

PUBLICATIONS BY YEAR		CONN CENTER STAFF & ASSOCIATED FACULTY		2017	6.415	2168		63	19	2	6	88
#	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
ADH	1	Adhikari, SP ; Hood, ZD ; Wang, H ; Peng, R ; Krall, A ; Li, H ; Chen, VW ; More, KL ; Wu, ZL ; Geyer, S ; Lachgar, A	Enhanced visible light photocatalytic water reduction from a g-C3N4/SrTa2O6 heterojunction	APPLIED CATALYSIS B-ENVIRONMENTAL	11.698	52	2017	1				1
AJA	2	Ajayi, BP ; Thapa, AK ; Cvelbar, U ; Jasinski, JB ; Sunkara, MK	Atmospheric plasma spray pyrolysis of lithiated nickel-manganese-cobalt oxides for cathodes in lithium ion batteries	CHEMICAL ENGINEERING SCIENCE	3.306	9	2017		1			1
AKH	3	Akhtar, M ; Anderson, G ; Zhao, R ; Alruqi, A ; Mroczkowska, JE ; Sumanasekera, G ; Jasinski, JB	Recent advances in synthesis, properties, and applications of phosphorene	NPJ 2D MATERIALS AND APPLICATIONS	0	201	2017		1			1
ALL	4	Allen, SL ; Sharma, JN ; Zamborini, FP	Aggregation-Dependent Oxidation of Metal Nanoparticles	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	14.357	39	2017	1				1
AND	5	Andersson, M ; Handa, S ; Gallou, F ; Reilly, J ; Lipshutz, B	A ligand enabling ppm levels of palladium in Suzuki-Miyaura couplings - the density functional theory calculations	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1				1
ANK	6	Ankireddy, K ; Druffel, T ; Vunnam, S ; Filipic, G ; Dharmadasa, R ; Amos, DA	Seed mediated copper nanoparticle synthesis for fabricating oxidation free interdigitated electrodes using intense pulse light sintering for flexible printed chemical sensors	JOURNAL OF MATERIALS CHEMISTRY C	5.976	9	2017				1	1
ARU	7	Arutt, Charles N.; Alles, Michael L.; Liao, Wenjun; Gong, Huiqi; Davidson, Jim L.; Schrimpf, Ronald D.; Reed, Robert A.; Weller, Robert A.; Bolotin, Kirill; Nicholl, Ryan; Thang Toan, Pham; Zettl, Alex; Du, Qingyang; Hu, Juejun; Li, Mo; Alphenaar, Bruce W.; Lin, Ji-Tzuoh; Shurva, Pranoy Deb; McNamara, Shamus; Walsh, Kevin M.; Feng, Philip X. L.; Hutin, Louis; Ernst, Thomas; Homeijer, Brian D.; Polcawich, Ronald G.; Proie, Robert M.; Jones, Jacob L.; Glaser, Evan R.; Cress, Cory D.; Bassiri-Gharb, Nazanin	The study of radiation effects in emerging micro and nano electro mechanical systems (M and NEMS)	Semiconductor Science and Technology	2.28	30	2017	1				1
BAT	8	Bates, AM ; Zickel, B ; Krebs, S ; Mukherjee, S ; Schuppert, ND ; Choi, MJ ; Park, SD	Analytical Study and Experimental Validation of Copper II Sulfate and Potassium Ferri/Ferrocyanide Thermocells Using Onsager Flux Equations	JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME	2.197	2	2017	1				1
BRA	9	Brahmaji, B ; Rajyalakshmi, S ; Kamal, CS ; Atia, V ; Veeraiiah, V ; Rao, KV ; Rao, KR	Optical emissions of Ce3+ doped Sulphamic acid single crystals by low temperature unidirectional growth technique	OPTICAL MATERIALS	2.41	11	2017		1			1
BRA	10	Brales, J ; Smith, JD ; Ibrahim, F ; Gallou, F ; Handa, S	Micelle-Enabled Palladium Catalysis for Convenient sp(2)-sp(3) Coupling of Nitroalkanes with Aryl Bromides in Water Under Mild Conditions	ACS CATALYSIS	11.384	52	2017	1				1
