

PUBLICATIONS BY YEAR			CONN CENTER STAFF & ASSOCIATED FACULTY		2012	4,565	2768		32	12	4	11	50
#	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	ADU	Kofi W. Adu, Martin D. Williams, Molly Reber, Ruwantha Jayasingha, Humberto R. Gutierrez, and Gamin U. Sumanasekera	Probing Phonons in Nonpolar Semiconducting Nanowires with Raman Spectroscopy	Journal of Nanotechnology, Volume 2012, Article ID 264198, 18 pages	0.141	18	2012			1		1	
2	ALB	Albanese, Michael V.; Robinson, Brian S.; Brehob, Ellen G.; Sharp, M. Keith	Simulated and experimental performance of a heat pipe assisted solar wall	Solar Energy	3.906	65	2012	1				1	
3	ALP	B. W. Alphenaar, T. Bansal, A. D. Mohite, H. M. Shah, C. Galande, A. Srivastava, J. B. Jasinski, P. M. Ajayan	Experimental Determination of the Electronic Density of States for Graphene Oxide	ECS Trans. 2012 45(3): 31-39	0.241	4	2012	1			1	1	
4	BAN	Bansal, Tanesh; Mohite, Aditya D.; Shah, Hemant M.; Galande, Charudatta; Srivastava, Anchal; Jasinski, Jacek B.; Ajayan, Pulickel M.; Alphenaar, Bruce W.	New insights into the density of states of graphene oxide using capacitive photocurrent spectroscopy	Carbon	6.927	38	2012	1			1	1	
5	BER	Berry, S. M., S. Pabba, R. W. Cohn, and R. S. Keynton	Direct-Write Drawing of Carbon Nanotube/Polymer Composite Microfibers	Journal of Nanomaterials	1.349	5	2012	1				1	
6	BER	Berry, S. M., T. J. Roussel, S. D. Cambron, R. W. Cohn, and R. S. Keynton	Fabrication of Suspended Electrokinetic Microchannels from Directly Written Sacrificial Polymer Fibers	Microfluidics and Nanofluidics 13, no. 3 (Sep 2012): 451-59	3.218	8	2012	1				1	
7	BRO	Broering, Timothy M.; Lian, Yong-Sheng	The effect of phase angle and wing spacing on tandem flapping wings	Acta Mechanica Sinica	1.33	83	2012	1				1	
8	BRO	Broering, Timothy M.; Lian, Yongsheng; Henshaw, William	Numerical Investigation of Energy Extraction in a Tandem Flapping Wing Configuration	Aiaa Journal	2.389	75	2012	1				1	
9	BYA	Byard, Courtney L.; Han, Xue; Mendes, Sergio B.	Angle-Multiplexed Waveguide Resonance of High Sensitivity and Its Application to Nanosecond Dynamics of Molecular Assemblies	Analytical Chemistry	6.223	8	2012	1				1	
10	CHE	Chernomordik, B. D., H. B. Russell, U. Cvelbar, J. B. Jasinski, V. Kumar, T. Deutsch, and M. K. Sunkara	Photoelectrochemical Activity of as-Grown, Alpha-Fe2O3 Nanowire Array Electrodes for Water Splitting	Nanotechnology 23, no. 19 (May 17 2012)	4.134	109	2012			1		1	
11	CUI	Cui, Jinlan; Mashuta, Mark S.; Grapperhaus, Craig A.; Buchanan, Robert M.	Synthesis, structure, and solution properties of bio-inspired iron complexes with functionalized imidazole donors	Abstracts of Papers of the American Chemical Society	11.486		2012	1				1	
12	CVE	Cvelbar, U., Z. Q. Chen, I. Levchenko, R. M. Sheetz, J. B. Jasinski, M. Menon, M. K. Sunkara, and K. Ostrikov	Sub-Oxide-to-Metallic, Uniformly-Nanoporous Crystalline Nanowires by Plasma Oxidation and Electron Reduction	Chemical Communications 48, no. 90 (2012): 11070-72	6.767	14	2012			1		1	
13	GUN	Nanda Gunawardhana, Gum-Jae Park, Arjun Kumar Thapa, Nikolay Dimov, Manickam Sasidharan, Hiro Yoshi Nakamura, Masaki Yoshio	Performances of a Graphite (KS-6)/MoO3 Energy Storing System	Journal of Power Sources, 203, 257-261	5.505	26	2012				1	1	
