

# Baodui Wang

## List of Publications by Year in descending order

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77  
papers

3,883  
citations

136740

32  
h-index

128067

60  
g-index

79  
all docs

79  
docs citations

79  
times ranked

6176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, characterization and cell labelling of strong pH-controlled bicolor fluorescence carbonized polymer dots. RSC Advances, 2022, 12, 1258-1264.	1.7	3
2	A dual-channel luminescent signal readout nanoprobe for rapid monitoring of biogenic amines in milk and yogurt. Sensors and Actuators B: Chemical, 2022, 357, 131435.	4.0	17
3	Tumor Microenvironment-Responsive Near-Infrared Light-Activated Coordination Polymer Nanoprodrug for On-Demand CO <sub>2</sub> -Sensitized Synergistic Cancer Therapy. Advanced Healthcare Materials, 2021, 10, e2001728.	3.9	19
4	Embedding CsPbBr <sub>3</sub> quantum dots into a pillar[5]arene-based supramolecular self-assembly for an efficient photocatalytic cross-coupling hydrogen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 10180-10185.	5.2	26
5	Anisotropic Evaporator with a T-shape Design for High-Performance Solar-Driven Zero-Liquid Discharge. Small, 2021, 17, e2100969.	5.2	39
6	Nitrogen-Doped Chiral CuO/CoO Nanofibers: An Enhanced Electrochemiluminescence Sensing Strategy for Detection of 3,4-Dihydroxy-Phenylalanine Enantiomers. Analytical Chemistry, 2021, 93, 11470-11478.	3.2	31
7	Site-Selective Photosynthesis of Ag@AgCl@Au Nanomushrooms for NIR-II Light-Driven O <sub>2</sub> - and O <sub>2</sub> <sup>•-</sup> -Evolving Synergistic Photothermal Therapy against Deep Hypoxic Tumors. ACS Applied Materials & Interfaces, 2021, 13, 46451-46463.	4.0	15
8	Red-light-responsive coordination polymers nanorods: New strategy for ultrasensitive photothermal detection of targeted cancer cells. Biosensors and Bioelectronics, 2021, 190, 113417.	5.3	12
9	Carbon nanofiber supported Ni-ZnO catalyst for efficient and selective hydrogenation of pyrolysis gasoline. Catalysis Science and Technology, 2021, 11, 4216-4225.	2.1	7
10	NIR emissive light-harvesting systems through perovskite passivation and sequential energy transfer for third-level fingerprint imaging. Chemical Communications, 2021, 57, 9434-9437.	2.2	16
11	Confining perovskite quantum dots in the pores of a covalent-organic framework: quantum confinement- and passivation-enhanced light-harvesting and photocatalysis. Journal of Materials Chemistry A, 2021, 9, 24365-24373.	5.2	26
12	Silk nanofibers-ZIF hybrid membrane with improved treatment efficiency and highly enhanced water permeability for excellent removal of multiple pollutants from water. Environmental Science: Nano, 2021, 8, 3408-3420.	2.2	7
13	NIR II Light-Response Au Nanoframes: Amplification of a Pressure- and Temperature-Sensing Strategy for Portable Detection and Photothermal Therapy of Cancer Cells. Analytical Chemistry, 2021, 93, 14307-14316.	3.2	21
14	Aqueous stable Pd nanoparticles/covalent organic framework nanocomposite: an efficient nanoenzyme for colorimetric detection and multicolor imaging of cancer cells. Nanoscale, 2020, 12, 825-831.	2.8	37
15	Confining Carbon Dots in Porous Wood: The Singlet Oxygen Enhancement Strategy for Photothermal Signal-Amplified Detection of Mn <sup>2+</sup> . ACS Sustainable Chemistry and Engineering, 2020, 8, 17687-17696.	3.2	17
16	Visualization nanozyme based on tumor microenvironment "unlocking" for intensive combination therapy of breast cancer. Science Advances, 2020, 6, .	4.7	97
17	Spatiotemporally controlled O <sub>2</sub> and singlet oxygen self-sufficient nanophotosensitizers enable the <i>in vivo</i> high-yield synthesis of drugs and efficient hypoxic tumor therapy. Chemical Science, 2020, 11, 8817-8827.	3.7	22
18	High-Throughput Metal Trap: Sulfhydryl-Functionalized Wood Membrane Stacks for Rapid and Highly Efficient Heavy Metal Ion Removal. ACS Applied Materials & Interfaces, 2020, 12, 15002-15011.	4.0	71

