

# Min Zhang

## List of Publications by Year in descending order

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104  
papers

3,444  
citations

147801

31  
h-index

161849

54  
g-index

104  
all docs

104  
docs citations

104  
times ranked

3192  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Yolk-shell nanostructured Fe <sub>3</sub> O <sub>4</sub> @C magnetic nanoparticles with enhanced peroxidase-like activity for label-free colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose. <i>Nanoscale</i> , 2017, 9, 4508-4515.	5.6	175
3	Preparation of IDA-Cu functionalized core-shell satellite Fe <sub>3</sub> O <sub>4</sub> /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
4	Surface modification of carbon fibers with hydrophilic Fe <sub>3</sub> O <sub>4</sub> nanoparticles for nickel-based multifunctional composites. <i>Applied Surface Science</i> , 2020, 509, 145348.	6.1	123
5	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
6	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 <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 85-95.	7.8	114
7	Structural Evolution and Compositional Modulation of ZIF-8-Derived Hybrids Comprised of Metallic Ni Nanoparticles and Silica as Interlayer. <i>Inorganic Chemistry</i> , 2019, 58, 7255-7266.	4.0	99
8	Carbon supported PdNi alloy nanoparticles on SiO <sub>2</sub> nanocages with enhanced catalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3081-3091.	6.0	94
9	Formation of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @C/Ni hybrids with enhanced catalytic activity and histidine-rich protein separation. <i>Nanoscale</i> , 2016, 8, 15978-15988.	5.6	88
10	Enhanced peroxidase-like activity of hierarchical MoS <sub>2</sub> -decorated N-doped carbon nanotubes with synergetic effect for colorimetric detection of H <sub>2</sub> O <sub>2</sub> and ascorbic acid. <i>Chinese Chemical Letters</i> , 2020, 31, 1109-1113.	9.0	87
11	Promotion effects of halloysite nanotubes on catalytic activity of Co <sub>3</sub> O <sub>4</sub> nanoparticles toward reduction of 4-nitrophenol and organic dyes. <i>Journal of Hazardous Materials</i> , 2021, 403, 123870.	12.4	86
12	Ultrasensitive aptamer-based protein assays based on one-dimensional core-shell nanozymes. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111881.	10.1	84
13	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
14	Simultaneous detection of dual biomarkers using hierarchical MoS <sub>2</sub> 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
15	Anchoring nickel nanoparticles on three-dimensionally macro-/mesoporous titanium dioxide with a carbon layer from polydopamine using polymethylmethacrylate microspheres as sacrificial templates. <i>Materials Chemistry Frontiers</i> , 2019, 3, 224-232.	5.9	62
16	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
17	Engineering Nanozymes Using DNA for Catalytic Regulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1790-1799.	8.0	61
18	Sandwich-type electrochemical immunosensor for CEA detection using magnetic hollow Ni/C@SiO <sub>2</sub> nanomatrix and boronic acid functionalized CPS@PANI@Au probe. <i>Talanta</i> , 2021, 225, 122006.	5.5	51

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19	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
20	Fabrication of one dimensional CNTs/Fe <sub>3</sub> O <sub>4</sub> @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
21	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
22	Preparation of Cu <sup>2+</sup> -mediated magnetic imprinted polymers for the selective sorption of bovine hemoglobin. <i>Talanta</i> , 2016, 150, 46-53.	5.5	41
23	Electrochemical Aptasensor of Carcinoembryonic Antigen Based on Concanavalin A-Functionalized Magnetic Copper Silicate Carbon Microtubes and Gold-Nanocluster-Assisted Signal Amplification. <i>ACS Applied Nano Materials</i> , 2020, 3, 3449-3458.	5.0	40
24	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
25	Fabrication of Co@SiO <sub>2</sub> @C/Ni submicrorattles as highly efficient catalysts for 4-nitrophenol reduction. <i>Dalton Transactions</i> , 2017, 46, 11598-11607.	3.3	39
26	<i>In Situ</i> Construction of Co-MoS <sub>2</sub> /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
27	Metal-Nanoparticle-Supported Nanozyme-Based Colorimetric Sensor Array for Precise Identification of Proteins and Oral Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 11156-11166.	8.0	37
28	Oriented-assembly of hierarchical Fe <sub>3</sub> O <sub>4</sub> @CuSiO <sub>3</sub> microchains towards efficient separation of histidine-rich proteins. <i>Microporous and Mesoporous Materials</i> , 2019, 286, 207-213.	4.4	36
29	Fabrication of noble metal nanoparticles decorated on one dimensional hierarchical polypyrrole@MoS <sub>2</sub> microtubes. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7801-7811.	5.8	34
30	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
31	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
32	Formation of Fe <sub>3</sub> O <sub>4</sub> @C/Ni microtubes for efficient catalysis and protein adsorption. <i>Dalton Transactions</i> , 2018, 47, 2791-2798.	3.3	31
33	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
34	Carbon-Supported Nickel Nanoparticles on SiO <sub>2</sub> Cores for Protein Adsorption and Nitroaromatics Reduction. <i>ACS Applied Nano Materials</i> , 2020, 3, 4623-4634.	5.0	31
35	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
36	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

