

University of Louisville

Conn Center for Renewable Energy Research

Impact Reporting: Publications 2014

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2014		PUBLICATIONS BY YEAR	CONN CENTER STAFF & ASSOCIATED FACULTY		5.620	1686	52	23	75	5.03	864	6.89	822
#	INDEX	AUTHORS	TITLE	JOURNAL	IMPACT FACTOR (IF)	CITATIONS (CIT)	ASSOC FAC (AF) PUB	CONN STAFF (CS)-DRIVEN PUB	TOTAL PUBS	IF AF	CIT AF	IF CS	CIT CS
1	AHM	M. Ahmadi, E. Macias, J. Jasinski, P. Ratnasamy, M. Carreon	Decarboxylation and further transformation of oleic acid over bifunctional, Pt/SAPO-11 and Pt/chloride Al ₂ O ₃ catalysts	<i>Journal of Molecular Catalysis A: Chemical</i> , 386, 14-19 (2014)	5.008	92	1		1				
2	AND	Andriotis, A. N., G. Mpourmpakis, S. Broderick, K. Rajan, S. Datta, M. Sunkara, and M. Menon	Informatics Guided Discovery of Surface Structure-Chemistry Relationships in Catalytic Nanoparticles	<i>Journal of Chemical Physics</i> 140, no. 9 (Mar 7 2014)	4.4	42		1	1				
3	ANT	Antimisiasis, Marika F.; Running, Mark P.	Turning moss into algae: Prenylation targets in <i>Physcomitrella patens</i>	<i>Plant Signaling & Behavior</i>	2.9	6	1		1				
4	BAT	Bates, Alex; Mukerjee, Santanu; Lee, Sang C.; Lee, Dong-Ha; Park, Sam	An analytical study of a lead-acid flow battery as an energy storage system	<i>Journal of Power Sources</i>	9.2	28	1		1				
5	BRO	Brockway, L., V. Vasiraju, M. K. Sunkara, and S. Vaddiraju	Engineering Efficient Thermoelectrics from Large-Scale Assemblies of Doped Zn Nanowires: Nanoscale Effects and Resonant-Level Scattering	<i>Acs Applied Materials & Interfaces</i> 6, no. 17 (Sep 10 2014): 14923-30	9.5	24		1	1				
6	CAR	M. L. Carreon, J. B. Jasinski, M. K. Sunkara	Low temperature synthesis of silicon nanowire arrays	<i>Mater. Res. Express</i> 1, 045006 (2014)	2.3	9		1	1				
7	CHA	Chauhan, Rajat; Moreno, Monica; Banda, Douglas M.; Zamborini, Francis P.; Grapperhaus, Craig A.	Chemiresistive metal-stabilized thiyl radical films as highly selective ethylene sensors	<i>Rsc Advances</i>	3.9	14	1		1				
8	CHE	Chen, Jubin; Thapa, Arjun K.; Berfield, Thomas A.	In-situ characterization of strain in lithium battery working electrodes	<i>Journal of Power Sources</i>	9.2	52	1		1				
9	CHH	Chhantyal-Pun, Rabi; Roudjane, Mourad; Melnik, Dmitry G.; Miller, Terry A.; Liu, Jinjun	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Isopropoxy Radical: Vibronic Analysis of (B)over-tilde-(X)over-tilde and (B)over-tilde-(A)over-tilde Band Systems	<i>Journal of Physical Chemistry A</i>	2.9	16	1		1				
10	DAL	Dalfovo, M. C., G. I. Lacconi, M. Moreno, M. C. Yappert, G. U. Sumanasekera, R. C. Salvarezza, and F. J. Ibanez	Synergy between Graphene and Au Nanoparticles (Heterojunction) Towards Quenching, Improving Raman Signal, and Uv Light Sensing	<i>Acs Applied Materials & Interfaces</i> 6, no. 9 (May 14 2014): 6384-91	9.5	36		1	1				
11	DEY	P. Dey, J. Bible, S. Datta, S. Broderick, J. Jasinski, M. Sunkara, M. Menon and K. Rajan	Informatics-aided bandgap engineering for solar materials	<i>Computational Materials Science</i> 83, 185-195 (2014)	3.3	149		1	1				
12	DHA	Dharmadasa, I., P. Bingham, O. Echendu, H. Salim, T. Druffel, R. Dharmadasa, G. Sumanasekera, R. Dharmasena, M. Dergacheva, K. Mit, K. Urazov, L. Bowen, M. Walls and A. Abbas	Fabrication of CdS/CdTe-Based Thin Film Solar Cells Using an Electrochemical Technique	<i>Coatings</i> 2014, 4(3), 380-415	3.4	92		1	1				