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19	β-Cyclodextrin Polymerized in Cross-Flowing Channels of Biomass Sawdust for Rapid and Highly Efficient Pharmaceutical Pollutants Removal from Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32817-32826.	4.0	28
20	Enhanced Thermometric Sensor for Arsenate Analysis Based on Dual Temperature Readout Signaling Strategy. <i>Analytical Chemistry</i> , 2020, 92, 4672-4680.	3.2	18
21	Solution-phase vertical growth of aligned NiCo <sub>2</sub> O <sub>4</sub> nanosheet arrays on Au nanosheets with weakened oxygen-hydrogen bonds for photocatalytic oxygen evolution. <i>Nanoscale</i> , 2020, 12, 6195-6203.	2.8	23
22	Palladium Coordination Polymers Nanosheets: New Strategy for Sensitive Photothermal Detection of H <sub>2</sub> S. <i>Analytical Chemistry</i> , 2019, 91, 10823-10829.	3.2	42
23	Smart Responsive Luminescent Aptamer-Functionalized Covalent Organic Framework Hydrogel for High-Resolution Visualization and Security Protection of Latent Fingerprints. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44664-44672.	4.0	40
24	Near-infrared light and tumor microenvironment dual responsive size-switchable nanocapsules for multimodal tumor theranostics. <i>Nature Communications</i> , 2019, 10, 4418.	5.8	153
25	Anion-exchangeable modulated fluorescence strategy for sensitive ascorbic acid detection with luminescent Eu hydroxy double salts nanosunflowers derived from MOFs. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126636.	4.0	17
26	Facile preparation of a Ca(II) carboxymethyl cellulose complex with enhanced calcium bioavailability for treatment of osteoporosis. <i>Dalton Transactions</i> , 2019, 48, 5735-5740.	1.6	6
27	In Situ Growth of Metal-Organic Frameworks in Three-Dimensional Aligned Lumen Arrays of Wood for Rapid and Highly Efficient Organic Pollutant Removal. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2705-2712.	4.6	157
28	Photochemical Synthesis of Porous CuFeSe <sub>2</sub> /Au Heterostructured Nanospheres as SERS Sensor for Ultrasensitive Detection of Lung Cancer Cells and Their Biomarkers. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5200-5208.	3.2	33
29	Anions reversibly responsive luminescent nanocellulose hydrogels for cancer spheroids culture and release. <i>Biomaterials</i> , 2019, 194, 161-170.	5.7	28
30	Hyper-Cross-linked Porous MoS <sub>2</sub> -Cyclodextrin-Polymer Frameworks: Durable Removal of Aromatic Phenolic Micropollutant from Water. <i>Analytical Chemistry</i> , 2018, 90, 3621-3627.	3.2	30
31	Porous Wood Members-Based Amplified Colorimetric Sensor for Hg <sup>2+</sup> Detection through Hg <sup>2+</sup> -Triggered Methylene Blue Reduction Reactions. <i>Analytical Chemistry</i> , 2018, 90, 4909-4915.	3.2	63
32	Reversible Response of Luminescent Terbium(III)-Nanocellulose Hydrogels to Anions for Latent Fingerprint Detection and Encryption. <i>Angewandte Chemie</i> , 2018, 130, 6902-6906.	1.6	11
33	Reversible Response of Luminescent Terbium(III)-Nanocellulose Hydrogels to Anions for Latent Fingerprint Detection and Encryption. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6786-6790.	7.2	115
34	Luminescent magnetic nanoparticles encapsulated in MOFs for highly selective and sensitive detection of ClO <sup>-</sup> /SCN <sup>-</sup> and anti-counterfeiting. <i>Nanoscale</i> , 2018, 10, 8667-8676.	2.8	62
35	Facile synthesis of ultrathin two-dimensional nanosheets-constructed MCo <sub>2</sub> O <sub>4</sub> (M = Ni, Cu, Zn) nanotubes for efficient photocatalytic oxygen evolution. <i>Nanoscale</i> , 2018, 10, 3871-3876.	2.8	28
36	Constructing two-dimensional CuFeSe <sub>2</sub> @Au heterostructured nanosheets with an amorphous core and a crystalline shell for enhanced near-infrared light water oxidation. <i>Nanoscale</i> , 2018, 10, 2380-2387.	2.8	19

