

Chongqing Wang

List of Publications by Year in descending order

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91
papers

3,000
citations

126858

33
h-index

189801

50
g-index

92
all docs

92
docs citations

92
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Flotation separation of hazardous polyvinyl chloride towards source control of microplastics based on selective hydrophilization of plasticizer-doping surfaces. <i>Journal of Hazardous Materials</i> , 2022, 423, 127095.	6.5	13
2	Microplastics separation and subsequent carbonization: Synthesis, characterization, and catalytic performance of iron/carbon nanocomposite. <i>Journal of Cleaner Production</i> , 2022, 330, 129901.	4.6	52
3	Preparation of multi-walled carbon nanotubes coated with CoFe ₂ O ₄ nanoparticles and their adsorption performance for Bisphenol A compound. <i>Advanced Powder Technology</i> , 2022, 33, 103438.	2.0	27
4	Biochar-based slow-release of fertilizers for sustainable agriculture: A mini review. <i>Environmental Science and Ecotechnology</i> , 2022, 10, 100167.	6.7	90
5	Peroxymonosulfate catalytic degradation of persistent organic pollutants by engineered catalyst of self-doped iron/carbon nanocomposite derived from waste toner powder. <i>Separation and Purification Technology</i> , 2022, 291, 120963.	3.9	70
6	Efficient degradation of toxic mixed dyes through peroxymonosulfate activation by copper/iron nanoparticles loaded on 3D carbon: Synthesis, characterizations, and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107606.	3.3	18
7	Insight into the effect of aqueous species on microplastics removal by froth flotation: Kinetics and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107834.	3.3	21
8	Controlled carbonization of microplastics loaded nano zero-valent iron for catalytic degradation of tetracycline. <i>Chemosphere</i> , 2022, 303, 135123.	4.2	19
9	Heterogeneous Fenton degradation of persistent organic pollutants using natural chalcopyrite: effect of water matrix and catalytic mechanism. <i>Environmental Science and Pollution Research</i> , 2022, 29, 75651-75663.	2.7	21
10	Stepwise flotation separation of WEEE plastics by polymeric aluminum chloride towards source control of microplastics. <i>Waste Management</i> , 2022, 149, 1-10.	3.7	12
11	Is it possible to efficiently and sustainably remove microplastics from sediments using froth flotation?. <i>Chemical Engineering Journal</i> , 2022, 448, 137692.	6.6	47
12	Production of biochar from renewable resources. , 2021, , 273-287.		3
13	Highly dispersed iron-doped biochar derived from sawdust for Fenton-like degradation of toxic dyes. <i>Journal of Cleaner Production</i> , 2021, 297, 126681.	4.6	97
14	A novel strategy for enhancing heterogeneous Fenton degradation of dye wastewater using natural pyrite: Kinetics and mechanism. <i>Chemosphere</i> , 2021, 272, 129883.	4.2	58
15	Ultrasound assisted Fenton-like degradation of dyes using copper doped graphitic carbon nitride. <i>Water Science and Technology</i> , 2021, 84, 1146-1158.	1.2	12
16	Electro-Fenton approach for highly efficient degradation of the herbicide 2,4-dichlorophenoxyacetic acid from agricultural wastewater: Process optimization, kinetic and mechanism. <i>Journal of Molecular Liquids</i> , 2021, 334, 116116.	2.3	60
17	A critical review of control and removal strategies for microplastics from aquatic environments. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105463.	3.3	70
18	Co-carbonization of red mud and waste sawdust for functional application as Fenton catalyst: Evaluation of catalytic activity and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105368.	3.3	39

