Lin Tang

List of Publications by Year
in descending order

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361	29,644	2426	6643
papers	citations	97 h-index	156 g-index

366	366	366	25014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An overview on limitations of TiO2-based particles for photocatalytic degradation of organic pollutants and the corresponding countermeasures. Water Research, 2015, 79, 128-146.	5.3	1,046
2	Covalent organic framework photocatalysts: structures and applications. Chemical Society Reviews, 2020, 49, 4135-4165.	18.7	649
3	Enhanced activation process of persulfate by mesoporous carbon for degradation of aqueous organic pollutants: Electron transfer mechanism. Applied Catalysis B: Environmental, 2018, 231, 1-10.	10.8	614
4	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. Chemical Society Reviews, 2019, 48, 488-516.	18.7	564
5	Modification of biochar derived from sawdust and its application in removal of tetracycline and copper from aqueous solution: Adsorption mechanism and modelling. Bioresource Technology, 2017, 245, 266-273.	4.8	553
6	Insight into highly efficient simultaneous photocatalytic removal of Cr(VI) and 2,4-diclorophenol under visible light irradiation by phosphorus doped porous ultrathin g-C3N4 nanosheets from aqueous media: Performance and reaction mechanism. Applied Catalysis B: Environmental, 2017, 203, 343-354.	10.8	513
7	Sustainable efficient adsorbent: Alkali-acid modified magnetic biochar derived from sewage sludge for aqueous organic contaminant removal. Chemical Engineering Journal, 2018, 336, 160-169.	6.6	449
8	Sorption, transport and biodegradation â€“ An insight into bioavailability of persistent organic pollutants in soil. Science of the Total Environment, 2018, 610-611, 1154-1163.	3.9	402
9	Atomic scale g-C3N4/Bi2WO6 2D/2D heterojunction with enhanced photocatalytic degradation of ibuprofen under visible light irradiation. Applied Catalysis B: Environmental, 2017, 209, 285-294.	10.8	390
10	Magnetic nitrogen-doped sludge-derived biochar catalysts for persulfate activation: Internal electron transfer mechanism. Chemical Engineering Journal, 2019, 364, 146-159.	6.6	375
11	Metal-free carbon materials-catalyzed sulfate radical-based advanced oxidation processes: A review on heterogeneous catalysts and applications. Chemosphere, 2017, 189, 224-238.	4.2	320
12	Changes in heavy metal mobility and availability from contaminated wetland soil remediated with combined biochar-compost. Chemosphere, 2017, 181, 281-288.	4.2	298
13	Various cell architectures of capacitive deionization: Recent advances and future trends. Water Research, 2019, 150, 225-251.	5.3	298
14	Fluorescent and colorimetric sensors for environmental mercury detection. Analyst, The, 2015, 140, 5400-5443.	1.7	294
15	PEI-grafted magnetic porous powder for highly effective adsorption of heavy metal ions. Desalination, 2011, 281, 278-284.	4.0	292
16	Synthesis of Leafâ€Veinâ€Like gâ€C₃N₄ with Tunable Band Structures and Charge Transfer Properties for Selective Photocatalytic H₂O₂ Evolution. Advanced Functional Materials, 2020, 30, 2001922.	7.8	292
17	Plasmonic Bi Metal Deposition and g-C₃N₄ Coating on Bi₂WO₆ Microspheres for Efficient Visible-Light Photocatalysis. ACS Sustainable Chemistry and Engineering, 2017, 5, 1062-1072.	3.2	289
18	0D/2D interface engineering of carbon quantum dots modified Bi2WO6 ultrathin nanosheets with enhanced photoactivity for full spectrum light utilization and mechanism insight. Applied Catalysis B: Environmental, 2018, 222, 115-123.	10.8	288

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19	Insight into electro-Fenton and photo-Fenton for the degradation of antibiotics: Mechanism study and research gaps. Chemical Engineering Journal, 2018, 347, 379-397.	6.6	287