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37	Preparation, characterization and catalytic activity of core-shell satellite Au/Pd@SiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> magnetic nanocomposites. RSC Advances, 2013, 3, 13818.	3.6	27
38	Fabrication of Au(Ag)/AgCl/Fe <sub>3</sub> O <sub>4</sub> @PDA@Au nanocomposites with enhanced visible-light-driven photocatalytic activity. Dalton Transactions, 2015, 44, 17020-17025.	3.3	27
39	Facile construction of dual functional Fe <sub>3</sub> O <sub>4</sub> @C-MoO <sub>2</sub> -Ni composites for catalysis and adsorption. Applied Surface Science, 2019, 494, 783-794.	6.1	27
40	Ni nanoparticles decorated onto graphene oxide with SiO <sub>2</sub> as interlayer for high performance on histidine-rich protein separation. Applied Surface Science, 2018, 439, 128-138.	6.1	26
41	1D Fe <sub>3</sub> O <sub>4</sub> @CuSiO <sub>3</sub> composites catalyzed decarboxylative A <sub>3</sub> -coupling for propargylamine synthesis. Chinese Chemical Letters, 2020, 31, 1558-1563.	9.0	25
42	Construction of Bio-Nano Interfaces on Nanozymes for Bioanalysis. ACS Applied Materials & Interfaces, 2021, 13, 21040-21050.	8.0	25
43	Facile synthesis of magnetic magnesium silicate hollow nanotubes with high capacity for removal of methylene blue. Journal of Alloys and Compounds, 2017, 721, 772-778.	5.5	24
44	Formation of uniform mesoporous TiO <sub>2</sub> @Ni hollow hybrid composites. Dalton Transactions, 2018, 47, 10093-10101.	3.3	24
45	Rationally designed hierarchical nickel nanoparticles-based magnetic yolk-like nanospindles for enhanced catalysis and protein adsorption. CrystEngComm, 2018, 20, 5377-5386.	2.6	24
46	Synthesis and fabrication of CNTs/Fe <sub>3</sub> O <sub>4</sub> @Pd@Au nanocables by a facile approach. RSC Advances, 2014, 4, 44423-44426.	3.6	23
47	Boronic acid functionalized magnetic composites with sandwich-like nanostructures as a novel matrix for PDGF detection. Sensors and Actuators B: Chemical, 2017, 250, 8-16.	7.8	22
48	Structural Evolution of Cu <sub>2</sub> O-Derived Hybrids Comprised of Copper Cores, a Silica Interlayer, and Carbon as the Outlayer. Inorganic Chemistry, 2020, 59, 9356-9363.	4.0	22
49	Multi-triggered and enzyme-mimicking graphene oxide/polyvinyl alcohol/G-quartet supramolecular hydrogels. Nanoscale, 2020, 12, 5186-5195.	5.6	22
50	Controllable Compositions and Structures of Fe <sub>x</sub> O <sub>y</sub> @SiO <sub>2</sub> @C-Ni Hybrids with a Silica Layer as a Mineral Redox Buffer. Inorganic Chemistry, 2021, 60, 8880-8889.	4.0	22
51	Large-scale fabrication and application of magnetite coated Ag NW-core water-dispersible hybrid nanomaterials. Dalton Transactions, 2015, 44, 7803-7810.	3.3	21
52	Facile synthesis of sea urchin-like magnetic copper silicate hollow spheres for efficient removal of hemoglobin in human blood. Journal of Alloys and Compounds, 2017, 695, 3256-3266.	5.5	21
53	Fabrication of ultrafine nickel nanoparticles anchoring carbon fabric composites and their High catalytic performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 146-153.	4.7	21
54	Preparation and Characterization of Polydopamine-coated Silver Core/Shell Nanocables. Chemistry Letters, 2010, 39, 552-553.	1.3	20