13	DHA	Dharmadasa, R., B. Lavery, I. M. Dharmadasa and T. Druffel	Intense pulsed light treatment of cadmium telluride nanoparticle-based thin films	<i>ACS Applied Materials & Interfaces</i> 6(7): 5034-5040. DOI: 10.1021/am500124t	9.5	45		1	1				
14	DHA	Dharmadasa, R., I. M. Dharmadasa and T. Druffel	Intense Pulsed Light Sintering of Electrodeposited CdS Thin Films	<i>Advanced Engineering Materials</i> 16(11): 1351-1361. DOI: Doi 10.1002/Adem.201400008	3.6	31		1	1				
15	FAI	Faiz, Abderrazzak; McNamara, Shamus	Mathematical model of a nanoporous thermoelectric based Knudsen pump	<i>Journal of Vacuum Science & Technology A</i>	2.9	1	1		1				
16	FAI	Faiz, Abderrazzak; McNamara, Shamus; Bell, Alexander D.; Sumanasekera, Gamini	Nanoporous Bi ₂ Te ₃ thermoelectric based Knudsen gas pump	<i>Journal of Micromechanics and Microengineering</i>	2.3	9	1		1				
17	FAN	Fan, X. M., B. C. King, J. Loomis, E. M. Campo, J. Hegseth, R. W. Cohn, E. Terentjev, and B. Panchapakesan	Nanotube Liquid Crystal Elastomers: Photomechanical Response and Flexible Energy Conversion of Layered Polymer Composites	<i>Nanotechnology</i> 25, no. 35 (Sep 5 2014)	3.5	15	1		1				
18	FER	Fernando, Kasun; Pandit, Bill; Liu, Jinjun; Alphenaar, Bruce W.	Charge transfer in rare earth oxide hybrid solar cells	<i>Chemical Physics Letters</i>	2.8	5	1		1				
19	FON	Fonseca, D. A., R. Lupitskyy, D. Timmons, M. Gupta, and J. Satyavolu	Towards Integrated Biorefinery from Dried Distillers Grains: Selective Extraction of Pentoses Using Dilute Acid Hydrolysis	<i>Biomass & Bioenergy</i> 71 (Dec 2014): 178-86	6	29		1	1				

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20	FU	Fu, Xiao-An; Trevino, Jacob; Mehregany, Mehran; Zorman, Christian A.	Doped polycrystalline 3C-SiC films with low stress for MEMS: part I. Deposition conditions and film properties	Journal of Micromechanics and Microengineering	2.3	2	1		1
21	GHO	Ghorbanian, Mahyar; Lupitskyy, Robert M.; Satyavolu, Jagannadh V.; Berson, R. Eric	Impact of Hydraulic Retention Time at Constant Organic Loading Rate in a Two- Stage Expanded Granular Sludge Bed Reactor	Environmental Engineering Science	1.8	18	1		1
22	GHO	Ghorbanian, Mahyar; Lupitskyy, Robert M.; Satyavolu, Jagannadh V.; Berson, R. Eric	Impact of Supplemental Hydrogen on Biogas Enhancement and Substrate Removal Efficiency in a Two-Stage Expanded Granular Sludge Bed Reactor	Environmental Engineering Science	1.8	22	1		1
23	GHO	Ghorbanian, Mahyar; Russ, David C.; Berson, R. Eric	Mixing analysis of PCS slurries in a horizontal scraped surface bioreactor	Bioprocess and Biosystems Engineering	3.8	14	1		1
24	GRA	Graham, Uschi M.; Tseng, Michael T.; Jasinski, Jacek B.; Yokel, Robert A.; Urline, Jason M.; Davis, Burtron H.; Dozier, Alan K.; Hardas, Sarita S.; Sultana, Rukhsana; Grukke, Eric A.; Butterfield, D. Allan	In Vivo Processing of Ceria Nanoparticles inside Liver: Impact on Free-Radical Scavenging Activity and Oxidative Stress	Chempluschem	3.4	105	1		1
25	GRA	Grapperhaus, Craig A.; Zamborini, Francis P.; Chauhan, Rajat; Moreno, Monica	Chemiresistive metal-stabilized thiyl radical films as highly selective ethylene sensors	Abstracts of Papers of the American Chemical Society	15	14	1		1
