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 waste plastics for recyclingâ€”A review. Waste Management, 2015, 41, 28-38.	3.7	172
2	Highly dispersed iron-doped biochar derived from sawdust for Fenton-like degradation of toxic dyes. Journal of Cleaner Production, 2021, 297, 126681.	4.6	97
3	Biochar/MnAl-LDH composites for Cu (Î™Î™) removal from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 443-450.	2.3	90
4	Biochar-based slow-release of fertilizers for sustainable agriculture: A mini review. Environmental Science and Ecotechnology, 2022, 10, 100167.	6.7	90
5	Pb(II) sorption from aqueous solution by novel biochar loaded with nano-particles. Chemosphere, 2018, 192, 1-4.	4.2	88
6	Surface modification and selective flotation of waste plastics for effective recyclingâ€”â€”a review. Separation and Purification Technology, 2019, 226, 75-94.	3.9	87
7	A review on persulfates activation by functional biochar for organic contaminants removal: Synthesis, characterizations, radical determination, and mechanism. Journal of Environmental Chemical Engineering, 2021, 9, 106267.	3.3	87
8	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
9	Separation of polyethylene terephthalate from municipal waste plastics by froth flotation for recycling industry. Waste Management, 2015, 35, 42-47.	3.7	78
10	Superior fenton-like degradation of tetracycline by iron loaded graphitic carbon derived from microplastics: Synthesis, catalytic performance, and mechanism. Separation and Purification Technology, 2021, 270, 118773.	3.9	71
11	A critical review of control and removal strategies for microplastics from aquatic environments. Journal of Environmental Chemical Engineering, 2021, 9, 105463.	3.3	70
12	Peroxymonosulfate catalytic degradation of persistent organic pollutants by engineered catalyst of self-doped iron/carbon nanocomposite derived from waste toner powder. Separation and Purification Technology, 2022, 291, 120963.	3.9	70
13	Ultrasound-assisted xanthation of cellulose from lignocellulosic biomass optimized by response surface methodology for Pb(II) sorption. Carbohydrate Polymers, 2018, 182, 21-28.	5.1	64
14	Electro-Fenton approach for highly efficient degradation of the herbicide 2,4-dichlorophenoxyacetic acid from agricultural wastewater: Process optimization, kinetic and mechanism. Journal of Molecular Liquids, 2021, 334, 116116.	2.3	60
15	Copper-based catalyst from waste printed circuit boards for effective Fenton-like discoloration of Rhodamine B at neutral pH. Chemosphere, 2019, 230, 278-285.	4.2	58
16	A novel strategy for enhancing heterogeneous Fenton degradation of dye wastewater using natural pyrite: Kinetics and mechanism. Chemosphere, 2021, 272, 129883.	4.2	58
17	Carboxyl functionalized Cinnamomum camphora for removal of heavy metals from synthetic wastewater-contribution to sustainability in agroforestry. Journal of Cleaner Production, 2018, 184, 921-928.	4.6	57
18	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

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19	Green one-spot synthesis of hydrochar supported zero-valent iron for heterogeneous Fenton-like discoloration of dyes at neutral pH. Journal of Molecular Liquids, 2020, 320, 114421.	2.3	53
20	Neutralization of red mud using bio-acid generated by hydrothermal carbonization of waste biomass for potential soil application. Journal of Cleaner Production, 2020, 271, 122525.	4.6	52
21	Microplastics separation and subsequent carbonization: Synthesis, characterization, and catalytic performance of iron/carbon nanocomposite. Journal of Cleaner Production, 2022, 330, 129901.	4.6	52
22	Flotation separation of polyvinyl chloride and polyethylene terephthalate plastics combined with surface modification for recycling. Waste Management, 2015, 45, 112-117.	3.7	49
23	Separation of hazardous polyvinyl chloride from waste plastics by flotation assisted with surface modification of ammonium persulfate: Process and mechanism. Journal of Hazardous Materials, 2020, 389, 121918.	6.5	47
24	Is it possible to efficiently and sustainably remove microplastics from sediments using froth flotation?. Chemical Engineering Journal, 2022, 448, 137692.	6.6	47
25	Flotability and flotation separation of polymer materials modulated by wetting agents. Waste Management, 2014, 34, 309-315.	3.7	46
26	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
27	Waste printed circuit boards as novel potential engineered catalyst for catalytic degradation of orange II. Journal of Cleaner Production, 2019, 221, 234-241.	4.6	44
28	Separation of polycarbonate and acrylonitrileâ€“butadieneâ€“styrene waste plastics by froth flotation combined with ammonia pretreatment. Waste Management, 2014, 34, 2656-2661.	3.7	43