DAV	11	Davis, A ; Calvary, C ; Grapperhaus, C	Synthesis of thiosemicarbazones with functionalized pendant amines	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1				1
DHA	12	Dharmadasa, IM ; Madugu, ML ; Olusola, OI ; Echendu, OK ; Fauzi, F ; Diso, DG ; Weerasinghe, AR ; Druffel, T ; Dharmadasa, R ; Lavery, B ; Jasinski, JB ; Krentsel, TA ; Sumanasekera, G	Electroplating of CdTe Thin Films from Cadmium Sulphate Precursor and Comparison of Layers Grown by 3-Electrode and 2-Electrode Systems	COATINGS	2.175	25	2017		1			1
DRU	13	Druffel, T ; Ankireddy, K ; Lavery, BW	Scalable Manufacturing of Solar Cells Enabled by Intense Pulsed Light	2017 24TH INTERNATIONAL WORKSHOP ON ACTIVE-MATRIX FLATPANEL DISPLAYS AND DEVICES	0	1	2017		1			1
EBR	14	Ebrahimi, M ; Gerber, EL ; Rockaway, TD	Temporal performance assessment of wastewater treatment plants by using multivariate statistical analysis	JOURNAL OF ENVIRONMENTAL MANAGEMENT	4.478	46	2017	1				1
EME	15	Emery, Sarah M.; Reid, Matthew L.; Bell-Dereske, Lukas; Gross, Katherine L.	Soil mycorrhizal and nematode diversity vary in response to bioenergy crop identity and fertilization	Global Change Biology Bioenergy	5.415	22	2017	1				1
GAB	16	Gabriel, CM ; Parmentier, M ; Riegert, C ; Lanz, M ; Handa, S ; Lipshutz, BH ; Gallou, F	Sustainable and Scalable Fe/ppm Pd Nanoparticle Nitro Group Reductions in Water at Room Temperature	ORGANIC PROCESS RESEARCH & DEVELOPMENT	3.584	36	2017	1				1
GHA	17	Ghavami, M ; Zhao, Q ; Javadi, S ; Jangam, JSD ; Jasinski, JB ; Saraei, N	Change of organobentonite interlayer microstructure induced by sorption of aromatic and petroleum hydrocarbons-A combined study of laboratory characterization and molecular dynamics simulations	COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS	3.011	16	2017				1	1
GON	18	Gong, HQ ; Liao, WJ ; Zhang, EX ; Sternberg, AL ; McCurdy, MW ; Davidson, JL ; Reed, RA ; Fleetwood, DM ; Schrimpf, RD ; Shurva, PD ; Lin, JT ; McNamara, S ; Walsh, KM ; Alphenaar, BW ; Alles, ML	Total-Ionizing-Dose Effects in Piezoresistive Micromachined Cantilevers	IEEE TRANSACTIONS ON NUCLEAR SCIENCE	1.44	13	2017	1				1

GRA 19	Grapperhaus, C ; Haddad, A ; Garabato, B ; Buchanan, R ; Kozlowski, P	Hydrogen evolution without metal-hydrides: Ligand-centered HER catalysts with transition metals and non-transition metals	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1		1
GRA 20	Grapperhaus, C ; Zhang, WY ; Buchanan, R	Modification of glassy carbon electrodes with Cu- and Zn-bis(thiosemicarbazones) as heterogeneous HER catalysts	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1		1
GUO 21	Guo, YS ; Lian, YS	High-speed oblique drop impact on thin liquid films	PHYSICS OF FLUIDS	2.606	28	2017	1		1
GUP 22	Gupta, S ; Carrizosa, SB ; McDonald, B ; Jasinski, J ; Dimakis, N	Graphene-family nanomaterials assembled with cobalt oxides and cobalt nanoparticles as hybrid supercapacitive electrodes and enzymeless glucose detection platforms	JOURNAL OF MATERIALS RESEARCH	1.54	21	2017		1	1