26	GUN	Nanda Gunawardhana, Gumjae Park, Nikolay Dimov, Hongyu Wang, Manickam Sasidharan, Arjun Kumar Thapa, Hiroyoshi Nakamura, Masaki Yoshio	Effects of Mass Balance Ratio and Cut-off Voltages on the Performance of Graphite (KS-6/TiO ₂) Energy Storing System	<i>International Journal of Electrochemical Science</i> , 9 (2014)195-205	1.5	11		1	1
27	GUP	S. Gupta, E. Heintzman, J. Jasinski	Secondary Electron Intensity Contrast Imaging and Friction Properties of Micromechanically Cleaved Graphene Layers on Insulating Substrates	<i>Journal of Electronic Materials</i> 43 (9), 3458-3469 (2014)	2.1	24		1	1
28	HAN	Han, Xue; Mendes, Sergio B.	Optical Impedance Spectroscopy with Single-Mode Electro-Active-Integrated Optical Waveguides	Analytical Chemistry	7.4	17	1		1
29	HON	Hong, X. T., M. Y. Mo, X. H. Wu, G. Willing, K. S. Hui, and K. N. Hui	An Effective Zeta Potential Fitting Model for Sphere-Plate Interaction Force in Nanoparticle Suspensions	<i>Nanotechnology</i> 25, no. 35 (Sep 5 2014)	2.2	6	1		1
30	HOP	Hopkins, F. Kenneth; Benken, Alexander; Walsh, Kevin M.; Jones, John; Averett, Kent	Germanium Devices for Integrated Photonic Circuits	Nanophotonics and Macro Photonics for Space Environments VIII		0	1		1
31	HOR	Hord, Kyle; Lian, Yongsheng	Leading Edge Vortex Development on a Pitch-up Airfoil	Proceedings of the Asme Fluids Engineering Division Summer Meeting, 2013, Vol 1b: Symposia		0	1		1
32	JAY	R. Jayasinghe, A. K. Thapa, R. R. Dharmasena, T. Q. Nguyen, B. K. Pradhan, H. S. Paudel, J. B. Jasinski, A. Sherehiy, M. Yoshio, G. U. Sumanasekera	Optimization of Multi-Walled Carbon Nanotube based CFx electrodes for improved primary and secondary battery performances	<i>Journal of Power Sources</i> , 253, 404-411 (2014)	9.2	63		1	1
33	KHA	Khadgi, Prajwal; Bai, Lihui; Evans, Gerald	Using Agent Based Simulation and Model Predictive Control to Study Energy Consumption Behavior under Dynamic Pricing	Proceedings of the 2014 Winter Simulation Conference (Wsc)		0	1		1
34	KHO	Khodarahmi, Iman; Shakeri, Mostafa; Kotys-Traugher, Melanie; Fischer, Stefan; Sharp, M. Keith; Amini, Amir A.	In Vitro Validation of Flow Measurement With Phase Contrast MRI at 3 Tesla Using Stereoscopic Particle Image Velocimetry and Stereoscopic Particle Image Velocimetry-Based Computational Fluid Dynamics	Journal of Magnetic Resonance Imaging	4.4	19	1		1
35	KIM	Joogon Kim, Hyun-Youl Chung, Alex Bates, Sobi Thomas, Byungrak Son, Sam Park, and Dong-Ha Lee	Design and Development of 600 W Proton Exchange Membrane Fuel Cell	Journal of the Korean Solar Energy Society, Vol. 34, No. 4, pp. 17-22	0.3	0	1		1
36	KRA	M. Krajewski, M. Michalska, B. Hamankiewicz, D. Ziolkowska, K.P. Korona, J. B. Jasinski, M. Kaminska, L. Lipinska, A. Czerwinski	Li ₄ Ti ₅ O ₁₂ modified with Ag nanoparticles as an advanced anode material in lithium-ion batteries	<i>Journal of Power Sources</i> 245, 764-771 (2014)	9.2	102		1	1
37	KUM	Kumar, Davinder; Nguyen, Tho N.; Grapperhaus, Craig A.	Kinetic Effects of Sulfur Oxidation on Catalytic Nitrile Hydration: Nitrile Hydratase Insights from Bioinspired Ruthenium(II) Complexes	Inorganic Chemistry	4.6	15	1		1
