

Min Zhang

List of Publications by Year in descending order

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104
papers

3,444
citations

147801

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161849

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104
all docs

104
docs citations

104
times ranked

3192
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of PPy@MoS ₂ hollow microtubes for removal of cationic and anionic dyes in water treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127765.	4.7	4
2	Simultaneous detection of dual biomarkers using hierarchical MoS ₂ nanostructuring and nano-signal amplification-based electrochemical aptasensor toward accurate diagnosis of prostate cancer. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113797.	10.1	70
3	MoO ₃ -templated synthesis of TiO ₂ @C-Ni microtubes for efficient catalysis and protein adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 636, 128167.	4.7	6
4	Copper-Based Nanocatalysts with SiO ₂ and Carbon Dual-Layer Coatings and Metallic Ni/CuNi Decoration toward Highly Efficient Nitroaromatics Reduction. <i>Inorganic Chemistry</i> , 2022, 61, 1717-1727.	4.0	8
5	Facile strategy for the synthesis of silver nanoparticles on magnetic Fe ₃ O ₄ @C core-shell nanocomposites and their application in catalytic reduction. <i>Dalton Transactions</i> , 2022, 51, 3170-3179.	3.3	6
6	Rational design, synthesis, and applications of carbon-assisted dispersive Ni-based composites. <i>CrystEngComm</i> , 2022, 24, 912-921.	2.6	14
7	<i>In Situ</i> Construction of Co-MoS ₂ /Pd Nanosheets on Polypyrrole-Derived Nitrogen-Doped Carbon Microtubes as Multifunctional Catalysts with Enhanced Catalytic Performance. <i>Inorganic Chemistry</i> , 2022, 61, 542-553.	4.0	37
8	Metal-Nanoparticle-Supported Nanozyme-Based Colorimetric Sensor Array for Precise Identification of Proteins and Oral Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11156-11166.	8.0	37
9	In Site Generation of Well-Dispersed Ag ₃ PO ₄ NPs on Protein-Inorganic Hybrid Nanoflowers with Enhanced Catalytic Performance. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
10	Modulating the Biomimetic and Fluorescence Quenching Activities of Metal-Organic Framework/Platinum Nanoparticle Composites and Their Applications in Molecular Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21677-21686.	8.0	17
11	Coupled nickel-cobalt nanoparticles/N,P,S-co-doped carbon hybrid nanocages with high performance for catalysis and protein adsorption. <i>Dalton Transactions</i> , 2022, 51, 9030-9038.	3.3	4
12	Facile Synthesis of MOF-Derived One-Dimensional Nitrogen-Doped Carbon/Ni Composites and their Application as Catalysts and Protein Adsorbents. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0
13	Facile fabrication of ultrafine CoNi alloy nanoparticles supported on hexagonal N-doped carbon/Al ₂ O ₃ nanosheets for efficient protein adsorption and catalysis. <i>CrystEngComm</i> , 2022, 24, 5226-5233.	2.6	3
14	Flexible and functional SiO ₂ nanofibers immobilized with nickel nanoparticles for nanocatalysis and protein adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129380.	4.7	0
15	Electronically regulated FeOOH/c-NiMoO ₄ with hierarchical sandwich structure as efficient electrode for oxygen evolution and hybrid supercapacitors. <i>Electrochimica Acta</i> , 2022, 427, 140884.	5.2	12
16	Promotion effects of halloysite nanotubes on catalytic activity of Co ₃ O ₄ nanoparticles toward reduction of 4-nitrophenol and organic dyes. <i>Journal of Hazardous Materials</i> , 2021, 403, 123870.	12.4	86
17	A facile template method to fabricate one-dimensional Fe ₃ O ₄ @SiO ₂ /C/Ni microtubes with efficient catalytic and adsorption performance. <i>CrystEngComm</i> , 2021, 23, 7517-7524.	2.6	10
18	Fe doped MoS ₂ /polypyrrole microtubes towards efficient peroxidase mimicking and colorimetric sensing application. <i>Dalton Transactions</i> , 2021, 50, 15380-15388.	3.3	17

