

Meng Chen

List of Publications by Year in descending order

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49
papers

1,965
citations

331670

21
h-index

243625

44
g-index

49
all docs

49
docs citations

49
times ranked

3279
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Nanoparticles Capped by Oleylamine: Formation, Growth, and Self-Organization. <i>Langmuir</i> , 2007, 23, 5296-5304.	3.5	347
2	Preparation of water-dispersible porous g-C ₃ N ₄ with improved photocatalytic activity by chemical oxidation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3309-3315.	2.8	260
3	Synthesis of rod-, twinrod-, and tetrapod-shaped CdS nanocrystals using a highly oriented solvothermal recrystallization technique. <i>Journal of Materials Chemistry</i> , 2002, 12, 748-753.	6.7	192
4	Preparation and Study of Polyacrylamide-Stabilized Silver Nanoparticles through a One-Pot Process. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11224-11231.	2.6	144
5	Templateless Infrared Heating Process for Fabricating Carbon Nitride Nanorods with Efficient Photocatalytic H ₂ Evolution. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25162-25170.	8.0	90
6	Large-scale synthesis and self-organization of silver nanoparticles with Tween 80 as a reductant and stabilizer. <i>Nanoscale Research Letters</i> , 2012, 7, 612.	5.7	69
7	Reducing Properties of Polymers in the Synthesis of Noble Metal Nanoparticles. <i>Polymer Reviews</i> , 2013, 53, 240-276.	10.9	69
8	New complete assignment of X-ray powder diffraction patterns in graphitic carbon nitride using discrete Fourier transform and direct experimental evidence. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26072-26084.	2.8	69
9	Redox Induced Fluorescence On/Off Switching Based on Nitrogen Enriched Graphene Quantum Dots for Formaldehyde Detection and Bioimaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1708-1716.	6.7	66
10	In situ synthesis of polymetallic Co-doped g-C ₃ N ₄ photocatalyst with increased defect sites and superior charge carrier properties. <i>Carbon</i> , 2017, 117, 1-11.	10.3	65
11	Synthesis, Study, and Discrete Dipole Approximation Simulation of Ag-Au Bimetallic Nanostructures. <i>Nanoscale Research Letters</i> , 2016, 11, 209.	5.7	35
12	Preparation and Characterization of Metal Sulfides in Ethylenediamine under Ambient Conditions through a γ -Irradiation Route. <i>Journal of Colloid and Interface Science</i> , 2001, 237, 47-53.	9.4	32
13	Synthesis and self-organization of soluble monodisperse palladium nanoclusters. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 146-151.	9.4	31
14	Element-doped graphitic carbon nitride: confirmation of doped elements and applications. <i>Nanoscale Advances</i> , 2021, 3, 4370-4387.	4.6	27
15	Ultrasensitive Na ⁺ exchanging performance of free-standing Fe ₃ O ₄ @Na ₂ Ti ₃ O ₇ nanosheets indicated by fluorescein. <i>Journal of Materials Chemistry</i> , 2010, 20, 2322.	6.7	26
16	AgCl/Au/g-C ₃ N ₄ ternary composites: Efficient photocatalysts for degradation of anionic dyes. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159266.	5.5	26
17	A novel two-step radiation route to PbSe crystalline nanorods. <i>Journal of Materials Chemistry</i> , 2001, 11, 518-520.	6.7	24
18	Study of palladium nanoparticles prepared from water-in-oil microemulsion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 281, 119-124.	4.7	24