14	HAN	Han, Xue; Mendes, Sergio B.	Spectroscopic studies on ultra-thin films of indium tin oxide under electro-chemical modulation	Physical Chemistry of Interfaces and Nanomaterials Xi	5.141	2	2012	1				1	
15	HAR	Hardas, Sarita S.; Sultana, Rukhsana; Warriar, Govind; Dan, Mo; Florence, Rebecca L.; Wu, Peng; Grulke, Eric A.; Tseng, Michael T.; Unrine, Jason M.; Graham, Uschi M.; Yokel, Robert A.; Butterfield, D. Allan	Rat brain pro-oxidant effects of peripherally administered 5 nm ceria 30 days after exposure	Neurotoxicology	2.652	56	2012	1				1	
16	HOR	Hord, Kyle; Lian, Yongsheng	Numerical Investigation of the Aerodynamic and Structural Characteristics of a Corrugated Airfoil	Journal of Aircraft	1.775	39	2012	1				1	
17	IBA	Ibanez, Francisco J.; Zamborini, Francis P.	Chemiresistive Sensing with Chemically Modified Metal and Alloy Nanoparticles	Small	8.45	131	2012	1				1	
18	IDA	Shintaro Ida, Arjun Kumar Thapa, Yuiko Hidaka, Hidehisa Hagiwara	Manganese Oxide with a Card-house Structure Reassembled from Nanosheets for Rechargeable Li-air Batteries	Journal of Power Sources, 203, 159-164	5.505	74	2012				1	1	
19	ISH	Tatsumi Ishihara, Arjun Kumar Thapa, Yuiko Hidaka, Shintaro Ida	Mesoporous Co2O4 modified with Pd as air electrode for rechargeable lithium-air battery	Electrochemistry, 80 (2012) 731-733	3.777	18	2012				1	1	
20	JOS	Joseph, George; Foreman, J. Chris; McIntyre, Michael L.	A Variable Duty Cycle Maximum Power Point Tracking Algorithm for Wind Energy Conversion Systems	2012 IEEE Power Electronics and Machines in Wind Applications (Pema)	N/A	8	2012	1				1	

21	LAP	LaPierre, R., and M. Sunkara	Nanowires for Energy	<i>Nanotechnology</i> 23, no. 19 (May 17 2012)	4.134	10	2012	1	1
22	LES	Lesiv, Rostyslav; Prater, Glen; Osborne, Gary; Lamb, David; Castanier, Matthew	Derivation of Rigid Body Analysis Models from Vehicle Architecture Abstractions	Proceedings of the Asme International Mechanical Engineering Congress and Exposition, 2011, Vol 9	N/A	1	2012	1	1
23	MAC	Macias, E. E., P. Ratnasamy, and M. A. Carreon	Catalytic Activity of Metal Organic Framework Cu-3(Btc)(2) in the Cycloaddition of Co2 to Epichlorohydrin Reaction	<i>Catalysis Today</i> 198, no. 1 (Dec 30 2012): 215-18	3.333	88	2012	1	1
24	MAN	Manadan, Anvin Joe; McIntyre, Michael L.; Dawson, Darren M.	Backstepping Controlled Rectifier for Maximum Power Point Tracking in Photovoltaic Arrays	2012 IEEE 34th International Telecommunications Energy Conference (Intelec)	0.81	2	2012	1	1
25	MAS	Masitas, R. A., and F. P. Zamborini	Oxidation of Highly Unstable < 4 Nm Diameter Gold Nanoparticles 850 Mv Negative of the Bulk Oxidation Potential	<i>Journal of the American Chemical Society</i> 134, no. 11 (Mar 21 2012): 5014-17	10.677	81	2012	1	1
26	MED	Meduri, P., E. Clark, J. H. Kim, E. Dayalan, G. U. Sumanasekera, and M. K. Sunkara	Moo3-X Nanowire Arrays as Stable and High-Capacity Anodes for Lithium Ion Batteries	<i>Nano Letters</i> 12, no. 4 (Apr 2012): 1784-88	14.3	281	2012	1	1
