Congjun Wang

List of Publications by Year
in descending order

29 papers	3,192 citations	361413 20 h-index	642732 23 g-index
30 all docs	30 docs citations	30 times ranked	5417 citing authors

#	Article	IF	Citations
1	Edge-Enhanced Oxygen Evolution Reactivity at Ultrathin, Au-Supported Fe₂O₃ Electrocatalysts. ACS Catalysis, 2019, 9, 5375-5382.	11.2	46
2	Highly Active and Stable Carbon Nanosheets Supported Iron Oxide for Fischerâ€Tropsch to Olefins Synthesis. ChemCatChem, 2019, 11, 1625-1632.	3.7	8
3	Understanding three-dimensionally interconnected porous oxide-derived copper electrocatalyst for selective carbon dioxide reduction. Journal of Materials Chemistry A, 2019, 7, 27576-27584.	10.3	21
4	Selective Electrocatalytic Reduction of CO₂ into CO at Small, Thiol-Capped Au/Cu Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 27991-28000.	3.1	44
5	Virtual Special Issue on Catalysis at the U.S. Department of Energyâ€™s National Laboratories. ACS Catalysis, 2016, 6, 3227-3235.	11.2	2
6	Plasmonic Photocatalysts. World Scientific Series in Nanoscience and Nanotechnology, 2016, , 117-153.	0.1	0
7	Electrocatalytic Oxygen Evolution with an Atomically Precise Nickel Catalyst. ACS Catalysis, 2016, 6, 1225-1234.	11.2	104
8	Quantum Dots for Visible-Light Photocatalytic CO2 Reduction. , 2015, , 269-295.		1
9	Inverting Transient Absorption Data to Determine Transfer Rates in Quantum Dotâ€“TiO₂ Heterostructures. Journal of Physical Chemistry C, 2015, 119, 6337-6343.	3.1	24
10	Synthesis, characterization, and photocatalytic activity of Auâ€“ZnO nanopyramids. Journal of Materials Chemistry A, 2015, 3, 15141-15147.	10.3	45
11	Novel sensing materials for harsh environment subsurface pH sensing applications. , 2015, , .		1
12	Novel silica surface charge density mediated control of the optical properties of embedded optically active materials and its application for fiber optic pH sensing at elevated temperatures. Nanoscale, 2015, 7, 2527-2535.	5.6	25
13	Plasmonic nanocomposite thin film enabled fiber optic sensors for simultaneous gas and temperature sensing at extreme temperatures. Nanoscale, 2013, 5, 9030.	5.6	79
14	Visible light plasmonic heating of Auâ€“ZnO for the catalytic reduction of CO2. Nanoscale, 2013, 5, 6968.	5.6	139
15	Plasmonic transparent conducting metal oxide nanoparticles and nanoparticle films for optical sensing applications. Thin Solid Films, 2013, 539, 327-336.	1.8	43
16	In-situ and ex-situ characterization of TiO2 and Au nanoparticle incorporated TiO2 thin films for optical gas sensing at extreme temperatures. Journal of Applied Physics, 2012, 111, .	2.5	63
17	In Situ Observation of Water Dissociation with Lattice Incorporation at FeO Particle Edges Using Scanning Tunneling Microscopy and X-ray Photoelectron Spectroscopy. Langmuir, 2011, 27, 2146-2149.	3.5	38
18	Size-dependent photocatalytic reduction of CO2 with PbS quantum dot sensitized TiO2 heterostructured photocatalysts. Journal of Materials Chemistry, 2011, 21, 13452.	6.7	196

#	Article	IF	Citations
19	Thin Films of Single-Walled Carbon Nanotubes for Flexible Electronic Device Applications. , 2010, , 105-128.		0
20	Visible Light Photoreduction of CO₂ Using CdSe/Pt/TiO₂ Heterostructured Catalysts. Journal of Physical Chemistry Letters, 2010, 1, 48-53.	4.6	321
21	Reactivity Differences of Nanocrystals and Continuous Films of Î±-Fe₂O₃ on Au(111) Studied with In Situ X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 22619-22623.	3.1	31
22	Intraband Spectroscopy and Dynamics of Colloidal Semiconductor Quantum Dots. , 2010, , 133-145.		3
23	Medium-scale carbon nanotube thin-film integrated circuits on flexible plastic substrates. Nature, 2008, 454, 495-500.	27.8	1,059
24	Synthesis of linked carbon monolayers: Films, balloons, tubes, and pleated sheets. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7353-7358.	7.1	57
25	PbSe Nanocrystal/TiO_x Heterostructured Films:â€‰ A Simple Route to Nanoscale Heterointerfaces and Photocatalysis. Journal of Physical Chemistry C, 2007, 111, 11734-11741.	3.1	47
26	Insights on Charge Transfer Doping and Intrinsic Phonon Line Shape of Carbon Nanotubes by Simple Polymer Adsorption. Journal of the American Chemical Society, 2006, 128, 7522-7530.	13.7	68
27	Electronically Selective Chemical Functionalization of Carbon Nanotubes:Â Correlation between Raman Spectral and Electrical Responses. Journal of the American Chemical Society, 2005, 127, 11460-11468.	13.7	110
28	Interband and Intraband Optical Studies of PbSe Colloidal Quantum Dots. Journal of Physical Chemistry B, 2002, 106, 10634-10640.	2.6	617
29	Comparison of single-walled carbon nanotube transistors fabricated by dielectrophoresis and CVD growth. , 0, , .		0