

# University of Louisville

## Conn Center for Renewable Energy Research

Impact Reporting: Publications 2015

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2015		PUBLICATIONS BY YEAR	CONN CENTER STAFF & ASSOCIATED FACULTY	5.332	3422	44	27	71	4.95	2215	5.89	1207	
#	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, A. Nambo, J. B. Jasinski, P. Ratnasamy and M. A. Carreon	Decarboxylation of oleic acid over Pt catalysts supported on small-pore zeolites and hydrocalcite	<i>Catal. Sci. Technol.</i> , 2015, 5, 380-388	5	82		1	1				
2	AKH	M. Akhtar, M. Menon, M. Sunkara, G. Sumanasekera, A. Durygin, J. Jasinski	High Pressure Synthesis of Rhombohedral $\alpha$ -AgGaO <sub>2</sub> via Direct Solid State Reaction	<i>Journal of Alloys and Compounds</i> 641, 87-92	6.2	13		1	1				
3	ALA	Alam, Jahangir; Reza, Md Asmaul; Mason, Amy; Reilly, Neil J.; Liu, Jinjun	Dispersed Fluorescence Spectroscopy of Jet-Cooled 2-, 3-, and 4-Methylcyclohexoxy Radicals	<i>Journal of Physical Chemistry A</i>	2.9	8	1		1				
4	AZA	A. Azadi, S. S. Patnaik, J. B. Jasinski, S. L. Francis, Z. Lei, J. Liao, N. E. Deveneau, D.R. Ostergard	Morphologic Evaluation of Post-implanted Monofilament Polypropylene Mesh Utilizing a Novel Technique with Scanning Electron Microscopy Quantification	<i>Surgical Technology International</i> 26, 169-173	1.2	0		1	1				
5	BAT	Bates, Alex; Mukherjee, Santanu; Schuppert, Nicholas; Son, Byungrak; Kim, Joo Gon; Park, Sam	Modeling and simulation of 2D lithium-ion solid state battery	<i>International Journal of Energy Research</i>	4.6	42	1		1				
6	BEL	Belozeroova, T. S., A. G. Demenev, V. K. Henner, P. V. Kharebov, E. K. Khenner, and G.U. Sumanasekera	Use of Supercomputer for Modeling Coherent Processes in Magnetic Nano-Structures	<i>Computational Materials Science</i> 102: 228-33	3.3	3		1	1				
7	CAR	M. L. Carreon, A. K. Thapa J. B. Jasinski, M. K. Sunkara	The capacity and durability of amorphous silicon nanotube thin film anode for lithium ion battery applications	<i>ECS Electrochemistry Letters</i> 4, A124-A128	1.771	11		1	1				
8	CHE	Chen, Rui; Zhang, Lili; Ge, Cuicui; Tseng, Michael T.; Bai, Ru; Qu, Ying; Beer, Christiane; Atrup, Herman; Chen, Chunying	Subchronic Toxicity and Cardiovascular Responses in Spontaneously Hypertensive Rats after Exposure to Multiwalled Carbon Nanotubes by Intratracheal Instillation	<i>Chemical Research in Toxicology</i>	4.1	68	1		1				
9	CHE	Chen, Yan; Lian, Yongsheng	Numerical investigation of vortex dynamics in an H-rotor vertical axis wind turbine	<i>Engineering Applications of Computational Fluid Mechanics</i>	6.1	45	1		1				
10	CUM	Cummins, Dustin R.; Martinez, Ulises; Kappera, Rajesh; Voiry, Damien; Martinez-Garcia, Alejandro; Jasinski, Jacek; Kelly, Dan; Chhowalla, Manish; Mohite, Aditya D.; Sunkara, Mahendra K.; Gupta, Gautam	Catalytic Activity in Lithium-Treated Core-Shell MoOx/MoS <sub>2</sub> Nanowires	<i>Journal of Physical Chemistry C</i>	3.7	33		1	1				
11	DHA	Dharmadasa, I. M., O. K. Echendu, F. Fauzi, N. A. Abdul-Manaf, H. I. Salim, T. Druffel, R. Dharmadasa and B. Lavery	Effects of CdCl <sub>2</sub> treatment on deep levels in CdTe and their implications on thin film solar cells: a comprehensive photoluminescence study	<i>Journal of Materials Science: Materials in Electronics</i> 26(7): 4571-4583. DOI: 10.1007/s10854-015-3090-4	2.8	31		1	1				
