

Qiao Chen

List of Publications by Year in descending order

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52
papers

1,491
citations

331670

21
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315739

38
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all docs

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docs citations

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times ranked

2473
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of sulfonated polyethersulfone ultrafiltration membranes with an excellent antifouling performance by impregnating with polysulfopropyl acrylate coated ZnO nanoparticles. <i>Environmental Technology and Innovation</i> , 2022, 25, 102210.	6.1	15
2	CTAB Enhanced Room-Temperature Detection of NO ₂ Based on MoS ₂ -Reduced Graphene Oxide Nanohybrid. <i>Nanomaterials</i> , 2022, 12, 1300.	4.1	8
3	Magnetic enhancement for the analysis of scintillation crystals by radio frequency glow discharge mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 932-937.	3.0	0
4	Adsorptive performance of tetracarboxylic acid-modified magnetic silica nanocomposite for recoverable efficient removal of toxic Cd(II) from aqueous environment: Equilibrium, isotherm, and reusability studies. <i>Journal of Molecular Liquids</i> , 2021, 334, 116069.	4.9	17
5	Dramatic Maturing Effects on All Inorganic CsPbBr ₃ Perovskite Solar Cells under Different Storage Conditions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19642-19652.	3.1	5
6	Photocatalytic Degradation of Methylene Blue and Antibacterial Activity of Mesoporous TiO ₂ -SBA-15 Nanocomposite Based on Rice Husk. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-12.	3.2	8
7	Goethite and Hematite Hybrid Nanosheet-Decorated YZnO NRs for Efficient Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1673-1683.	3.1	6
8	Larmor Precession: Observation and Utilization for Boosting the Signal Intensity of Radio Frequency Glow Discharge Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 9528-9535.	6.5	6
9	Solar Cells with High Short Circuit Currents Based on CsPbBr ₃ Perovskite-Modified ZnO Nanorod Composites. <i>ACS Applied Nano Materials</i> , 2020, 3, 5676-5686.	5.0	11
10	Hematite coated, conductive Y doped ZnO nanorods for high efficiency solar water splitting. <i>Nanotechnology</i> , 2020, 31, 265403.	2.6	13
11	Oximation reaction induced reduced graphene oxide gas sensor for formaldehyde detection. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 364-373.	5.2	13
12	Transparent conductive oxides in photoanodes for solar water oxidation. <i>Nanoscale Advances</i> , 2020, 2, 626-632.	4.6	19
13	Yttrium-Doped ZnO Nanorod Arrays for Increased Charge Mobility and Carrier Density for Enhanced Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18187-18197.	3.1	31
14	A Ternary PEDOT-TiO ₂ -Reduced Graphene Oxide Nanocomposite for Supercapacitor Applications. <i>Macromolecular Research</i> , 2019, 27, 867-875.	2.4	9
15	Defect-Rich ZnO Nanorod Arrays for Efficient Solar Water Splitting. <i>ACS Applied Nano Materials</i> , 2019, 2, 1570-1578.	5.0	39
16	Development and application of a porous cage carrier method for detecting trace elements in soils by direct current glow discharge mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2244-2251.	3.0	2
17	Electron induced nanoscale engineering of rutile TiO ₂ surfaces. <i>Nanotechnology</i> , 2019, 30, 025303.	2.6	6
18	Agglomerated novel spray-dried lactose-leucine tailored as a carrier to enhance the aerosolization performance of salbutamol sulfate from DPI formulations. <i>Drug Delivery and Translational Research</i> , 2018, 8, 1769-1780.	5.8	36