38	KUM	Kumar, Davinder; Nguyen, Tho N.; Grapperhaus, Craig A.	Mechanistic insights into the catalytic nitrile hydration mechanism using bioinspired mimics: Implications to nitrile hydratase	Abstracts of Papers of the American Chemical Society	15	0	1		1
39	KUM	M. Kumar, J. Jasinski, G. Hammond, B. Xu	Alkyne/Alkene/Allene-Induced Disproportionation of Cationic Gold(I) Catalyst	<i>Chemistry - A European Journal</i> , 20, 3113-3119 (2014).	4.3	81	1		1
40	LEE	Lee, Sang C.; Kwon, Osung; Thomas, Sobi; Park, Sam; Choi, Gyeong-Ho	Graphical and mathematical analysis of fuel cell/battery passive hybridization with K factors	Applied Energy	11.2	14	1		1

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41	LI	Li, Guibo; Lian, Yongsheng; Mersch, Matt; Omalley, Chris; Hofmann, Adam	Liquid-Gas Two-Phase Flow Simulation for Flat Fan Nozzles	Asme Fluids Engineering Division Summer Meeting - 2014, Vol 1c: Symposia		0	1		1
42	LI	Li, Guibo; Lian, Yongsheng; Sussman, Mark	Simulations of Gas-Liquid Two-Phase Jet Flows Using the Moment of Fluid Method	Proceedings of the Asme Fluids Engineering Division Summer Meeting, 2013, Vol 1c: Symposia		0	1		1
43	LIA	S Liang, J Jasinski, GB Hammond, B Xu	Supported Gold Nanoparticle-Catalyzed Hydration of Alkynes under Basic Conditions	<i>Organic letters</i> 17, 162-165 (2014)	5.2	77	1		1
44	LIN	Lin, Ji-Tzuoh; Lee, Barclay; Alphenaar, Bruce W.	Acceleration Threshold Reduction for Nonlinear Energy Harvesting	International Journal of Structural Stability and Dynamics	3.6	0	1		1
45	LIU	Liu, Jinjun; Miller, Terry A.	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Cyclohexoxy: Rotational and Fine Structure of Molecules in Nearly Degenerate Electronic States	Journal of Physical Chemistry A	2.9	18	1		1
46	LUC	Lucas, Thomas M.; James, Kurtis T.; Beharic, Jasmin; Moiseeva, Evgeniya V.; Keynton, Robert S.; O'Toole, Martin G.; Harnett, Cindy K.	Wavelength specific excitation of gold nanoparticle thin-films	Applied Physics Letters	4	7	1		1
47	LUP	R. Lupitsky, V. K. Vendra, J. Jasinski, D. A. Amos, M. K. Sunkara, T. Druffel	Toward high-efficiency dye-sensitized solar cells with a photoanode fabricated via a simple water-based formulation	<i>Progress in Photovoltaics</i> (2014); DOI: 10.1002/pip.2502	6.7	5		1	1
48	MA	Ma, D. H., R. Jayasingha, D. T. Hess, K. W. Adu, G. U. Sumanasekera, and M. Terrones	Enhancing the Superconducting Temperature of MgB ₂ by Swcnt Dilution	<i>Physica C-Superconductivity and Its Applications</i> 497 (Feb 2014): 43-48	1.7	5		1	1
49	MAR	Marei, Mohamed M.; Roussel, Thomas J.; Keynton, Robert S.; Baldwin, Richard P.	Electrochemical Dissolved Oxygen Removal from Microfluidic Streams for LOC Sample Pretreatment	Analytical Chemistry	7.4	2	1		1
50	MAS	Masitas, Rafael A.; Khachian, Irina V.; Bill, Bryan L.; Zamborini, Francis P.	Effect of Surface Charge and Electrode Material on the Size-Dependent Oxidation of Surface-Attached Metal Nanoparticles	Langmuir	3.9	36	1		1
51	MOH	Mohebbi, Mohammad; McIntyre, Michael L.; Naber, John F.; Hickman, Robert	13.8 kV Five Level ANPC Inverter for Wind Power	2014 IEEE Energy Conversion Congress and Exposition (Ecce)			1		1
52	NAG	Nagisetty, Raja M.; Rockaway, Thomas D.; Willing, Gerold A.	Drinking water quality concerns from chloramine-induced degradation of elastomeric compounds	Journal American Water Works Association	0.805	0	1		1