20	Hierarchical porous biochar from shrimp shell for persulfate activation: A two-electron transfer path and key impact factors. Applied Catalysis B: Environmental, 2020, 260, 118160.	10.8	282
21	A hydroquinone biosensor using modified coreâ€“shell magnetic nanoparticles supported on carbon paste electrode. Biosensors and Bioelectronics, 2007, 22, 2121-2126.	5.3	271
22	Electrochemical Sensor Based on Electrodeposited Graphene-Au Modified Electrode and NanoAu Carrier Amplified Signal Strategy for Attomolar Mercury Detection. Analytical Chemistry, 2015, 87, 989-996.	3.2	269
23	Degradation of Lead-Contaminated Lignocellulosic Waste by Phanerochaete chrysosporium and the Reduction of Lead Toxicity. Environmental Science & Technology, 2008, 42, 4946-4951.	4.6	265
24	Biochar for environmental management: Mitigating greenhouse gas emissions, contaminant treatment, and potential negative impacts. Chemical Engineering Journal, 2019, 373, 902-922.	6.6	256
25	An explanation of soil amendments to reduce cadmium phytoavailability and transfer to food chain. Science of the Total Environment, 2019, 660, 80-96.	3.9	254
26	Iron Containing Metalâ€“Organic Frameworks: Structure, Synthesis, and Applications in Environmental Remediation. ACS Applied Materials & Interfaces, 2017, 9, 20255-20275.	4.0	250
27	Metal-free carbon materials for persulfate-based advanced oxidation process: Microstructure, property and tailoring. Progress in Materials Science, 2020, 111, 100654.	16.0	250
28	Immobilization of laccase on magnetic bimodal mesoporous carbon and the application in the removal of phenolic compounds. Bioresource Technology, 2012, 115, 21-26.	4.8	240
29	Combining AHP with GIS in synthetic evaluation of eco-environment qualityâ€”A case study of Hunan Province, China. Ecological Modelling, 2007, 209, 97-109.	1.2	228
30	Construction of plasmonic Ag modified phosphorous-doped ultrathin g-C3N4 nanosheets/BiVO4 photocatalyst with enhanced visible-near-infrared response ability for ciprofloxacin degradation. Journal of Hazardous Materials, 2018, 344, 758-769.	6.5	227
31	Activation of peroxymonosulfate by biochar-based catalysts and applications in the degradation of organic contaminants: A review. Chemical Engineering Journal, 2021, 416, 128829.	6.6	227
32	Enhanced photocatalytic activity of ternary Ag/g-C3N4/NaTaO3 photocatalysts under wide spectrum light radiation: The high potential band protection mechanism. Applied Catalysis B: Environmental, 2018, 230, 102-114.	10.8	225
33	Rapid Detection of Picloram in Agricultural Field Samples Using a Disposable Immunomembrane-Based Electrochemical Sensor. Environmental Science & Technology, 2008, 42, 1207-1212.	4.6	223
34	Synergistic effect of iron doped ordered mesoporous carbon on adsorption-coupled reduction of hexavalent chromium and the relative mechanism study. Chemical Engineering Journal, 2014, 239, 114-122.	6.6	220
35	Enhanced photocatalytic degradation of norfloxacin in aqueous Bi2WO6 dispersions containing nonionic surfactant under visible light irradiation. Journal of Hazardous Materials, 2016, 306, 295-304.	6.5	216
36	Current progress in biosensors for heavy metal ions based on DNAzymes/DNA molecules functionalized nanostructures: A review. Sensors and Actuators B: Chemical, 2016, 223, 280-294.	4.0	216

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37	Selenium contamination, consequences and remediation techniques in water and soils: A review. Environmental Research, 2018, 164, 288-301.	3.7	215
38	The interactions between nanoscale zero-valent iron and microbes in the subsurface environment: A review. Journal of Hazardous Materials, 2017, 321, 390-407.	6.5	207