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19	Signal Enhancement with Stacked Magnets for High-Resolution Radio Frequency Glow Discharge Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 1382-1388.	6.5	6
20	Ultra rapid direct heating synthesis of ZnO nanorods with improved light trapping from stacked photoanodes for high efficiency photocatalytic water splitting. <i>Nanotechnology</i> , 2017, 28, 355402.	2.6	11
21	An enhanced gas ionization sensor from Y-doped vertically aligned conductive ZnO nanorods. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 724-732.	7.8	32
22	Enhanced photoelectrochemical water oxidation by Zn _x MyO (M=Ni, Co, K, Na) nanorod arrays. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 123-131.	7.1	29
23	Solution processed flexible hybrid cell for concurrently scavenging solar and mechanical energies. <i>Nano Energy</i> , 2015, 16, 301-309.	16.0	45
24	Thickness control in electrophoretic deposition of WO ₃ nanofiber thin films for solar water splitting. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 202, 39-45.	3.5	39
25	Marangoni ring-templated vertically aligned ZnO nanotube arrays with enhanced photocatalytic hydrogen production. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 12-16.	4.0	25
26	Tuning enantioselectivity in asymmetric hydrogenation of acetophenone and its derivatives via confinement effect over free-standing mesoporous palladium network catalysts. <i>Journal of Catalysis</i> , 2014, 313, 113-126.	6.2	22
27	Directed neurite growth of rat dorsal root ganglion neurons and increased colocalization with Schwann cells on aligned poly(methyl methacrylate) electrospun nanofibers. <i>Brain Research</i> , 2014, 1565, 18-27.	2.2	28
28	Synthesis and catalytic activity of pluronic stabilized silver-gold bimetallic nanoparticles. <i>RSC Advances</i> , 2014, 4, 52279-52288.	3.6	65
29	Electrospinning of poly(methyl methacrylate) nanofibers in a pump-free process. <i>Journal of Polymer Engineering</i> , 2013, 33, 453-461.	1.4	12
30	Mechanistic Investigation of Seeded Growth in Triblock Copolymer Stabilized Gold Nanoparticles. <i>Langmuir</i> , 2013, 29, 3903-3911.	3.5	9
31	Kinetics of Gold Nanoparticle Formation Facilitated by Triblock Copolymers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4431-4441.	3.1	24
32	Fluorescence of commercial Pluronic F127 samples: Temperature-dependent micellization. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 662-669.	9.4	37
33	Electron traps and their effect on the surface chemistry of TiO ₂ (110). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2391-2396.	7.1	264
34	The influence of hydroxide on the initial stages of anodic growth of TiO ₂ nanotubular arrays. <i>Nanotechnology</i> , 2010, 21, 505601.	2.6	21
35	Optical Properties of Perylene Thin Films on Cu(110). <i>Journal of Physical Chemistry C</i> , 2010, 114, 6062-6066.	3.1	8
36	The adsorption with chiral structure of fluorene-1-carboxylic acid molecules on Cu(110) surface. <i>Chemical Physics Letters</i> , 2008, 452, 275-280.	2.6	6

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37	Coverage dependence of the structure of tetracene on Ag(110). Journal of Physics Condensed Matter, 2008, 20, 315010.	1.8	9
38	Study on the interaction between tetracene and Cu(110) surface. Journal of Chemical Physics, 2007, 127, 224709.	3.0	21
39	Study of the initial adsorption state of tetracene on. Journal of Physics Condensed Matter, 2007, 19, 296202.	1.8	3
40	Electronic structures of CuPc on a Ag(110) surface. Journal of Physics Condensed Matter, 2007, 19, 136002.	1.8	21
41	Low-Dimensional, Reduced Phases of Ultrathin TiO ₂ . ACS Nano, 2007, 1, 409-414.	14.6	29
42	Growth and Reactivity of Titanium Oxide Ultrathin Films on Ni(110). Journal of Physical Chemistry C, 2007, 111, 7704-7710.	3.1	33
43	Thickness Dependent Behavior of Photoluminescence of Tris(8-hydroxyquinoline) Aluminum Film. Chinese Journal of Chemical Physics, 2006, 19, 152-154.	1.3	2
44	STM study of large organic molecules adsorption on Si(100)-2 × 1. Physica Status Solidi (B): Basic Research, 2004, 241, 2353-2357.	1.5	15
45	Physical studies of chiral surfaces. Annual Reports on the Progress of Chemistry Section C, 2004, 100, 313-347.	4.4	21
46	Surface faceting induced by adsorbates. Progress in Surface Science, 2003, 73, 59-77.	8.3	134
47	Dehydrogenation induced phase transitions of p-aminobenzoic acid on Cu(110). Journal of Chemical Physics, 2002, 116, 460-470.	3.0	7
48	Self-Assembly of Adenine on Cu(110) Surfaces. Langmuir, 2002, 18, 3219-3225.	3.5	152
49	Combined STM, HREELS and ab initio study of the adsorption of uracil on Si(100)-2 × 1. Surface and Interface Analysis, 2002, 33, 441-446.	1.8	25
50	The Influence of Boryl Substituents on the Formation and Reactivity of Adjacent and Vicinal Free Radical Centers. Journal of the American Chemical Society, 2000, 122, 5455-5463.	13.7	83
51	Nanofibers - A Simple and Practical Way Forward for Air Pollution Abatement. Materials Science Forum, 0, 756, 225-230.	0.3	2
52	Enhanced Photoelectrochemical Water Splitting of Hydrothermally-Grown ZnO and Yttrium-doped ZnO NR Arrays. IOP Conference Series: Materials Science and Engineering, 0, 454, 012033.	0.6	7