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19	Keratin-inorganic hybrid nanoflowers decorated with Fe ₃ O ₄ nanoparticles as enzyme mimics for colorimetric detection of glucose. Dalton Transactions, 2021, 50, 14753-14761.	3.3	10
20	Sandwich-type electrochemical immunosensor for CEA detection using magnetic hollow Ni/C@SiO ₂ nanomatrix and boronic acid functionalized CPS@PANI@Au probe. Talanta, 2021, 225, 122006.	5.5	51
21	Construction of Bio-Nano Interfaces on Nanozymes for Bioanalysis. ACS Applied Materials & Interfaces, 2021, 13, 21040-21050.	8.0	25
22	Controllable Compositions and Structures of Fe _x O _y @SiO ₂ @C-Ni Hybrids with a Silica Layer as a Mineral Redox Buffer. Inorganic Chemistry, 2021, 60, 8880-8889.	4.0	22
23	Copper (II) Ion-Modified Gold Nanoclusters as Peroxidase Mimetics for the Colorimetric Detection of Pyrophosphate. Sensors, 2021, 21, 5538.	3.8	12
24	Integration with MoO ₃ microrods as precursors for hierarchical polyaniline microtubes and composites for anionic dye removal in water treatment. New Journal of Chemistry, 2021, 45, 14036-14041.	2.8	3
25	Enhanced peroxidase-like activity of hierarchical MoS ₂ -decorated N-doped carbon nanotubes with synergetic effect for colorimetric detection of H ₂ O ₂ and ascorbic acid. Chinese Chemical Letters, 2020, 31, 1109-1113.	9.0	87
26	SiO ₂ -assisted synthesis of Fe ₃ O ₄ @SiO ₂ @C-Ni nanochains for effective catalysis and protein adsorption. Journal of Magnetism and Magnetic Materials, 2020, 497, 166011.	2.3	14
27	1D Fe ₃ O ₄ @CuSiO ₃ composites catalyzed decarboxylative A ₃ -coupling for propargylamine synthesis. Chinese Chemical Letters, 2020, 31, 1558-1563.	9.0	25
28	Ultrasensitive aptamer-based protein assays based on one-dimensional core-shell nanozymes. Biosensors and Bioelectronics, 2020, 150, 111881.	10.1	84
29	Fabrication of hierarchical Mn _x O _y @SiO ₂ @C-Ni nanowires for enhanced catalytic performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124211.	4.7	7
30	Carbon supported PdNi alloy nanoparticles on SiO ₂ nanocages with enhanced catalytic performance. Inorganic Chemistry Frontiers, 2020, 7, 3081-3091.	6.0	94
31	Fabrication of noble metal nanoparticles decorated on one dimensional hierarchical polypyrrole@MoS ₂ microtubes. Journal of Materials Chemistry B, 2020, 8, 7801-7811.	5.8	34
32	A facile template method to fabricate strongly coupled 1D sandwich-like C@Fe ₃ O ₄ @C/Ni coaxial microtubes with enhanced catalytic performance. CrystEngComm, 2020, 22, 5302-5309.	2.6	16
33	A facile synthesis of one-dimensional hierarchical magnetic metal silicate microtubes with enhanced adsorption performance. Dalton Transactions, 2020, 49, 11120-11128.	3.3	10
34	Noble metal and Fe ₃ O ₄ Co-functionalized hierarchical polyaniline@MoS ₂ microtubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 605, 125347.	4.7	15
35	Carbon-supported Ni and MoO ₂ nanoparticles with Fe ₃ O ₄ cores as a protein adsorbent. New Journal of Chemistry, 2020, 44, 15396-15402.	2.8	4
36	Energy-Guided Shape Control Towards Highly Active CeO ₂ . Topics in Catalysis, 2020, 63, 1743-1753.	2.8	9