39	Plasmonic resonance excited dual Z-scheme BiVO₄/Ag/Cu₂O nanocomposite: synthesis and mechanism for enhanced photocatalytic performance in recalcitrant antibiotic degradation. Environmental Science: Nano, 2017, 4, 1494-1511.	2.2	202
40	Antimony contamination, consequences and removal techniques: A review. Ecotoxicology and Environmental Safety, 2018, 156, 125-134.	2.9	199
41	Factors influencing degradation of trichloroethylene by sulfide-modified nanoscale zero-valent iron in aqueous solution. Water Research, 2018, 135, 1-10.	5.3	195
42	A novel sulfur-assisted annealing method of g-C3N4 nanosheet compensates for the loss of light absorption with further promoted charge transfer for photocatalytic production of H2 and H2O2. Applied Catalysis B: Environmental, 2021, 281, 119539.	10.8	186
43	Insight into the dual-channel charge-charrier transfer path for nonmetal plasmonic tungsten oxide based composites with boosted photocatalytic activity under full-spectrum light. Applied Catalysis B: Environmental, 2018, 235, 225-237.	10.8	184
44	Preparation and application of stability enhanced magnetic nanoparticles for rapid removal of Cr(VI). Chemical Engineering Journal, 2011, 175, 222-227.	6.6	183
45	Enhancement of Cd(II) adsorption by polyacrylic acid modified magnetic mesoporous carbon. Chemical Engineering Journal, 2015, 259, 153-160.	6.6	182
46	Electrocatalytic properties of N-doped graphite felt in electro-Fenton process and degradation mechanism of levofloxacin. Chemosphere, 2017, 182, 306-315.	4.2	176
47	Comparative efficacy of organic and inorganic amendments for cadmium and lead immobilization in contaminated soil under rice-wheat cropping system. Chemosphere, 2019, 214, 259-268.	4.2	171
48	Treatment of arsenic in acid wastewater and river sediment by Fe@Fe2O3 nanobunches: The effect of environmental conditions and reaction mechanism. Water Research, 2017, 117, 175-186.	5.3	169
49	Ti₃C₂T_x MXene decorated black phosphorus nanosheets with improved visible-light photocatalytic activity: experimental and theoretical studies. Journal of Materials Chemistry A, 2020, 8, 5171-5185.	5.2	168
50	Insight into highly efficient co-removal of p-nitrophenol and lead by nitrogen-functionalized magnetic ordered mesoporous carbon: Performance and modelling. Journal of Hazardous Materials, 2017, 333, 80-87.	6.5	167
51	Applications and factors influencing of the persulfate-based advanced oxidation processes for the remediation of groundwater and soil contaminated with organic compounds. Journal of Hazardous Materials, 2018, 359, 396-407.	6.5	164
52	Recent advances in waste water treatment through transition metal sulfides-based advanced oxidation processes. Water Research, 2021, 192, 116850.	5.3	163
53	Facile fabrication of mediator-free Z-scheme photocatalyst of phosphorous-doped ultrathin graphitic carbon nitride nanosheets and bismuth vanadate composites with enhanced tetracycline degradation under visible light. Journal of Colloid and Interface Science, 2018, 509, 219-234.	5.0	160
54	In-situ self-assembly construction of hollow tubular g-C3N4 isotype heterojunction for enhanced visible-light photocatalysis: Experiments and theories. Journal of Hazardous Materials, 2021, 401, 123355.	6.5	157

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55	Construction of Plasmonic Ag and Nitrogen-Doped Graphene Quantum Dots Codecorated Ultrathin Graphitic Carbon Nitride Nanosheet Composites with Enhanced Photocatalytic Activity: Full-Spectrum Response Ability and Mechanism Insight. ACS Applied Materials & Interfaces, 2017, 9, 42816-42828.	4.0	152
