

Yihua Zhu

List of Publications by Year in descending order

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199
papers

13,990
citations

26567

56
h-index

22764

112
g-index

201
all docs

201
docs citations

201
times ranked

19707
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene quantum dots: emergent nanolights for bioimaging, sensors, catalysis and photovoltaic devices. <i>Chemical Communications</i> , 2012, 48, 3686.	2.2	1,845
2	Facile preparation and upconversion luminescence of graphene quantum dots. <i>Chemical Communications</i> , 2011, 47, 2580-2582.	2.2	734
3	Preparation of graphene-TiO ₂ composites with enhanced photocatalytic activity. <i>New Journal of Chemistry</i> , 2011, 35, 353-359.	1.4	538
4	Cobalt nanoparticles embedded in N-doped carbon as an efficient bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>Nanoscale</i> , 2014, 6, 15080-15089.	2.8	509
5	One-pot hydrothermal synthesis of graphene quantum dots surface-passivated by polyethylene glycol and their photoelectric conversion under near-infrared light. <i>New Journal of Chemistry</i> , 2012, 36, 97-101.	1.4	460
6	Transition metals (Fe, Co, and Ni) encapsulated in nitrogen-doped carbon nanotubes as bi-functional catalysts for oxygen electrode reactions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1694-1701.	5.2	460
7	A novel hydrogen peroxide biosensor based on Au-graphene-HRP-chitosan biocomposites. <i>Electrochimica Acta</i> , 2010, 55, 3055-3060.	2.6	358
8	Carbon dots as fluorescent probes for sensitive detection of Cu ²⁺ and L-cysteine in aqueous solution. <i>Biosensors and Bioelectronics</i> , 2014, 51, 330-335.	5.3	278
9	Synthesis of photoluminescent carbogenic dots using mesoporous silica spheres as nanoreactors. <i>Chemical Communications</i> , 2011, 47, 764-766.	2.2	273
10	Iron Carbide Nanoparticles Encapsulated in Mesoporous Fe-N-Doped Graphene-Like Carbon Hybrids as Efficient Bifunctional Oxygen Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21511-21520.	4.0	262
11	Enriched graphitic N-doped carbon-supported Fe ₃ O ₄ nanoparticles as efficient electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7281-7287.	5.2	235
12	Rapid degradation of methylene blue in a novel heterogeneous Fe ₃ O ₄ @rGO@TiO ₂ -catalyzed photo-Fenton system. <i>Scientific Reports</i> , 2015, 5, 10632.	1.6	186
13	In situ assembly of graphene sheets-supported SnS ₂ nanoplates into 3D macroporous aerogels for high-performance lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 237, 178-186.	4.0	182
14	Nitrogen and Phosphorus Dual-Doped Hierarchical Porous Carbon Foams as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reactions. <i>Chemistry - A European Journal</i> , 2014, 20, 3106-3112.	1.7	179
15	Supercapacitor electrode materials with hierarchically structured pores from carbonization of MWCNTs and ZIF-8 composites. <i>Nanoscale</i> , 2017, 9, 2178-2187.	2.8	179
16	Highly efficient reusable catalyst based on silicon nanowire arrays decorated with copper nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9040.	5.2	170
17	One-pot preparation of graphene/Fe ₃ O ₄ composites by a solvothermal reaction. <i>New Journal of Chemistry</i> , 2010, 34, 2950.	1.4	154
18	Hollow mesoporous NiCo ₂ O ₄ nanocages as efficient electrocatalysts for oxygen evolution reaction. <i>Dalton Transactions</i> , 2015, 44, 4148-4154.	1.6	151

