

Conn Center for Renewable Energy Research  
 Impact Report 2010 - 2020  
 PUBLICATIONS BY YEAR: 2011  
 CONN CENTER STAFF and ASSOCIATED  
 FACULTY

AM Rev. 6/2022

PUBLICATIONS BY YEAR			CONN CENTER STAFF & ASSOCIATED FACULTY		2011	4.422	1826		17	12	1	3	29
#	CODE	AUTHORS	TITLE	JOURNAL	IMPACT FACTOR	CITATIONS - 1/2022	YEAR	ASSOC FAC PUB	CONN STAFF-DRIVEN PUB	CENTER FACULTY COLLAB	FACULTY IW CENTER CONTRIB	TOTAL PUBS	
1	BIS	Biswas, Souvik; Gordon, Laura E.; Clark, Geoffrey J.; Nantz, Michael H.	Click assembly of magnetic nanovectors for gene delivery	Biomaterials	8.516	22	2011	1				1	
2	BRO	Brockway, L., C. Pendyala, J. Jasinski, M. K. Sunkara, and S. Vaddiraju	A Postsynthesis Decomposition Strategy for Group Iii-Nitride Quantum Wires	<i>Crystal Growth &amp; Design</i> 11, no. 10 (Oct 2011): 4559-64	4.72	15	2011		1			1	
3	CHE	Chen, Z. B., D. Cummins, B. N. Reinecke, E. Clark, M. K. Sunkara, and T. F. Jaramillo	Core-Shell Moo3-Mos2 Nanowires for Hydrogen Evolution: A Functional Design for Electrocatalytic Materials	<i>Nano Letters</i> 11, no. 10 (Oct 2011): 4168-75	14.535	1080	2011		1			1	
4	DAS	Dasari, Rajesh K.; Berson, R. Eric	Validation of Solids Suspension Viscosity Measurements Using Computational Fluid Dynamics	Chemical Engineering & Technology	1.598	2	2011	1				1	
5	DES	Deshmane, C. A., J. B. Jasinski, P. Ratnasamy, and M. A. Carreon	Epoxidation of Cyclooctene over Mesoporous Ga, Ga-Nb, and Ga-Mo Oxide Catalysts	<i>Catalysis Communications</i> 15, no. 1 (Nov 15 2011): 46-51	2.986	13	2011	1			1	1	
6	DUM	Dumpala, S., J. B. Jasinski, G. U. Sumanasekera, and M. K. Sunkara	Large Area Synthesis of Conical Carbon Nanotube Arrays on Graphite and Tungsten Foil Substrates	<i>Carbon</i> 49, no. 8 (Jul 2011): 2725-34	6.618	17	2011		1			1	
7	FAU	Faul, Andre; Turner, Matthew; Naber, John	Implantable Wireless Microsystems for the Measurement of Intraocular Pressure	2011 IEEE 54th International Midwest Symposium on Circuits and Systems (Mwscas)	N/A	9	2011	1			1	1	
8	FU	Fu, Xiao-An; Dunning, Jeremy L.; Mehregany, Mehran; Zorman, Christian A.	Low Stress Polycrystalline SiC Thin Films Suitable for MEMS Applications	Journal of the Electrochemical Society	2.59	20	2011	1				1	
9	FU	Fu, Xiao-An; Okino, Kenji; Mehregany, Mehran	Thermal oxidation of silicon carbide: A comparison of n-type and p-type doped epitaxial layers	Applied Physics Letters	3.844	8	2011	1				1	
10	HAR	Harnett, Cindy K.; Schueler, Matthew T.; Blumenthal, Nick R.; Hopf, Kristy L.; Fox, Jimmy F.; Pulugurtha, Sruti	Calibration and Field Deployment of Low-Cost Fluid Flow-Rate Sensors Using a Wireless Network	IEEE Transactions on Instrumentation and Measurement	2.064	8	2011	1				1	
11	JAS	Jasinski, J. B.	Comment on "Understanding the Epitaxial Growth of Sextet@Te Core-Shell Nanorods and the Generation of Periodic Defects"	<i>Acs Nano</i> 5, no. 9 (Sep 2011): 6769-69	10.774	0	2011		1			1	
12	JAS	Jasinski, J. B., S. Dumpala, G. U. Sumanasekera, M. K. Sunkara, and P. J. Ouseph	Observation and Interpretation of Adjacent Moire Patterns of Different Shapes in Bilayer Graphene	<i>Applied Physics Letters</i> 99, no. 7 (Aug 15 2011)	3.844	21	2011		1			1	
13	KUL	Kulkarni, Anand Sunil; Welch, Karla Conn; Harnett, Cindy K.	A review of electricity monitoring and feedback systems	IEEE Southeastcon 2011: Building Global Engineers	0	20	2011	1				1	
14	KUM	Kumar, V., J. H. Kim, J. B. Jasinski, E. L. Clark, and M. K. Sunkara	Alkali-Assisted, Atmospheric Plasma Production of Titania Nanowire Powders and Arrays	<i>Crystal Growth &amp; Design</i> 11, no. 7 (Jul 2011): 2913-19	4.72	36	2011		1			1	
15	LAK	Lake, Joseph H.; Cambron, Scott D.; Walsh, Kevin M.; McNamara, Shamus	Maskless Grayscale Lithography Using a Positive-Tone Photodefinable Polyimide for MEMS Applications	Journal of Microelectromechanical Systems	2.912	19	2011	1				1	
16	MAC	Macias, E. E., C. A. Deshmane, J. B. Jasinski, M. A. Carreon, and P. Ratnasamy	Catalytic Transformations of Methyl Oleate and Biodiesel over Mesoporous Gallium-Niobium Oxides	<i>Catalysis Communications</i> 12, no. 7 (Mar 10 2011): 644-50	2.986	14	2011		1			1	
17	MCN	McNamara, Shamus	Development rate of PMMA exposed to synchrotron x-ray radiation for LIGA applications	Journal of Micromechanics and Microengineering	2.105	4	2011	1				1	
18	MED	Meduri, P., E. Clark, E. Dayalan, G. U. Sumanasekera, and M. K. Sunkara	Kinetically Limited De-Lithiation Behavior of Nanoscale Tin-Covered Tin Oxide Nanowires	<i>Energy &amp; Environmental Science</i> 4, no. 5 (May 2011): 1695-99	9.61	58	2011		1			1	
19	OKA	Okail, Hussein O.; Shing, P. Benson; McGinley, William M.; Klingner, Richard E.; Jo, Seongwoo; McLean, David I.	Shaking-table tests of a full-scale single-story masonry veneer wood-frame structure	Earthquake Engineering & Structural Dynamics	2.754	15	2011	1				1	
20	PAI	Pai, Rekha S.; Crain, Mark M.; Walsh, Kevin M.	Maskless shaping of gold stud bumps as high aspect ratio microstructures	Microelectronic Engineering	1.999	9	2011	1				1	