12	DHA	Dharmadasa, R., B. W. Lavery, I. M. Dharmadasa and T. Druffel	Processing of CdTe thin films by intense pulsed light in the presence of CdCl <sub>2</sub> .	<i>Journal of Coatings Technology and Research</i> 12(5): 835-842. DOI: 10.1007/s11998-015-9688-x	1.619	15		1	1				
13	DRA	Draper, G. L., R. Dharmadasa, M. E. Staats, B. W. Lavery and T. Druffel	Fabrication of Elemental Copper by Intense Pulsed Light Processing of a Copper Nitrate Hydroxide Ink	<i>ACS Appl Mater Interfaces</i> 7(30): 16478-16485. DOI: 10.1021/acsami.5b03854	9.5	45		1	1				
14	FAN	X. Fan, F. Khosravi, V. Rahnesin, M. Shanmugam, M. Loeian, J. Jasinski, R. W. Cohn, E. Terentjev, B. Panthapakesan	MoS <sub>2</sub> actuators: reversible mechanical responses of MoS <sub>2</sub> -polymer nanocomposites to photons	<i>Nanotechnology</i> 26, 261001	3.5	48	1		1				
15	FAN	Fang, A. Q., S. L. White, R. A. Masitas, F. P. Zamborini, and P. K. Jain	One-to-One Correlation between Structure and Optical Response in a Heterogeneous Distribution of Plasmonic Constructs	<i>Journal of Physical Chemistry C</i> 119, no. 42: 24086-94	3.7	12	1		1				
16	FAU	Faul, Andre; Naber, John	A novel 915 MHz, RFID-based pressure sensor for glaucoma using an electrically small antenna	<i>Analog Integrated Circuits and Signal Processing</i>	1.4	3	1		1				
17	GOR	Gori, Sadakatai S.; Raju, Mandapati V. Ramakrishnam; Fonseca, Dania A.; Satyavolu, Jagannadh; Burns, Christopher T.; Nantz, Michael H.	Isolation of C5-Sugars from the Hemicellulose-Rich Hydrolyzate of Distillers Dried Grains	<i>Acs Sustainable Chemistry &amp; Engineering</i>	8.4	15		1	1				
18	GUP	S Gupta, M vanMeeveren, J Jasinski	Investigating Electrochemical Properties and Interfacial Processes of Manganese Oxides/Graphene Hybrids as High-Performance Supercapacitor Electrodes	<i>International Journal of Electrochemical Science</i> 10, 10272-10291	1.5	19		1	1				
19	GUP	S. Gupta, E. Heintzman, J. Jasinski	Multiphonon Raman spectroscopy properties and Raman mapping of 2D van der Waals solids: graphene and beyond	<i>Journal of Raman Spectroscopy</i> 46 (2), 217-230	2.5	23		1	1				
20	GUP	S. Gupta, E. Heintzman, J. Jasinski	Nanocarbon hybrids of graphene-based materials and ultradispersed diamond: investigating structure and hierarchical defects evolution with electron-beam irradiation	<i>Journal of Raman Spectroscopy</i> (2015); DOI: 10.1002/jrs.4682	2.5	13		1	1				

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21	GUP	S. Gupta, M. M. van Meveren, J. Jasinski	Graphene-Based Hybrids with Manganese Oxide Polymorphs as Tailored Interfaces for Electrochemical Energy Storage: Synthesis, Processing, and Properties	<i>Journal of Electronic Materials</i> , 44 (1), 62-78	2.1	14		1	1
22	HAD	Haddad, Andrew Z.; Kumar, Davinder; Sampson, Kagna Ouch; Matzner, Anna M.; Mashuta, Mark S.; Grapperhaus, Craig A.	Proposed Ligand-Centered Electrocatalytic Hydrogen Evolution and Hydrogen Oxidation at a Noninnocent Mononuclear Metal-Thiolate	<i>Journal of the American Chemical Society</i>	15	78	1		1
23	JAR	Jaramillo-Cabanzo, Daniel F.; Willing, Gerold A.; Sunkara, Mahendra K.	Plasma Etching Chemistry for Smoothing of Ultrananocrystalline Diamond Films	<i>Ecs Solid State Letters</i>	1.184	8		1	1