56	Origin of the Enhanced Reusability and Electron Transfer of the Carbon-Coated Mn₃O₄ Nanocube for Persulfate Activation. ACS Catalysis, 2020, 10, 14857-14870.	5.5	151
57	Synthesis and application of iron and zinc doped biochar for removal of p-nitrophenol in wastewater and assessment of the influence of co-existed Pb(II). Applied Surface Science, 2017, 392, 391-401.	3.1	148
58	pH-dependent degradation of p-nitrophenol by sulfidated nanoscale zerovalent iron under aerobic or anoxic conditions. Journal of Hazardous Materials, 2016, 320, 581-590.	6.5	147
59	Core-shell Ag2CrO4/N-GQDs@g-C3N4 composites with anti-photocorrosion performance for enhanced full-spectrum-light photocatalytic activities. Applied Catalysis B: Environmental, 2018, 239, 525-536.	10.8	147
60	Intimate coupling of photocatalysis and biodegradation for wastewater treatment: Mechanisms, recent advances and environmental applications. Water Research, 2020, 175, 115673.	5.3	146
61	How Do Enzymes â€˜Meetâ€™ Nanoparticles and Nanomaterials?. Trends in Biochemical Sciences, 2017, 42, 914-930.	3.7	144
62	Construction of highly water-stable metal-organic framework UiO-66 thin-film composite membrane for dyes and antibiotics separation. Chemical Engineering Journal, 2020, 385, 123400.	6.6	143
63	Simultaneous removal of lead and phenol contamination from water by nitrogen-functionalized magnetic ordered mesoporous carbon. Chemical Engineering Journal, 2015, 259, 854-864.	6.6	141
64	Facile fabrication of a direct Z-scheme Ag2CrO4/g-C3N4 photocatalyst with enhanced visible light photocatalytic activity. Journal of Molecular Catalysis A, 2016, 421, 209-221.	4.8	141
65	Remediation of Cu, Pb, Zn and Cd-contaminated agricultural soil using a combined red mud and compost amendment. International Biodeterioration and Biodegradation, 2017, 118, 73-81.	1.9	141
66	Inflammatory tumor microenvironment responsive neutrophil exosomes-based drug delivery system for targeted glioma therapy. Biomaterials, 2021, 273, 120784.	5.7	140
67	Recent advances of melamine self-assembled graphitic carbon nitride-based materials: Design, synthesis and application in energy and environment. Chemical Engineering Journal, 2021, 405, 126951.	6.6	139
68	Surfactant-assisted synthesis of photocatalysts: Mechanism, synthesis, recent advances and environmental application. Chemical Engineering Journal, 2019, 372, 429-451.	6.6	135
69	Mesoporous carbon nitride based biosensor for highly sensitive and selective analysis of phenol and catechol in compost bioremediation. Biosensors and Bioelectronics, 2014, 61, 519-525.	5.3	132
70	Ultrathin Bi2WO6 nanosheets loaded g-C3N4 quantum dots: A direct Z-scheme photocatalyst with enhanced photocatalytic activity towards degradation of organic pollutants under wide spectrum light irradiation. Journal of Colloid and Interface Science, 2019, 539, 654-664.	5.0	132
71	Direct Attack and Indirect Transfer Mechanisms Dominated by Reactive Oxygen Species for Photocatalytic H₂O₂ Production on g-C₃N₄ Possessing Nitrogen Vacancies. ACS Catalysis, 2021, 11, 11440-11450.	5.5	132
72	Catalytic reductionâ€“adsorption for removal of p-nitrophenol and its conversion p-aminophenol from water by gold nanoparticles supported on oxidized mesoporous carbon. Journal of Colloid and Interface Science, 2016, 469, 78-85.	5.0	128

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73	Efficient degradation of tetracycline by heterogeneous electro-Fenton process using Cu-doped Fe@Fe2O3: Mechanism and degradation pathway. Chemical Engineering Journal, 2020, 382, 122970.	6.6	128
74	Nanoporous Au-based chronocoulometric aptasensor for amplified detection of Pb2+ using DNAzyme modified with Au nanoparticles. Biosensors and Bioelectronics, 2016, 81, 61-67.	5.3	126