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19	Electric Papers of Graphene-Coated Co ₃ O ₄ Fibers for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 997-1002.	4.0	145
20	Room-Temperature Synthesis of Mn-Doped Cesium Lead Halide Quantum Dots with High Mn Substitution Ratio. Journal of Physical Chemistry Letters, 2017, 8, 4167-4171.	2.1	139
21	CsPbBr ₃ Perovskite Quantum Dots-Based Monolithic Electrospun Fiber Membrane as an Ultrastable and Ultrasensitive Fluorescent Sensor in Aqueous Medium. Journal of Physical Chemistry Letters, 2016, 7, 4253-4258.	2.1	137
22	Multifunctional Magnetic Composite Microspheres with in Situ Growth Au Nanoparticles: A Highly Efficient Catalyst System. Journal of Physical Chemistry C, 2011, 115, 1614-1619.	1.5	132
23	Flexible 3D porous CuO nanowire arrays for enzymeless glucose sensing: in situ engineered versus ex situ piled. Nanoscale, 2015, 7, 559-569.	2.8	131
24	Dispersed CuO Nanoparticles on a Silicon Nanowire for Improved Performance of Nonenzymatic H ₂ O ₂ Detection. ACS Applied Materials & Interfaces, 2014, 6, 7055-7062.	4.0	123
25	Electrocatalytic Oxidation of Glucose by the Glucose Oxidase Immobilized in Graphene@Au@Nafion Biocomposite. Electroanalysis, 2010, 22, 259-264.	1.5	122
26	Ultrasound-Triggered Smart Drug Release from Multifunctional Core-Shell Capsules One-Step Fabricated by Coaxial Electro Spray Method. Langmuir, 2011, 27, 1175-1180.	1.6	119
27	Enhanced visible light photocatalytic activity of interlayer-isolated triplex Ag@SiO ₂ @TiO ₂ core-shell nanoparticles. Nanoscale, 2013, 5, 3359.	2.8	119
28	Activated nitrogen-doped carbon nanofibers with hierarchical pore as efficient oxygen reduction reaction catalyst for microbial fuel cells. Journal of Power Sources, 2014, 266, 36-42.	4.0	113
29	Tailored graphene-encapsulated mesoporous Co ₃ O ₄ composite microspheres for high-performance lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 17278.	6.7	112
30	Dynamically Formed Surfactant Assembly at the Electrified Electrode-Electrolyte Interface Boosting CO ₂ Electroreduction. Journal of the American Chemical Society, 2022, 144, 6613-6622.	6.6	106
31	CoP nanoparticles anchored on N,P-dual-doped graphene-like carbon as a catalyst for water splitting in non-acidic media. Nanoscale, 2018, 10, 2603-2612.	2.8	96
32	2D nanosheets-based novel architectures: Synthesis, assembly and applications. Nano Today, 2016, 11, 483-520.	6.2	95
33	A Highly Efficient Catalyst toward Oxygen Reduction Reaction in Neutral Media for Microbial Fuel Cells. Industrial & Engineering Chemistry Research, 2013, 52, 6076-6082.	1.8	93
34	Multifunctional Fe ₃ O ₄ @Ag/SiO ₂ /Au Core-Shell Microspheres as a Novel SERS-Activity Label via Long-Range Plasmon Coupling. Langmuir, 2013, 29, 690-695.	1.6	92
35	2D Photonic Crystal Hydrogel Sensor for Tear Glucose Monitoring. ACS Omega, 2018, 3, 3211-3217.	1.6	87
36	Iron oxide containing graphene/carbon nanotube based carbon aerogel as an efficient E-Fenton cathode for the degradation of methyl blue. Electrochimica Acta, 2016, 200, 75-83.	2.6	86

