

Jing-Bin Zeng

List of Publications by Year in descending order

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82
papers

3,986
citations

109321

35
h-index

123424

61
g-index

84
all docs

84
docs citations

84
times ranked

4624
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Sulfides as Excellent Co-catalysts for H ₂ O ₂ Decomposition in Advanced Oxidation Processes. <i>CheM</i> , 2018, 4, 1359-1372.	11.7	679
2	Preparation and evaluation of graphene-coated solid-phase microextraction fiber. <i>Analytica Chimica Acta</i> , 2010, 678, 44-49.	5.4	243
3	UV illumination-enhanced ultrasensitive ammonia gas sensor based on (001)TiO ₂ /MXene heterostructure for food spoilage detection. <i>Journal of Hazardous Materials</i> , 2022, 423, 127160.	12.4	197
4	Plasmonic-based nanomaterials for environmental remediation. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 721-741.	20.2	146
5	Anisotropic plasmonic nanostructures for colorimetric sensing. <i>Nano Today</i> , 2020, 32, 100855.	11.9	143
6	In situ one-step synthesis of Fe ₃ O ₄ @MIL-100(Fe) core-shells for adsorption of methylene blue from water. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 186-195.	9.4	121
7	Investigation of the photocatalytic degradation of organochlorine pesticides on a nano-TiO ₂ coated film. <i>Talanta</i> , 2007, 72, 1667-1674.	5.5	101
8	Au/AgI Dimeric Nanoparticles for Highly Selective and Sensitive Colorimetric Detection of Hydrogen Sulfide. <i>Advanced Functional Materials</i> , 2018, 28, 1800515.	14.9	92
9	Au@Ag core/shell nanoparticles as colorimetric probes for cyanide sensing. <i>Nanoscale</i> , 2014, 6, 9939-9943.	5.6	83
10	Magnetic metal-organic framework composites for environmental monitoring and remediation. <i>Coordination Chemistry Reviews</i> , 2020, 413, 213261.	18.8	82
11	ZnO nanorod coating for solid phase microextraction and its applications for the analysis of aldehydes in instant noodle samples. <i>Journal of Chromatography A</i> , 2012, 1246, 22-27.	3.7	79
12	Electrodeposited MoS _x films assisted by liquid crystal template with ultrahigh electrocatalytic activity for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5132-5138.	7.1	78
13	Dispersion of nickel nanoparticles in the cages of metal-organic framework: An efficient sorbent for adsorptive removal of thiophene. <i>Chemical Engineering Journal</i> , 2017, 315, 469-480.	12.7	74
14	MXene-hybridized silane films for metal anticorrosion and antibacterial applications. <i>Applied Surface Science</i> , 2020, 527, 146915.	6.1	69
15	Superhigh-rate capacitive performance of heteroatoms-doped double shell hollow carbon spheres. <i>Carbon</i> , 2015, 86, 235-244.	10.3	68
16	Direct Synthesis of Water-Dispersible Magnetic/Plasmonic Heteronanostructures for Multimodality Biomedical Imaging. <i>Nano Letters</i> , 2019, 19, 3011-3018.	9.1	66
17	A colorimetric agarose gel for formaldehyde measurement based on nanotechnology involving Tollens reaction. <i>Chemical Communications</i> , 2014, 50, 8121-8123.	4.1	65
18	Application of ceramic/carbon composite as a novel coating for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2008, 1188, 26-33.	3.7	64