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19	Surface alcoholysis induced by alkali-activation ethanol: A novel scheme for binary flotation of polyethylene terephthalate from other plastics. <i>Journal of Cleaner Production</i> , 2021, 314, 128096.	4.6	9
20	Superior fenton-like degradation of tetracycline by iron loaded graphitic carbon derived from microplastics: Synthesis, catalytic performance, and mechanism. <i>Separation and Purification Technology</i> , 2021, 270, 118773.	3.9	71
21	Adsorption of Toxic Zinc by Functionalized Lignocellulose Derived from Waste Biomass: Kinetics, Isotherms and Thermodynamics. <i>Sustainability</i> , 2021, 13, 10673.	1.6	6
22	Copper recovery from waste printed circuit boards by the flotation-leaching process optimized using response surface methodology. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 1483-1491.	0.9	9
23	A review on persulfates activation by functional biochar for organic contaminants removal: Synthesis, characterizations, radical determination, and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106267.	3.3	87
24	Rapid conversion of red mud into soil matrix by co-hydrothermal carbonization with biomass wastes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106039.	3.3	13
25	Is froth flotation a potential scheme for microplastics removal? Analysis on flotation kinetics and surface characteristics. <i>Science of the Total Environment</i> , 2021, 792, 148345.	3.9	28
26	Effect of magnesium ferrite doping with lanthanide ions on dark-, visible- and UV-driven methylene blue degradation on heterogeneous Fenton-like catalysts. <i>Ceramics International</i> , 2021, 47, 29786-29794.	2.3	33
27	A clean and efficient flotation towards recovery of hazardous polyvinyl chloride and polycarbonate microplastics through selective aluminum coating: Process, mechanism, and optimization. <i>Journal of Environmental Management</i> , 2021, 299, 113626.	3.8	11
28	Magnetic copper smelter slag as heterogeneous catalyst for tetracycline degradation: Process variables, kinetics, and characterizations.. <i>Chemosphere</i> , 2021, 285, 131560.	4.2	19
29	Unique metalloid uptake on microplastics: The interaction between boron and microplastics in aquatic environment. <i>Science of the Total Environment</i> , 2021, 800, 149668.	3.9	26
30	Green flotation of polyethylene terephthalate and polyvinyl chloride assisted by surface modification of selective CaCO ₃ coating. <i>Journal of Cleaner Production</i> , 2020, 242, 118441.	4.6	31
31	Ultrasonic improvement of catalytic decomposition of Rhodamine B in simulated wastewater by functional waste printed circuit boards via thermochemical conversion. <i>Journal of Cleaner Production</i> , 2020, 253, 119921.	4.6	16
32	Flotation separation of acrylonitrile-butadiene-styrene and polystyrene in WEEE based on oxidation of active sites. <i>Minerals Engineering</i> , 2020, 146, 106131.	1.8	20
33	Separation of hazardous polyvinyl chloride from waste plastics by flotation assisted with surface modification of ammonium persulfate: Process and mechanism. <i>Journal of Hazardous Materials</i> , 2020, 389, 121918.	6.5	47
34	Green one-spot synthesis of hydrochar supported zero-valent iron for heterogeneous Fenton-like discoloration of dyes at neutral pH. <i>Journal of Molecular Liquids</i> , 2020, 320, 114421.	2.3	53
35	Hydrophilic modification of polycarbonate surface with surface alkoxylation pretreatment for efficient separation of polycarbonate and polystyrene by froth flotation. <i>Waste Management</i> , 2020, 118, 471-480.	3.7	15
36	Flotation separation of polystyrene and polyvinyl chloride based on heterogeneous catalytic Fenton and green synthesis of nanoscale zero valent iron (GnZVI). <i>Journal of Cleaner Production</i> , 2020, 267, 122116.	4.6	16

