

PUBLICATIONS BY YEAR		CONN CENTER STAFF & ASSOCIATED FACULTY		2009	4,547	2000		24	12	4	4	39
#	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	Adu, K. W., Q. X. Li, S. C. Desai, A. N. Sidorov, G. U. Sumanasekera, and A. D. Lueking	Morphological, Structural, and Chemical Effects in Response of Novel Carbide Derived Carbon Sensor to Nh3, N2o, and Air	Langmuir 25, no. 1 (Jan 6 2009): 582-88	4.095	21	2009				1	1
2	BER	Berfield, TA (Berfield, T. A.) [1] ; Carroll, JF (Carroll, J. F., III) [2] ; Payne, DA (Payne, D. A.) [3] ; Sottos, NR (Sottos, N. R.) [3]	Thermal strain measurement in sol-gel lead zirconate titanate thin films	JOURNAL OF APPLIED PHYSICS	2.228	11	2009	1				1
3	CAR	Carroll, S (Carroll, Susan) [1] ; Baldwin, RP (Baldwin, Richard P.) [1]	ANYL 220-Progress toward a smart sensing device for water quality detection	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	8.802	0	2009	1				1
4	CHA	Chakrapani, V (Chakrapani, Vidhya) [1] ; Thangala, J (Thangala, Jyothish) [1] ; Sunkara, MK (Sunkara, Mahendra K.) [1]	WO3 and W2N nanowire arrays for photoelectrochemical hydrogen production	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	4.432	239	2009		1			1
5	CHE	Chen, G., T. M. Paronyan, E. M. Pigos, G. U. Sumanasekera, and A. R. Harutyunyan	The Performance Volatility of Carbon Nanotube-Based Devices: Impact of Ambient Oxygen	Applied Physics Letters 95, no. 12 (Sep 21 2009)	3.982	8	2009				1	1
6	COP	Copic, D (Copic, Davor) [1] ; McNamara, S (McNamara, Shamus) [1]	Efficiency derivation for the Knudsen pump with and without thermal losses	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A	1.374	13	2009	1				1
7	CVE	Cvelbar, U (Cvelbar, U.) [1] ; Ostrikov, K (Ostrikov, K.) [2,3] ; Levchenko, I (Levchenko, I.) [2,3] ; Mozetic, M (Mozetic, M.) [1] ; Sunkara, MK (Sunkara, M. K.) [4]	Control of morphology and nucleation density of iron oxide nanostructures by electric conditions on iron surfaces exposed to reactive oxygen plasmas	APPLIED PHYSICS LETTERS	3.982	53	2009		1			1
8	DAS	Dasari, RK (Dasari, Rajesh K.) [1] ; Dunaway, K (Dunaway, Kyle) [1] ; Berson, RE (Berson, R. Eric) [1]	A Scraped Surface Bioreactor for Enzymatic Saccharification of Pretreated Corn Stover Slurries	ENERGY & FUELS	2.705	85	2009	1				1
9	DEB	Deb, B (Deb, B.) [1] ; Kumar, V (Kumar, V.) [2] ; Druffel, TL (Druffel, T. L.) [3] ; Sunkara, MK (Sunkara, M. K.) [2]	Functionalizing titania nanoparticle surfaces in a fluidized bed plasma reactor	NANOTECHNOLOGY	3.257	10	2009		1			1
10	DES	Deshmane, CA (Deshmane, Chinmay A.) [1] ; Jasinski, JB (Jasinski, Jacek B.) [2] ; Carreon, MA (Carreon, Moises A.) [1]	Thermally Stable Nanocrystalline Mesoporous Gallium Oxide Phases	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	2.992	17	2009	1			1	1
11	DUM	Dumpala, S (Dumpala, Santoshrupa) [2] ; Safir, A (Safir, Abdelliah) [3,4] ; Mudd, D (Mudd, David) [1] ; Cohn, RW (Cohn, Robert W.) [3,4] ; Sunkara, MK (Sunkara, Mahendra K.) [2] ; Sumanasekera, GU (Sumanasekera, Gamin U.) [1,3,4]	Controlled synthesis and enhanced field emission characteristics of conical carbon nanotubular arrays	DIAMOND AND RELATED MATERIALS	2.065	18	2009			1		1