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19	Optical colorimetric sensor strip for direct readout glucose measurement. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3702-3705.	10.1	62
20	An electrochemically enhanced solid-phase microextraction approach based on a multi-walled carbon nanotubes/Nafion composite coating. <i>Journal of Chromatography A</i> , 2010, 1217, 1735-1741.	3.7	59
21	Controllable Transformation of Aligned ZnO Nanorods to ZIF-8 as Solid-Phase Microextraction Coatings with Tunable Porosity, Polarity, and Conductivity. <i>Analytical Chemistry</i> , 2019, 91, 5091-5097.	6.5	57
22	Ag Nanoparticles with Ultrathin Au Shell-Based Lateral Flow Immunoassay for Colorimetric and SERS Dual-Mode Detection of SARS-CoV-2 IgG. <i>Analytical Chemistry</i> , 2022, 94, 8466-8473.	6.5	56
23	Development of polymethylphenylsiloxane-coated fiber for solid-phase microextraction and its analytical application of qualitative and semi-quantitative of organochlorine and pyrethroid pesticides in vegetables. <i>Analytica Chimica Acta</i> , 2008, 619, 59-66.	5.4	54
24	Ordered mesoporous carbon/Nafion as a versatile and selective solid-phase microextraction coating. <i>Journal of Chromatography A</i> , 2014, 1365, 29-34.	3.7	54
25	Oriented ZnO nanorods grown on a porous polyaniline film as a novel coating for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2013, 1319, 21-26.	3.7	52
26	A new strategy for basic drug extraction in aqueous medium using electrochemically enhanced solid-phase microextraction. <i>Journal of Chromatography A</i> , 2011, 1218, 191-196.	3.7	51
27	Ag@Au core/shell triangular nanoplates with dual enzyme-like properties for the colorimetric sensing of glucose. <i>Chinese Chemical Letters</i> , 2020, 31, 1133-1136.	9.0	51
28	High extraction efficiency for polar aromatic compounds in natural water samples using multiwalled carbon nanotubes/Nafion solid-phase microextraction coating. <i>Journal of Chromatography A</i> , 2009, 1216, 9143-9148.	3.7	49
29	Efficient Enrichment and Analyses of Bacteria at Ultralow Concentration with Quick-Response Magnetic Nanospheres. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9416-9425.	8.0	49
30	A convenient colorimetric method for sensitive and specific detection of cyanide using Ag@Au core-shell nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 366-372.	7.8	48
31	A colorimetric assay for measuring iodide using Au@Ag core-shell nanoparticles coupled with Cu ²⁺ . <i>Analytica Chimica Acta</i> , 2015, 891, 269-276.	5.4	46
32	Colloidal CsPbBr ₃ perovskite nanocrystal films as electrochemiluminescence emitters in aqueous solutions. <i>Nano Research</i> , 2018, 11, 1447-1455.	10.4	46
33	Pd-Fe ₃ O ₄ Janus nanozyme with rational design for ultrasensitive colorimetric detection of biothiols. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113724.	10.1	42
34	Developments and Trends of Molecularly Imprinted Solid-Phase Microextraction. <i>Journal of Chromatographic Science</i> , 2013, 51, 577-586.	1.4	40
35	Multi-Arch-Structured All-Carbon Aerogels with Superelasticity and High Fatigue Resistance as Wearable Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16822-16830.	8.0	40
36	Rapid functionalization of as-synthesized KIT-6 with nickel species occluded with template for adsorptive desulfurization. <i>Microporous and Mesoporous Materials</i> , 2015, 214, 54-63.	4.4	33

