENZYME AND MICROBIAL TECHNOLOGY
8) NUCLEIC ACIDS RESEARCH
9) JOURNAL OF PHYSICAL CHEMISTRY B
10) JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
11) APPLIED AND ENVIRONMENTAL MICROBIOLOGY





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h-index [?] : 6

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Publications	4	4	3	1	1	13	2.60
Citations	3	18	34	41	49	145	24.17