27	MIL	Miles, Stephanie D.; McNamara, Shamus; Pharas, Kunal	Ten Stage Knudsen Gas Pump	Proceedings of the Asme 10th International Conference on Nanochannels, Microchannels and Minichannels 2012	N/A	3	2012	1	1
28	MIR	Miralda, C. M., E. E. Macias, M. Q. Zhu, P. Ratnasamy, and M. A. Carreon	Zeolitic Imidazole Framework-8 Catalysts in the Conversion of Co2 to Chloropropene Carbonate	<i>Acs Catalysis</i> 2, no. 1 (Jan 2012): 180-83	5.265	376	2012	1	1
29	MOR	Moreno, M., L. N. Kissell, J. B. Jasinski, and F. P. Zamborini	Selectivity and Reactivity of Alkylamine- and Alkanethiolate-Stabilized Pd and PdAg Nanoparticles for Hydrogenation and Isomerization of Allyl Alcohol	<i>Acs Catalysis</i> 2, no. 12 (Dec 2012): 2602-13	5.265	53	2012	1	1
30	OSB	Osborne, Gary; Prater, Glen; Lesiv, Rostyslav; Lamb, David; Castanier, Matthew	An Interactive Design Space Supporting Development of Vehicle Architecture Concept Models	Proceedings of the Asme International Mechanical Engineering Congress and Exposition, 2011, Vol 9	N/A	2	2012	1	1
31	PEN	Pendyala, C., J. B. Jasinski, J. H. Kim, V. K. Vendra, S. Lisenkov, M. Menon, and M. K. Sunkara	Nanowires as Semi-Rigid Substrates for Growth of Thick, Inxga1-Xn (X > 0.4) Epi-Layers without Phase Segregation for Photoelectrochemical Water Splitting	<i>Nanoscale</i> 4, no. 20 (2012): 6269-75	6.233	27	2012	1	1
32	PET	Petzold, F. G., J. Jasinski, E. L. Clark, J. H. Kim, J. Absher, H. Toufar, and M. K. Sunkara	Nickel Supported on Zinc Oxide Nanowires as Advanced Hydrodesulfurization Catalysts	<i>Catalysis Today</i> 198, no. 1 (Dec 30 2012): 219-27	3.333	40	2012	1	1
33	RED	Reddy, G. K., S. J. Kim, J. H. Dong, P. G. Smirniotis, and J. B. Jasinski	Long-Term Wgs Stability of Fe/Ce and Fe/Ce/Cr Catalysts at High and Low Steam to Co Ratios-Xps and Mossbauer Spectroscopic Study	<i>Applied Catalysis a-General</i> 415 (Feb 16 2012): 101-10	3.85	35	2012	1	1
34	ROB	Robinson, Brian S.; Sharp, M. Keith	A Reconfigurable Passive Solar Test Facility	Proceedings of the Asme 6th International Conference on Energy Sustainability - 2012, Pts a and B	N/A	1	2012	1	1
35	ROB	Robinson, Brian S.; Sharp, M. Keith	Reducing Unwanted Gains during the Cooling Season from a Heat Pipe Augmented Passive Solar Heating System	Proceedings of the Asme 6th International Conference on Energy Sustainability - 2012, Pts a and B	N/A	2	2012	1	1
36	ROB	Robinson, Brian S.; Sharp, M. Keith	Space Cooling Potentials for Ambient Energy Sources across the Us	Proceedings of the Asme 5th International Conference on Energy Sustainability 2011, Pts a-C	N/A	1	2012	1	1
37	SID	Anton N. Sidorov, Kurt Gaskill, Marco Buongiorno Nardelli, Joseph L. Tedesco, Rachel L. Myers-Ward, Charles R. Eddy Jr., Thushari Jayasekera, Ki Wook Kim, Ruwantha Jayasingha, Andriy Sherehiy, Robert Stallard, and Gamini U. Sumanasekera	Charge Transfer Equilibria in Ambient-Exposed Epitaxial Graphene on (000(1)over-Bar) 6 H-Sic	<i>Journal of Applied Physics</i> 111, no. 11 (Jun 1 2012)	2.454	42	2012	1	1
38	SID	Sidorov, A. N., G. W. Slawinski, A. H. Jayatissa, F. P. Zamborini, and G. U. Sumanasekera	A Surface-Enhanced Raman Spectroscopy Study of Thin Graphene Sheets Functionalized with Gold and Silver Nanostructures by Seed-Mediated Growth	<i>Carbon</i> 50, no. 2 (Feb 2012): 699-705	6.927	97	2012	1	1