29	Ammonia modification for flotation separation of polycarbonate and polystyrene waste plastics. Waste Management, 2016, 51, 13-18.	3.7	43
30	Study on hydrometallurgical process and kinetics of manganese extraction from low-grade manganese carbonate ores. International Journal of Mining Science and Technology, 2014, 24, 567-571.	4.6	42
31	Boiling treatment of ABS and PS plastics for flotation separation. Waste Management, 2014, 34, 1206-1210.	3.7	40
32	Co-carbonization of red mud and waste sawdust for functional application as Fenton catalyst: Evaluation of catalytic activity and mechanism. Journal of Environmental Chemical Engineering, 2021, 9, 105368.	3.3	39
33	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
34	Wetting behavior and mechanism of wetting agents on low-energy surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 424, 10-17.	2.3	33
35	Effect of magnesium ferrite doping with lanthanide ions on dark-, visible- and UV-driven methylene blue degradation on heterogeneous Fenton-like catalysts. Ceramics International, 2021, 47, 29786-29794.	2.3	33
36	Floatability of polymer materials modulated by frothers. Waste Management, 2013, 33, 2623-2631.	3.7	31

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37	Green flotation of polyethylene terephthalate and polyvinyl chloride assisted by surface modification of selective CaCO3 coating. Journal of Cleaner Production, 2020, 242, 118441.	4.6	31
38	Surface treatment using potassium ferrate for separation of polycarbonate and polystyrene waste plastics by froth flotation. Applied Surface Science, 2018, 448, 219-229.	3.1	30
39	Is froth flotation a potential scheme for microplastics removal? Analysis on flotation kinetics and surface characteristics. Science of the Total Environment, 2021, 792, 148345.	3.9	28
40	Separation of aluminum and plastic by metallurgy method for recycling waste pharmaceutical blisters. Journal of Cleaner Production, 2015, 102, 378-383.	4.6	27
41	Preparation of multi-walled carbon nanotubes coated with CoFe2O4 nanoparticles and their adsorption performance for Bisphenol A compound. Advanced Powder Technology, 2022, 33, 103438.	2.0	27
42	Unique metalloid uptake on microplastics: The interaction between boron and microplastics in aquatic environment. Science of the Total Environment, 2021, 800, 149668.	3.9	26
43	Flotation mechanisms of molybdenite fines by neutral oils. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 1-10.	2.4	25
44	Interfacial interactions between plastic particles in plastics flotation. Waste Management, 2015, 46, 56-61.	3.7	24
45	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
46	Effects of additives on PVC plastics surface and the natural flotability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 544-548.	2.3	22
47	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
48	Insight into the effect of aqueous species on microplastics removal by froth flotation: Kinetics and mechanism. Journal of Environmental Chemical Engineering, 2022, 10, 107834.	3.3	21
49	Heterogeneous Fenton degradation of persistent organic pollutants using natural chalcopyrite: effect of water matrix and catalytic mechanism. Environmental Science and Pollution Research, 2022, 29, 75651-75663.	2.7	21
50	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
51	Separation of acrylonitrile-butadiene-styrene and polystyrene waste plastics after surface modification using potassium ferrate by froth flotation. Waste Management, 2018, 78, 829-840.	3.7	20
52	Investigating the Function of Cryptic Cytochalasan Cytochrome P450 Monooxygenases Using Combinatorial Biosynthesis. Organic Letters, 2019, 21, 8756-8760.	2.4	20
53	Flotation separation of acrylonitrile-butadiene-styrene and polystyrene in WEEE based on oxidation of active sites. Minerals Engineering, 2020, 146, 106131.	1.8	20
54	Effect of a novel phosphate on the flotation of serpentine-containing copper-nickel sulfide ore. Minerals Engineering, 2020, 150, 106276.	1.8	19

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55	Magnetic copper smelter slag as heterogeneous catalyst for tetracycline degradation: Process variables, kinetics, and characterizations.. Chemosphere, 2021, 285, 131560.	4.2	19
56	Controlled carbonization of microplastics loaded nano zero-valent iron for catalytic degradation of tetracycline. Chemosphere, 2022, 303, 135123.	4.2	19
57	Efficient degradation of toxic mixed dyes through peroxymonosulfate activation by copper/iron nanoparticles loaded on 3D carbon: Synthesis, characterizations, and mechanism. Journal of Environmental Chemical Engineering, 2022, 10, 107606.	3.3	18