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37	Effect of a novel phosphate on the flotation of serpentine-containing copper-nickel sulfide ore. <i>Minerals Engineering</i> , 2020, 150, 106276.	1.8	19
38	Neutralization of red mud using bio-acid generated by hydrothermal carbonization of waste biomass for potential soil application. <i>Journal of Cleaner Production</i> , 2020, 271, 122525.	4.6	52
39	Flotation of fine pyrite by using N-dodecyl mercaptan as collector in natural pH pulp. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1571-1575.	2.6	5
40	Investigating the Function of Cryptic Cytochalasan Cytochrome P450 Monooxygenases Using Combinatorial Biosynthesis. <i>Organic Letters</i> , 2019, 21, 8756-8760.	2.4	20
41	Copper-based catalyst from waste printed circuit boards for effective Fenton-like discoloration of Rhodamine B at neutral pH. <i>Chemosphere</i> , 2019, 230, 278-285.	4.2	58
42	Surface modification and selective flotation of waste plastics for effective recycling—a review. <i>Separation and Purification Technology</i> , 2019, 226, 75-94.	3.9	87
43	A novel depressant for selective flotation separation of pyrite and pyrophyllite. <i>Applied Surface Science</i> , 2019, 487, 9-16.	3.1	15
44	Waste printed circuit boards as novel potential engineered catalyst for catalytic degradation of orange II. <i>Journal of Cleaner Production</i> , 2019, 221, 234-241.	4.6	44
45	Copper/carbon composites from waste printed circuit boards as catalysts for Fenton-like degradation of Acid Orange 7 enhanced by ultrasound. <i>AIChE Journal</i> , 2019, 65, 1234-1244.	1.8	16
46	Depression mechanism of pyrophyllite by a novel polysaccharide xanthan gum. <i>Minerals Engineering</i> , 2019, 132, 134-141.	1.8	16
47	Carboxyl functionalized Cinnamomum camphora for removal of heavy metals from synthetic wastewater-contribution to sustainability in agroforestry. <i>Journal of Cleaner Production</i> , 2018, 184, 921-928.	4.6	57
48	Surface treatment using potassium ferrate for separation of polycarbonate and polystyrene waste plastics by froth flotation. <i>Applied Surface Science</i> , 2018, 448, 219-229.	3.1	30
49	Flotation mechanisms of molybdenite fines by neutral oils. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 1-10.	2.4	25
50	Pb(II) sorption from aqueous solution by novel biochar loaded with nano-particles. <i>Chemosphere</i> , 2018, 192, 1-4.	4.2	88
51	Ultrasound-assisted xanthation of cellulose from lignocellulosic biomass optimized by response surface methodology for Pb(II) sorption. <i>Carbohydrate Polymers</i> , 2018, 182, 21-28.	5.1	64
52	Biochar/MnAl-LDH composites for Cu (II) removal from aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 443-450.	2.3	90
53	An effective approach for improving flotation recovery of molybdenite fines from a finely-disseminated molybdenum ore. <i>Journal of Central South University</i> , 2018, 25, 1326-1339.	1.2	4
54	Separation of acrylonitrile-butadiene-styrene and polystyrene waste plastics after surface modification using potassium ferrate by froth flotation. <i>Waste Management</i> , 2018, 78, 829-840.	3.7	20

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55	The Effect of Seaweed Glue in the Separation of Copper-Molybdenum Sulphide Ore by Flotation. Minerals (Basel, Switzerland), 2018, 8, 41.	0.8	14
56	Influence of Particle Size in Talc Suppression by a Galactomannan Depressant. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.8	7
57	Pb(II) sorption by biochar derived from Cinnamomum camphora and its improvement with ultrasound-assisted alkali activation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 177-184.	2.3	80
58	Microwave-assisted surface modification for the separation of polycarbonate from polymethylmethacrylate and polyvinyl chloride waste plastics by flotation. Waste Management and Research, 2017, 35, 294-300.	2.2	14
59	Surface treatment with Fenton for separation of acrylonitrile-butadiene-styrene and polyvinylchloride waste plastics by flotation. Waste Management, 2017, 67, 20-26.	3.7	54
60	A novel process for separation of polycarbonate, polyvinyl chloride and polymethyl methacrylate waste plastics by froth flotation. Waste Management, 2017, 65, 3-10.	3.7	22
61	A novel process for separation of hazardous poly(vinyl chloride) from mixed plastic wastes by froth flotation. Waste Management, 2017, 69, 59-65.	3.7	45
62	Recovery of molybdenum and copper from porphyry ore via iso-flotability flotation. Transactions of Nonferrous Metals Society of China, 2017, 27, 2260-2271.	1.7	24
63	Separation of manganese from calcium and magnesium in sulfate solutions via carbonate precipitation. Transactions of Nonferrous Metals Society of China, 2016, 26, 1118-1125.	1.7	20
64	Ammonia modification for flotation separation of polycarbonate and polystyrene waste plastics. Waste Management, 2016, 51, 13-18.	3.7	43
65	Purification of Pb (II) ions from aqueous solution by camphor leaf modified with succinic anhydride. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 80-85.	2.3	16
66	Optimization of surface treatment for flotation separation of polyvinyl chloride and polyethylene terephthalate waste plastics using response surface methodology. Journal of Cleaner Production, 2016, 139, 866-872.	4.6	37
67	Modified adsorbent hydroxypropyl cellulose xanthate for removal of Cu ²⁺ and Ni ²⁺ from aqueous solution. Desalination and Water Treatment, 2016, 57, 27419-27431.	1.0	15
68	Performance of C/C electric double layer capacitors with coal-based active carbon electrodes. Ionics, 2016, 22, 695-699.	1.2	3
69	Separation of aluminum and plastic by metallurgy method for recycling waste pharmaceutical blisters. Journal of Cleaner Production, 2015, 102, 378-383.	4.6	27
70	Kinetics and leaching behaviors of aluminum from pharmaceutical blisters in sodium hydroxide solution. Journal of Central South University, 2015, 22, 4545-4550.	1.2	13
71	Stepwise dissolution of chalcopyrite bioleaching by thermophile A.manzaensis and mesophile L. ferriphilum. Journal of Central South University, 2015, 22, 3751-3759.	1.2	4
72	Flotation separation of waste plastics for recycling-A review. Waste Management, 2015, 41, 28-38.	3.7	172