12	GRA	Grapperhaus, CA (Grapperhaus, Craig A.) [1] ; Cui, JL (Cui, Jinlan) [1] ; Buchanan, RM (Buchanan, Robert M.) [1] ; Mashuta, MS (Mashuta, Mark S.) [1]	Supramolecular assembly of a dinuclear Ag(I) complex with discreet Ag2S2 centers	INORGANIC CHEMISTRY COMMUNICATIONS	2.083	1	2009	1				1
13	GUB	Gubbala, S (Gubbala, Suresh) [1] ; Russell, HB (Russell, Harry B.) [1] ; Shah, H (Shah, Hemant) [2] ; Deb, B (Deb, Biswapriya) [4] ; Jasinski, J (Jasinski, Jacek) [4] ; Rypkema, H (Rypkema, Heather) [3] ; Sunkara, MK (Sunkara, Mahendra K.) [1]	Surface properties of SnO2 nanowires for enhanced performance with dye-sensitized solar cells	ENERGY & ENVIRONMENTAL SCIENCE	4.852	137	2009		1	1		1
14	HAR	Harnett, CK (Harnett, C. K.) [1] ; Blumenthal, N (Blumenthal, N.) [1] ; Fox, JF (Fox, J. F.) [2] ; Pulugurtha, S (Pulugurtha, S.) [2] ; Hopf, KL (Hopf, K. L.) [3]	h Wireless sensor network for calibration and deployment of low-cost fluid flow-rate sensors	I2MTC: 2009 IEEE INSTRUMENTATION & MEASUREMENT TECHNOLOGY CONFERENCE, VOLS 1-3	N/A	2	2009	1				1
15	HAR	Harutyunyan, Avetik R.; Chen, Gugang; Paronyan, Tereza M.; Pigos, Elena M.; Kuznetsov, Oleg A.; Hewaparakrama, Kapila; Kim, Seung Min; Zakharov, Dmitri; Stach, Eric A.; Sumanasekera, Gamin U.	Preferential Growth of Single-Walled Carbon Nanotubes with Metallic Conductivity.	Science 326, no. 5949 (Oct 2 2009): 116-20	18.465	301	2009		1			1
16	HAY	Hay, AJ (Hay, Amy J.) [1] ; Rypkema, HA (Rypkema, Heather A.) [1] ; Sunkara, MK (Sunkara, Mahendra K.) [2]	Efficiency and photocurrent response studies of photoelectrochemical cells	ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY	8.802	0	2009		1	1		1
17	HON	Hong, XT (Hong, Xiaoting) [1] ; Willing, GA (Willing, Gerold A.) [1]	Transition Force Measurement between Two Negligibly Charged Surfaces: A New Perspective on Nanoparticle Halos	LANGMUIR	4.095	26	2009	1				1
18	KON	Kona, S (Kona, S.) [1] ; Kim, JH (Kim, J. H.) [2] ; Harnett, CK (Harnett, C. K.) [1] ; Sunkara, MK (Sunkara, M. K.) [2]	Carbon Nanotube Growth Studies Using an Atmospheric, Microplasma Reactor	IEEE TRANSACTIONS ON NANOTECHNOLOGY	2.167	13	2009		1	1		1
19	LEE	Lee, S (Lee, Sungwon) [1] ; Cummins, MD (Cummins, Matthew D.) [2] ; Willing, GA (Willing, Gerold A.) [2] ; Firestone, MA (Firestone, Millicent A.) [1]	Conductivity of ionic liquid-derived polymers with internal gold nanoparticle conduits	JOURNAL OF MATERIALS CHEMISTRY	5.03	27	2009	1				1
20	MED	Meduri, P (Meduri, Praveen) [1] ; Pendyala, C (Pendyala, Chandrashekhara) [1] ; Kumar, V (Kumar, Vivekanand) [1] ; Sumanasekera, GU (Sumanasekera, Gamin U.) [2] ; Sunkara, MK (Sunkara, Mahendra K.) [1]	Hybrid Tin Oxide Nanowires as Stable and High Capacity Anodes for Li-Ion Batteries	NANO LETTERS	9.991	401	2009		1			1