75	Core-shell nanomaterials: Applications in energy storage and conversion. Advances in Colloid and Interface Science, 2019, 267, 26-46.	7.0	125
76	Synergistic adsorption and reduction of hexavalent chromium using highly uniform polyanilineâ€“magnetic mesoporous silica composite. Chemical Engineering Journal, 2014, 254, 302-312.	6.6	124
77	Boosting Photocatalytic Performance in Mixed-Valence MIL-53(Fe) by Changing Fe^{II}/Fe^{III} Ratio. ACS Applied Materials & Interfaces, 2019, 11, 28791-28800.	4.0	121
78	Cd(II) removal from aqueous solution by adsorption on Î±-ketoglutaric acid-modified magnetic chitosan. Applied Surface Science, 2014, 292, 710-716.	3.1	120
79	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. ACS Applied Materials & Interfaces, 2019, 11, 32579-32598.	4.0	120
80	Cadmium removal from simulated wastewater to biomass byproduct of Lentinus edodes. Bioresource Technology, 2008, 99, 7034-7040.	4.8	119
81	Biochar-based functional materials in the purification of agricultural wastewater: Fabrication, application and future research needs. Chemosphere, 2018, 197, 165-180.	4.2	119
82	Maintaining stable LSPR performance of W18O49 by protecting its oxygen vacancy: A novel strategy for achieving durable sunlight driven photocatalysis. Applied Catalysis B: Environmental, 2020, 276, 119167.	10.8	119
83	Efficiency of lime, biochar, Fe containing biochar and composite amendments for Cd and Pb immobilization in a co-contaminated alluvial soil. Environmental Pollution, 2020, 257, 113609.	3.7	118
84	Improved hydrogen evolution activity of layered double hydroxide by optimizing the electronic structure. Applied Catalysis B: Environmental, 2021, 297, 120478.	10.8	116
85	Cobalt nanoparticles-embedded magnetic ordered mesoporous carbon for highly effective adsorption of rhodamine B. Applied Surface Science, 2014, 314, 746-753.	3.1	114
86	Highly sensitive electrochemical sensor using a MWCNTs/GNPs-modified electrode for lead (II) detection based on Pb²⁺-induced G-rich DNA conformation. Analyst, The, 2014, 139, 5014.	1.7	114
87	Aptamer-based biosensors for detection of lead(<scp>ii</scp>) ion: a review. Analytical Methods, 2017, 9, 1976-1990.	1.3	114
88	Effect of exogenous carbonaceous materials on the bioavailability of organic pollutants and their ecological risks. Soil Biology and Biochemistry, 2018, 116, 70-81.	4.2	114
89	Highly effective adsorption of cationic and anionic dyes on magnetic Fe/Ni nanoparticles doped bimodal mesoporous carbon. Journal of Colloid and Interface Science, 2015, 448, 451-459.	5.0	113
90	Changes of microbial population structure related to lignin degradation during lignocellulosic waste composting. Bioresource Technology, 2010, 101, 4062-4067.	4.8	110

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91	Enhancing optical absorption and charge transfer: Synthesis of S-doped h-BN with tunable band structures for metal-free visible-light-driven photocatalysis. Applied Catalysis B: Environmental, 2019, 256, 117827.	10.8	110
92	Organic soil additives for the remediation of cadmium contaminated soils and their impact on the soil-plant system: A review. Science of the Total Environment, 2020, 707, 136121.	3.9	108
93	Ultralow dielectric, fluoride-containing cyanate ester resins with improved mechanical properties and high thermal and dimensional stabilities. Journal of Materials Chemistry C, 2017, 5, 6929-6936.	2.7	106
94	Self-powered photoelectrochemical aptasensor based on phosphorus doped porous ultrathin g-C3N4 nanosheets enhanced by surface plasmon resonance effect. Biosensors and Bioelectronics, 2018, 121, 19-26.	5.3	104