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73	Formation of passivation film during pyrrhotite bioleached by pure <i>L. ferriphilum</i> and mixed culture of <i>L. ferriphilum</i> and <i>A. caldus</i> . <i>Journal of Central South University</i> , 2015, 22, 880-886.	1.2	6
74	Recovery of iron from lead-zinc metallurgical slags by bath smelting. <i>Journal of Central South University</i> , 2015, 22, 1256-1263.	1.2	8
75	Interfacial interactions between plastic particles in plastics flotation. <i>Waste Management</i> , 2015, 46, 56-61.	3.7	24
76	Flotation separation of polyvinyl chloride and polyethylene terephthalate plastics combined with surface modification for recycling. <i>Waste Management</i> , 2015, 45, 112-117.	3.7	49
77	Separation of polyethylene terephthalate from municipal waste plastics by froth flotation for recycling industry. <i>Waste Management</i> , 2015, 35, 42-47.	3.7	78
78	Boiling treatment of ABS and PS plastics for flotation separation. <i>Waste Management</i> , 2014, 34, 1206-1210.	3.7	40
79	Flotability and flotation separation of polymer materials modulated by wetting agents. <i>Waste Management</i> , 2014, 34, 309-315.	3.7	46
80	Separation of polycarbonate and acrylonitrile-butadiene-styrene waste plastics by froth flotation combined with ammonia pretreatment. <i>Waste Management</i> , 2014, 34, 2656-2661.	3.7	43
81	Study on hydrometallurgical process and kinetics of manganese extraction from low-grade manganese carbonate ores. <i>International Journal of Mining Science and Technology</i> , 2014, 24, 567-571.	4.6	42
82	Bioleaching behavior and surface property of pyrites in different metallogenic conditions. <i>Diqu Huaxue</i> , 2014, 33, 256-261.	0.5	2
83	Effects of additives on PVC plastics surface and the natural flotability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 544-548.	2.3	22
84	Floatability of polymer materials modulated by frothers. <i>Waste Management</i> , 2013, 33, 2623-2631.	3.7	31
85	Wetting behavior and mechanism of wetting agents on low-energy surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 424, 10-17.	2.3	33
86	Bioleaching of Pyrrhotite by Moderately and Extremely Thermophilic Bacteria. <i>Advanced Materials Research</i> , 2013, 825, 274-279.	0.3	1
87	Selenium resources from the Wolverine deposit, Canada. <i>WIT Transactions on Ecology and the Environment</i> , 2013, , .	0.0	0
88	Sorption of Cd(II) ion by lignocellulose biomass from leaves of camphor tree. , 0, 68, 211-219.		10
89	Degradation of isopropyl ethylthionocarbamate from aqueous solution by Fenton oxidation: RSM optimization, mechanisms, and kinetic analysis. , 0, 130, 87-97.		3
90	Removal of isopropyl ethylthionocarbamate from aqueous solution by oxidation. , 0, 72, 228-234.		1

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91	Erratum to "Degradation of isopropyl ethylthionocarbamate from aqueous solution by Fenton oxidation: RSM optimization, mechanisms, and kinetic analysis" published in vol. 130 (2018) pp. 87-97 (doi: 10.5004/dwt.2018.22846). , 0, 112, 362-362.		0