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19	Simulated optical properties of noble metallic nanopolyhedra with different shapes and structures. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	23
20	Synthesis of short CdS nanofiber/poly(styrene-alt-maleic anhydride) composites using γ -irradiation. <i>Journal of Materials Chemistry</i> , 2000, 10, 329-332.	6.7	22
21	Comparative studies between synthetic routes of SiO ₂ @Au composite nanoparticles. <i>Materials Research Bulletin</i> , 2007, 42, 1457-1467.	5.2	21
22	Morphology-controllable synthesis of ZnO nano-micro-structures by a solvothermal process in ethanol solution. <i>Crystal Research and Technology</i> , 2013, 48, 947-955.	1.3	21
23	High-sensitive bioorthogonal SERS tag for live cancer cell imaging by self-assembling core-satellites structure gold-silver nanocomposite. <i>Talanta</i> , 2017, 172, 176-181.	5.5	21
24	Electrochemically Driven Generation of Manganese(IV,V)-oxo Multiporphyrin Arrays and Their Redox Properties with Manganese(III) Species in Langmuir-Blodgett Films. <i>Langmuir</i> , 2008, 24, 13490-13495.	3.5	20
25	Pd(II)-Mediated Triad Multilayers with Zinc Tetrapyrrolylporphyrin and Pyridine-Functionalized Nano-TiO ₂ as Linkers: Assembly, Characterization, and Photocatalytic Properties. <i>Langmuir</i> , 2012, 28, 7711-7719.	3.5	20
26	Fabrication of multiporphyrin@g-C ₃ N ₄ nanocomposites via Pd(II)-directed layer-by-layer assembly for enhanced visible-light photocatalytic activity. <i>Applied Surface Science</i> , 2019, 478, 1027-1036.	6.1	18
27	Coordination polymer nanocombs self-assembled at the water-chloroform interface. <i>New Journal of Chemistry</i> , 2007, 31, 1007-1012.	2.8	17
28	Terpyridine-Functionalized NanoSiO ₂ Multi-Dentate Linkers: Preparation, Characterization and Luminescent Properties of Their Metal-Organic Hybrid Materials. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2234-2242.	3.1	16
29	Synthesis and mechanistic study of stable water-soluble noble metal nanostructures. <i>Nanotechnology</i> , 2011, 22, 285601.	2.6	14
30	Hyaluronan/Tween 80-assisted synthesis of silver nanoparticles for biological application. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	14
31	Fabrication, characterization, electrochemistry, and redox-induced electrochromism of viologen-functionalized silica core-shell nano-composites. <i>Electrochimica Acta</i> , 2017, 251, 562-572.	5.2	14
32	Bifunctional rhenium-copper nanostructures for intensified and stable ethanol synthesis via hydrogenation of dimethyl oxalate. <i>Catalysis Science and Technology</i> , 2020, 10, 3175-3180.	4.1	13
33	pH-Dependent shape changes of water-soluble CdS nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	12
34	Fabrication of multi-pyridine functionalized carbon nanotubes as versatile coordination nano-linkers. <i>RSC Advances</i> , 2014, 4, 5678.	3.6	10
35	Fabrication of carbon nanotube-multiporphyrin array composites as light-sensitizer for photocurrent generation, photochromism of viologen and catalytic degradation of methyl orange. <i>New Journal of Chemistry</i> , 2018, 42, 17216-17226.	2.8	10
36	Preparation, characterization and electrochemistry of viologen-functionalized carbon nanotubes in the casting films and layer-by-layer multilayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 953-960.	4.7	9

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37	Fabrication, electrochemical and electrocatalytic properties of carbon nanotube@nano-SiO ₂ BenV/phosphomolybdic acid polynary nanocomposite materials. Applied Surface Science, 2017, 408, 68-76.	6.1	9
38	Immobilization of hydrogenase on carbon nanotube polyelectrolytes as heterogeneous catalysts for electrocatalytic interconversion of protons and hydrogen. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	8
39	Interfacial Self-Assembly of Closely Packed Nanoparticle Arrays of Silica@Multiporphyrin Hybrids as Light-Sensitizers for Dye Degradation and Viologen Photochromism. Chemistry - an Asian Journal, 2019, 14, 3035-3045.	3.3	8
40	A Novel Virus Detection Strategy Enabled by TR512-Peptide-Based Bioorthogonal Capture and Enrichment of Preamplified Nucleic Acid. Analytical Chemistry, 2022, 94, 5591-5598.	6.5	8
41	Exploitation of the synergistic effect between surface and bulk defects in ultra-small N-doped titanium suboxides for enhancing photocatalytic hydrogen evolution. Catalysis Science and Technology, 2018, 8, 5515-5525.	4.1	7
42	Bimetallic Pd(μ -terpyridine)/Fe(μ -terpyridine)-mediated self-assembly of three-dimensional hybrid multilayers with a terpyridine-contained poly(vinylpyridine) derivative as a linker on substrate surface. RSC Advances, 2012, 2, 241-249.	3.6	6
43	Interfacial self-assembly of bipyridyl-functionalized nanoSiO ₂ -BPy@Ln(β -diketone) _n composites and their luminescent properties. Journal of Luminescence, 2018, 203, 277-285.	3.1	6
44	Silver(I)-directed growth of metal-organic complex nanocrystals with bidentate ligands of hydroquinine anthraquinone-1,4-diyl diethers as linkers at the water-chloroform interface. Nanoscale Research Letters, 2014, 9, 488.	5.7	5
45	Facile synthesis of terminal-alkyne bioorthogonal molecules for live-cell surface-enhanced Raman scattering imaging through Au-core and silver/dopamine-shell nanotags. Analytical and Bioanalytical Chemistry, 2018, 410, 2203-2210.	3.7	5
46	Dehydration of Long-Chain α -Alcohols to Linear α -Olefins Using Sodium-Modified γ -Al ₂ O ₃ . Industrial & Engineering Chemistry Research, 2020, 59, 4388-4396.	3.7	5
47	Pd(II)-Directed Encapsulation of Hydrogenase within the Layer-by-Layer Multilayers of Carbon Nanotube Polyelectrolyte Used as a Heterogeneous Catalyst for Oxidation of Hydrogen. Langmuir, 2015, 31, 6546-6553.	3.5	4
48	Fabrication, electrochemical and catalytic properties of the nanocomposites composed of phosphomolybdic acid and viologen-functionalized multi-walled carbon nanotubes. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	2
49	Electrochemical properties of hydrogenase on glass carbon electrodes modified with carbon nanotubes. Nanobiotechnology, 2006, 2, 135-141.	1.2	1