24	JAY	K.M.D.C. Jayathilaka, A.M.R. Jayasinghe, G.U. Sumanasekera, V. Kapaklis, W. Siripala, and J.K.D.S. Jayanetti	Effect of chlorine doping on electrodeposited cuprous oxide thin films on Ti substrates	<i>Phys. Status Solidi B</i> , 1–6	1.6	27		1	1
25	JHA	Jha, M., R. Dharmadasa, G. L. Draper, A. Sherehiy, G. Sumanasekera, D. Amos and T. Druffel	Solution phase synthesis and intense pulsed light sintering and reduction of a copper oxide ink with an encapsulating nickel oxide barrier	<i>Nanotechnology</i> 26(17): 175601. DOI: 10.1088/0957-4484/26/17/175601	3.5	15		1	1
26	KHA	Khadgi, Prajwal; Bai, Lihui; Evans, Gerald; Zheng, Qipeng P.	A simulation model with multi-attribute utility functions for energy consumption scheduling in a smart grid	<i>Energy Systems-Optimization Modeling Simulation and Economic Aspects</i>	2.3	10	1		1
27	KIM	Kim, Joo Gon; Mukherjee, Santanu; Bates, Alex; Zickel, Benjamin; Park, Sam; Son, Byung Rak; Choi, Jae Sung; Kwon, Osung; Lee, Dong Ha; Chung, Hyun-Youl	Autocorrelation standard deviation and root mean square frequency analysis of polymer electrolyte membrane fuel cell to monitor for hydrogen and air undersupply	<i>Journal of Power Sources</i>	9.2	9	1		1
28	KIM	Kim, Joo Gon; Son, Byungrak; Mukherjee, Santanu; Schuppert, Nicholas; Bates, Alex; Kwon, Osung; Choi, Moon Jong; Chung, Hyun Yeol; Park, Sam	A review of lithium and non-lithium based solid state batteries	<i>Journal of Power Sources</i>	9.2	642	1		1
29	KUM	Kumar, Davinder; Mashuta, Mark S.; Grapperhaus, Craig A.	Metal-centered oxidation decreases nitrile hydration activity of bioinspired (N2S3)Ru-PPh3 precatalysts	<i>Inorganic Chemistry Communications</i>	3.8	3	1		1
30	KWO	Kwon, Osung; Park, Sam; Kim, Joo Gon; Son, Byungrak; Lee, Dong-Ha	Morphological characterization of sulfonated graphene and Nafion composite membrane by dynamic mode atomic force microscopy	<i>International Journal of Energy Research</i>	4.6	5	1		1
31	LI	Li, Guibo; Lian, Yongsheng; Guo, Yisen; Jemison, Matthew; Sussman, Mark; Helms, Trevor; Arienti, Marco	Incompressible multiphase flow and encapsulation simulations using the moment-of-fluid method	<i>International Journal for Numerical Methods in Fluids</i>	1.8	30	1		1
32	LI	Li, W. G.; Huang, Z. Y.; Cao, F. L.; Sun, Z. H.; Shah, S. P.	Effects of nano-silica and nano-limestone on flowability and mechanical properties of ultra-high-performance concrete matrix	<i>Construction and Building Materials</i>	7.4	281	1		1
33	LIU	Liu, F. J.; Sun, Z. H.; Qi, C. Q.	Raman spectroscopy of the dehydration process of gypsums	<i>Advances in Cement Research</i>	2	10	1		1
34	LIU	Liu, F. J.; Sun, Z. H.; Qi, C. Q.	Raman Spectroscopy Study on the Hydration Behaviors of Portland Cement Pastes during Setting	<i>Journal of Materials in Civil Engineering</i>	3.2	31	1		1
35	LIU	Liu, Jinjun; Reilly, Neil J.; Mason, Amy; Miller, Terry A.	Laser-Induced Fluorescence Spectroscopy of Jet-Cooled t-Butoxy	<i>Journal of Physical Chemistry A</i>	2.9	10	1		1
36	LUP	Lupitskyy, Robert; Vendra, Venkat Kalyan; Jasinski, Jacek; Amos, Delaina A.; Sunkara, Mahendra K.; Druffel, Thad	Toward high-efficiency dye-sensitized solar cells with a photoanode fabricated via a simple water-based formulation	<i>Progress in Photovoltaics</i>	6.7	5		1	1
37	MAR	A. Martinez-Garcia, A. K. Thapa, R. Dharmadasa, T. Nguyen, T. L. Druffel, J. Jasinski, M. Sunkara	High rate and durable, binder free anode based on silicon loaded MoO3 nanoplatelets	<i>Scientific Reports</i> 5, 10530 (2015).	4.6	26		1	1