39	THA	Thapa, A. K., T. H. Shin, S. Ida, G. U. Sumanasekera, M. K. Sunkara, and T. Ishihara	Gold-Palladium Nanoparticles Supported by Mesoporous Beta-Mno2 Air Electrode for Rechargeable Li-Air Battery	<i>Journal of Power Sources</i> 220 (Dec 15 2012): 211-16	5.505	63	2012	1	1
40	TSE	Tseng, Michael T.; Lu, Xiaojin; Duan, Xiaoxian; Hardas, Santa S.; Sultana, Rukhsana; Wu, Peng; Unrine, Jason M.; Graham, Uschi; Butterfield, D. Allan; Grulke, Eric A.; Yokel, Robert A.	Alteration of hepatic structure and oxidative stress induced by intravenous nanoceria	<i>Toxicology and Applied Pharmacology</i>	3.975	95	2012	1	1
41	TSY	Tsyusko, Olga V.; Unrine, Jason M.; Spurgeon, David; Blalock, Eric; Starnes, Daniel; Tseng, Michael; Joice, Greg; Bertsch, Paul M.	Toxicogenomic Responses of the Model Organism Caenorhabditis elegans to Gold Nanoparticles	<i>Environmental Science & Technology</i>	5.861	111	2012	1	1
42	VEN	Vendra, Venkat Kalyan; Absher, Jason; Ellis, Samuel R.; Amos, Delaina A.; Druffel, Thad; Sunkara, Mahendra K.	Photoanode Area Dependent Efficiency and Recombination Effects in Dye-Sensitized Solar Cells	<i>Journal of the Electrochemical Society</i>	3.777	10	2012	1	1
43	WU	Wu, L., J. Jasinski, and S. Krishnan	Carboxybetaine, Sulfobetaine, and Cationic Block Copolymer Coatings: A Comparison of the Surface Properties and Antibiofouling Behavior	<i>Journal of Applied Polymer Science</i> 124, no. 3 (May 5 2012): 2154-70	1.395	68	2012	1	1
44	YE	Ye, Zhuoliang; Hatfield, Kristen M.; Berson, R. Eric	Deactivation of individual cellulase components	<i>Bioresource Technology</i>	4.75	34	2012	1	1

45	YOK	Yokel, Robert A.; Au, Tu C.; MacPhail, Robert; Hardas, Santa S.; Butterfield, D. Allan; Sultana, Rukhsana; Goodman, Michael; Tseng, Michael T.; Dan, Mo; Haghaziar, Hamed; Unrine, Jason M.; Graham, Uschi M.; Wu, Peng; Grulke, Eric A.	Distribution, Elimination, and Biopersistence to 90 Days of a Systemically Introduced 30 nm Ceria-Engineered Nanomaterial in Rats	Toxicological Sciences	4.924	115	2012	1	1
46	ZAM	Zamborini, Francis P.; Bao, Lanlan; Dasari, Radhika	Nanoparticles in Measurement Science	Analytical Chemistry	6.223	213	2012	1	1
47	ZHA	G. Zhang, J. B. Jasinski, J. L. Howell, D. Patel, D. P. Stephens, A. M. Gobin	Tunability and Stability of Gold Nanoparticles Obtained from Chloroauric Acid and Sodium Thiosulfate Reaction	<i>Nanoscale Research Letters</i> 7 (1), 337	2.524	53	2012		1 1
48	ZHA	Zhang, G. D., X. H. Sun, J. Jasinski, D. Patel, and A. M. Gobin	Gold/Chitosan Nanocomposites with Specific near Infrared Absorption for Photothermal Therapy Applications	<i>Journal of Nanomaterials</i>	1.349	40	2012		1 1
49	ZHA	Zhang, Muheng; Lian, Yongsheng; Harnett, Cindy; Brehob, Ellen	Investigation of Hydrodynamic Focusing in a Microfluidic Coulter Counter Device	<i>Journal of Biomechanical Engineering-Transactions of the Asme</i>	2.017	8	2012	1	1
50	ZHU	Zhu, M. Q., J. B. Jasinski, and M. A. Carreon	Growth of Zeolitic Imidazolate Framework-8 Crystals from the Solid-Liquid Interface	<i>Journal of Materials Chemistry</i> 22, no. 16 (2012): 7684-86	6.491	35	2012	1	1 1