21	MOG	Mog, J., W. Kersten, M. M. Rahaman, M. Keskinen, T. J. Downs, S. M. Wahid, R. D. Martins, et al.	What Would Be the Three Key Preconditions for Jumpstarting or Scaling up the Transfer of Environmentally Sound Technologies for Climate Change to Developing Countries?	<i>Natural Resources Forum</i> 33, no. 4 (Nov 2009): 334-37	0.712		2009	1	1
22	MOH	Mohite, AD (Mohite, Aditya D.)(1] ; Santos, TS (Santos, Tiffany S.)(2] ; Moodera, JS (Moodera, Jagadeesh S.)(2] ; Alphenaar, BW (Alphenaar, Bruce W.)(1]	Observation of the triplet excitation in EuS-coated single-walled nanotubes	NATURE NANOTECHNOLOGY	15.049	43	2009	1	1
23	MUL	Mullins, CS (Mullins, Christopher S.)(1] ; Grapperhaus, CA (Grapperhaus, Craig A.)(1] ; Frye, BC (Frye, Brian C.)(1] ; Wood, LH (Wood, Larry H.)(1] ; Hay, AJ (Hay, Amy J.)(1] ; Buchanan, RM (Buchanan, Robert M.)(1] ; Mashuta, MS (Mashuta, Mark S.)(1]	Synthesis and Sulfur Oxygenation of a (N3S)Ni Complex Related to Nickel-Containing Superoxide Dismutase	INORGANIC CHEMISTRY	4.912	38	2009	1	1
24	PAI	Pai, RS (Pai, Rekha S.)(1] ; Walsh, KM (Walsh, Kevin M.)(1] ; Crain, MM (Crain, Mark M.)(1] ; Rousel, TJ (Rousel, Thomas J., Jr.)(2] ; Jackson, DJ (Jackson, Douglas J.)(1] ; Baldwin, RP (Baldwin, Richard P.)(3] ; Keynton, RS (Keynton, Robert S.)(2] ; Naber, JF (Naber, John F.)(1]	Fully Integrated Three-Dimensional Electrodes for Electrochemical Detection in Microchips: Fabrication, Characterization, and Applications	ANALYTICAL CHEMISTRY	3.055	44	2009	1	1
25	PAT	Patil, AC (Patil, Amita C.)(1] ; Fu, XA (Fu, Xiaonan)(2] ; Anupongongarch, C (Anupongongarch, Chompoonoot)(3] ; Mehregany, M (Mehregany, Mehran)(4] ; Garverick, SL (Garverick, Steven L.)(4]	6H-SiC JFETs for 450 degrees C Differential Sensing Applications	JOURNAL OF MICROELECTROMECHANICAL SYSTEMS	2.928	32	2009	1	1
26	RAT	Rathfon, JM (Rathfon, Jeremy M.)(1] ; Al-Badri, ZM (Al-Badri, Zoha M.)(1] ; Shunmugam, R (Shunmugam, Raja)(1] ; Berry, SM (Berry, Scott M.)(2,3] ; Pabba, S (Pabba, Santosh)(2,3] ; Keynton, RS (Keynton, Robert S.)(2,3] ; Cohn, RW (Cohn, Robert W.)(2,3] ; Tew, GN (Tew, Gregory N.)(1]	Fluorimetric Nerve Gas Sensing Based on Pyrene Imines Incorporated into Films and Sub-Micrometer Fibers	ADVANCED FUNCTIONAL MATERIALS	7.259	40	2009	1	1
27	REZ	Rezania, S (Rezania, Samin)(1] ; Ye, ZL (Ye, Zhuoliang)(1] ; Berson, RE (Berson, R. Eric)(1]	Enzymatic Saccharification and Viscosity of Sawdust Slurries Following Ultrasonic Particle Size Reduction	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY	1.517	23	2009	1	1
28	ROY	Roy, S (Roy, Santanu) ⁽¹⁾ ; Tuinenga, C (Tuinenga, Christopher) ⁽¹⁾ ; Fungura, F (Fungura, Fadzai) ⁽¹⁾ ; Dagtepe, P (Dagtepe, Pinar) ⁽¹⁾ ; Chikan, V (Chikan, Viktor) ⁽¹⁾ ; Jasinski, J (Jasinski, Jacek) ⁽²⁾	Progress toward Producing n-Type CdSe Quantum Dots: Tin and Indium Doped CdSe Quantum Dots	JOURNAL OF PHYSICAL CHEMISTRY C	4.357	56	2009	1	1
29	SID	Sidorov, A (Sidorov, Anton)(1] ; Mudd, D (Mudd, David)(1] ; Sumanasekera, G (Sumanasekera, Gamini)(1] ; Ouseph, PJ (Ouseph, P. J.)(1] ; Jayanthi, CS (Jayanthi, C. S.)(1] ; Wu, SY (Wu, Shi-Yu)(1]	Electrostatic deposition of graphene in a gaseous environment: a deterministic route for synthesizing rolled graphenes?	NANOTECHNOLOGY	3.257	51	2009	1	1