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37	Spray-Assisted Coil-Globule Transition for Scalable Preparation of Water-Resistant CsPbBr ₃ @PMMA Perovskite Nanospheres with Application in Live Cell Imaging. <i>Small</i> , 2018, 14, e1803156.	5.2	85
38	Highly dual-doped multilayer nanoporous graphene: efficient metal-free electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12642-12645.	5.2	83
39	Multimetallic Ni-Mo/Cu nanowires as nonprecious and efficient full water splitting catalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4207-4214.	5.2	83
40	Amperometric glutamate biosensor based on self-assembling glutamate dehydrogenase and dendrimer-encapsulated platinum nanoparticles onto carbon nanotubes. <i>Talanta</i> , 2007, 73, 438-443.	2.9	80
41	Upconversion fluorescent strip sensor for rapid determination of <i>Vibrio anguillarum</i> . <i>Nanoscale</i> , 2014, 6, 3804-3809.	2.8	79
42	3D nitrogen-doped graphene foams embedded with ultrafine TiO ₂ nanoparticles for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11124.	5.2	78
43	Graphene/carbon-coated Fe ₃ O ₄ nanoparticle hybrids for enhanced lithium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2361-2369.	5.2	78
44	Biosensor Based on Self-Assembling Glucose Oxidase and Dendrimer-Encapsulated Pt Nanoparticles on Carbon Nanotubes for Glucose Detection. <i>Electroanalysis</i> , 2007, 19, 717-722.	1.5	77
45	Perovskite quantum dots encapsulated in electrospun fiber membranes as multifunctional supersensitive sensors for biomolecules, metal ions and pH. <i>Nanoscale Horizons</i> , 2017, 2, 225-232.	4.1	77
46	Preparation and Application of Mediator-Free H ₂ O ₂ Biosensors of Graphene-Fe ₃ O ₄ Composites. <i>Electroanalysis</i> , 2011, 23, 862-869.	1.5	75
47	Preparation and characterization of core-shell monodispersed magnetic silica microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 231, 123-129.	2.3	74
48	Multifunctional Fe ₃ O ₄ @TiO ₂ @Au magnetic microspheres as recyclable substrates for surface-enhanced Raman scattering. <i>Nanoscale</i> , 2014, 6, 5971-5979.	2.8	71
49	Microwave-solvothermal synthesis of Fe ₃ O ₄ magnetic nanoparticles. <i>Materials Letters</i> , 2013, 107, 23-26.	1.3	68
50	In-situ SERS monitoring of reaction catalyzed by multifunctional Fe ₃ O ₄ @TiO ₂ @Ag-Au microspheres. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 11-18.	10.8	67
51	Immobilization of horseradish peroxidase in three-dimensional macroporous TiO ₂ matrices for biosensor applications. <i>Electrochimica Acta</i> , 2009, 54, 2823-2827.	2.6	65
52	Metal-enhanced fluorescence of carbon dots adsorbed Ag@SiO ₂ core-shell nanoparticles. <i>RSC Advances</i> , 2012, 2, 1765.	1.7	63
53	In Situ Loading of Cu ₂ O Active Sites on Island-like Copper for Efficient Electrochemical Reduction of Nitrate to Ammonia. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6680-6688.	4.0	62
54	Amperometric biosensor based on carbon nanotubes coated with polyaniline/dendrimer-encapsulated Pt nanoparticles for glucose detection. <i>Materials Science and Engineering C</i> , 2009, 29, 1306-1310.	3.8	60