53	NGU	T. Q. Nguyen, A. K. Thapa, V. K. Vendra, J. B. Jasinski, G. U. Sumanasekera, M. K. Sunkara	High Rate Capacity Retention of Binder-free, Tin Oxide Nanowire Arrays Using Thin Titania and Alumina Coatings	<i>RSC Adv.</i> , 2014, 4, 3312-3317	3.9	12		1	1
54	POR	Porter, Daniel A.; Berfield, Thomas A.	A bi-stable buckled energy harvesting device actuated via torque arms	Smart Materials and Structures	4.1	15	1		1
55	PRA	Prater, Russell; Lian, Yongsheng	Detached Eddy Simulation of High Pressure Diesel Injectors	Asme Fluids Engineering Division Summer Meeting - 2014, Vol 1c: Symposia		0	1		1
56	PRZ	R. Przenioslo, I. Sosnowska, M. Stękiel, D. Wardecki, A. Fitch, J. B. Jasiński	Monoclinic deformation of the crystal lattice of hematite α -Fe ₂ O ₃	<i>Physica B: Condensed Matter</i> , 449, 72–76 (2014).	2.8	17		1	1
57	ROB	Robinson, Brian S.; Sharp, M. Keith	Comparative Performance of Two Prototypes of a Passive Solar Heat Pipe System	Proceedings of the Asme 8th International Conference on Energy Sustainability, 2014, Vol 2		0	1		1
58	ROB	Robinson, Brian S.; Sharp, M. Keith	Effect of Thermal Storage on the Cooling Capacity of Ambient Sources	Proceedings of the Asme 8th International Conference on Energy Sustainability, 2014, Vol 2		0	1		1
59	ROB	Robinson, Brian S.; Sharp, M. Keith	Heating season performance improvements for a solar heat pipe system	Solar Energy	6.7	15	1		1
60	SHA	Shakeri, Mostafa; Soltanzadeh, Maryam; Berson, R. Eric; Sharp, M. Keith	Comparison of Energy Storage Methods for Solar Electric Production	Proceedings of the Asme 8th International Conference on Energy Sustainability, 2014, Vol 1		0	1		1
61	SHE	A. Sherehiy, S. Dumpala, M. K. Sunkara, J. B. Jasinski, R. W. Cohn, G. U. Sumanasekera	Thermionic emission from phosphorus (P) doped diamond nanocrystals supported by conical carbon nanotubes and ultraviolet photoelectron spectroscopy study of P-doped diamond films	<i>Diamond & Related Materials</i> 50 (2014) 66–76	4.1	9		1	1

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62	SHU	Shuvra, Pranoy Deb; McNamara, Shamus	The strain capacitor: A novel energy storage device	Aip Advances	1.6	2	1		1
63	STE	Stewart, Robert L.; Fox, James F.; Harnett, Cindy K.	Estimating Suspended Sediment Concentration in Streams by Diffuse Light Attenuation	Journal of Hydraulic Engineering	2.4	2	1		1
64	SUN	S. Sunkara, V. K.Vendra, J. Jasinski, T. Deutsch, A. N. Andriotis, K. Rajan, M. Menon, and M. Sunkara	New Visible Light Absorbing Materials for Solar Fuels, GaSb ₂ N _{1-x}	Adv. Mater., 26, 2878–2882 (2014)	29.4	34		1	1
65	THA	A. K. Thapa, B. B. Pandit, H. S. Paudel, R. Thapa, S. Ida, J. B. Jasinski, G. U. Sumanasekera, T. Ishihara	Polythiophene Mesoporous Birnessite-MnO ₂ /Pd Cathode Air Electrode for Rechargeable Li-Air Battery	Electrochimica Acta, 127, 410-415 (2014).	6.6	35		1	1
66	THA	Arjun Kumar Thapa, Bill Pandit, Rajesh Thapa, Tulashi Luitel, Hem Sharma Paudel, Nanda Gunawardhana, Mahendra K. Sunkara, Gamiini U. Sumanasekera, Tatsumi Ishihara, Masaki Yoshio	Synthesis of mesoporous birnessite MnO ₂ as a cathode electrode for Lithium battery	Electrochimica Acta 116 (2014)188-193	6.6	43		1	1