HAD 23	Haddad, AZ ; Cronin, SP ; Mashuta, MS ; Buchanan, RM ; Grapperhaus, CA	Metal-Assisted Ligand-Centered Electrocatalytic Hydrogen Evolution upon Reduction of a Bis(thiosemicarbazone)Cu(II) Complex	INORGANIC CHEMISTRY	4.7	76	2017	1		1
HAR 24	Harnett, CK	Tobiko: A Contact Array for Self-Configuring, Surface-Powered Sensors	PROCEEDINGS OF THE 2017 ACM SIGCHI CONFERENCE ON HUMAN FACTORS IN COMPUTING SYSTEMS (CHI'17)	N/A	2	2017	1		1
HAR 25	Harnett, CK ; Zhao, HC ; Shepherd, RF	Stretchable Optical Fibers: Threads for Strain-Sensitive Textiles	ADVANCED MATERIALS TECHNOLOGIES	4.622	44	2017	1		1
HER 26	Herde, ZD ; John, PD ; Alvarez-Fonseca, D ; Satyavolu, J ; Burns, CT	Stereoselective acetylation of hemicellulosic C5-sugars	CARBOHYDRATE RESEARCH	2.074	3	2017	1	1	1
HON 27	Hona, RK ; Huq, A ; Mulmi, S ; Ramezanipour, F	Transformation of Structure, Electrical Conductivity, and Magnetism in AA'Fe ₂ O ₆ -delta, A = Sr, Ca and A' = Sr	INORGANIC CHEMISTRY	4.7	22	2017	1		1
HON 28	Hona, RK ; Huq, A ; Ramezanipour, F	Unraveling the Role of Structural Order in the Transformation of Electrical Conductivity in Ca ₂ FeCoO ₆ -delta, CaSrFeCoO ₆ -delta, and Sr ₂ FeCoO ₆ -delta	INORGANIC CHEMISTRY	4.7	27	2017	1		1
HOS 29	Hossain, MA ; Phung, TK ; Tulaphol, S ; Sun, N ; Prasomsri, T ; Sathitsuksanoh, N	Efficient sugar release from softwoods by an integrated thermochemical and biological process	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1		1
IEZ 30	Iezzi, B ; Ankireddy, K ; Twiddy, J ; Losego, MD ; Jur, JS	Printed, metallic thermoelectric generators integrated with pipe insulation for powering wireless sensors	APPLIED ENERGY	7.9	48	2017		1	1
JAI 31	Jain, R ; Haddad, A ; Mashuta, M ; Buchanan, R ; Grapperhaus, C	Electrocatalytic hydrogen production and hydrogen oxidation using tetradentate nickel (II) and zinc (II) complexes with P2S2 ligand framework: Synthesis, characterization and mechanistic insights	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1		1
JAI 32	Jain, R ; Mashuta, MS ; Buchanan, RM ; Grapperhaus, CA	Electrocatalytic Hydrogen Evolution and Hydrogen Oxidation with a Ni(PS) ₂ Complex	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	2.483	10	2017	1		1
JOK 33	Jokinen, TA ; McNamara, S	Band-to-Band Tunneling Diode for Ultralow-Voltage Applications	IEEE TRANSACTIONS ON ELECTRON DEVICES	3.13	5	2017	1		1
KAM 34	Kamal, CS ; Rao, TKV ; Samuel, T ; Reddy, PVSSSN ; Jasinski, JB ; Ramakrishna, Y ; Rao, MC ; Rao, KR	Blue to magenta tunable luminescence from LaGaO ₃ : Bi ³⁺ , Cr ³⁺ doped phosphors for field emission display applications	RSC ADVANCES	2.936	11	2017	1		1
KAM 35	Kamal, CS ; Rao, TKV ; Reddy, PVSSSN ; Sujatha, K ; Ajayi, BP ; Jasinski, JB ; Rao, KR	Unravelling the energy transfer mechanism in bismuth co-activation of LaInO ₃ : Sm ³⁺ /Ho ³⁺ nanophosphor for color-tunable luminescence	RSC ADVANCES	2.936	16	2017	1		1
KHO 36	Khodabandeh, E ; Bai, LH ; Heragu, SS ; Evans, GW ; Elrod, T ; Shiirkness, M	Modelling and solution of a large-scale vehicle routing problem at GE appliances & lighting	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	2.623	7	2017	1		1