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55	Hierarchical interconnected macro-/mesoporous Co-containing N-doped carbon for efficient oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12074.	5.2	59
56	Hierarchical porous iron and nitrogen co-doped carbons as efficient oxygen reduction electrocatalysts in neutral media. <i>Journal of Power Sources</i> , 2014, 265, 246-253.	4.0	59
57	Photocatalytic and antibacterial properties of Au-decorated Fe ₃ O ₄ @mTiO ₂ core-shell microspheres. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 314-322.	10.8	58
58	Plasmon-enhanced efficient dye-sensitized solar cells using core-shell-structured $\text{TiO}_2\text{-NaYF}_4\text{:Yb,Er@SiO}_2\text{@Au}$ nanocomposites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16523-16530.	5.2	57
59	Synthesis of Magnetite Nanoparticles by Precipitation with Forced Mixing. <i>Journal of Nanoparticle Research</i> , 1999, 1, 393-396.	0.8	56
60	Boosting water oxidation electrocatalysts with surface engineered amorphous cobalt hydroxide nanoflakes. <i>Nanoscale</i> , 2018, 10, 12991-12996.	2.8	55
61	Highly stable CsPbBr ₃ @SiO ₂ nanocomposites prepared <i>via</i> confined condensation for use as a luminescent ink. <i>Chemical Communications</i> , 2018, 54, 8064-8067.	2.2	53
62	Local structure tuning in Fe-N-C catalysts through support effect for boosting CO ₂ electroreduction. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118960.	10.8	53
63	Sensitive Biosensors Based on (Dendrimer Encapsulated Pt Nanoparticles)/Enzyme Multilayers. <i>Electroanalysis</i> , 2007, 19, 698-703.	1.5	52
64	Self-assembled CNTs/CdS/dehydrogenase hybrid-based amperometric biosensor triggered by photovoltaic effect. <i>Biosensors and Bioelectronics</i> , 2008, 24, 319-323.	5.3	52
65	A Glucose Biosensor Based on Immobilization of Glucose Oxidase into 3D Macroporous TiO ₂ . <i>Electroanalysis</i> , 2008, 20, 2223-2228.	1.5	50
66	Ultrasensitive and recyclable SERS substrate based on Au-decorated Si nanowire arrays. <i>Dalton Transactions</i> , 2013, 42, 14324.	1.6	50
67	Tracking structural evolution: <i>operando</i> regenerative CeOx/Bi interface structure for high-performance CO ₂ electroreduction. <i>National Science Review</i> , 2021, 8, nwaa187.	4.6	50
68	Photoluminescence enhancement of carbon dots by gold nanoparticles conjugated via PAMAM dendrimers. <i>Nanoscale</i> , 2013, 5, 11200.	2.8	49
69	Porous CoS nanosheets coated by N and S doped carbon shell on graphene foams for free-standing and flexible lithium ion battery anodes: Influence of void spaces, shell and porous nanosheet. <i>Electrochimica Acta</i> , 2018, 271, 242-251.	2.6	48
70	Biodistribution study of carbogenic dots in cells and in vivo for optical imaging. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	47
71	Gold-coated silica-fiber hybrid materials for application in a novel hydrogen peroxide biosensor. <i>Biosensors and Bioelectronics</i> , 2012, 34, 132-136.	5.3	47
72	Au decorated Fe ₃ O ₄ @TiO ₂ magnetic composites with visible light-assisted enhanced catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2015, 5, 50454-50461.	1.7	47

