

PUBLICATIONS BY YEAR			CONN CENTER STAFF & ASSOCIATED FACULTY			2010	4.166	2907		24	7	1	6	32
#	CODE	AUTHORS	TITLE	JOURNAL	IMPACT FACTOR	CITATIONS - 1/2022	YEAR	ASSOC FAC PUB	CONN STAFF-DRIVEN PUB	CENTER FACULTY COLLAB	FACULTY W/CENTER CONTRIB	TOTAL PUBS		
1	ABD	Abdelmotti, Lina G.; Zamborini, Francis P.	Potential-Controlled Electrochemical Seed-Mediated Growth of Gold Nanorods Directly on Electrode Surfaces	Langmuir	4.467	48	2010	1				1		
2	AEB	Aebersold J, Julia; Walsh, Kevin; Beggans, Michael	Utilization of Direct Write Lithography to Develop Ultra High Aspect Ratio (> 100:1) DRIE Silicon Pillars	2010 18th Biennial University/Government/Industry Micro-Nano Symposium	N/A	2	2010		1	1		1		
3	ASL	Aslan, Mustafa M.; Webster, Nathan A.; Byard, Courtney L.; Pereira, Marcelo B.; Hayes, Colin M.; Wiederkehr, Rodrigo S.; Mendes, Sergio B.	Low-loss optical waveguides for the near ultra-violet and visible spectral regions with Al <sub>2</sub> O <sub>3</sub> thin films from atomic layer deposition	Thin Solid Films	2.247	80	2010	1				1		
4	BEE	Beeram, Srinivas R.; Zamborini, Francis P.	Purification of Gold Nanoplates Grown Directly on Surfaces for Enhanced Localized Surface Plasmon Resonance Biosensing	Acs Nano	9.865	90	2010	1				1		
5	BOY	Boyoglu, Seyhan; Vig, Komal; Pfendt, Adam; Pillai, Shreekumar; Willing, Gerold A.; Singh, Shree R.	Analysis of Gold Nanoparticles Effect on RSV Using AFM	Biophysical Journal	4.344	1	2010	1				1		
6	CAR	Carroll, Susan; Baldwin, Richard P.	Self-Calibrating Microfabricated Iridium Oxide pH Electrode Array for Remote Monitoring	Analytical Chemistry	5.874	46	2010	1				1		
7	CHE	Chen, Z. B., T. F. Jaramillo, T. G. Deutsch, A. Kleiman-Shwarscstein, A. J. Forman, N. Gaillard, R. Garland, et al.	Accelerating Materials Development for Photoelectrochemical Hydrogen Production: Standards for Methods, Definitions, and Reporting Protocols.	Journal of Materials Research 25, no. 1 (Jan 2010): 3-16	1.395	1023	2010			1		1		
8	DES	Desai, S. C., A. H. Willitsford, G. U. Sumanasekera, M. Yu, W. Q. Tian, C. S. Jayanthi, and S. Y. Wu	Hypergolic Fuel Detection Using Individual Single Walled Carbon Nanotube Networks	Journal of Applied Physics 107, no. 11 (Jun 1 2010)	3.82	22	2010	1				1		
9	DES	Deshmane, C. A., J. B. Jasinski, and M. A. Carreon	Microwave-Assisted Synthesis of Nanocrystalline Mesoporous Gallium Oxide.	Microporous and Mesoporous Materials 130, no. 1-3 (May 2010): 97-102	3.22	39	2010	1				1		
10	DES	Deshmane, C. A., J. B. Jasinski, P. Ratnasamy, and M. A. Carreon	Synthesis and Catalytic Properties of Mesoporous, Bifunctional, Gallium-Niobium Mixed Oxides	Chemical Communications 46, no. 34 (2010): 6347-49	5.787	7	2010	1				1		
11	DRU	Druffel, T., M. Lattis, M. Spencer, and O. Buazza	Elastic Behaviour of a Nanocomposite Thin Film Undergoing Significant Strains	Nanotechnology 21, no. 10 (Mar 12 2010)	3.871	5	2010			1		1		
12	DUN	Dunaway, Kyle W.; Dasari, Rajesh K.; Bennett, Nicholas G.; Berson, R. Eric	Characterization of changes in viscosity and insoluble solids content during enzymatic saccharification of pretreated corn stover slurries	Bioresource Technology	4.365	48	2010	1				1		
13	GOW	Gowrishetty, Usha R.; Walsh, Kevin M.; Berfield, Thomas A.	Fabrication of polyimide bi-stable diaphragms using oxide compressive stresses for the field of 'Buckle MEMS'	Journal of Micromechanics and Microengineering	2.276	18	2010	1				1		
14	GOW	Gowrishetty, Usha R.; Walsh, Kevin M.; Jackson, Doug	No-power Vacuum Actuated Bi-stable MEMS SPDT Switch	2010 IEEE Sensors	1.971	5	2010	1				1		
15	HAR	Hardas, Sarita S.; Butterfield, David Allan; Sultana, Ruksana; Tseng, Michael T.; Dan, Mo; Florence, Rebecca L.; Unrine, Jason M.; Graham, Uschi M.; Wu, Peng; Grulke, Eric A.; Yokel, Robert A.	Brain Distribution and Toxicological Evaluation of a Systemically Delivered Engineered Nanoscale Ceria	Toxicological Sciences	5.189	121	2010	1				1		