30	THA	Thangala, J (Thangala, J.)(1] ; Vaddiraju, S (Vaddiraju, S.)(1] ; Malhotra, S (Malhotra, S.)(1] ; Chakrapani, V (Chakrapani, V.)(1] ; Sunkara, MK (Sunkara, M. K.)(1]	A hot-wire chemical vapor deposition (HWCVD) method for metal oxide and their alloy nanowire arrays	THIN SOLID FILMS	1.981	22	2009	1	1
31	THA	Thangala, J (Thangala, Jyothish)(1] ; Chen, ZQ (Chen, Zhiqiang)(2] ; Chin, A (Chin, Alan)(3] ; Ning, CZ (Ning, Cun-Zheng)(3] ; Sunkara, MK (Sunkara, Mahendra K.)(1]	Phase Transformation Studies of Metal Oxide Nanowires	CRYSTAL GROWTH & DESIGN	4.317	31	2009	1	1
32	TIA	Tian, WQ (Tian, Wei Quan)(1,2] ; Yu, M (Yu, Ming)(2] ; Leahy, C (Leahy, Chris)(2] ; Jayanthi, CS (Jayanthi, Chakram S.)(2] ; Wu, SY (Wu, Shi-Yu)(2]	The Self-Consistent and Environment-Dependent Hamiltonian and Its Application to Carbon Nanoparticles	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	0.972	17	2009	1	1
33	YAM	Yamarthy, C (Yamarthy, Chakravarthy)(1] ; McNamara, S (McNamara, Shamus)(1]	Design of a MEMS Sensor to Detect the Casimir Force	2009 4TH IEEE INTERNATIONAL CONFERENCE ON NANO/MICRO ENGINEERED AND MOLECULAR SYSTEMS, VOLS 1 AND 2	N/A	5	2009	1	1
34	YAM	Yamarthy, C (Yamarthy, Chakravarthy)(1] ; Pharas, K (Pharas, Kunal)(1] ; Schultz, A (Schultz, Alexander)(1] ; McNamara, S (McNamara, Shamus)(1]	PNEUMATIC PUMPING OF LIQUIDS USING THERMAL TRANSPIRATION FOR LAB-ON-A-CHIP APPLICATIONS	2009 IEEE SENSORS, VOLS 1-3	2.307	18	2009	1	1
35	YOK	Yokel, Robert A.; Florence, Rebecca L.; Unrine, Jason M.; Tseng, Michael T.; Graham, Uschi M.; Sultana, Rukhsana; Butterfield, D. Allan; Wu, Peng; Grulke, Eric	Biodistribution and toxicity of systemically-introduced ceria engineered nanomaterial	Abstracts of Papers of the American Chemical Society	8.802	1	2009	1	1
36	YOK	Yokel, Robert A.; Florence, Rebecca L.; Unrine, Jason M.; Tseng, Michael T.; Graham, Uschi M.; Wu, Peng; Grulke, Eric A.; Sultana, Rukhsana; Hardas, Sarita S.; Butterfield, D. Allan	Biodistribution and oxidative stress effects of a systemically-introduced commercial ceria engineered nanomaterial	Nanotoxicology	5.74	116	2009	1	1
37	YU	Yu, M (Yu, M.)(1] ; Chaudhuri, I (Chaudhuri, I.)(1] ; Leahy, C (Leahy, C.)(1] ; Wu, SY (Wu, S. Y.)(1] ; Jayanthi, CS (Jayanthi, C. S.)(1]	Energetics, relative stabilities, and size-dependent properties of nanosized carbon clusters of different families: Fullerenes, bucky-diamond, icosahedral, and bulk-truncated structures	JOURNAL OF CHEMICAL PHYSICS	3.063	34	2009	1	1
38	YU	Yu, M (Yu, Ming)(1] ; Wu, SY (Wu, S. Y.)(1] ; Jayanthi, CS (Jayanthi, C. S.)(1]	A self-consistent and environment-dependent Hamiltonian for large-scale simulations of complex nanostructures	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	1.265	32	2009	1	1
39	ZHA	Zhang, SY (Zhang, Shengyong)(1] ; Prater, G (Prater, Glen, Jr.)(1]	A study of the effect of elastic instability on stiffness-based gauge sensitivity indices for vehicle body structure assessment	THIN-WALLED STRUCTURES	1.357	14	2009	1	1