38	MCI	McIntyre, Michael L.; Mohebbi, Mohammed; Latham, Joseph	Nonlinear Current Observer for Backstepping Control of Buck-Type Converters	2015 IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL)		0	1		1
39	MOH	Mohebbi, Mohammad; McIntyre, Michael L.; Latham, Joseph	Energy Efficient DC to AC Power Conversion Using Advanced Controllers and Novel Voltage Trajectories	2015 IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL)		0	1		1
40	MOH	Mohebbi, Mohammad; McIntyre, Michael L.; Latham, Joseph	Vehicle to Grid Utilizing a Backstepping Controller for Bidirectional Full-Bridge Converter and Five Level Active Neutral Point Inverter	2015 IEEE 16th Workshop on Control and Modeling for Power Electronics (COMPEL)		2	1		1
41	MOZ	Miran Mozetič, Gregor Primc, Alenka Vesel, Rok Zaplotnik, Martina Modic, Ita Junkar, Nina Recek, Marja Klanjšek-Gunde, Lukus Guhy, Mahendra K Sunkara	Application of Extremely Non-Equilibrium Plasmas in the Processing of Nano and Biomedical Materials	<i>Plasma Sources Science &amp; Technology</i> 24, no. 1	3.8	37		1	1
42	MUK	Mukherjee, Santanu; Bates, Alex; Schuppert, Nicholas; Son, Byungrak; Kim, Joo Gon; Choi, Jae Sung; Choi, Moon Jong; Lee, Dong-Ha; Kwon, Osung; Jasinski, Jacek; Park, Sam	A study of a novel Na ion battery and its anodic degradation using sodium rich prussian blue cathode coupled with different titanium based oxide anodes	<i>Journal of Power Sources</i>	9.2	17	1		1
43	MUK	Mukherjee, S., A. Bates, S. C. Lee, D. H. Lee, and S. Park	A Review of the Application of Cnts in Pem Fuel Cells	<i>International Journal of Green Energy</i> 12, no. 8: 787-809	3.3	35	1		1

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44	NAE	Rabia Naeem; Sohail Ahmed; Kong Mun Lo; Wan Jefry Basirun; Rosiyah Yahya; Misni Misran; T. A. Nirmal Peiris; Jagdeep S Sagu; K. G. Upul Wijayantha; Arjun K Thapa; Gamini U. Sumanasekera; Muhammad Mazhar	Electric-Field Aerosol-Assisted CVD: Synthesis, Characterization, and Properties of Tin Oxide Microballs Prepared from a Single Source Precursor	<i>Chemical Vapor Deposition</i> 21, 1-9	2.227	10		1	1
45	NAM	A. Nambo, C. M. Miralda, J. B. Jasinski, M. A. Carreon	Methanolysis of olive oil for biodiesel synthesis over ZnO nanorods	<i>Reaction Kinetics, Mechanisms and Catalysis</i> 114, 583-595 (2015)	1.8	18	1		1
46	NEY	Neyts, E. C., K. Ostrikov, M. K. Sunkara, and A. Bogaerts	Plasma Catalysis: Synergistic Effects at the Nanoscale	<i>Chemical Reviews</i> 115, no. 24 (Dec 23 2015): 13408-46	62.1	617		1	1
47	PAN	Pandit, Bill; Dharmadasa, Ruvini; Dharmadasa, I. M.; Druffel, Thad; Liu, Jirjun	Ultrafast charge carrier relaxation and charge transfer processes in CdS/CdTe thin films	<i>Physical Chemistry Chemical Physics</i>	3.3	10		1	1
48	RAD	Radfar, Ata; Rockaway, Thomas Doan	Neural Networks Models for Captured Runoff Prediction of Permeable Interlocking Concrete Pavements	World Environmental and Water Resources Congress 2015: Floods, Droughts, and Ecosystems		2	1		1
49	RAT	Ratnayake, Dilan; Martin, Michael D.; Gowrishetty, Usha R.; Porter, Daniel A.; Berfield, Thomas A.; McNamara, Shamus P.; Walsh, Kevin M.	Engineering stress in thin films for the field of bistable MEMS	<i>Journal of Micromechanics and Microengineering</i>	2.3	14	1		1