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73	Three-dimensionally grown thorn-like Cu nanowire arrays by fully electrochemical nanoengineering for highly enhanced hydrazine oxidation. <i>Nanoscale</i> , 2016, 8, 5810-5814.	2.8	47
74	Magnetic composite microspheres with exposed {001} faceted TiO ₂ shells: a highly active and selective visible-light photocatalyst. <i>Journal of Materials Chemistry</i> , 2012, 22, 13341.	6.7	46
75	An enhanced biosensor for glutamate based on self-assembled carbon nanotubes and dendrimer-encapsulated platinum nanobiocomposites-doped polypyrrole film. <i>Analytica Chimica Acta</i> , 2007, 597, 145-150.	2.6	45
76	Tailored anisotropic magnetic conductive film assembled from graphene-encapsulated multifunctional magnetic composite microspheres. <i>Journal of Materials Chemistry</i> , 2012, 22, 545-550.	6.7	45
77	Sculpturing metal foams toward bifunctional 3D copper oxide nanowire arrays for pseudo-capacitance and enzyme-free hydrogen peroxide detection. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8734-8741.	5.2	45
78	Preparation of CsPbBr ₃ @PS composite microspheres with high stability by electrospraying. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7971-7975.	2.7	45
79	Designed synthesis of graphene@TiO ₂ @SnO ₂ ternary nanocomposites as lithium-ion anode materials. <i>New Journal of Chemistry</i> , 2013, 37, 3671.	1.4	44
80	Multifunctional MnO ₂ nanosheet-modified Fe ₃ O ₄ @SiO ₂ /NaYF ₄ :Yb, Er nanocomposites as novel drug carriers. <i>Dalton Transactions</i> , 2014, 43, 451-457.	1.6	44
81	Photoelectrochemical glucose biosensor incorporating CdS nanoparticles. <i>Particuology</i> , 2009, 7, 347-352.	2.0	42
82	A novel catalyst based on electrospun silver-doped silica fibers with ribbon morphology. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 303-310.	5.0	42
83	Dendrimer-encapsulated Pt nanoparticles/polyaniline nanofibers for glucose detection. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1802-1807.	1.3	41
84	Photoluminescent carbon-nitrogen quantum dots as efficient electrocatalysts for oxygen reduction. <i>Nanoscale</i> , 2015, 7, 2003-2008.	2.8	41
85	Pyrolysis of conjugated nanoporous polycarbazoles to mesoporous N-doped carbon nanotubes as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4507-4512.	5.2	41
86	(PAH/PSS) ₅ microcapsules templated on silica core: Encapsulation of anticancer drug DOX and controlled release study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 264, 49-54.	2.3	38
87	Electrocatalytic activity of Pt doped TiO ₂ nanotubes catalysts for glucose determination. <i>Journal of Alloys and Compounds</i> , 2010, 500, 247-251.	2.8	38
88	Photonic crystal pH and metal cation sensors based on poly(vinyl alcohol) hydrogel. <i>New Journal of Chemistry</i> , 2012, 36, 1051.	1.4	37
89	Ethanol-assisted multi-sensitive poly(vinyl alcohol) photonic crystal sensor. <i>Chemical Communications</i> , 2011, 47, 5530-5532.	2.2	36
90	Synergistic Effect of Platinum Single Atoms and Nanoclusters Boosting Electrocatalytic Hydrogen Evolution. <i>CCS Chemistry</i> , 2021, 3, 2539-2547.	4.6	36

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91	A polymer-coated template-confinement CsPbBr ₃ perovskite quantum dot composite. <i>Nanoscale</i> , 2021, 13, 6586-6591.	2.8	34
92	Facile and controllable fabrication of three-dimensionally quasi-ordered macroporous TiO ₂ for high performance lithium-ion battery applications. <i>New Journal of Chemistry</i> , 2013, 37, 1578.	1.4	33
93	Atomically dispersed Au catalysts supported on CeO ₂ foam: controllable synthesis and CO oxidation reaction mechanism. <i>Nanoscale</i> , 2017, 9, 16817-16825.	2.8	33
94	Physically Controlled Cross-Linking in Gelated Crystalline Colloidal Array Photonic Crystals. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1499-1504.	4.0	32
95	Multifunctional gadolinium-labeled silica-coated Fe ₃ O ₄ and CuInS ₂ nanoparticles as a platform for in vivo tri-modality magnetic resonance and fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2873-2882.	2.9	32
96	Aerosol synthesis of Graphene-Fe ₃ O ₄ hollow hybrid microspheres for heterogeneous Fenton and electro-Fenton reaction. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2469-2476.	3.3	32
97	Halide Ion Intercalated Electrodeposition Synthesis of Co ₃ O ₄ Nanosheets with Tunable Pores on Graphene Foams as Free-Standing and Flexible Li-Ion Battery Anodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 1239-1251.	2.5	31
98	Preparation and characterization of photocatalytic carbon dots-sensitized electrospun titania nanostructured fibers. <i>Materials Research Bulletin</i> , 2013, 48, 232-237.	2.7	30
99	Synthesis of CdSe nanoparticles into the pores of mesoporous silica microspheres. <i>Acta Materialia</i> , 2008, 56, 1144-1150.	3.8	29
100	Synthesis of monodisperse water-stable surface Pb-rich CsPbCl ₃ nanocrystals for efficient photocatalytic CO ₂ reduction. <i>Nanoscale</i> , 2020, 12, 11842-11846.	2.8	29
101	Morphology and structure of nanosized TiO ₂ particles synthesized by gas-phase reaction. <i>Materials Chemistry and Physics</i> , 2000, 66, 51-57.	2.0	28
102	Dendrimer-encapsulated Pt nanoparticles on mesoporous silica for glucose detection. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 511-517.	1.2	28
103	Demonstration of Photoluminescence and Metal-Enhanced Fluorescence of Exfoliated MoS ₂ . <i>ChemPhysChem</i> , 2012, 13, 699-702.	1.0	28
104	Solvent-assisted poly(vinyl alcohol) gelated crystalline colloidal array photonic crystals. <i>Soft Matter</i> , 2011, 7, 915-921.	1.2	27
105	Multifunctional gadolinium-labeled silica-coated core/shell quantum dots for magnetic resonance and fluorescence imaging of cancer cells. <i>RSC Advances</i> , 2014, 4, 20641-20648.	1.7	27
106	Synthesis of CsPbBr ₃ perovskite nanocrystals with the sole ligand of protonated (3-aminopropyl)triethoxysilane. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7201-7206.	2.7	27
107	In situ synthesis of sulfide-coated polystyrene composites for the fabrication of photonic crystals. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 130-136.	5.0	26
108	Fabrication and characterization of mesoporous TiO ₂ /polypyrrole-based nanocomposite for electrorheological fluid. <i>Materials Research Bulletin</i> , 2008, 43, 3263-3269.	2.7	26