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37	Atomic-scale imaging of the ferrimagnetic/diamagnetic interface in Au-Fe <sub>3</sub> O <sub>4</sub> nanodimers and correlated exchange-bias origin. <i>Nanoscale</i> , 2018, 10, 21499-21508.	2.8	8
38	Photochemical strategies for the green synthesis of ultrathin Au nanosheets using photoinduced free radical generation and their catalytic properties. <i>Nanoscale</i> , 2018, 10, 18805-18811.	2.8	12
39	Narrow bandgap semiconductor decorated wood membrane for high-efficiency solar-assisted water purification. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18839-18846.	5.2	208
40	Formation of porous Cu hydroxy double salt nanoflowers derived from metal-organic frameworks with efficient peroxidase-like activity for label-free detection of glucose. <i>Nanoscale</i> , 2018, 10, 11948-11954.	2.8	34
41	Constructing 2D Nanosheet-Assembled MnCo <sub>2</sub> O <sub>4</sub> Nanotubes for Pressure and Colorimetric Dual-Signal Readout Detection of Cancer Cells in Serum Samples. <i>ACS Applied Nano Materials</i> , 2018, 1, 4156-4163.	2.4	23
42	Au <sub>3</sub> Cu tetrapod nanocrystals: highly efficient and metabolizable multimodality imaging-guided NIR-II photothermal agents. <i>Nanoscale Horizons</i> , 2018, 3, 624-631.	4.1	26
43	Se Atom-Induced Synthesis of Concave Spherical Fe <sub>3</sub> O <sub>4</sub> @Cu <sub>2</sub> O Nanocrystals for Highly Efficient MRI-SERS Imaging-Guided NIR Photothermal Therapy. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800197.	1.2	10
44	Pressure and Fluorescence Dual Signal Readout CuO-NiO/C Heterojunction Nanofibers-Based Nanoplatfor for Imaging and Detection of Target Cancer Cells in Blood. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9921-9929.	3.2	19
45	Gold nanoparticles and the corresponding filter membrane as chemosensors and adsorbents for dual signal amplification detection and fast removal of mercury( <sup>2+</sup> ). <i>Nanoscale</i> , 2017, 9, 3315-3321.	2.8	51
46	Designing of blue, green, and red CsPbX <sub>3</sub> perovskite-codoped flexible films with water resistant property and elimination of anion-exchange for tunable white light emission. <i>Chemical Communications</i> , 2017, 53, 5400-5403.	2.2	100
47	Soluble Porous Coordination Frameworks Constructed from Inorganic Nanoparticles as Homogenized Heterogeneous Photocatalysts for Suzuki Coupling Reactions under Near-Infrared Light. <i>Chemistry - A European Journal</i> , 2017, 23, 8879-8885.	1.7	12
48	Photocatalysis-Based Nanoprobes Using Noble Metal-Semiconductor Heterostructure for Visible Light-Driven in Vivo Detection of Mercury. <i>Analytical Chemistry</i> , 2017, 89, 7649-7658.	3.2	32
49	A g-C <sub>3</sub> N <sub>4</sub> /rGO nanocomposite as a highly efficient metal-free photocatalyst for direct C-H arylation under visible light irradiation. <i>RSC Advances</i> , 2017, 7, 46132-46138.	1.7	28
50	Gram-scale synthesis of aligned C <sub>3</sub> N <sub>4</sub> polypyrrole heterojunction aerogels with tunable band structures as efficient visible and near infrared light-driven metal-free photocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24920-24928.	5.2	36
51	Efficient Hydrogen-Generation CuO/Co <sub>3</sub> O <sub>4</sub> Heterojunction Nanofibers for Sensitive Detection of Cancer Cells by Portable Pressure Meter. <i>Analytical Chemistry</i> , 2017, 89, 8140-8147.	3.2	63
52	Interface coassembly of mesoporous MoS <sub>2</sub> based-frameworks for enhanced near-infrared light driven photocatalysis. <i>Chemical Communications</i> , 2016, 52, 6431-6434.	2.2	38
53	3D MoS <sub>2</sub> Composition Aerogels as Chemosensors and Adsorbents for Colorimetric Detection and High-Capacity Adsorption of Hg <sup>2+</sup> . <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3398-3408.	3.2	132
54	Green synthesis and characterization of gold nanoparticles embedded into magnetic carbon nanocages and their highly efficient degradation of methylene blue. <i>RSC Advances</i> , 2016, 6, 28774-28780.	1.7	16