50	ROB	Robinson, Brian S.; Dorwart, Jordan; Sharp, M. Keith	US space cooling potentials for ambient sources with thermal energy storage	<i>International Journal of Ambient Energy</i>	2.539	18	1		1
51	ROB	Robinson, Brian S.; Sharp, M. Keith	Reducing unwanted thermal gains during the cooling season for a solar heat pipe system	<i>Solar Energy</i>	6.7	7	1		1
52	RUB	Rubin, Paul A.; Bai, Lihui	Forming competitively balanced teams	<i>lie Transactions</i>	2.884	12	1		1
53	RUS	Russ, David C.; Thomas, Jonathan M. D.; Miller, Q. Sean; Berson, R. Eric	Predicting Power for a Scaled-up Non-Newtonian Biomass Slurry	<i>Chemical Engineering &amp; Technology</i>	2.1	20	1		1
54	SCH	Schneider, Joseph Devin; Rebolledo-Mendez, Jovan David; McNamara, Shamus	A grayscale pneumatic micro-valve for use in a reconfigurable tactile tablet for vision-impaired individuals	<i>Journal of Micromechanics and Microengineering</i>	2.3	1	1		1
55	SHA	Shah, N., and F. P. Zamborini	Surfactant-Assisted Voltage-Driven Silver Nanoparticle Chain Formation across Microelectrode Gaps in Air	<i>ACS Nano</i> 9, no. 10 (Oct 2015): 10278-86	17.1	9	1		1
56	SHA	Shakeri, Mostafa; Soltanzadeh, Maryam; Berson, R. Eric; Sharp, M. Keith	Efficiency of Solar Electricity Production With Long-Term Storage	<i>Journal of Solar Energy Engineering-Transactions of the ASME</i>	2.3	3	1		1
57	SHE	Shen, L.; Jovein, H. B.; Sun, Z. H.; Wang, Q.; Li, W. M.	Testing dynamic segregation of self-consolidating concrete	<i>Construction and Building Materials</i>	7.4	35	1		1
58	SPR	Springer, Z; Sharp, MK	THE POTENTIAL OF NIGHT SKY RADIATION FOR HUMIDITY CONTROL	PROCEEDINGS OF THE ASME 9TH INTERNATIONAL CONFERENCE ON ENERGY SUSTAINABILITY, 2015, VOL 1		0	1		1
59	STE	M. Stekiel, R. Przenioslo, I. Sosnowska, A. Fitch, J. Jasinski, J. Lussier, M. Bieringer	Lack of a threefold rotation axis in $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> and $\alpha$ -Cr <sub>2</sub> O <sub>3</sub> crystals	<i>Acta Cryst.</i> B71, 203-208	1.9	13		1	1
60	TRA	Tradal, Hiren V.; Vendra, Venkat; Tinney, Joseph P.; Yuan, Fangping; Jackson, Douglas J.; Walsh, Kevin M.; Keller, Bradley B.	Implantable Thin-film Porous Microelectrode Array (P-MEA) for Electrical Stimulation of Engineered Cardiac Tissues	<i>Biochip Journal</i>	4.3	7	1		1
61	VEN	V. K. Vendra, T. Q. Nguyena, A. K. Thapa, J. B. Jasinski, M. K. Sunkara	Scalable Synthesis and Surface Stabilization of Li <sub>2</sub> MnO <sub>3</sub> NWS as High Rate Cathode Materials in Li-Ion Batteries	<i>RSC Adv.</i> , 2015,5, 36906-36912	3.9	14		1	1
62	WAL	Walczak, K., Chen, Y., Karp, C., Beeman, J., Shaner, M., Spurgeon, J., Sharp, I., Amashukeli, X., West, W., Jin, J., Lewis, N., and Xiang, C.	Modeling, Simulation, and Fabrication of a Fully Integrated, Acid-stable, Scalable Solar-driven Water-splitting System	<i>ChemSusChem</i> , 2015, 8 (3), 544-551	8.4	94		1	1
63	XIE	Xie, Yizhou; Teunis, Meghan B.; Pandit, Bill; Sardar, Rajesh; Liu, Jirjun	Molecule-like CdSe Nanoclusters Passivated with Strongly Interacting Ligands: Energy Level Alignment and Photoinduced Ultrafast Charge Transfer Processes	<i>Journal of Physical Chemistry C</i>	3.7	25	1		1
64	YAN	L. Yang, K. Tate, J. Jasinski, M. Carreon	Decarboxylation of Oleic Acid to heptadecane Over Pt-supported zeolite 5A beads	<i>ACS Catalysis</i> 5, 6497-6502	12.9	85	1		1