KLU 37	Klumphu, P ; Desfeux, C ; Zhang, YT ; Handa, S ; Gallou, F ; Lipshutz, BH	Micellar catalysis-enabled sustainable ppm Au-catalyzed reactions in water at room temperature	CHEMICAL SCIENCE	9.1	35	2017	1		1
KUM 38	Kumar, B ; Atla, V ; Brian, JP ; Kumari, S ; Nguyen, TQ ; Sunkara, M ; Spurgeon, JM	Reduced SnO ₂ Porous Nanowires with a High Density of Grain Boundaries as Catalysts for Efficient Electrochemical CO ₂ -into-HCOOH Conversion	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	12.102	282	2017	1		1
KUM 39	Kumar, L ; Koukoulas, AA ; Mani, S ; Satyavolu, J	Integrating Torrefaction in the Wood Pellet Industry: A Critical Review	ENERGY & FUELS	3.024	84	2017	1		1
KUM 40	Kumari, S ; Ajayi, BP ; Kumar, B ; Jasinski, JB ; Sunkara, MK ; Spurgeon, JM	A low-noble-metal W _{1-x} Ir _x O ₃ -delta water oxidation electrocatalyst for acidic media via rapid plasma synthesis	ENERGY & ENVIRONMENTAL SCIENCE	30.067	84	2017	1		1
LAT 41	Latham, J ; Mohebbi, M ; McIntyre, ML	Output Feedback Control of a Single Phase Voltage Source Inverter Utilizing a Variable Structure Observer	2017 AMERICAN CONTROL CONFERENCE (ACC)	1.36	4	2017	1		1
LI 42	Li, WG ; Sun, ZH ; Luo, ZY ; Shah, SP	Influence of Relative Mechanical Strengths between New and Old Cement Mortars on the Crack Propagation of Recycled Aggregate Concrete	JOURNAL OF ADVANCED CONCRETE TECHNOLOGY	1.438	8	2017	1		1
LI 43	Li, ZH ; Sathitsuksanoh, N ; Zhang, W ; Goodell, B ; Rennecker, S	Towards an Understanding of Cellulose Microfibril Dimensions from TEMPO-Oxidized Pulp Fiber	NANOCELLULOSES: THEIR PREPARATION, PROPERTIES, AND APPLICATIONS	N/A	1	2017	1		1

LIN 44	Lin, JT ; Shuvra, PD ; McNamara, S ; Gong, H ; Liao, W ; Davidson, JL ; Walsh, KM ; Alles, ML ; Alphenaar, BW	Near-Surface Electronic Contribution to Semiconductor Elasticity	PHYSICAL REVIEW APPLIED	4.808	6	2017	1	1
LIN 45	Lin, JT ; Shuvra, PD ; Liao, WJ ; McNamara, S ; Walsh, KM ; Arutt, CN ; Gong, HQ ; Davison, JL ; Alles, ML ; Alphenaar, BW	SURFACE CARRIER CONCENTRATION EFFECT ON ELASTIC MODULUS OF PIEZOELECTRIC MEMS SILICON CANTILEVERS	2017 19TH INTERNATIONAL CONFERENCE ON SOLID-STATE SENSORS, ACTUATORS AND MICROSYSTEMS (TRANSDUCERS)	0.49	9	2017	1	1
LIU 46	Liu, RJ ; Sun, ZH ; Ding, QJ ; Chen, P ; Chen, KL	Mitigation of Early-Age Cracking of Concrete Based on a New Gel-Type Superabsorbent Polymer	JOURNAL OF MATERIALS IN CIVIL ENGINEERING	1.763	9	2017	1	1
LOE 47	Loeian, MS ; Ziolkowska, DA ; Khosravi, F ; Jasinski, JB ; Panchapakesan, B	Exfoliated WS2-Nafion Composite based Electromechanical Actuators (vol 7, 2017)	SCIENTIFIC REPORTS	4.122	20	2017	1	1
LU 48	Lu, ZC ; Zeng, XJ ; Hammond, GB ; Xu, B	Widely Applicable Hydrofluorination of Alkenes via Bifunctional Activation of Hydrogen Fluoride	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	14.357	37	2017	1	1
LU 49	Lu, ZC ; Jasinski, J ; Handa, S ; Hammond, G	Development of cheap, recyclable cellulose-bonded palladium catalyst for cross coupling reactions	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1	1
MAR 50	Martin, MD ; Thompson, AK ; Schuhmann, TG ; Walsh, K ; Keynton, RS	MEMS Stabilized Lipid Membranes and Their Parylene Encapsulation	JOURNAL OF MICROELECTROMECHANICAL SYSTEMS	2.838	0	2017	1	1
