

Lei Zhang

List of Publications by Year in descending order

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47
papers

2,104
citations

257450

24
h-index

233421

45
g-index

47
all docs

47
docs citations

47
times ranked

2761
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on the removal of tetracycline by multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2011, 178, 26-33.	12.7	338
2	Insight into the energy band alignment of magnetically separable Ag ₂ O/ZnFe ₂ O ₄ p-n heterostructure with rapid charge transfer assisted visible light photocatalysis. <i>Journal of Catalysis</i> , 2019, 370, 289-303.	6.2	165
3	The investigation of synergistic and competitive interaction between dye Congo red and methyl blue on magnetic MnFe ₂ O ₄ . <i>Chemical Engineering Journal</i> , 2014, 246, 88-96.	12.7	158
4	Simultaneous Electrochemical Detection of Benzimidazole Fungicides Carbendazim and Thiabendazole Using a Novel Nanohybrid Material-Modified Electrode. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 727-736.	5.2	113
5	Bubble-supported engineering of hierarchical CuCo ₂ S ₄ hollow spheres for enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5265-5270.	10.3	103
6	Superior performance of 3 D Co-Ni bimetallic oxides for catalytic degradation of organic dye: Investigation on the effect of catalyst morphology and catalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2016, 186, 193-203.	20.2	74
7	N-enriched porous carbon encapsulated bimetallic phosphides with hierarchical structure derived from controlled electrodeposition multilayer ZIFs for electrochemical overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118053.	20.2	72
8	Tailorable yolk-shell Fe ₃ O ₄ @graphitic carbon submicroboxes as efficient extraction materials for highly sensitive determination of trace sulfonamides in food samples. <i>Food Chemistry</i> , 2020, 303, 125369.	8.2	58
9	Magnetic solid-phase extraction using nanoporous three dimensional graphene hybrid materials for high-capacity enrichment and simultaneous detection of nine bisphenol analogs from water sample. <i>Journal of Chromatography A</i> , 2016, 1463, 1-10.	3.7	56
10	Rational design and fabrication of multifunctional catalyzer Co ₂ SnO ₄ -SnO ₂ /GC for catalysis applications: Photocatalytic degradation/catalytic reduction of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 34-42.	20.2	56
11	3D hierarchical magnetic hollow sphere-like CuFe ₂ O ₄ combined with HPLC for the simultaneous determination of Sudan "IV" dyes in preserved bean curd. <i>Food Chemistry</i> , 2018, 241, 268-274.	8.2	54
12	In-situ fabrication of 3D hierarchical flower-like β -Bi ₂ O ₃ @CoO Z-scheme heterojunction for visible-driven simultaneous degradation of multi-pollutants. <i>Journal of Hazardous Materials</i> , 2021, 403, 123566.	12.4	49
13	Architecting Z-scheme Bi ₂ S ₃ @CoO with 3D chrysanthemums-like architecture for both photoelectro-oxidization and -reduction performance under visible light. <i>Chemical Engineering Journal</i> , 2019, 378, 122092.	12.7	48
14	Designed Tb(III)-Functionalized MOF-808 as Visible Fluorescent Probes for Monitoring Bilirubin and Identifying Fingerprints. <i>Inorganic Chemistry</i> , 2021, 60, 3172-3180.	4.0	48
15	Waxberry-like magnetic porous carbon composites prepared from a nickel-organic framework for solid-phase extraction of fluoroquinolones. <i>Mikrochimica Acta</i> , 2017, 184, 4107-4115.	5.0	47
16	Fabrication of 3D hierarchical CoSnO ₃ @CoO pine needle-like array photoelectrode for enhanced photoelectrochemical properties. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18664-18673.	10.3	46
17	In situ confine of Co ₃ ZnCo in N-doped carbon nanotube-grafted graphitic carbon nanoflakes as 1D-2D hierarchical catalysts toward superior redox activity. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119513.	20.2	46
18	Kinetic and thermodynamic studies of adsorption of gallium(III) on nano-TiO ₂ . <i>Rare Metals</i> , 2010, 29, 16-20.	7.1	34