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55	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
56	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
57	Tailoring the nickel nanoparticles anchored on the surface of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> spheres for nanocatalysis. <i>Nanotechnology</i> , 2017, 28, 345601.	2.6	19
58	Synthesis of hierarchical nickel anchored on Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> 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
59	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
60	One dimensional hierarchical nanoflakes with nickel-immobilization for high performance catalysis and histidine-rich protein adsorption. <i>Dalton Transactions</i> , 2019, 48, 11308-11316.	3.3	17
61	Facile synthesis of TiO <sub>2</sub> @MoS <sub>2</sub> hollow microtubes for removal of organic pollutants in water treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 124900.	4.7	17
62	Fe doped MoS <sub>2</sub> /polypyrrole microtubes towards efficient peroxidase mimicking and colorimetric sensing application. <i>Dalton Transactions</i> , 2021, 50, 15380-15388.	3.3	17
63	Modulating the Biomimetic and Fluorescence Quenching Activities of Metal-Organic Framework/Platinum Nanoparticle Composites and Their Applications in Molecular Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 21677-21686.	8.0	17
64	Multifunctional Yolk-Shell Nanostructure as a Superquencher for Fluorescent Analysis of Potassium Ion Using Guanine-Rich Oligonucleotides. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30406-30413.	8.0	16
65	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
66	A facile template method to fabricate strongly coupled 1D sandwich-like C@Fe <sub>3</sub> O <sub>4</sub> @C/Ni coaxial microtubes with enhanced catalytic performance. <i>CrystEngComm</i> , 2020, 22, 5302-5309.	2.6	16
67	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
68	Noble metal and Fe <sub>3</sub> O <sub>4</sub> Co-functionalized hierarchical polyaniline@MoS <sub>2</sub> microtubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 605, 125347.	4.7	15
69	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
70	SiO <sub>2</sub> -assisted synthesis of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @C-Ni nanochains for effective catalysis and protein adsorption. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 166011.	2.3	14
71	Rational design, synthesis, and applications of carbon-assisted dispersive Ni-based composites. <i>CrystEngComm</i> , 2022, 24, 912-921.	2.6	14
72	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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73	An electrochemical sensing strategy for the detection of the hepatitis B virus sequence with homogenous hybridization based on host-guest recognition. RSC Advances, 2015, 5, 92025-92032.	3.6	12
74	Increasing enzyme-like activity by <i>in situ</i> anchoring of Ag <sub>3</sub> PO <sub>4</sub> nanoparticles on keratin-inorganic hybrid nanoflowers. New Journal of Chemistry, 2019, 43, 15946-15955.	2.8	12
75	Copper (II) Ion-Modified Gold Nanoclusters as Peroxidase Mimetics for the Colorimetric Detection of Pyrophosphate. Sensors, 2021, 21, 5538.	3.8	12
76	Electronically regulated FeOOH/c-NiMoO <sub>4</sub> with hierarchical sandwich structure as efficient electrode for oxygen evolution and hybrid supercapacitors. Electrochimica Acta, 2022, 427, 140884.	5.2	12
77	Facile synthesis of magnetic resorcinol-formaldehyde (RF) coated carbon nanotubes for methylene blue removal. RSC Advances, 2016, 6, 11973-11979.	3.6	11
78	Space-confined pyrolysis for fabrication of peacods-like Fe <sub>3</sub> O <sub>4</sub> @C-Ni nanostructures for catalysis and protein adsorption. Nanotechnology, 2019, 30, 415602.	2.6	11
79	Sandwich-structured MnO <sub>2</sub> @N-doped Carbon@MnO <sub>2</sub> nanotubes for high-performance supercapacitors. Journal of Alloys and Compounds, 2017, 695, 3339-3347.	5.5	10
80	A facile synthesis of one-dimensional hierarchical magnetic metal silicate microtubes with enhanced adsorption performance. Dalton Transactions, 2020, 49, 11120-11128.	3.3	10
81	A facile template method to fabricate one-dimensional Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @C/Ni microtubes with efficient catalytic and adsorption performance. CrystEngComm, 2021, 23, 7517-7524.	2.6	10
82	Keratin-inorganic hybrid nanoflowers decorated with Fe <sub>3</sub> O <sub>4</sub> nanoparticles as enzyme mimics for colorimetric detection of glucose. Dalton Transactions, 2021, 50, 14753-14761.	3.3	10
83	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
84	Energy-Guided Shape Control Towards Highly Active CeO <sub>2</sub> . Topics in Catalysis, 2020, 63, 1743-1753.	2.8	9
85	Copper-Based Nanocatalysts with SiO <sub>2</sub> and Carbon Dual-Layer Coatings and Metallic Ni/CuNi Decoration toward Highly Efficient Nitroaromatics Reduction. Inorganic Chemistry, 2022, 61, 1717-1727.	4.0	8
86	Fabrication of hierarchical Mn <sub>x</sub> O <sub>y</sub> @SiO <sub>2</sub> @C-Ni nanowires for enhanced catalytic performance. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124211.	4.7	7
87	Synthesis of Ag decoration on carbon coated Zn <sub>2</sub> GeO <sub>4</sub> nanorods and its enhanced properties as anode materials for lithium-ion batteries. Materials Letters, 2016, 166, 243-246.	2.6	6
88	Templated synthesis of nickel nanoparticles embedded in a carbon layer within silica capsules. Dalton Transactions, 2020, 49, 2570-2577.	3.3	6
89	MoO <sub>3</sub> -templated synthesis of TiO <sub>2</sub> @C-Ni microtubes for efficient catalysis and protein adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128167.	4.7	6
90	Facile strategy for the synthesis of silver nanoparticles on magnetic Fe <sub>3</sub> O <sub>4</sub> @C core-shell nanocomposites and their application in catalytic reduction. Dalton Transactions, 2022, 51, 3170-3179.	3.3	6