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109	Nitrogen-doped Fe ₃ C@C particles as an efficient heterogeneous photo-assisted Fenton catalyst. RSC Advances, 2017, 7, 15168-15175.	1.7	26
110	Tuning Optical Properties of Lead-Free 2D Tin-Based Perovskites with Carbon Chain Spacers. Journal of Physical Chemistry C, 2019, 123, 31279-31285.	1.5	26
111	Impacts on carbon dioxide electroreduction of cadmium sulfides via continuous surface sulfur vacancy engineering. Chemical Communications, 2020, 56, 563-566.	2.2	26
112	CoO nanosheets derived from electrodeposited cobalt metal towards high performance lithium ion batteries. Electrochimica Acta, 2016, 222, 1300-1307.	2.6	25
113	Multiwalled Carbon Nanotubes Incorporated with Dendrimer Encapsulated with Pt Nanoparticles: An Attractive Material for Sensitive Biosensors. Chemistry Letters, 2006, 35, 326-327.	0.7	24
114	ENFET glucose biosensor produced with mesoporous silica microspheres. Materials Science and Engineering C, 2007, 27, 736-740.	3.8	24
115	Prolonged release performance of perfume encapsulated by tailoring mesoporous silica spheres. Flavour and Fragrance Journal, 2008, 23, 29-34.	1.2	24
116	Effective Singlet Oxygen Generation in Silica-Coated CsPbBr ₃ Quantum Dots through Energy Transfer for Photocatalysis. ChemSusChem, 2020, 13, 682-687.	3.6	24
117	Gold/mesoporous silica-fiber core-shell hybrid nanostructure: a potential electron transfer mediator in a bio-electrochemical system. New Journal of Chemistry, 2010, 34, 2166.	1.4	23
118	Facile synthesis of upconversion luminescent mesoporous Y ₂ O ₃ :Er microspheres and metal enhancement using gold nanoparticles. RSC Advances, 2012, 2, 10592.	1.7	23
119	Solar-assisted dual chamber microbial fuel cell with a CuInS ₂ photocathode. RSC Advances, 2014, 4, 23790-23796.	1.7	23
120	Layered Confinement Reaction: Atomic-Level Dispersed Iron-Nitrogen Co-Doped Ultrathin Carbon Nanosheets for CO ₂ Electroreduction. ChemSusChem, 2019, 12, 2644-2650.	3.6	23
121	Stretch induced photoluminescence enhanced perovskite quantum dot polymer composites. Journal of Materials Chemistry C, 2020, 8, 1413-1420.	2.7	23
122	Characterization of SnO ₂ films deposited by d.c. gas discharge activating reaction evaporation onto amorphous and crystalline substrates. Thin Solid Films, 1993, 224, 82-86.	0.8	22
123	Electrorheological behavior of urea-doped mesoporous TiO ₂ suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 280, 71-75.	2.3	22
124	Amperometric glucose biosensor based on platinum nanoparticle encapsulated with a clay. Mikrochimica Acta, 2010, 171, 233-239.	2.5	22
125	Multifunctional manganese-doped core-shell quantum dots for magnetic resonance and fluorescence imaging of cancer cells. New Journal of Chemistry, 2013, 37, 3076.	1.4	22
126	Mn-doped 2D Sn-based perovskites with energy transfer from self-trapped excitons to dopants for warm white light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 8502-8506.	2.7	22