MCA 51	McAndrew, RP ; Sathitsuksanoh, N ; Mbughuni, MM ; Heins, RA ; Pereira, JH ; George, A ; Sale, KL ; Fox, BG ; Simmons, BA ; Adams, PD	Dioxygen binding in NOV1 crystal structures	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	10.028	8	2017	1	1
MOH 52	Mohebbi, M ; Latham, J ; McIntyre, ML ; Rivera, P	Filter-Based Control of an H-Bridge Inverter with Output LC Filter	2017 AMERICAN CONTROL CONFERENCE (ACC)	1.36	2	2017	1	1
MOH 53	Mohebbi, M ; McIntyre, ML ; Latham, J	A Backstepping Controller for Voltage Source Inverter with Inductor Current and Output Current Observers	2017 IEEE POWER AND ENERGY CONFERENCE AT ILLINOIS (PECI)	0	3	2017	1	1
MOH 54	Mohebbi, M ; McIntyre, ML ; Latham, J	A Learning Backstepping Controller for Voltage Source Inverter with Nonlinear Loads	2017 IEEE POWER AND ENERGY CONFERENCE AT ILLINOIS (PECI)	0	4	2017	1	1
MOH 55	Mohebbi, M ; McIntyre, ML ; Latham, J ; Rivera, P	A Filter-Based Controller for a Buck Converter	2017 IEEE 18TH WORKSHOP ON CONTROL AND MODELING FOR POWER ELECTRONICS (COMPEL)	0	2	2017	1	1
MOH 56	Mohebbi, M ; McIntyre, ML ; Latham, J ; Rivera, P	Nonlinear Control of Standalone Inverter with Unbalanced, Nonlinear Load	2017 IEEE POWER AND ENERGY CONFERENCE AT ILLINOIS (PECI)	0	12	2017	1	1
MUK 57	Mukherjee, S ; Schuppert, N ; Bates, A ; Lee, SC ; Park, S	Novel mesoporous microspheres of Al and Ni doped LMO spinels and their performance as cathodes in secondary lithium ion batteries	INTERNATIONAL JOURNAL OF GREEN ENERGY	1.171	7	2017	1	1
MUK 58	Mukherjee, Santanu ; Schuppert, Nicholas ; Bates, Alex ; Jasinski, Jacek ; Hong, Jong-Eun ; Choi, Moon Jong ; Park, Sam	An electrochemical and structural study of highly uniform tin oxide nanowires fabricated by a novel, scalable solvoplasma technique as anode material for sodium ion batteries	Journal of Power Sources (vol 347, pg 201, 2017)	6.945	12	2017	1	1
NAM 59	Nambo, A ; He, J ; Nguyen, TQ ; Atta, V ; Druffel, T ; Sunkara, M	Ultrafast Carbon Dioxide Sorption Kinetics Using Lithium Silicate Nanowires	NANO LETTERS	12.08	43	2017	1	1
PAR 60	Paronyan, TM ; Thapa, AK ; Sherehiy, A ; Jasinski, JB ; Jangam, JSD	Incommensurate Graphene Foam as a High Capacity Lithium Intercalation Anode	SCIENTIFIC REPORTS	4.122	31	2017	1	1
PAR 61	T.M. Paronyan, A.K. Thapa, A. Sherehiy, J.B. Jasinski, J.S.D. Jangam	Exceptional Lithium Intercalation Capacity of Incommensurate Graphene Foam in Rechargeable Batteries	ECSS Transactions 77 (11), 311-320	0.54	3	2017	1	1
PER 62	Perez-Pimentia, JA ; Sathitsuksanoh, N ; Thompson, VS ; Tran, K ; Ponce-Noyola, T ; Stavila, V ; Singh, S ; Simmons, BA	Ternary ionic liquid-water pretreatment systems of an agave bagasse and municipal solid waste blend	BIOTECHNOLOGY FOR BIOFUELS	5.497	22	2017	1	1
POR 63	Porter, Daniel A. ; Hoang, Trung V. T. ; Berfield, Thomas A.	Effects of in-situ poling and process parameters on fused filament fabrication printed PVDF sheet mechanical and electrical properties	Additive Manufacturing	7.126	57	2017	1	1