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91	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
92	Carbon-supported Ni and MoO <sub>2</sub> nanoparticles with Fe <sub>3</sub> O <sub>4</sub> cores as a protein adsorbent. <i>New Journal of Chemistry</i> , 2020, 44, 15396-15402.	2.8	4
93	Facile synthesis of PPy@MoS <sub>2</sub> 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
94	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
95	Integration with MoO <sub>3</sub> microrods as precursors for hierarchical polyaniline microtubes and composites for anionic dye removal in water treatment. <i>New Journal of Chemistry</i> , 2021, 45, 14036-14041.	2.8	3
96	Facile fabrication of ultrafine CoNi alloy nanoparticles supported on hexagonal N-doped carbon/Al <sub>2</sub> O <sub>3</sub> nanosheets for efficient protein adsorption and catalysis. <i>CrystEngComm</i> , 2022, 24, 5226-5233.	2.6	3
97	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
98	Formation of one-dimensional hierarchical magnetic nickel silicate hollow nanotubes. <i>Micro and Nano Letters</i> , 2017, 12, 260-263.	1.3	2
99	Magnetically separable Ag NWs/Fe <sub>3</sub> O <sub>4</sub> @mTiO <sub>2</sub> nanowires: fabrication and photocatalytic activity. <i>Micro and Nano Letters</i> , 2019, 14, 577-580.	1.3	2
100	Nanostructured MnO <sub>2</sub> nanosheets grown on nickel foam: an efficient and readily recyclable 3D artificial oxidase for the colorimetric detection of ascorbic acid. <i>New Journal of Chemistry</i> , 2020, 44, 11959-11964.	2.8	2
101	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
102	In Site Generation of Well-Dispersed Ag <sub>3</sub> PO <sub>4</sub> NPs on Protein-Inorganic Hybrid Nanoflowers with Enhanced Catalytic Performance. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
103	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
104	Flexible and functional SiO <sub>2</sub> 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