67	THO	Thomas, Sobi; Lee, Sang C.; Sahu, A. K.; Park, Sam	Online health monitoring of a fuel cell using total harmonic distortion analysis	International Journal of Hydrogen Energy	7.2	22	1		1
68	VEN	Vendra, Venkat Kalyan; Tu Quang, Nguyen; Druffel, Thad; Jasinski, Jacek B.; Amos, Delaina A.; Sunkara, Mahendra K.	Nanowire architectures for iodide free dye-sensitized solar cells	Journal of Materials Chemistry A	11.9	4		1	1
69	XIA	Xiao, J. Z.; Huang, Y. J.; Sun, Z. H.	Seismic Behavior of Recycled Aggregate Concrete Filled Steel and Glass Fiber Reinforced Plastic Tube Columns	Advances in Structural Engineering	2.6	51	1		1
70	YE	Ye, Zhuoliang; Berson, R. Eric	Factors affecting cellulose hydrolysis based on inactivation of adsorbed enzymes	Bioresource Technology	11.4	34	1		1
71	YE	Ye, Zhuoliang; Hatfield, Kristen M.; Berson, R. Eric	Relative extents of activity loss between enzyme-substrate interactions and combined environmental mechanisms	Bioresource Technology	11.4	5	1		1
72	ZHA	Zhang, Chaolei; Lian, Yongsheng	Conjugate heat transfer analysis using a simplified household refrigerator model	International Journal of Refrigeration-Revue Internationale Du Froid	3.9	13	1		1
73	ZHA	Zhang, Chaolei; Lian, Yongsheng	Numerical Investigation of Heat Transfer and Flow Field in Domestic Refrigerators	Proceedings of the Asme Fluids Engineering Division Summer Meeting, 2013, Vol 1a: Symposia		0	1		1
74	ZHA	Zhang, Chaolei; Lian, Yongsheng; Kempiak, Michael; Hitzelberger, Erik; Crane, Scott	Experimental and Numerical Investigation of a Domestic Refrigerator	Proceedings of the Asme Fluids Engineering Division Summer Meeting - 2014, Vol 1a: Symposia		0	1		1
75	ZHA	Zhang, Muheng; Lian, Yongsheng	Numerical Investigation of the Coulter Principle in a Microfluidic Device	Proceedings of the Asme Fluids Engineering Division Summer Meeting, 2013, Vol 2: Fora		0	1		1

PERSONNEL 2014		ASSOCIATED FACULTY	DEPARTMENT, COLLEGE	44
	Alexander, Suraj		Industrial Engineering, JB Speed School of Engineering	1
	Alphenaar, Bruce		Electrical & Computer Engineering, JB Speed School of Engineering	1
	Amos, Delaina		Chemical Engineering, JB Speed School of Engineering	1
	Bai, Lihui		Industrial Engineering, JB Speed School of Engineering	1
	Baldwin, Richard		Chemistry, College of Arts & Sciences	1
	Berfield, Thomas		Mechanical Engineering, JB Speed School of Engineering	1
	Berson, Eric		Chemical Engineering, JB Speed School of Engineering	1
	Buchanan, Robert		Chemistry, College of Arts & Sciences	1
	Burns, Chris		Chemistry, College of Arts & Sciences	1
	Cohn, Robert		Electrical & Computer Engineering, JB Speed School of Engineering	1
	Datta, Somnath		Bioinformatics & Biostatistics, School of Public Health & Information Sciences	1
	Elmaghraby, Adel		Computer Science & Engineering, JB Speed School of Engineering	1
	French, Mark		Civil & Environmental Engineering, JB Speed School of Engineering	1
	Frigui, Hichem		Computer Science & Engineering, JB Speed School of Engineering	1

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Fu, Xiao-An "Sean"	Chemical Engineering, JB Speed School of Engineering	1
Graham, James	Electrical & Computer Engineering, JB Speed School of Engineering	1
Grappenhuis, Craig	Chemistry, College of Arts & Sciences	1