65	YAN	Yang, Li; Harrysson, Ola A.; West, Harvey A., II; Cormier, Denis R.; Park, Chun; Peters, Kara	Low-energy drop weight performance of cellular sandwich panels	<i>Rapid Prototyping Journal</i>	3.9	7	1		1

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66	YAN	Yang, Li; Harrysson, Ola; Cormier, Denis; West, Harvey; Gong, Haijun; Stucker, Brent	Additive Manufacturing of Metal Cellular Structures: Design and Fabrication	Jom	2.6	105	1		1
67	YAN	Yang, Li; Harrysson, Ola; West, Harvey; Cormier, Denis	Mechanical properties of 3D re-entrant honeycomb auxetic structures realized via additive manufacturing	International Journal of Solids and Structures	3.6	401	1		1
68	YOU	Young, John C.; Boyd, Darren; Gedney, Stephen D.; Suzuki, Takehito; Liu, Jinjun	A DGFETD Port Formulation for Photoconductive Antenna Analysis	Ieee Antennas and Wireless Propagation Letters	4.2	3	1		1
69	ZHA	R. Zhao, R. Jayasingha, A. Sherehiy, R. Dharmasena, M. Akhtar, J. Jasinski, S.-Y. Wu, V. Henner, G. U. Sumanasekera,	In-situ Transport Measurements and Band Gap Formation of Fluorinated Graphene	J. Phys. Chem. C 119, 20150-20155	3.7	14		1	1
70	ZHO	Zhou, Y.; Gao, J.; Sun, Z. H.; Qu, W. J.	A fundamental study on compressive strength, static and dynamic elastic moduli of young concrete	Construction and Building Materials	7.4	47	1		1
71	ZHU	Zhu, Li; McNamara, Shamus	Low Power Tunneling Current Strain Sensor Using MOS Capacitors	Journal of Microelectromechanical Systems	2.7	7	1		1

PERSONNEL 2015	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
	Carriero, Margaret	Biology, College of Arts & Sciences	1
	Cohn, Robert	Electrical & Computer Engineering, JB Speed School of Engineering	1
	Dowling, Timothy	Physics & Astronomy, College of Arts & 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
	Fu, Xiao-An "Sean"	Chemical Engineering, JB Speed School of Engineering	1
	Grappert-Haus, 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
	Ramazanipour, Farshid	Chemistry, College of Arts & Sciences	1
	Rockaway, Thomas	Civil & Environmental Engineering, JB Speed School of Engineering	1
	Running, Mark	Biology, College of Arts & Sciences	1
	Schultz, David	Biology, College of Arts & Sciences	1

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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
<b>CENTER STAFF</b>		<b>25</b>
Alvarez Fonseca, Dania	Postdoctoral Associate	1
Ankireddy, Krishnamraju	Postdoctoral Associate	1
Chauduri, Indira	Postdoctoral Associate	1
Dharmadasa, Ruvini	Postdoctoral Associate	1
Druffel, Thad	Outreach Project Coordinator	1
Gamboia, Herman	Outreach Project Coordinator	1
Gebble, Robert	Consultant	1
He, Juan	Postdoctoral Associate	1
Hemple, Richard	Consultant	1
Hickman, Bob	Sr. Research Scientist/Engineer	1
Jasinski, Jacek	Sr. Research Scientist/Engineer	1
Jha, Menaka	Postdoctoral Associate	1
Kim, Eurick	Postdoctoral Associate	1
Krentsel, Tatiana	Research Manager	1
Kumar, Bijandra	Postdoctoral Associate	1
Kumari, Sudesh	Postdoctoral Associate	1
Marsh, Andrew	Assistant Director/Program Officer	1
Paxton, William "Hank"	Research Associate	1
Salazar, Eunice	Business Manager	1
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
Vunnam, Swathi	Postdoctoral Associate	1
<b>VISITING SCHOLARS</b>		<b>2</b>
Celaymanian, Azadeh	Undergrad Intern, GERMANY	1
Ogunsuyi, Helen	Research Scholar, NIGERIA	1