PRA 64	Prater, R ; Lian, YS	Detached Eddy Simulation Simulation of Asymmetrical Flow in a High Pressure Diesel Injector	JOURNAL OF ENGINEERING FOR GAS TURBINES AND POWER-TRANSACTIONS OF THE ASME	2.126	0	2017	1	1
RAO 65	Rao, KR ; Rajyalakshmi, S ; Kamal, CS ; Brahmaji, B ; Jasinski, JB ; Rao, TKV	Unique optical properties of Eu3+ doped L-histidine hydrochloride mono hydrate single crystals from low temperature growth technique	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	3.047	3	2017	1	1
RIV 66	Rivera, PR ; McIntyre, ML ; Mohebbi, M ; Latham, J	Single - Stage Single - Phase Grid - Connected Photovoltaic System with Current Ripple Mitigation Based on Nonlinear Control	2017 8TH INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM)	0.13	0	2017	1	1
RIV 67	Rivera, PR ; McIntyre, ML ; Mohebbi, M ; Latham, J	Single - Stage Three - Phase Grid - Connected Photovoltaic System with Maximum Power Tracking and Active and Reactive Power Control based on Nonlinear Control	2017 IEEE ENERGY CONVERSION CONGRESS AND EXPOSITION (ECCE)	0	1	2017	1	1
RIV 68	Rivera, PR ; McIntyre, ML ; Mohebbi, M ; Latham, J	Nonlinear Control for Single-Stage Single-Phase Grid-Connected Photovoltaic Systems	2017 IEEE 18TH WORKSHOP ON CONTROL AND MODELING FOR POWER ELECTRONICS (COMPEL)	0	4	2017	1	1

SAL 69	U. Salgaeva, R. Zhao, S. Mushinsky, J. Jasinski, X.-A. Fu, V. Henner, R. Dharmasena, G. Sumanasekera	Photoluminescence in Functionalized/Doped Graphene Quantum Dots: Role of Surface States	<i>J. Nanomater. Mol. Nanotechnol.</i> 6 (2) (2017), doi: 10.4172/2324-8777.1000215	1.73	0	2017	1	1	1
SAM 70	Samuel, T ; Kamal, CS ; Ravipati, S ; Ajayi, BP ; Veeraiyah, V ; Sudarsan, V ; Rao, KR	High purity green photoluminescence emission from Tb3+, Bi3+ co-doped LaGaO3 nanophosphors	OPTICAL MATERIALS	2.41	15	2017	1		1
SMI 71	Smith, JD ; Gallou, F ; Handa, S	Organometallic Catalysis and Sustainability: From Origin to Date Rapid progress towards more sustainable processes for industry	JOHNSON MATTHEY TECHNOLOGY REVIEW	1.579	10	2017	1		1
STR 72	Strain, J ; Abeywickrama, T ; Rathnayake, H ; Liu, JJ	Ultrafast transient absorption spectroscopy investigation of photoinduced dynamics in donor-acceptor core-shell nanostructures for organic photovoltaics	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1		1
SUN 73	Sun, ZH ; Liu, FJ ; Tong, T ; Qi, CQ ; Yu, Q	Hydration of Concrete Containing Hybrid Recycled Demolition Powders	JOURNAL OF MATERIALS IN CIVIL ENGINEERING	1.763	17	2017	1		1
TAF 74	Tafazzoli, F ; Frigui, H ; Nishiyama, K	A Large and Diverse Dataset for Improved Vehicle Make and Model Recognition	2017 IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION WORKSHOPS (CVPRW)	32.74	29	2017	1		1
TEL 75	Telfah, H ; Jamhawi, A ; Teunis, MB ; Sardar, R ; Liu, JJ	Ultrafast Exciton Dynamics in Shape-Controlled Methylammonium Lead Bromide Perovskite Nanostructures: Effect of Quantum Confinement on Charge Carrier Recombination	JOURNAL OF PHYSICAL CHEMISTRY C	4.536	23	2017	1		1
TEL 76	Telfah, H ; Liu, JJ ; Jamhawi, A ; Strain, J ; Teunis, M ; Sardar, R	Ultrafast transient absorption spectroscopy investigation of excited state dynamics of methyl ammonium lead bromide perovskite nanostructures	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	1	2017	1		1