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55	Rational synthesis of Pd nanoparticle-embedded reduced graphene oxide frameworks with enhanced selective catalysis in water. <i>Nanoscale</i> , 2016, 8, 2787-2794.	2.8	26
56	White emission magnetic nanoparticles as chemosensors for sensitive colorimetric and ratiometric detection, and degradation of ClO <sup>-</sup> and SCN <sup>-</sup> in aqueous solutions based on a logic gate approach. <i>Nanoscale</i> , 2015, 7, 11712-11719.	2.8	26
57	Size- and shape-dependent peroxidase-like catalytic activity of MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles and their applications in highly efficient colorimetric detection of target cancer cells. <i>Dalton Transactions</i> , 2015, 44, 12871-12877.	1.6	76
58	Coordinated assembly of a new 3D mesoporous Fe <sub>3</sub> O <sub>4</sub> @Cu <sub>2</sub> O-graphene oxide framework as a highly efficient and reusable catalyst for the synthesis of quinoxalines. <i>Chemical Communications</i> , 2015, 51, 5069-5072.	2.2	30
59	A simple route to CoFe <sub>2</sub> O <sub>4</sub> nanoparticles with shape and size control and their tunable peroxidase-like activity. <i>RSC Advances</i> , 2015, 5, 10632-10640.	1.7	59
60	Triple-Emitting Dumbbell Fluorescent Nanoprobe for Multicolor Detection and Imaging Applications. <i>Inorganic Chemistry</i> , 2015, 54, 7725-7734.	1.9	16
61	An atom-scale interfacial coordination strategy to prepare hierarchically porous Fe <sub>3</sub> O <sub>4</sub> -graphene frameworks and their application in charge and size selective dye removal. <i>Chemical Communications</i> , 2015, 51, 14405-14408.	2.2	36
62	Pd nanoparticles encapsulated in magnetic carbon nanocages: an efficient nanoenzyme for the selective detection and multicolor imaging of cancer cells. <i>Nanoscale</i> , 2015, 7, 14393-14400.	2.8	16
63	A high-performance imaging probe with NIR luminescence and synergistically enhanced T <sub>1</sub> -T <sub>2</sub> relaxivity for in vivo hepatic tumor targeting and multimodal imaging. <i>Chemical Communications</i> , 2015, 51, 13369-13372.	2.2	18
64	A strongly coupled Au/Fe <sub>3</sub> O <sub>4</sub> /GO hybrid material with enhanced nanozyme activity for highly sensitive colorimetric detection, and rapid and efficient removal of Hg <sup>2+</sup> in aqueous solutions. <i>Nanoscale</i> , 2015, 7, 8495-8502.	2.8	138
65	Highly efficient degradation of organic dyes by palladium nanoparticles decorated on 2D magnetic reduced graphene oxide nanosheets. <i>Dalton Transactions</i> , 2015, 44, 9193-9199.	1.6	80
66	Highly efficient and selective degradation of methylene blue from mixed aqueous solution by using monodisperse CuFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>RSC Advances</i> , 2015, 5, 73327-73332.	1.7	22
67	Europium(III) complex-functionalized magnetic nanoparticle as a chemosensor for ultrasensitive detection and removal of copper(II) from aqueous solution. <i>Nanoscale</i> , 2014, 6, 11473-11478.	2.8	24
68	An off-on fluorescent sensor with high selectivity and sensitivity for Fe(III). <i>Journal of Coordination Chemistry</i> , 2014, 67, 921-928.	0.8	16
69	Controlled synthesis of MnFe <sub>2</sub> O <sub>4</sub> nanoparticles and Gd complex-based nanocomposites as tunable and enhanced T <sub>1</sub> /T <sub>2</sub> -weighted MRI contrast agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4748.	2.9	45
70	Multifunctional Fe <sub>3</sub> O <sub>4</sub> nanoparticles for highly sensitive detection and removal of Al(III) in aqueous solution. <i>Nanoscale</i> , 2013, 5, 1552.	2.8	34
71	8-hydroxyquinoline-5-carbaldehyde-(benzotriazol-1-yl-acetyl)hydrazone as a potential Mg <sup>2+</sup> fluorescent chemosensor. <i>Journal of Coordination Chemistry</i> , 2013, 66, 300-305.	0.8	17
72	A one-step method to produce graphene-Fe <sub>3</sub> O <sub>4</sub> composites and their excellent catalytic activities for three-component coupling of aldehyde, alkyne and amine. <i>Journal of Materials Chemistry A</i> , 2013, 1, 651-656.	5.2	85

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73	A multifunctional nanoprobe based on Au@Fe <sub>3</sub> O <sub>4</sub> nanoparticles for multimodal and ultrasensitive detection of cancer cells. <i>Chemical Communications</i> , 2013, 49, 4938.	2.2	60
74	Coupling of Luminescent Terbium Complexes to Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Imaging Applications. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3063-3066.	7.2	62
75	Selective Detection of Iron(III) by Rhodamine-Modified Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4576-4579.	7.2	220
76	Dumbbell-like Au@Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Target-Specific Platin Delivery. <i>Journal of the American Chemical Society</i> , 2009, 131, 4216-4217.	6.6	378
77	pH Controlled Release of Chromone from Chromone-Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Journal of the American Chemical Society</i> , 2008, 130, 14436-14437.	6.6	159