

Haifeng Zhou

List of Publications by Year in descending order

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80
papers

2,307
citations

172457

29
h-index

233421

45
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80
all docs

80
docs citations

80
times ranked

3261
citing authors

#	ARTICLE	IF	CITATIONS
1	Double Detection of Mycotoxins Based on SERS Labels Embedded Ag@Au Core-Shell Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 21780-21786.	8.0	175
2	One-step synthesis of fluorescent smart thermo-responsive copper clusters: A potential nanothermometer in living cells. Nano Research, 2015, 8, 1975-1986.	10.4	130
3	Aggregation-Induced Room-Temperature Phosphorescence Obtained from Water-Dispersible Carbon Dot-Based Composite Materials. ACS Applied Materials & Interfaces, 2020, 12, 10791-10800.	8.0	96
4	Water-Soluble and Lowly Toxic Sulphur Quantum Dots. Advanced Functional Materials, 2014, 24, 7133-7138.	14.9	93
5	Synthesis of cysteine-functionalized water-soluble luminescent copper nanoclusters and their application to the determination of chromium(VI). Mikrochimica Acta, 2015, 182, 1371-1377.	5.0	83
6	Electroactive Au@Ag nanoparticles driven electrochemical sensor for endogenous H ₂ S detection. Biosensors and Bioelectronics, 2018, 117, 53-59.	10.1	80
7	Porous Fe-Nx/C hybrid derived from bi-metal organic frameworks as high efficient electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2016, 311, 137-143.	7.8	71
8	Au nanoflower-Ag nanoparticle assembled SERS-active substrates for sensitive MC-LR detection. Chemical Communications, 2015, 51, 16908-16911.	4.1	63
9	Interfacial synthesis of polyethyleneimine-protected copper nanoclusters: Size-dependent tunable photoluminescence, pH sensor and bioimaging. Colloids and Surfaces B: Biointerfaces, 2016, 140, 373-381.	5.0	58
10	Amidate Iridium(III) Bis(2-pyridyl)phenyl Complexes: Application Examples of Amidate Ancillary Ligands in Iridium(III)-Cyclometalated Complexes. Organometallics, 2011, 30, 77-83.	2.3	55
11	Temperature-controlled spectral tuning of full-color carbon dots and their strongly fluorescent solid-state polymer composites for light-emitting diodes. Nanoscale Advances, 2019, 1, 1413-1420.	4.6	54
12	Polymer-Assisted Self-Assembly of Multicolor Carbon Dots as Solid-State Phosphors for Fabrication of Warm, High-Quality, and Temperature-Responsive White-Light-Emitting Devices. ACS Applied Materials & Interfaces, 2019, 11, 22332-22338.	8.0	51
13	A fluorescent biosensor of lysozyme-stabilized copper nanoclusters for the selective detection of glucose. RSC Advances, 2015, 5, 101599-101606.	3.6	50
14	Shell-encoded Au nanoparticles with tunable electroactivity for specific dual disease biomarkers detection. Biosensors and Bioelectronics, 2018, 99, 193-200.	10.1	49
15	Dynamic Chiral Nanoparticle Assemblies and Specific Chiroplasmonic Analysis of Cancer Cells. Advanced Materials, 2016, 28, 4877-4883.	21.0	48
16	Copper nanoparticles modified nitrogen doped reduced graphene oxide 3-D superstructure for simultaneous determination of dihydroxybenzene isomers. Sensors and Actuators B: Chemical, 2017, 249, 405-413.	7.8	47
17	Gold nanoclusters decorated with magnetic iron oxide nanoparticles for potential multimodal optical/magnetic resonance imaging. Journal of Materials Chemistry C, 2015, 3, 5910-5917.	5.5	45
18	Rational Design of Magnetic Micronanoelectrodes for Recognition and Ultrasensitive Quantification of Cysteine Enantiomers. Analytical Chemistry, 2018, 90, 3374-3381.	6.5	44