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37	Carbon-Supported Nickel Nanoparticles on SiO ₂ Cores for Protein Adsorption and Nitroaromatics Reduction. ACS Applied Nano Materials, 2020, 3, 4623-4634.	5.0	31
38	Structural Evolution of Cu ₂ O-Derived Hybrids Comprised of Copper Cores, a Silica Interlayer, and Carbon as the Outlayer. Inorganic Chemistry, 2020, 59, 9356-9363.	4.0	22
39	Nanostructured MnO ₂ nanosheets grown on nickel foam: an efficient and readily recyclable 3D artificial oxidase for the colorimetric detection of ascorbic acid. New Journal of Chemistry, 2020, 44, 11959-11964.	2.8	2
40	Surface modification of carbon fibers with hydrophilic Fe ₃ O ₄ nanoparticles for nickel-based multifunctional composites. Applied Surface Science, 2020, 509, 145348.	6.1	123
41	Multi-triggered and enzyme-mimicking graphene oxide/polyvinyl alcohol/G-quartet supramolecular hydrogels. Nanoscale, 2020, 12, 5186-5195.	5.6	22
42	Templated synthesis of nickel nanoparticles embedded in a carbon layer within silica capsules. Dalton Transactions, 2020, 49, 2570-2577.	3.3	6
43	Facile synthesis of TiO ₂ @MoS ₂ hollow microtubes for removal of organic pollutants in water treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 600, 124900.	4.7	17
44	Electrochemical Aptasensor of Carcinoembryonic Antigen Based on Concanavalin A-Functionalized Magnetic Copper Silicate Carbon Microtubes and Gold-Nanocluster-Assisted Signal Amplification. ACS Applied Nano Materials, 2020, 3, 3449-3458.	5.0	40
45	Space-confined pyrolysis for fabrication of peacods-like Fe ₃ O ₄ @C-Ni nanostructures for catalysis and protein adsorption. Nanotechnology, 2019, 30, 415602.	2.6	11
46	Facile construction of dual functional Fe ₃ O ₄ @C-MoO ₂ -Ni composites for catalysis and adsorption. Applied Surface Science, 2019, 494, 783-794.	6.1	27
47	Anchoring nickel nanoparticles on three-dimensionally macro-/mesoporous titanium dioxide with a carbon layer from polydopamine using polymethylmethacrylate microspheres as sacrificial templates. Materials Chemistry Frontiers, 2019, 3, 224-232.	5.9	62
48	One dimensional hierarchical nanoflakes with nickel-immobilization for high performance catalysis and histidine-rich protein adsorption. Dalton Transactions, 2019, 48, 11308-11316.	3.3	17
49	Oriented-assembly of hierarchical Fe ₃ O ₄ @CuSiO ₃ microchains towards efficient separation of histidine-rich proteins. Microporous and Mesoporous Materials, 2019, 286, 207-213.	4.4	36
50	Enhanced synergistic effects from multiple iron oxide nanoparticles encapsulated within nitrogen-doped carbon nanocages for simple and label-free visual detection of blood glucose. Nanotechnology, 2019, 30, 355501.	2.6	9
51	Structural Evolution and Compositional Modulation of ZIF-8-Derived Hybrids Comprised of Metallic Ni Nanoparticles and Silica as Interlayer. Inorganic Chemistry, 2019, 58, 7255-7266.	4.0	99
52	Magnetically separable Ag NWs/Fe ₃ O ₄ @mTiO ₂ nanowires: fabrication and photocatalytic activity. Micro and Nano Letters, 2019, 14, 577-580.	1.3	2
53	Increasing enzyme-like activity by <i>in situ</i> anchoring of Ag ₃ PO ₄ nanoparticles on keratinâ€“inorganic hybrid nanoflowers. New Journal of Chemistry, 2019, 43, 15946-15955.	2.8	12
54	Engineering Nanozymes Using DNA for Catalytic Regulation. ACS Applied Materials & Interfaces, 2019, 11, 1790-1799.	8.0	61