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127	Highly dispersed secondary building unit-stabilized binary metal center on a hierarchical porous carbon matrix for enhanced oxygen evolution reaction. <i>Nanoscale</i> , 2021, 13, 1213-1219.	2.8	22
128	Tailoring charge transfer in perovskite quantum dots/black phosphorus nanosheets photocatalyst via aromatic molecules. <i>Applied Surface Science</i> , 2021, 545, 149012.	3.1	22
129	Electrochemical synthesis of magnetic nanoparticles within mesoporous silica microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 294, 287-291.	2.3	21
130	ENFET glucose biosensor produced with dendrimer encapsulated Pt nanoparticles. <i>Materials Science and Engineering C</i> , 2008, 28, 1236-1241.	3.8	21
131	Carbon nanotubes coated with platinum nanoparticles as anode of biofuel cell. <i>Particuology</i> , 2012, 10, 450-455.	2.0	21
132	Photoelectrochemical Detection of H_2O_2 Based on Flower-Like $CuInS_2$ -Graphene Hybrid. <i>Electroanalysis</i> , 2014, 26, 573-580.	1.5	21
133	Electrorheological behavior of copper phthalocyanine-doped mesoporous TiO_2 suspensions. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 499-503.	5.0	20
134	$CsPbBr_3$ quantum dots photodetectors boosting carrier transport via molecular engineering strategy. <i>Nano Research</i> , 2021, 14, 4038-4045.	5.8	20
135	Properties of Dendrimer-Encapsulated Pt Nanoparticles Doped Polypyrrole Composite Films and Their Electrocatalytic Activity for Glucose Oxidation. <i>Electroanalysis</i> , 2007, 19, 1677-1682.	1.5	19
136	Mesoporous Silica Spheres as Microreactors for Performing CdS Nanocrystal Synthesis. <i>Crystal Growth and Design</i> , 2008, 8, 4494-4498.	1.4	19
137	Confined growth of CuO , NiO , and Co_3O_4 nanocrystals in mesoporous silica (MS) spheres. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2970-2975.	2.8	19
138	Microbial fuel cell cathode with dendrimer encapsulated Pt nanoparticles as catalyst. <i>Journal of Power Sources</i> , 2011, 196, 10611-10615.	4.0	19
139	Dynamic determination of Cu^{+} roles for CO_2 reduction on electrochemically stable Cu_2O -based nanocubes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8459-8465.	5.2	19
140	A novel strategy for the aqueous synthesis of down-/up-conversion nanocomposites for dual-modal cell imaging and drug delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8372-8377.	2.9	18
141	A proton-responsive ensemble using mesocellular foam supports capped with N,O-carboxymethyl chitosan for controlled release of bioactive proteins. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2281-2285.	2.9	18
142	Performance optimization in dye-sensitized solar cells with $\lambda^2-NaYF_4:Yb^{3+},Er^{3+}@SiO_2@TiO_2$ mesoporous microspheres as multi-functional photoanodes. <i>Electrochimica Acta</i> , 2016, 211, 92-100.	2.6	18
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