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19	Loss of ubiquitin-conjugating enzyme E2 (Ubc9) in macrophages exacerbates multiple low-dose streptozotocin-induced diabetes by attenuating M2 macrophage polarization. <i>Cell Death and Disease</i> , 2019, 10, 892.	6.3	44
20	Rapid Visualization of Latent Fingerprints with Color-Tunable Solid Fluorescent Carbon Dots. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700387.	2.3	43
21	The oxidase-like activity of iridium nanoparticles, and their application to colorimetric determination of dissolved oxygen. <i>Mikrochimica Acta</i> , 2017, 184, 3113-3119.	5.0	39
22	Water-Soluble and Low-Toxic Ionic Polymer Dots as Invisible Security Ink for MultiStage Information Encryption. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1480-1486.	8.0	39
23	Bi-functional fluorescent polymer dots: a one-step synthesis via controlled hydrothermal treatment and application as probes for the detection of temperature and Fe ³⁺ . <i>Journal of Materials Chemistry C</i> , 2017, 5, 434-443.	5.5	38
24	Tunable preparation of ruthenium nanoparticles with superior size-dependent catalytic hydrogenation properties. <i>Journal of Hazardous Materials</i> , 2017, 332, 124-131.	12.4	38
25	Sensitive Colorimetric Assay of H ₂ S Depending on the High-Efficient Inhibition of Catalytic Performance of Ru Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7912-7919.	6.7	34
26	Cadmium induced aggregation of orange-red emissive carbon dots with enhanced fluorescence for intracellular imaging. <i>Journal of Hazardous Materials</i> , 2022, 427, 128092.	12.4	34
27	Controlled growth of MoS ₂ nanopetals and their hydrogen evolution performance. <i>RSC Advances</i> , 2016, 6, 18483-18489.	3.6	32
28	Recycling Strategy for Fabricating Low-Cost and High-Performance Carbon Nanotube TFT Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15719-15726.	8.0	30
29	Fluorescent iridium nanoclusters for selective determination of chromium(VI). <i>Mikrochimica Acta</i> , 2018, 185, 8.	5.0	30
30	Phosphate-Assisted Transformation of Methylene Blue to Red-Emissive Carbon Dots with Enhanced Singlet Oxygen Generation for Photodynamic Therapy. <i>ACS Applied Nano Materials</i> , 2021, 4, 4820-4828.	5.0	30
31	Au NPs driven electrochemiluminescence aptasensors for sensitive detection of fumonisin B1. <i>RSC Advances</i> , 2014, 4, 57709-57714.	3.6	29
32	Light fluorescence carbon dots with intramolecular hydrogen bond-regulated co-planarization for cell imaging and temperature sensing. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2085-2095.	10.3	28
33	Novel tungsten phosphide embedded nitrogen-doped carbon nanotubes: A portable and renewable monitoring platform for anticancer drug in whole blood. <i>Biosensors and Bioelectronics</i> , 2018, 105, 226-235.	10.1	27
34	Photo-polymerization of triclosan in aqueous solution induced by ultraviolet radiation. <i>Environmental Chemistry Letters</i> , 2010, 8, 33-37.	16.2	24
35	Direct Electrochemical Sensing of Phosphate in Aqueous Solutions Based on Phase Transition of Calcium Phosphate. <i>ACS Sensors</i> , 2020, 5, 541-548.	7.8	24
36	Highly selective detection of L-Phenylalanine by molecularly imprinted polymers coated Au nanoparticles via surface-enhanced Raman scattering. <i>Talanta</i> , 2020, 211, 120745.	5.5	24