TID 77	Tidwell, Steven ; Latham, Joseph ; McIntyre, Michael	Partial Shading Abatement Through Cascaded H-Bridge Topology	2017 IEEE 44th Photovoltaic Specialist Conference (Pvsc)		0	2017	1		1
TSA 78	H. Tsai, W. Y. Nie, Y. H. Lin, J. C. Blancon, S. Tretiak, J. Even, G. Gupta, P. M. Ajayan, A. D. Mohite	Effect of Precursor Solution Aging on the Crystallinity and Photovoltaic Performance of Perovskite Solar Cells	<i>Advanced Energy Materials</i>	21.875	109	2017	1		1
TUL 79	Tulaphol, S ; Phung, TK ; Hossain, MA ; Sun, N ; Prasomsri, T ; Renneckar, S ; Sathitsuksanoh, N	Industrial hemp for fuels and chemicals: From weed to wonder	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	0	2017	1		1
VIS 80	Vishnosky, N ; Mashuta, M ; Buchanan, R ; Grapperhaus, C	Syntheses, structures, and electrochemical studies of N, N'-bis(alkylthiocarbamate) butane-2,3-diamine Cu(II) complexes as pendant alkoxy derivatives of Cu(ATSM)	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	4	2017	1		1
VIS 81	Vishnosky, NS ; Mashuta, MS ; Buchanan, RM ; Grapperhaus, CA	Syntheses, structures, and electrochemical studies of N, N'-bis(alkylthiocarbamate) butane-2,3-diamine Cu(II) complexes as pendant alkoxy derivatives of Cu(ATSM)	INORGANICA CHIMICA ACTA	2.264	4	2017	1		1
WHI 82	White, RT ; Kumar, B ; Kumari, S ; Spurgeon, JM	Simulations of non-monolithic tandem solar cell configurations for electrolytic fuel generation	JOURNAL OF MATERIALS CHEMISTRY A	8.867	7	2017	1		1
YAM 83	Yamaguchi, H ; Liu, FZ ; DeFazio, J ; Villarrubia, CWN ; Finkenstadt, D ; Shabaev, A ; Jensen, KL ; Pavlenko, V ; Mehl, M ; Lambrakos, S ; Gupta, G ; Mohite, AD ; Moody, NA	Active bialkali photocathodes on free-standing graphene substrates	NPJ 2D MATERIALS AND APPLICATIONS	0	20	2017	1		1
ZHA 84	J. Zhang, J. J. Wu, H. Guo, W. B. Chen, J. T. Yuan, U. Martinez, G. Gupta, A. Mohite, P. M. Ajayan, J. Lou	Unveiling Active Sites for the Hydrogen Evolution Reaction on Monolayer Graphene	<i>Adv. Mater.</i> , 2017, 29, 2017	21.95	178	2017	1		1
ZHA 85	Zhang, WY ; Buchanan, R ; Grapperhaus, C	Translation of ligand-centered hydrogen evolution reaction activity and mechanism from homogeneous to solid surfaces	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	14.357	19	2017	1		1
ZHA 86	Zhang, WY ; Haddad, AZ ; Garabato, BD ; Kozowski, PM ; Buchanan, RM ; Grapperhaus, CA	Translation of Ligand-Centered Hydrogen Evolution Reaction Activity and Mechanism of a Rhenium-Thiolate from Solution to Modified Electrodes: A Combined Experimental and Density	INORGANIC CHEMISTRY	4.7	19	2017	1		1
ZHA 87	Zhao, R ; Akhtar, M ; Alruqi, A ; Dharmasena, R ; Jasinski, JB ; Thantrige, RM ; Sumanasekera, GU	Electrical transport properties of graphene nanowalls grown at low temperature using plasma enhanced chemical vapor deposition	MATERIALS RESEARCH EXPRESS	1.178	17	2017	1		1
ZIO 88	Ziolkowska, DA ; Jangam, JSD ; Rudakov, G ; Paronyan, TM ; Akhtar, M ; Sumanasekera, GU ; Jasinski, JB	Simple synthesis of highly uniform bilayer-carbon nanocages	CARBON	7.082	19	2017	1		1