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55	Fabrication of ultrafine nickel nanoparticles anchoring carbon fabric composites and their High catalytic performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 146-153.	4.7	21
56	Direct electrochemistry of cytochrome c immobilized on one dimensional Au nanoparticles functionalized magnetic N-doped carbon nanotubes and its application for the detection of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 85-95.	7.8	114
57	Fabrication of one dimensional CNTs/Fe ₃ O ₄ @PPy/Pd magnetic composites for the accumulation and electrochemical detection of triclosan. <i>Journal of Electroanalytical Chemistry</i> , 2018, 818, 97-105.	3.8	45
58	Fluorescence enhancement of cysteine-rich protein-templated gold nanoclusters using silver(I) ions and its sensing application for mercury(II). <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 342-350.	7.8	61
59	A facile self-template and carbonization strategy to fabricate nickel nanoparticle supporting N-doped carbon microtubes. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 844-852.	6.0	42
60	Ni nanoparticles decorated onto graphene oxide with SiO ₂ as interlayer for high performance on histidine-rich protein separation. <i>Applied Surface Science</i> , 2018, 439, 128-138.	6.1	26
61	Formation of Fe ₃ O ₄ @C/Ni microtubes for efficient catalysis and protein adsorption. <i>Dalton Transactions</i> , 2018, 47, 2791-2798.	3.3	31
62	Facile synthesis of metal nanoparticles decorated magnetic hierarchical carbon microtubes with polydopamine-derived carbon layer for catalytic applications. <i>Dalton Transactions</i> , 2018, 47, 16578-16586.	3.3	16
63	Formation of uniform magnetic C@CoNi alloy hollow hybrid composites with excellent performance for catalysis and protein adsorption. <i>Dalton Transactions</i> , 2018, 47, 7839-7847.	3.3	31
64	Formation of uniform mesoporous TiO ₂ @Ca ²⁺ /Ni hollow hybrid composites. <i>Dalton Transactions</i> , 2018, 47, 10093-10101.	3.3	24
65	Nitrogen-doped hollow carbon spheres as a support for the synthesis of multifunctional composites. <i>Micro and Nano Letters</i> , 2018, 13, 473-476.	1.3	1
66	Rationally designed hierarchical nickel nanoparticles-based magnetic yolk-like nanospindles for enhanced catalysis and protein adsorption. <i>CrystEngComm</i> , 2018, 20, 5377-5386.	2.6	24
67	Yolk-shell nanostructured Fe ₃ O ₄ @C magnetic nanoparticles with enhanced peroxidase-like activity for label-free colorimetric detection of H ₂ O ₂ and glucose. <i>Nanoscale</i> , 2017, 9, 4508-4515.	5.6	175
68	Boronic acid functionalized magnetic composites with sandwich-like nanostructures as a novel matrix for PDGF detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 8-16.	7.8	22
69	The fabrication and application of magnetite coated N-doped carbon microtubes hybrid nanomaterials with sandwich structures. <i>Dalton Transactions</i> , 2017, 46, 9172-9179.	3.3	29
70	Facile synthesis of magnetic magnesium silicate hollow nanotubes with high capacity for removal of methylene blue. <i>Journal of Alloys and Compounds</i> , 2017, 721, 772-778.	5.5	24
71	Facile synthesis of sea urchin-like magnetic copper silicate hollow spheres for efficient removal of hemoglobin in human blood. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3256-3266.	5.5	21
72	Sandwich-structured MnO ₂ @N-doped Carbon@MnO ₂ nanotubes for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3339-3347.	5.5	10

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73	Multifunctional Yolk-Shell Nanostructure as a Superquencher for Fluorescent Analysis of Potassium Ion Using Guanine-Rich Oligonucleotides. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30406-30413.	8.0	16
74	Fabrication of Co@SiO ₂ @C/Ni submicrorattles as highly efficient catalysts for 4-nitrophenol reduction. <i>Dalton Transactions</i> , 2017, 46, 11598-11607.	3.3	39
75	Tailoring the nickel nanoparticles anchored on the surface of Fe ₃ O ₄ @SiO ₂ spheres for nanocatalysis. <i>Nanotechnology</i> , 2017, 28, 345601.	2.6	19
76	Formation of one-dimensional hierarchical magnetic nickel silicate hollow nanotubes. <i>Micro and Nano Letters</i> , 2017, 12, 260-263.	1.3	2
77	One-Pot Method for Multifunctional Yolk Structured Nanocomposites with N-doped Carbon Shell Using Polydopamine as Precursor. <i>Nanoscale Research Letters</i> , 2016, 11, 212.	5.7	17
78	Adsorptive Removal of Methylene Blue from Aqueous Solution using a Ni-Metal Organic Framework Material. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 1226-1231.	2.4	19
79	A type of raspberry-like silica composite with tunable nickel nanoparticles coverage towards nanocatalysis and protein adsorption. <i>Green Chemistry</i> , 2016, 18, 6282-6290.	9.0	50
80	Formation of Fe ₃ O ₄ @SiO ₂ @C/Ni hybrids with enhanced catalytic activity and histidine-rich protein separation. <i>Nanoscale</i> , 2016, 8, 15978-15988.	5.6	88
81	Facile synthesis of magnetic resorcinol-formaldehyde (RF) coated carbon nanotubes for methylene blue removal. <i>RSC Advances</i> , 2016, 6, 11973-11979.	3.6	11
82	Facile synthesis of magnetic hierarchical copper silicate hollow nanotubes for efficient adsorption and removal of hemoglobin. <i>Dalton Transactions</i> , 2016, 45, 922-927.	3.3	31
83	Preparation of magnetic carbon nanotubes with hierarchical copper silicate nanostructure for efficient adsorption and removal of hemoglobin. <i>Applied Surface Science</i> , 2016, 375, 154-161.	6.1	32
84	Preparation of Cu ²⁺ -mediated magnetic imprinted polymers for the selective sorption of bovine hemoglobin. <i>Talanta</i> , 2016, 150, 46-53.	5.5	41
85	Programmed synthesis of magnetic mesoporous silica coated carbon nanotubes for organic pollutant adsorption. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 406, 35-41.	2.3	14
86	Synthesis of Ag decoration on carbon coated Zn ₂ GeO ₄ nanorods and its enhanced properties as anode materials for lithium-ion batteries. <i>Materials Letters</i> , 2016, 166, 243-246.	2.6	6
87	A facile method for protein imprinting on directly carboxyl-functionalized magnetic nanoparticles using non-covalent template immobilization strategy. <i>Chemical Engineering Journal</i> , 2016, 284, 139-148.	12.7	82
88	Large-scale fabrication and application of magnetite coated Ag NW-core water-dispersible hybrid nanomaterials. <i>Dalton Transactions</i> , 2015, 44, 7803-7810.	3.3	21
89	Novel polydopamine imprinting layers coated magnetic carbon nanotubes for specific separation of lysozyme from egg white. <i>Talanta</i> , 2015, 144, 1125-1132.	5.5	39
90	Facile Synthesis of Mn-Doped ZnO Porous Nanosheets as Anode Materials for Lithium Ion Batteries with a Better Cycle Durability. <i>Nanoscale Research Letters</i> , 2015, 10, 983.	5.7	12