16	IVA	Ivanova, Olga S.; Zamborini, Francis P.	Size-Dependent Electrochemical Oxidation of Silver Nanoparticles	Journal of the American Chemical Society	9.023	319	2010	1				1		
17	MCK	McKenna, Curt; Walsh, Kevin; Crain, Mark; Lake, Joseph	Maskless Direct Write Grayscale Lithography for MEMS Applications	2010 18th Biennial University/Government/Industry Micro-Nano Symposium	N/A	29	2010	1				1		
18	MED	Meduri, P., J. H. Kim, H. B. Russell, J. Jasinski, G. U. Sumanasekera, and M. K. Sunkara	Thin-Walled Carbon Microtubes as High-Capacity and High-Rate Anodes in Lithium-Ion Batteries.	Journal of Physical Chemistry C 114, no. 23 (Jun 17 2010): 10621-27	4.52	28	2010			1		1		
19	NAG	Nagisetty, Raja M.; Rockaway, Thomas D.; Willing, Gerold A.	Aqueous Chloramine Diffusion into Elastomers	Journal of Applied Polymer Science	1.24	4	2010	1				1		
20	OKA	Okail, Hussein O.; Shing, P. Benson; Klingner, Richard E.; McGinley, William M.	Performance of clay masonry veneer in wood-stud walls subjected to out-of-plane seismic loads	Earthquake Engineering & Structural Dynamics	2.222	17	2010	1				1		

OSB 21	Osborne, Gary M.; Prater, Glen, Jr.	Finite element concept modelling methodologies for pickup truck boxes	International Journal of Heavy Vehicle Systems	0.617	15	2010	1	1
OST 22	Ostrikov, K., I. Levchenko, U. Cvelbar, M. Sunkara, and M. Mozetic	From Nucleation to Nanowires: A Single-Step Process in Reactive Plasmas.	<i>Nanoscale</i> 2, no. 10 (2010): 2012-27	5.914	124	2010		1
PEN 23	Pendyala, C., S. Vaddiraju, J. H. Kim, J. Jacinski, Z. Q. Chen, and M. K. Sunkara	Self-Nucleation and Growth of Group III-Antimonide Nanowires	<i>Semiconductor Science and Technology</i> 25, no. 2 (Feb 2010)	1.323	22	2010	1	1
PHA 24	Pharas, Kunal; McNamara, Shamus	Bi-Directional Gas Pump Driven by a Thermoelectric Material	Mems 2010: 23rd IEEE International Conference on Micro Electro Mechanical Systems, Technical Digest	N/A	6	2010	1	1
PHA 25	Pharas, Kunal; McNamara, Shamus	Knudsen pump driven by a thermoelectric material	<i>Journal of Micromechanics and Microengineering</i>	2.276	51	2010	1	1
PRA 26	Prater, Glen, Jr.; Shahhosseini, Ali M.; Osborne, Gary M.; Zhang, Shengyong	Simulation studies for determining the response characteristics of a hydraulic hybrid powertrain subframe	International Journal of Heavy Vehicle Systems	0.617	2	2010	1	1
ROB 27	Robinson, Brian S.; Albanese, Michael V.; Chmielewski, Nick; Brehob, Ellen G.; Sharp, M. Keith	Heat Pipe Augmented Solar Heating System	Es2010: Proceedings of ASME 4th International Conference on Energy Sustainability, Vol 2	N/A	4	2010	1	1
SID 28	Sidorov, A. N., T. Bansal, P. J. Ouseph, and G. Sumanasekera	Graphene Nanoribbons Exfoliated from Graphite Surface Dislocation Bands by Electrostatic Force	<i>Nanotechnology</i> 21, no. 19 (May 14 2010)	3.871	15	2010	1	1
SUM 29	Sumanasekera, G. U., G. Chen, K. Takai, J. Joly, N. Kobayashi, T. Enoki, and P. C. Eklund	Charge Transfer and Weak Chemisorption of Oxygen Molecules in Nanoporous Carbon Consisting of a Disordered Network of Nanographene Sheets	<i>Journal of Physics-Condensed Matter</i> 22, no. 33 (Aug 25 2010)	2.332	34	2010	1	1
VEN 30	Venna, S. R., J. B. Jasinski, and M. A. Carreon	Structural Evolution of Zeolitic Imidazolate Framework-8.	<i>Journal of the American Chemical Society</i> 132, no. 51 (Dec 29 2010): 18030-33	9.023	524	2010	1	1
WAL 31	Walsh, Kevin M.; Gowrishetty, Usha R.	No-Power Mems Devices Using Buckled Diaphragms and Engineered Stress	2010 18th Biennial University/Government/Industry Micro-Nano Symposium	N/A	2	2010	1	1
WAN 32	Wang, W. B., J. Jasinski, G. B. Hammond, and B. Xu	Fluorine-Enabled Cationic Gold Catalysis: Functionalized Hydration of Alkynes	<i>Angewandte Chemie-International Edition</i> 49, no. 40 (2010): 7247-52	12.73	156	2010	1	1