Hammond, Gerald GB	Chemistry, College of Arts & Sciences	1
Harnett, Cindy	Electrical & Computer Engineering, JB Speed School of Engineering	1
Jayanthi, Chakram	Physics & Astronomy, College of Arts & Sciences	1
Lian, Yongsheng	Mechanical Engineering, JB Speed School of Engineering	1
Liu, Jinjun	Chemistry, College of Arts & Sciences	1
McGinley, Mark	Civil & Environmental Engineering, JB Speed School of Engineering	1
McIntyre, Michael	Electrical & Computer Engineering, JB Speed School of Engineering	1
McNamara, Shamus	Electrical & Computer Engineering, JB Speed School of Engineering	1
Mendes, Sergio	Physics & Astronomy, College of Arts & Sciences	1
Naber, John	Electrical & Computer Engineering, JB Speed School of Engineering	1
Nantz, Mike	Chemistry, College of Arts & Sciences	1
Nasraoui, Oifa	Computer Science & Engineering, JB Speed School of Engineering	1
Park, Sam	Mechanical Engineering, JB Speed School of Engineering	1
Prater, Glen	Mechanical Engineering, JB Speed School of Engineering	1
Rockaway, Thomas	Civil & Environmental Engineering, JB Speed School of Engineering	1
Rodriguez Gutierrez, Humberto	Physics & Astronomy, College of Arts & Sciences	1
Running, Mark	Biology, College of Arts & Sciences	1
Schultz, David	Biology, College of Arts & Sciences	1
Sharp, Keith	Mechanical Engineering, JB Speed School of Engineering	1
Starr, Thomas	Chemical Engineering, JB Speed School of Engineering	1
Stucker, Brent	Industrial Engineering, JB Speed School of Engineering	1
Sun, Zhihui	Civil & Environmental Engineering, JB Speed School of Engineering	1
Tseng, Michael	Anatomical Sciences & Neurobiology, School of Medicine	1
Walsh, Kevin	Electrical & Computer Engineering, JB Speed School of Engineering	1
Willing, Gerold	Chemical Engineering, JB Speed School of Engineering	1
Yang, Li	Industrial Engineering, JB Speed School of Engineering	1
Zamborini, Frank	Chemistry, College of Arts & Sciences	1

CENTER STAFF		24
Alvarez Fonseca, Dania	Postdoctoral Associate	1
Bergmeister, Suzanne	Adjunct Faculty, Entrepreneurialism, College of Business	1
Chauduri, Indira	Postdoctoral Associate	1
Dharmadasa, Ruvini	Postdoctoral Associate	1
Druffel, Thad	Sr. Research Scientist/Engineer	1
Gamboia, Herman	Outreach Project Coordinator	1
Gupta, Mayank	Postdoctoral Associate	1
He, Juan	Postdoctoral Associate	1
Hickman, Bob	Sr. Research Scientist/Engineer	1
Horta, Luiz	External Reviewer	1
Jasinski, Jacek	Sr. Research Scientist/Engineer	1
Jha, Menaka	Postdoctoral Associate	1
Krentsel, Tatiana	Research Manager	1
Kumari, Sudesh	Postdoctoral Associate	1
Luptskyy, Robert	Postdoctoral Associate	1
Marsh, Andrew	Assistant Director/Program Officer	1
Pandit, Bill	Postdoctoral Associate	1
Salazar, Eunice	Business Manager	1

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Satyavolu, Jagannadh	Sr. Research Scientist/Engineer	1
Spurgeon, Joshua	Sr. Research Scientist/Engineer	1
Sumanasekera, Gamini	Theme Leader, Physics & Astronomy, College of Arts & Sciences	1
Sunkara, Mahendra	Director, Chemical Engineering, JB Speed School of Engineering	1
Thapa, Arjun	Postdoctoral Associate	1
Tracey, Michael	Research Associate	1
VISITING SCHOLARS		3
Babu, Sarath	Research Scholar, INDIA	1
Logu, T	Visiting PhD student Scholar, INDIA	1
Nagalingam, Rajamanickam	Research Scholar, INDIA	1