21	ROC	Rockaway, Thomas D.; Coomes, Paul A.; Rivard, Joshua; Kornstein, Barry	Residential water use trends in North America	Journal American Water Works Association	0.44	101	2011	1		1
22	SAT	Satyarthi, J. K., D. Srinivas, and P. Ratnasamy	Hydrolysis of Vegetable Oils and Fats to Fatty Acids over Solid Acid Catalysts	Applied Catalysis a-General 391, no. 1-2 (Jan 4 2011): 427-35	3.903	105	2011		1	1
23	SHE	Sheetz, R. M., E. Richter, A. N. Andriotis, S. Lisenkov, C. Pendyala, M. K. Sunkara, and M. Menon	Visible-Light Absorption and Large Band-Gap Bowing of GaN1-Xsbx from First Principles	Physical Review B 84, no. 7 (Aug 1 2011)	3.896	38	2011		1	1
24	SID	Anton N. Sidorov, Andriy Sherehiy, Ruwantha Jayasinghe, Robert Stallard, Daniel K. Benjamin, Qingkai Yu, Zhihong Liu, Wei Wu, Helin Cao, Yong P. Chen, Zhigang Jiang, and Gamini U. Sumanasekera	Thermoelectric Power of Graphene as Surface Charge Doping Indicator	Applied Physics Letters 99, no. 1 (Jul 4 2011)	3.844	20	2011		1	1
25	SLA	Slawinski, Grzegorz W.; Ivanova, Olga S.; Zamborini, Francis P.	Twin Plane Decoration of Silver Nanorods with Palladium by Galvanic Exchange at a Controlled Rate	Langmuir	4.186	6	2011	1		1
26	SUN	Sunkara, M. K., C. Pendyala, D. Cummins, P. Meduri, J. Jasinski, V. Kumar, H. B. Russell, E. L. Clark, and J. H. Kim	Inorganic Nanowires: A Perspective About Their Role in Energy Conversion and Storage Applications	Journal of Physics D-Applied Physics 44, no. 17 (May 4 2011)	2.829	18	2011		1	1
27	YE	Ye, Zhuoliang; Berson, R. Eric	Kinetic modeling of cellulose hydrolysis with first order inactivation of adsorbed cellulase	Bioresource Technology	4.98	42	2011	1		1
28	YE	Ye, Zhuoliang; Lane, Andrew N.; Willing, Gerold A.; Berson, R. Eric	Scaled-up separation of cellobiohydrolase1 from a cellulase mixture by ion-exchange chromatography	Biotechnology Progress	2.754	4	2011	1		1
29	ZHU	Zhu, M. Q., S. R. Venna, J. B. Jasinski, and M. A. Carreon	Room-Temperature Synthesis of Zif-8: The Coexistence of Zno Nanoneedles	Chemistry of Materials 23, no. 16 (Aug 23 2011): 3590-92	7.797	102	2011	1		1