95	Peroxydisulfate activation by sulfur-doped ordered mesoporous carbon: Insight into the intrinsic relationship between defects and 1O2 generation. Water Research, 2022, 221, 118797.	5.3	104
96	Removal of trichloroethylene by biochar supported nanoscale zero-valent iron in aqueous solution. Separation and Purification Technology, 2017, 188, 188-196.	3.9	102
97	Carbon-based coreâ€“shell nanostructured materials for electrochemical energy storage. Journal of Materials Chemistry A, 2018, 6, 7310-7337.	5.2	102
98	Synthesis of branched WO3@W18O49 homojunction with enhanced interfacial charge separation and full-spectrum photocatalytic performance. Chemical Engineering Journal, 2020, 389, 124474.	6.6	101
99	Carbon felt cathodes for electro-Fenton process to remove tetracycline via synergistic adsorption and degradation. Science of the Total Environment, 2019, 670, 921-931.	3.9	99
100	Practical and regenerable electrochemical aptasensor based on nanoporous gold and thymine-Hg 2+ -thymine base pairs for Hg 2+ detection. Biosensors and Bioelectronics, 2017, 90, 542-548.	5.3	98
101	The potential impact on the biodegradation of organic pollutants from composting technology for soil remediation. Waste Management, 2018, 72, 138-149.	3.7	98
102	Metal-organic frameworks (MOFs) and their derivatives as emerging catalysts for electro-Fenton process in water purification. Coordination Chemistry Reviews, 2022, 451, 214277.	9.5	97
103	Physicochemical transformation of Fe/Ni bimetallic nanoparticles during aging in simulated groundwater and the consequent effect on contaminant removal. Water Research, 2018, 129, 51-57.	5.3	94
104	Understanding the influence of carbon nanomaterials on microbial communities. Environment International, 2019, 126, 690-698.	4.8	94
105	Rapid adsorption of 2,4-dichlorophenoxyacetic acid by iron oxide nanoparticles-doped carboxylic ordered mesoporous carbon. Journal of Colloid and Interface Science, 2015, 445, 1-8.	5.0	93
106	Construction of fish-scale tubular carbon nitride-based heterojunction with boosting charge separation in photocatalytic tetracycline degradation and H2O2 production. Chemical Engineering Journal, 2021, 426, 130831.	6.6	92
107	Hypoxia-inducible factor-1Î± contributes to the profibrotic action of angiotensin II in renal medullary interstitial cells. Kidney International, 2011, 79, 300-310.	2.6	91
108	Degradation of trichloroethene by nanoscale zero-valent iron (nZVI) and nZVI activated persulfate in the absence and presence of EDTA. Chemical Engineering Journal, 2017, 316, 410-418.	6.6	91

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109	Effective removal of Cr(<scp>vi</scp>) through adsorption and reduction by magnetic mesoporous carbon incorporated with polyaniline. RSC Advances, 2014, 4, 58362-58371.	1.7	90
110	Chromate removal by surface-modified nanoscale zero-valent iron: Effect of different surface coatings and water chemistry. Journal of Colloid and Interface Science, 2016, 471, 7-13.	5.0	90
111	Rapid reductive degradation of aqueous p-nitrophenol using nanoscale zero-valent iron particles immobilized on mesoporous silica with enhanced antioxidation effect. Applied Surface Science, 2015, 333, 220-228.	3.1	89
112	The dual effects of carboxymethyl cellulose on the colloidal stability and toxicity of nanoscale zero-valent iron. Chemosphere, 2016, 144, 1682-1689.	4.2	88
113	Enhanced visible light photocatalytic performance of polyaniline modified mesoporous single crystal TiO2 microsphere. Applied Surface Science, 2016, 387, 882-893.	3.1	87
114	Electron density modulation of Fe1-xCoxP nanosheet arrays by iron incorporation for highly efficient water splitting. Nano Energy, 2020, 67, 104174.	8.2	87