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37	Simultaneous determination of ascorbic acid, dopamine, and uric acid based on double-walled carbon nanotubes/choline-modified electrode. <i>Analytical Methods</i> , 2013, 5, 2335.	2.7	23
38	A 3D Co@CN framework as a high performance electrocatalyst for the hydrogen evolution reaction. <i>RSC Advances</i> , 2016, 6, 42014-42018.	3.6	22
39	Self-template synthesis of biomass-derived 3D hierarchical N-doped porous carbon for simultaneous determination of dihydroxybenzene isomers. <i>Scientific Reports</i> , 2017, 7, 14985.	3.3	21
40	Template-Free Synthesis of Porous Fluorescent Carbon Nanomaterials with Gluten for Intracellular Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21310-21318.	8.0	20
41	Photolytic degradation of triclosan in the presence of surfactants. <i>Chemical Papers</i> , 2008, 62, .	2.2	19
42	Synthesis of 2.5 nm colloidal iridium nanoparticles with strong surface enhanced Raman scattering activity. <i>Mikrochimica Acta</i> , 2016, 183, 2047-2053.	5.0	19
43	Lysine surface modified Fe ₃ O ₄ @SiO ₂ @TiO ₂ microspheres-based preconcentration and photocatalysis for in situ selective determination of nanomolar dissolved organic and inorganic phosphorus in seawater. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 48-54.	7.8	19
44	A facile electroless preparation of Cu, Sn and Sb oxides coated Ti electrode for electrocatalytic degradation of organic pollutants. <i>Science of the Total Environment</i> , 2021, 772, 144908.	8.0	19
45	Facile fabrication of superhydrophilic and underwater superoleophobic chitosan@polyvinyl alcohol-TiO ₂ coated copper mesh for efficient oil/water separation. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1013-1023.	2.5	18
46	Rational selection of the monomer for molecularly imprinted polymer preparation for selective and sensitive detection of 3-methylindole in water. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 129-136.	3.8	18
47	Red emissive carbon dots obtained from direct calcination of 1,2,4-triaminobenzene for dual-mode pH sensing in living cells. <i>New Journal of Chemistry</i> , 2020, 44, 7210-7217.	2.8	18
48	Uniformly distributed and in situ iron@nitrogen co-doped porous carbon derived from pork liver for rapid and simultaneous detection of dopamine, uric acid, and paracetamol in human blood serum. <i>New Journal of Chemistry</i> , 2017, 41, 2081-2089.	2.8	17
49	Polycrystalline iron oxide nanoparticles prepared by C-dot-mediated aggregation and reduction for supercapacitor application. <i>RSC Advances</i> , 2016, 6, 45023-45030.	3.6	16
50	Fabrication of nitrogen-doped graphene nanosheets anchored with carbon nanotubes for the degradation of tetracycline in saline water. <i>Environmental Research</i> , 2022, 206, 112242.	7.5	15
51	The finite-difference time-domain (FDTD) guided preparation of Ag nanostructures on Ti substrate for sensitive SERS detection of small molecules. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120743.	3.9	13
52	Detection of hidden drugs with a molecularly imprinted electrochemiluminescence sensor. <i>Analytical Methods</i> , 2013, 5, 6064.	2.7	11
53	Assembly of aligned semiconducting carbon nanotubes in organic solvents via introducing inter-tube electrostatic repulsion. <i>Carbon</i> , 2019, 146, 172-180.	10.3	11
54	Immobilization of a water insoluble iridium complex with organosilica nanoparticles for electrochemiluminescence sensing. <i>Analytical Methods</i> , 2014, 6, 5258.	2.7	10