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37	Electro-enhanced solid-phase microextraction of bisphenol A from thermal papers using a three-dimensional graphene coated fiber. <i>Journal of Chromatography A</i> , 2019, 1585, 27-33.	3.7	33
38	Photocatalytic degradation investigation of dicofol. <i>Science Bulletin</i> , 2008, 53, 27-32.	1.7	32
39	Facile functionalization of 3-D ordered KIT-6 with cuprous oxide for deep desulfurization. <i>Chemical Engineering Journal</i> , 2017, 330, 372-382.	12.7	32
40	Determination of amphetamines in biological samples using electro enhanced solid-phase microextraction-gas chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 169-175.	2.3	30
41	Superhydrophobic silane-based surface coatings on metal surface with nanoparticles hybridization to enhance anticorrosion efficiency, wearing resistance and antimicrobial ability. <i>Surface and Coatings Technology</i> , 2021, 410, 126966.	4.8	30
42	Graphene deposited onto aligned zinc oxide nanorods as an efficient coating for headspace solid-phase microextraction of gasoline fractions from oil samples. <i>Journal of Chromatography A</i> , 2017, 1530, 45-50.	3.7	29
43	Green light-driven enhanced ammonia sensing at room temperature based on seed-mediated growth of gold-ferrosoferric oxide dumbbell-like heteronanostructures. <i>Nanoscale</i> , 2020, 12, 18815-18825.	5.6	28
44	Highly Specific Colorimetric Probe for Fluoride by Triggering the Intrinsic Catalytic Activity of a AgPt@Fe ₃ O ₄ Hybrid Nanozyme Encapsulated in SiO ₂ Shells. <i>Environmental Science & Technology</i> , 2022, 56, 1713-1723.	10.0	28
45	Development of relatively selective, chemically and mechanically robust solid-phase microextraction fibers based on methacrylic acid-trimethylolpropanetriacrylate co-polymers. <i>Journal of Chromatography A</i> , 2008, 1208, 34-41.	3.7	25
46	Aptamer-functionalized magnetic and fluorescent nanospheres for one-step sensitive detection of thrombin. <i>Mikrochimica Acta</i> , 2018, 185, 77.	5.0	25
47	Optimized bimetallic nickel-iron phosphides with rich defects as enhanced electrocatalysts for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 11-19.	9.4	25
48	Magnetic Relaxation Switching Immunoassay Based on Hydrogen Peroxide-Mediated Assembly of Ag@Au@Fe ₃ O ₄ Nanoprobe for Detection of Aflatoxin B1. <i>Small</i> , 2021, 17, e2104596.	10.0	23
49	Determination of bisphenol A in thermal printing papers treated by alkaline aqueous solution using the combination of single-drop microextraction and HPLC. <i>Journal of Separation Science</i> , 2013, 36, 1298-1303.	2.5	22
50	Octadecyltrimethoxysilane functionalized ZnO nanorods as a novel coating for solid-phase microextraction with strong hydrophobic surface. <i>Analyst</i> , 2012, 137, 4295.	3.5	20
51	Ternary Ni-Fe-V sulfides bundles on nickel foam as free-standing hydrogen evolution electrodes in alkaline medium. <i>Electrochimica Acta</i> , 2017, 256, 241-251.	5.2	20
52	Thermo- and pH-responsive polymer brushes-grafted gigaporous polystyrene microspheres as a high-speed protein chromatography matrix. <i>Journal of Chromatography A</i> , 2016, 1441, 60-67.	3.7	19
53	Distance-Based Detection of Ag ⁺ with Gold Nanoparticles-Coated Microfluidic Paper. <i>Journal of Analysis and Testing</i> , 2021, 5, 11-18.	5.1	19
54	Determination of the Absolute Number Concentration of Nanoparticles and the Active Affinity Sites on Their Surfaces. <i>Analytical Chemistry</i> , 2016, 88, 10134-10142.	6.5	15