115	Self-template synthesis of hierarchical CoMoS₃ nanotubes constructed of ultrathin nanosheets for robust water electrolysis. Journal of Materials Chemistry A, 2017, 5, 11309-11315.	5.2	86
116	Ultrathin PtNi nanozyme based self-powered photoelectrochemical aptasensor for ultrasensitive chloramphenicol detection. Biosensors and Bioelectronics, 2019, 146, 111756.	5.3	86
117	Removal and recovery of phosphorus from low-strength wastewaters by flow-electrode capacitive deionization. Separation and Purification Technology, 2020, 237, 116322.	3.9	86
118	Synthesis of Pd/Au bimetallic nanoparticle-loaded ultrathin graphitic carbon nitride nanosheets for highly efficient catalytic reduction of p-nitrophenol. Journal of Colloid and Interface Science, 2017, 490, 834-843.	5.0	85
119	Tube wall delamination engineering induces photogenerated carrier separation to achieve photocatalytic performance improvement of tubular g-C3N4. Journal of Hazardous Materials, 2022, 424, 127177.	6.5	85
120	Aging study on carboxymethyl cellulose-coated zero-valent iron nanoparticles in water: Chemical transformation and structural evolution. Journal of Hazardous Materials, 2016, 312, 234-242.	6.5	84
121	Cr(VI) reduction by Pseudomonas aeruginosa immobilized in a polyvinyl alcohol/sodium alginate matrix containing multi-walled carbon nanotubes. Bioresource Technology, 2011, 102, 10733-10736.	4.8	83
122	Composting of lead-contaminated solid waste with inocula of white-rot fungus. Bioresource Technology, 2007, 98, 320-326.	4.8	82
123	A tyrosinase biosensor based on ordered mesoporous carbonâ€“Au/l-lysine/Au nanoparticles for simultaneous determination of hydroquinone and catechol. Analyst, The, 2013, 138, 3552.	1.7	82
124	Immobilization of cadmium and lead in contaminated paddy field using inorganic and organic additives. Scientific Reports, 2018, 8, 17839.	1.6	82
125	Insight into the key factors in fast adsorption of organic pollutants by hierarchical porous biochar. Journal of Hazardous Materials, 2021, 403, 123610.	6.5	82
126	Nano-pesticides: A great challenge for biodiversity?. Nano Today, 2019, 28, 100757.	6.2	81

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127	Preparation of floating porous g-C3N4 photocatalyst via a facile one-pot method for efficient photocatalytic elimination of tetracycline under visible light irradiation. Chemical Engineering Journal, 2022, 430, 132669.	6.6	78
128	Cow manure and cow manure-derived biochar application as a soil amendment for reducing cadmium availability and accumulation by Brassica chinensis L. in acidic red soil. Journal of Integrative Agriculture, 2017, 16, 725-734.	1.7	76
129	Difunctional chitosan-stabilized Fe/Cu bimetallic nanoparticles for removal of hexavalent chromium wastewater. Science of the Total Environment, 2018, 644, 1181-1189.	3.9	76
130	Structureâ€“performance correlation guided applications of covalent organic frameworks. Materials Today, 2022, 53, 106-133.	8.3	76
131	Physicochemical transformation of carboxymethyl cellulose-coated zero-valent iron nanoparticles (nZVI) in simulated groundwater under anaerobic conditions. Separation and Purification Technology, 2017, 175, 376-383.	3.9	75
132	Environment-friendly fullerene separation methods. Chemical Engineering Journal, 2017, 330, 134-145.	6.6	73
133	Transfer of heavy metals from compost to red soil and groundwater under simulated rainfall conditions. Journal of Hazardous Materials, 2010, 181, 211-216.	6.5	70
134	Spatial analyzing system for urban land-use management based on GIS and multi-criteria assessment modeling. Progress in Natural Science: Materials International, 2008, 18, 1279-1284.	1.8	67