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55	Preparation of Nitrogen and FeP Doped Carbon Nanotubes for Selective and Simultaneous Electrochemical Detection of Dihydroxybenzoic Acid Isomers. <i>Electrochimica Acta</i> , 2017, 242, 107-116.	5.2	10
56	Sensitive determination of total microcystins with GC-MS method by using methylchloroformate as a derivatizing reagent. <i>Analytical Methods</i> , 2013, 5, 1799.	2.7	9
57	Quantum dot induced phototransformation of 2,4-dichlorophenol, and its subsequent chemiluminescence reaction. <i>Mikrochimica Acta</i> , 2012, 178, 203-210.	5.0	7
58	A water-soluble and highly phosphorescent cyclometallated iridium complex with versatile sensing capability. <i>Talanta</i> , 2017, 166, 169-175.	5.5	7
59	Potassium Ferrate(VI) as a Highly Efficient and Environmentally Friendly Chemiluminescence Reagent in Acidic Solution. <i>Analytical Chemistry</i> , 2019, 91, 12255-12259.	6.5	7
60	In-situ dynamic reaction of Ag NPs: Strategy for the construction of a sensitive electrochemical chiral sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128315.	7.8	7
61	Detection of latent fingerprints based on gas phase adsorption of NO and subsequent application of an ultrasonically nebulized fluorescent probe. <i>Analytical Methods</i> , 2017, 9, 1611-1616.	2.7	6
62	A novel cyclometallated iridium(iii) complex based dual-mode phosphorescent probe for detection of acidity and bovine serum albumin. <i>Analytical Methods</i> , 2019, 11, 3033-3040.	2.7	6
63	Simple multistep assembly of hybrid carbon material based microelectrode for highly sensitive detection of neurotransmitters. <i>Journal of Electroanalytical Chemistry</i> , 2020, 863, 114082.	3.8	6
64	Electrochemiluminescence (ECL) Detection of Ammonium Ion Based on a Novel Iridium Complex Modified Electrode. <i>Analytical Letters</i> , 2011, 44, 2503-2512.	1.8	5
65	Graphene Hybrid Aerogels Made via Phase Transfer Strategy. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600541.	3.7	5
66	Controllable design of polycrystalline synergies: Hybrid FeOx nanoparticles applicable to electrochemical sensing antineoplastic drug in mammalian cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 1-9.	7.8	5
67	Controlling the color of tin coating on brass by electroless plating. <i>Chemical Papers</i> , 2019, 73, 1863-1869.	2.2	5
68	A highly active K/Cu-Mn-O catalyst for the removal of nitric oxide in indoor air. <i>Indoor and Built Environment</i> , 2019, 28, 7-16.	2.8	5
69	Luminescent Chemosensor Based on Ru(II) Bipyridine Complex for Detection of Sudan I through Inner Filter Effect. <i>Journal of Fluorescence</i> , 2020, 30, 1543-1551.	2.5	5
70	Rapid and selective luminescent sensing of allergenic gluten by highly phosphorescent switch-on probe. <i>Talanta</i> , 2018, 190, 292-297.	5.5	4
71	Electrochemical Detection of Phosphate Ion in Body Fluids with a Magnesium Phosphate Modified Electrode. <i>Analytical Sciences</i> , 2021, 37, 1247-1252.	1.6	4
72	Biomimetic Gastrointestinal Tract Functions for Metal Absorption Assessment in Edible Plants: Comparison to <i>In Vivo</i> Absorption. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6282-6287.	5.2	3

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73	Catalytic Oxidation of Trichloroethylene over RuO ₂ Supported on Ceria-zirconia Mixed Oxide. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 71-78.	2.6	3
74	The enzymatic performance derived from the lattice planes of Ir nanoparticles. <i>Catalysis Science and Technology</i> , 2022, 12, 1017-1024.	4.1	3
75	Protein-stabilized Ir nanoparticles with usual charge-selective peroxidase properties. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8464-8471.	5.8	2
76	Formation and phase evolution of calcium phosphates modulated by ion exchange ionomer Nafion. <i>CrystEngComm</i> , 2020, 22, 8243-8250.	2.6	2
77	Hybrid Aerogels: Graphene Hybrid Aerogels Made via Phase Transfer Strategy (<i>Adv. Mater. Interfaces</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	3.7	1
78	Controllable etching-induced contact enhancement for high-performance carbon nanotube thin-film transistors. <i>RSC Advances</i> , 2019, 9, 10578-10583.	3.6	1
79	Preparation of a Novel Solid Phase Microextraction Fiber for Headspace GC-MS Analysis of Hazardous Odorants in Landfill Leachate. <i>Processes</i> , 2022, 10, 1045.	2.8	1
80	Flow Injection Determination of the Alkaline Compositions in Boiler Water Based on the Response Curve Modeling. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 6777-6782.	1.1	0