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55	MoO ₃ Nanorods Decorated by PbMoO ₄ Nanoparticles for Enhanced Trimethylamine Sensing Performances at Low Working Temperature. ACS Applied Materials & Interfaces, 2022, 14, 24610-24619.	8.0	15
56	Gold nanoparticles deposited on mesoporous carbon as a solid-phase sorbent with enhanced extraction capacity and selectivity for anilines. Mikrochimica Acta, 2017, 184, 3929-3936.	5.0	14
57	Toward ultrasensitive and fast colorimetric detection of indoor formaldehyde across the visible region using cetyltrimethylammonium chloride-capped bone-shaped gold nanorods as "chromophores". Analyst, The, 2019, 144, 4582-4588.	3.5	14
58	Nitrogen-doped oxidized carbon fiber as metal-free electrode towards highly efficient water oxidation. International Journal of Hydrogen Energy, 2017, 42, 28287-28297.	7.1	13
59	Highly sensitive colorimetric detection of NH ₃ based on Au@Ag@AgCl core-shell nanoparticles. Chinese Chemical Letters, 2021, 32, 2807-2811.	9.0	12
60	Cu ₂ O induced Au nanochains for highly sensitive dual-mode detection of hydrogen sulfide. Journal of Hazardous Materials, 2022, 436, 129144.	12.4	11
61	A colorimetric approach for measuring mercuric ions with high selectivity using label-free gold nanoparticles and thiourea. Analytical Methods, 2015, 7, 6837-6841.	2.7	10
62	In Situ Catalysis and Extraction Approach for Fast Evaluation of Heterogeneous Catalytic Efficiency. Analytical Chemistry, 2020, 92, 9989-9996.	6.5	10
63	Magnetic rod-based metal-organic framework metal composite as multifunctional nanostirrer with adsorptive, peroxidase-like and catalytic properties. Chinese Chemical Letters, 2021, 32, 3245-3251.	9.0	10
64	Silicon dioxide "poly(dimethylsiloxane) with a bilayer structure, incorporating multi-walled carbon nanotubes, supported on stainless steel wire as a solid-phase microextraction fiber for the determination of trace phthalate esters in drinking water samples. RSC Advances, 2014, 4, 12313.	3.6	8
65	Magnetic nanospheres for convenient and efficient capture and release of hepatitis B virus DNA. Talanta, 2019, 197, 605-611.	5.5	8
66	Biomimetic fabrication of highly ordered laminae "trestle" laminae structured copper aero-sponge. Nanoscale, 2020, 12, 8982-8990.	5.6	8
67	Matrix colorimetry for high-resolution visual detection of free cyanide with Au@Au "Ag yolk" shell nanoparticles. Journal of Materials Chemistry C, 2021, 9, 4661-4669.	5.5	8
68	In situ synthesis of low silica X zeolite on ceramic honeycombs for adsorption of heavy metals. Journal of Porous Materials, 2013, 20, 1525-1529.	2.6	6
69	Studies in the capacitance properties of diaminoalkane-intercalated graphene. Electrochimica Acta, 2014, 148, 220-227.	5.2	6
70	Ultrasonic-Assisted Drop-to-Drop Solvent Microextraction in a Capillary Tube coupled with GC "FID for Trace Analysis of Phthalate Esters. Journal of Chromatographic Science, 2014, 52, 739-744.	1.4	5
71	Adsorption of atmospheric gas molecules (NH ₃ , H ₂ S, CO, H ₂ ,) Tj ETQq1 1 0.784314 rgBT /Over first-principles study. New Journal of Chemistry, 2021, 45, 5240-5251.	2.8	5
72	The extraction performance of methacrylic acid "trimethylolpropanetrimethacrylate solid-phase microextraction fibers in aqueous solutions. Analytica Chimica Acta, 2009, 648, 194-199.	5.4	4

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73	A Simple, Rapid and Eco-Friendly Approach for the Analysis of Aromatic Amines in Environmental Water Using Single-Drop Microextraction-Gas Chromatography. <i>Journal of Chromatographic Science</i> , 2015, 53, 360-365.	1.4	4
74	Colorimetric Sulfide Sensing: Au/AgI Dimeric Nanoparticles for Highly Selective and Sensitive Colorimetric Detection of Hydrogen Sulfide (<i>Adv. Funct. Mater.</i> 26/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870176.	14.9	4
75	Direct Synthesis of Nanosheetâ€Stacked Hierarchical â€Honey Stickâ€likeâ€MFI Zeolites by an Aromatic Heterocyclic Dualâ€Functional Organic Structureâ€Directing Agent. <i>Chemistry - A European Journal</i> , 2021, 27, 8694-8697.	3.3	4
76	In-situ grafting temperature-responsive hydrogel as a bifunctional solid-phase microextraction coating for tunable extraction of biomacromolecules. <i>Journal of Chromatography A</i> , 2021, 1639, 461928.	3.7	3
77	Ethyl 4-anilino-2,6-bis(4-chlorophenyl)-1-phenyl-1,2,5,6-tetrahydropyridine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o947-o948.	0.2	2
78	Plasmonic Metallic Nanostructures as Colorimetric Probes for Environmental Pollutants. , 2019, , 327-352.		2
79	Alkalized MXene-supported nanoscale zero-valent iron in situ derived from NH ₂ -MIL-88B(Fe) for the highly efficient catalytic reduction of 4-nitrophenol. <i>Materials Today Sustainability</i> , 2022, 18, 100145.	4.1	2
80	1,5-Bis(2-methoxybenzylidene)thiocarbonohydrazide methanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1147-o1147.	0.2	1
81	Cu ²⁺ -Assisted Synthesis of Au@AgI Core/Shell Nanorods via In Situ Oxidation of Iodide: A Strategy for Colorimetric Iodide Sensing. <i>Journal of Analysis and Testing</i> , 2022, 6, 374-381.	5.1	1
82	Bimodal gigaporous polystyrene microspheres with glycopolymer surfaces for high-speed protein chromatography. <i>Microchemical Journal</i> , 2022, 177, 107273.	4.5	0