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19	Fabrication of 3D Hierarchical Byttneria Aspera-like Ni@Graphitic Carbon Yolk-shell Microspheres as Bifunctional Catalysts for Ultraefficient Oxidation/Reduction of Organic Contaminants. <i>Small</i> , 2018, 14, e1803188.	10.0	32
20	Sorption characteristics and separation of tellurium ions from aqueous solutions using nano-TiO ₂ . <i>Talanta</i> , 2010, 83, 344-350.	5.5	31
21	Functionalization of magnetic hollow porous oval shape NiFe ₂ O ₄ as a highly selective sorbent for the simultaneous determination of five heavy metals in real samples. <i>Talanta</i> , 2016, 161, 288-296.	5.5	30
22	New approach for the simultaneous determination fungicide residues in food samples by using carbon nanofiber packed microcolumn coupled with HPLC. <i>Food Control</i> , 2016, 60, 1-6.	5.5	29
23	A magnetic cellulose-based carbon fiber hybrid as a dispersive solid-phase extraction material for the simultaneous detection of six bisphenol analogs from environmental samples. <i>Analyst</i> , 2018, 143, 3100-3106.	3.5	26
24	Fast Coadsorption and Selective Separation of Gallium(III) and Germanium(IV) from Aqueous Solutions by 3D Hierarchical Porous Hoya-like Fe-FeOOH. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15939-15947.	6.7	26
25	Fabricated smart sponge with switchable wettability and photocatalytic response for controllable oil-water separation and pollutants removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 92, 278-286.	5.8	26
26	Interfacial electronic modification of bimetallic oxyphosphides as Multi-functional electrocatalyst for water splitting and urea electrolysis. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 546-555.	9.4	26
27	A dual mode photoelectrochemical sensor for nitrobenzene and L-cysteine based on 3D flower-like Cu ₂ SnS ₃ @SnS ₂ double interfacial heterojunction photoelectrode. <i>Journal of Hazardous Materials</i> , 2020, 382, 121026.	12.4	23
28	Assembling 3D hierarchical hollow flower-like Ni@N-doped graphitic carbon for boosting simultaneously efficient removal and sensitive monitoring of multiple sulfonamides. <i>Journal of Hazardous Materials</i> , 2020, 386, 121629.	12.4	23
29	An Electrochemical Method for High Sensitive Detection of Thiabendazole and Its Interaction with Human Serum Albumin. <i>Food Analytical Methods</i> , 2015, 8, 507-514.	2.6	21
30	Fabrication of Porous Zirconia Microspheres as an Efficient Adsorbent for Removal and Recovery of Trace Se(IV) and Te(IV). <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 342-349.	3.7	21
31	3D hierarchical hollow microrod via in-situ growth 2D SnS nanoplates on MOF derived Co, N co-doped carbon rod for electrochemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127208.	7.8	21
32	Controlled synthesis of hollow porous carbon spheres for enrichment and simultaneous determination of nine bisphenols from real samples. <i>Talanta</i> , 2017, 167, 428-435.	5.5	20
33	Z-Scheme 2D/3D hierarchical MoS ₂ @CoMoS ₄ flower-shaped arrays with enhanced full spectrum light photoelectrocatalytic activity for H ₂ O ₂ /p-aminophenol production and contaminant degradation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25890-25903.	10.3	19
34	Separation of trace amounts of Ga and Ge in aqueous solution using nano-particles micro-column. <i>Talanta</i> , 2011, 85, 2463-2469.	5.5	18
35	Fabrication of Dandelion-like p Type Heterostructure of Ag ₂ O@CoO for Bifunctional Photoelectrocatalytic Performance. <i>Langmuir</i> , 2020, 36, 12357-12365.	3.5	17
36	Design and construction of a bifunctional magnetically recyclable 3D CoMn ₂ O ₄ /CF hybrid as an adsorptive photocatalyst for the effective removal of contaminants. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25044-25051.	2.8	15

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37	One-Step Fabrication of a Multifunctional Magnetic Nickel Ferrite/Multi-walled Carbon Nanotubes Nanohybrid-Modified Electrode for the Determination of Benomyl in Food. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4746-4753.	5.2	14
38	Fabrication of Ecofriendly Recycled Marimo-like Hierarchical Micronanostructure Superhydrophobic Materials for Effective and Selective Separation of Oily Pollutants from Water. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5613-5621.	3.7	14
39	An <i>in situ</i> engineered CuCo_2S_4 @ CuCo_2O_4 heterojunction with an O_2 interpenetrated interface as a photoanode for selective photoelectrochemical bioanalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9077-9084.	10.3	14
40	Fabricating multifunctional low-toxicity ratiometric fluorescent probe for individual detection of Cu^{2+} /glutamate and continuous sensing for glutamate via Cu^{2+} -based platform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119892.	3.9	14
41	Fabrication of Octahedral Cu@Graphitic Carbon Cage Complex Porous Structures and Their Microwave-Driven Catalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7800-7811.	6.7	13
42	3D pothole-rich hierarchical carbon framework-encapsulated Ni nanoparticles for highly selective nonenzymatic cysteine detection. <i>Electrochimica Acta</i> , 2019, 328, 135126.	5.2	12
43	Facile fabrication of 3D hierarchical micro-nanostructure fluorine-free superhydrophobic materials by a simple and low-cost method for efficient separation of oil-water mixture and emulsion. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106400.	6.7	9
44	Construction of 3D Bi/ZnSnO ₃ hollow microspheres for label-free highly selective photoelectrochemical recognition of norepinephrine. <i>Nanoscale</i> , 2021, 13, 9270-9279.	5.6	8
45	Sorption behavior of germanium(IV) on titanium dioxide nanoparticles. <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 622-628.	1.3	6
46	New Approach for Highly Selective Separation and Recovery of Osmium and Rhodium by Using a Nanoparticle Microcolumn. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 15200-15206.	3.7	6
47	Construction of magnetic core-ring-structured porous hexagonal NiCo ₂ O ₄ nanoplates/carbon fibers hybrid with enhanced visible-light photocatalytic performance. <i>Journal of Materials Science</i> , 2019, 54, 7617-7627.	3.7	5