135	Phosphorus-doped ordered mesoporous carbons embedded with Pd/Fe bimetal nanoparticles for the dechlorination of 2,4-dichlorophenol. Catalysis Science and Technology, 2016, 6, 1930-1939.	2.1	67
136	The effects of biochar on antibiotic resistance genes (ARGs) removal during different environmental governance processes: A review. Journal of Hazardous Materials, 2022, 435, 129067.	6.5	67
137	Catechol determination in compost bioremediation using a laccase sensor and artificial neural networks. Analytical and Bioanalytical Chemistry, 2008, 391, 679-685.	1.9	66
138	CdS/Cu2S co-sensitized TiO2 branched nanorod arrays of enhanced photoelectrochemical properties by forming nanoscale heterostructure. Journal of Alloys and Compounds, 2016, 662, 516-527.	2.8	64
139	Label free detection of lead using impedimetric sensor based on ordered mesoporous carbonâ€“gold nanoparticles and DNAzyme catalytic beacons. Talanta, 2016, 146, 641-647.	2.9	64
140	Chromosomal expression of CadR on Pseudomonas aeruginosa for the removal of Cd(II) from aqueous solutions. Science of the Total Environment, 2018, 636, 1355-1361.	3.9	64
141	Comparative assessment of Indian mustard (Brassica juncea L.) genotypes for phytoremediation of Cd and Pb contaminated soils. Environmental Pollution, 2019, 254, 113085.	3.7	64
142	Advances of covalent organic frameworks based on magnetism: Classification, synthesis, properties, applications. Coordination Chemistry Reviews, 2021, 449, 214219.	9.5	62
143	Egg shell biochar-based green catalysts for the removal of organic pollutants by activating persulfate. Science of the Total Environment, 2020, 745, 141095.	3.9	61
144	Tuning Electron Density Endows Fe_{1â€“x}Co_xP with Exceptional Capability of Electrooxidation of Organic Pollutants. Environmental Science & Technology, 2019, 53, 13878-13887.	4.6	59

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145	Visible light-activated self-powered photoelectrochemical aptasensor for ultrasensitive chloramphenicol detection based on DFT-proved Z-scheme Ag2CrO4/g-C3N4/graphene oxide. Journal of Hazardous Materials, 2021, 401, 123395.	6.5	59
146	Removal of Sb(III) by sulfidated nanoscale zerovalent iron: The mechanism and impact of environmental conditions. Science of the Total Environment, 2020, 736, 139629.	3.9	58
147	Self-Powered Photoelectrochemical Aptasensor for Oxytetracycline Cathodic Detection Based on a Dual Z-Scheme WO₃/g-C₃N₄/MnO₂ Photoanode. Analytical Chemistry, 2021, 93, 9129-9138.	3.2	58
148	Bimetallic nanoparticles/metal-organic frameworks: Synthesis, applications and challenges. Applied Materials Today, 2020, 19, 100564.	2.3	57
149	A reusable electrochemical biosensor for highly sensitive detection of mercury ions with an anionic intercalator supported on ordered mesoporous carbon/self-doped polyaniline nanofibers platform. Biochemical Engineering Journal, 2017, 117, 7-14.	1.8	56
150	The reduction of nitrobenzene by extracellular electron transfer facilitated by Fe-bearing biochar derived from sewage sludge. Journal of Hazardous Materials, 2021, 403, 123682.	6.5	56
151	Ultrathin low dimensional heterostructure composites with superior photocatalytic activity: Insight into the multichannel charge transfer mechanism. Chemical Engineering Journal, 2020, 393, 124718.	6.6	54
152	Highly sensitive detection of microcystin-LR under visible light using a self-powered photoelectrochemical aptasensor based on a CoO/Au/g-C₃N₄ Z-scheme heterojunction. Nanoscale, 2019, 11, 12198-12209.	2.8	53
153	Tailoring biochar for persulfate-based environmental catalysis: Impact of biomass feedstocks. Journal of Hazardous Materials, 2022, 424, 127663.	6.5	53
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