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91	Synthesis of hierarchical nickel anchored on Fe ₃ O ₄ @SiO ₂ and its successful utilization to remove the abundant proteins (Bhb) in bovine blood. <i>New Journal of Chemistry</i> , 2015, 39, 4876-4881.	2.8	18
92	An electrochemical sensing strategy for the detection of the hepatitis B virus sequence with homogenous hybridization based on host-guest recognition. <i>RSC Advances</i> , 2015, 5, 92025-92032.	3.6	12
93	Fabrication of Au(Ag)/AgCl/Fe ₃ O ₄ @PDA@Au nanocomposites with enhanced visible-light-driven photocatalytic activity. <i>Dalton Transactions</i> , 2015, 44, 17020-17025.	3.3	27
94	Facile synthesis of CuO nanoparticles as anode for lithium ion batteries with enhanced performance. <i>Functional Materials Letters</i> , 2014, 07, 1440008.	1.2	20
95	Facile route to synthesise larger mesoporous nickel silicate coated on carbon nanotubes and application for dye removal. <i>Micro and Nano Letters</i> , 2014, 9, 184-188.	1.3	2
96	Zwitterionic surfactant assisted fabrication of mesoporous silica coated carbon nanotubes for organic pollutants. <i>New Journal of Chemistry</i> , 2014, 38, 3212.	2.8	4
97	Synthesis and fabrication of CNTs/Fe ₃ O ₄ @Pdop@Au nanocables by a facile approach. <i>RSC Advances</i> , 2014, 4, 44423-44426.	3.6	23
98	Preparation of a Magnetic Metal Organic Framework Composite and Its Application for the Detection of Methyl Parathion. <i>Analytical Sciences</i> , 2014, 30, 663-668.	1.6	15
99	Preparation, characterization and catalytic activity of core-satellite Au/Pdop/SiO ₂ /Fe ₃ O ₄ magnetic nanocomposites. <i>RSC Advances</i> , 2013, 3, 13818.	3.6	27
100	A self-assembled polydopamine film on the surface of magnetic nanoparticles for specific capture of protein. <i>Nanoscale</i> , 2012, 4, 3141.	5.6	282
101	Preparation and characterization of iminodiacetic acid-functionalized magnetic nanoparticles and its selective removal of bovine hemoglobin. <i>Nanotechnology</i> , 2011, 22, 065705.	2.6	30
102	Preparation and Characterization of Polydopamine-coated Silver Core/Shell Nanocables. <i>Chemistry Letters</i> , 2010, 39, 552-553.	1.3	20
103	Preparation of IDA-Cu functionalized core-satellite Fe ₃ O ₄ /polydopamine/Au magnetic nanocomposites and their application for depletion of abundant protein in bovine blood. <i>Journal of Materials Chemistry</i> , 2010, 20, 10696.	6.7	135
104	Fabrication of mesoporous silica-coated CNTs and application in size-selective protein separation. <i>Journal of Materials Chemistry</i> , 2010, 20, 5835.	6.7	120