

Congjun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

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	Medium-scale carbon nanotube thin-film integrated circuits on flexible plastic substrates. <i>Nature</i> , 2008, 454, 495-500.	27.8	1,059
2	Interband and Intraband Optical Studies of PbSe Colloidal Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10634-10640.	2.6	617
3	Visible Light Photoreduction of CO ₂ Using CdSe/Pt/TiO ₂ Heterostructured Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 48-53.	4.6	321
4	Size-dependent photocatalytic reduction of CO ₂ with PbS quantum dot sensitized TiO ₂ heterostructured photocatalysts. <i>Journal of Materials Chemistry</i> , 2011, 21, 13452.	6.7	196
5	Visible light plasmonic heating of Au@ZnO for the catalytic reduction of CO ₂ . <i>Nanoscale</i> , 2013, 5, 6968.	5.6	139
6	Electronically Selective Chemical Functionalization of Carbon Nanotubes: A Correlation between Raman Spectral and Electrical Responses. <i>Journal of the American Chemical Society</i> , 2005, 127, 11460-11468.	13.7	110
7	Electrocatalytic Oxygen Evolution with an Atomically Precise Nickel Catalyst. <i>ACS Catalysis</i> , 2016, 6, 1225-1234.	11.2	104
8	Plasmonic nanocomposite thin film enabled fiber optic sensors for simultaneous gas and temperature sensing at extreme temperatures. <i>Nanoscale</i> , 2013, 5, 9030.	5.6	79
9	Insights on Charge Transfer Doping and Intrinsic Phonon Line Shape of Carbon Nanotubes by Simple Polymer Adsorption. <i>Journal of the American Chemical Society</i> , 2006, 128, 7522-7530.	13.7	68
10	In-situ and ex-situ characterization of TiO ₂ and Au nanoparticle incorporated TiO ₂ thin films for optical gas sensing at extreme temperatures. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	63
11	Synthesis of linked carbon monolayers: Films, balloons, tubes, and pleated sheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7353-7358.	7.1	57
12	PbSe Nanocrystal/TiO _x Heterostructured Films: A Simple Route to Nanoscale Heterointerfaces and Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11734-11741.	3.1	47
13	Edge-Enhanced Oxygen Evolution Reactivity at Ultrathin, Au-Supported Fe ₂ O ₃ Electro-catalysts. <i>ACS Catalysis</i> , 2019, 9, 5375-5382.	11.2	46
14	Synthesis, characterization, and photocatalytic activity of Au@ZnO nanopyramids. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15141-15147.	10.3	45
15	Selective Electrocatalytic Reduction of CO ₂ into CO at Small, Thiol-Capped Au/Cu Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27991-28000.	3.1	44
16	Plasmonic transparent conducting metal oxide nanoparticles and nanoparticle films for optical sensing applications. <i>Thin Solid Films</i> , 2013, 539, 327-336.	1.8	43
17	In Situ Observation of Water Dissociation with Lattice Incorporation at FeO Particle Edges Using Scanning Tunneling Microscopy and X-ray Photoelectron Spectroscopy. <i>Langmuir</i> , 2011, 27, 2146-2149.	3.5	38
18	Reactivity Differences of Nanocrystals and Continuous Films of Fe ₂ O ₃ on Au(111) Studied with In Situ X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22619-22623.	3.1	31

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19	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. <i>Nanoscale</i> , 2015, 7, 2527-2535.	5.6	25
20	Inverting Transient Absorption Data to Determine Transfer Rates in Quantum Dot TiO ₂ Heterostructures. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6337-6343.	3.1	24
21	Understanding three-dimensionally interconnected porous oxide-derived copper electrocatalyst for selective carbon dioxide reduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27576-27584.	10.3	21
22	Highly Active and Stable Carbon Nanosheets Supported Iron Oxide for Fischer-Tropsch to Olefins Synthesis. <i>ChemCatChem</i> , 2019, 11, 1625-1632.	3.7	8
23	Intraband Spectroscopy and Dynamics of Colloidal Semiconductor Quantum Dots. , 2010, , 133-145.		3
24	Virtual Special Issue on Catalysis at the U.S. Department of Energy's National Laboratories. <i>ACS Catalysis</i> , 2016, 6, 3227-3235.	11.2	2
25	Quantum Dots for Visible-Light Photocatalytic CO ₂ Reduction. , 2015, , 269-295.		1
26	Novel sensing materials for harsh environment subsurface pH sensing applications. , 2015, , .		1
27	Comparison of single-walled carbon nanotube transistors fabricated by dielectrophoresis and CVD growth. , 0, , .		0
28	Thin Films of Single-Walled Carbon Nanotubes for Flexible Electronic Device Applications. , 2010, , 105-128.		0
29	Plasmonic Photocatalysts. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2016, , 117-153.	0.1	0