

Qiao Chen

List of Publications by Year in descending order

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52
papers

1,491
citations

331670

21
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

2473
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron traps and their effect on the surface chemistry of TiO ₂ (110). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2391-2396.	7.1	264
2	Self-Assembly of Adenine on Cu(110) Surfaces. Langmuir, 2002, 18, 3219-3225.	3.5	152
3	Surface faceting induced by adsorbates. Progress in Surface Science, 2003, 73, 59-77.	8.3	134
4	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
5	Synthesis and catalytic activity of pluronic stabilized silver-gold bimetallic nanoparticles. RSC Advances, 2014, 4, 52279-52288.	3.6	65
6	Solution processed flexible hybrid cell for concurrently scavenging solar and mechanical energies. Nano Energy, 2015, 16, 301-309.	16.0	45
7	Thickness control in electrophoretic deposition of WO ₃ nanofiber thin films for solar water splitting. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 202, 39-45.	3.5	39
8	Defect-Rich ZnO Nanorod Arrays for Efficient Solar Water Splitting. ACS Applied Nano Materials, 2019, 2, 1570-1578.	5.0	39
9	Fluorescence of commercial Pluronic F127 samples: Temperature-dependent micellization. Journal of Colloid and Interface Science, 2011, 354, 662-669.	9.4	37
10	Agglomerated novel spray-dried lactose-leucine tailored as a carrier to enhance the aerosolization performance of salbutamol sulfate from DPI formulations. Drug Delivery and Translational Research, 2018, 8, 1769-1780.	5.8	36
11	Growth and Reactivity of Titanium Oxide Ultrathin Films on Ni(110). Journal of Physical Chemistry C, 2007, 111, 7704-7710.	3.1	33
12	An enhanced gas ionization sensor from Y-doped vertically aligned conductive ZnO nanorods. Sensors and Actuators B: Chemical, 2016, 237, 724-732.	7.8	32
13	Yttrium-Doped ZnO Nanorod Arrays for Increased Charge Mobility and Carrier Density for Enhanced Solar Water Splitting. Journal of Physical Chemistry C, 2019, 123, 18187-18197.	3.1	31
14	Low-Dimensional, Reduced Phases of Ultrathin TiO ₂ . ACS Nano, 2007, 1, 409-414.	14.6	29
15	Enhanced photoelectrochemical water oxidation by Zn _x MyO (M=Ni, Co, K, Na) nanorod arrays. International Journal of Hydrogen Energy, 2016, 41, 123-131.	7.1	29
16	Directed neurite growth of rat dorsal root ganglion neurons and increased colocalization with Schwann cells on aligned poly(methyl methacrylate) electrospun nanofibers. Brain Research, 2014, 1565, 18-27.	2.2	28
17	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
18	Marangoni ring-templated vertically aligned ZnO nanotube arrays with enhanced photocatalytic hydrogen production. Materials Chemistry and Physics, 2015, 149-150, 12-16.	4.0	25

#	ARTICLE	IF	CITATIONS
19	Kinetics of Gold Nanoparticle Formation Facilitated by Triblock Copolymers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4431-4441.	3.1	24
20	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
21	Physical studies of chiral surfaces. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2004, 100, 313-347.	4.4	21
22	Study on the interaction between tetracene and Cu(110) surface. <i>Journal of Chemical Physics</i> , 2007, 127, 224709.	3.0	21
23	Electronic structures of CuPc on a Ag(110) surface. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 136002.	1.8	21
24	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
25	Transparent conductive oxides in photoanodes for solar water oxidation. <i>Nanoscale Advances</i> , 2020, 2, 626-632.	4.6	19
26	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
27	STM study of large organic molecules adsorption on Si(100)-2 × 1. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 2353-2357.	1.5	15
28	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
29	Hematite coated, conductive Y doped ZnO nanorods for high efficiency solar water splitting. <i>Nanotechnology</i> , 2020, 31, 265403.	2.6	13
30	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
31	Electrospinning of poly(methyl methacrylate) nanofibers in a pump-free process. <i>Journal of Polymer Engineering</i> , 2013, 33, 453-461.	1.4	12
32	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
33	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
34	Coverage dependence of the structure of tetracene on Ag(110). <i>Journal of Physics Condensed Matter</i> , 2008, 20, 315010.	1.8	9
35	Mechanistic Investigation of Seeded Growth in Triblock Copolymer Stabilized Gold Nanoparticles. <i>Langmuir</i> , 2013, 29, 3903-3911.	3.5	9
36	A Ternary PEDOT-TiO ₂ -Reduced Graphene Oxide Nanocomposite for Supercapacitor Applications. <i>Macromolecular Research</i> , 2019, 27, 867-875.	2.4	9

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37	Optical Properties of Perylene Thin Films on Cu(110). Journal of Physical Chemistry C, 2010, 114, 6062-6066.	3.1	8
38	Photocatalytic Degradation of Methylene Blue and Antibacterial Activity of Mesoporous TiO ₂ -SBA-15 Nanocomposite Based on Rice Husk. Adsorption Science and Technology, 2021, 2021, 1-12.	3.2	8
39	CTAB Enhanced Room-Temperature Detection of NO ₂ Based on MoS ₂ -Reduced Graphene Oxide Nanohybrid. Nanomaterials, 2022, 12, 1300.	4.1	8
40	Dehydrogenation induced phase transitions of p-aminobenzoic acid on Cu(110). Journal of Chemical Physics, 2002, 116, 460-470.	3.0	7
41	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
42	The adsorption with chiral structure of fluorene-1-carboxylic acid molecules on Cu(110) surface. Chemical Physics Letters, 2008, 452, 275-280.	2.6	6
43	Signal Enhancement with Stacked Magnets for High-Resolution Radio Frequency Glow Discharge Mass Spectrometry. Analytical Chemistry, 2017, 89, 1382-1388.	6.5	6
44	Electron induced nanoscale engineering of rutile TiO ₂ surfaces. Nanotechnology, 2019, 30, 025303.	2.6	6
45	Larmor Precession: Observation and Utilization for Boosting the Signal Intensity of Radio Frequency Glow Discharge Mass Spectrometry. Analytical Chemistry, 2020, 92, 9528-9535.	6.5	6
46	Goethite and Hematite Hybrid Nanosheet-Decorated YZnO NRs for Efficient Solar Water Splitting. Journal of Physical Chemistry C, 2021, 125, 1673-1683.	3.1	6
47	Dramatic Maturing Effects on All Inorganic CsPbBr ₃ Perovskite Solar Cells under Different Storage Conditions. Journal of Physical Chemistry C, 2021, 125, 19642-19652.	3.1	5
48	Study of the initial adsorption state of tetracene on. Journal of Physics Condensed Matter, 2007, 19, 296202.	1.8	3
49	Thickness Dependent Behavior of Photoluminescence of Tris(8-hydroxyquinoline) Aluminum Film. Chinese Journal of Chemical Physics, 2006, 19, 152-154.	1.3	2
50	Nanofibers - A Simple and Practical Way Forward for Air Pollution Abatement. Materials Science Forum, 0, 756, 225-230.	0.3	2
51	Development and application of a porous cage carrier method for detecting trace elements in soils by direct current glow discharge mass spectrometry. Journal of Analytical Atomic Spectrometry, 2019, 34, 2244-2251.	3.0	2
52	Magnetic enhancement for the analysis of scintillation crystals by radio frequency glow discharge mass spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 932-937.	3.0	0