58	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
59	Copper/carbon composites from waste printed circuit boards as catalysts for Fentonâ€like degradation of Acid Orange 7 enhanced by ultrasound. AICHE Journal, 2019, 65, 1234-1244.	1.8	16
60	Depression mechanism of pyrophyllite by a novel polysaccharide xanthan gum. Minerals Engineering, 2019, 132, 134-141.	1.8	16
61	Ultrasonic improvement of catalytic decomposition of Rhodamine B in simulated wastewater by functional waste printed circuit boards via thermochemical conversion. Journal of Cleaner Production, 2020, 253, 119921.	4.6	16
62	Flotation separation of polystyrene and polyvinyl chloride based on heterogeneous catalytic Fenton and green synthesis of nanoscale zero valent iron (GnZVI). Journal of Cleaner Production, 2020, 267, 122116.	4.6	16
63	Modified adsorbent hydroxypropyl cellulose xanthate for removal of Cu²⁺ and Ni²⁺ from aqueous solution. Desalination and Water Treatment, 2016, 57, 27419-27431.	1.0	15
64	A novel depressant for selective flotation separation of pyrite and pyrophyllite. Applied Surface Science, 2019, 487, 9-16.	3.1	15
65	Hydrophilic modification of polycarbonate surface with surface alkoxylation pretreatment for efficient separation of polycarbonate and polystyrene by froth flotation. Waste Management, 2020, 118, 471-480.	3.7	15
66	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
67	The Effect of Seaweed Glue in the Separation of Copperâ€“Molybdenum Sulphide Ore by Flotation. Minerals (Basel, Switzerland), 2018, 8, 41.	0.8	14
68	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
69	Rapid conversion of red mud into soil matrix by co-hydrothermal carbonization with biomass wastes. Journal of Environmental Chemical Engineering, 2021, 9, 106039.	3.3	13
70	Flotation separation of hazardous polyvinyl chloride towards source control of microplastics based on selective hydrophilization of plasticizer-doping surfaces. Journal of Hazardous Materials, 2022, 423, 127095.	6.5	13
71	Ultrasound assisted Fenton-like degradation of dyes using copper doped graphitic carbon nitride. Water Science and Technology, 2021, 84, 1146-1158.	1.2	12
72	Stepwise flotation separation of WEEE plastics by polymeric aluminum chloride towards source control of microplastics. Waste Management, 2022, 149, 1-10.	3.7	12

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73	A clean and efficient flotation towards recovery of hazardous polyvinyl chloride and polycarbonate microplastics through selective aluminum coating: Process, mechanism, and optimization. Journal of Environmental Management, 2021, 299, 113626.	3.8	11
74	Sorption of Cd(II) ion by lignocellulose biomass from leaves of camphor tree. , 0, 68, 211-219.		10
75	Surface alcoholysis induced by alkali-activation ethanol: A novel scheme for binary flotation of polyethylene terephthalate from other plastics. Journal of Cleaner Production, 2021, 314, 128096.	4.6	9
76	Copper recovery from waste printed circuit boards by the flotation-leaching process optimized using response surface methodology. Journal of the Air and Waste Management Association, 2021, 71, 1483-1491.	0.9	9
77	Recovery of iron from lead-zinc metallurgical slags by bath smelting. Journal of Central South University, 2015, 22, 1256-1263.	1.2	8
78	Influence of Particle Size in Talc Suppression by a Galactomannan Depressant. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.8	7
79	Formation of passivation film during pyrrhotite bioleached by pure L. ferriphilum and mixed culture of L. ferriphilum and A. caldus. Journal of Central South University, 2015, 22, 880-886.	1.2	6
80	Adsorption of Toxic Zinc by Functionalized Lignocellulose Derived from Waste Biomass: Kinetics, Isotherms and Thermodynamics. Sustainability, 2021, 13, 10673.	1.6	6
81	Flotation of fine pyrite by using N-dodecyl mercaptan as collector in natural pH pulp. Journal of Materials Research and Technology, 2019, 8, 1571-1575.	2.6	5
82	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
83	An effective approach for improving flotation recovery of molybdenite fines from a finely-disseminated molybdenum ore. Journal of Central South University, 2018, 25, 1326-1339.	1.2	4
84	Performance of C/C electric double layer capacitors with coal-based active carbon electrodes. Ionics, 2016, 22, 695-699.	1.2	3
85	Production of biochar from renewable resources. , 2021, , 273-287.		3
86	Degradation of isopropyl ethylthionocarbamate from aqueous solution by Fenton oxidation: RSM optimization, mechanisms, and kinetic analysis. , 0, 130, 87-97.		3
87	Bioleaching behavior and surface property of pyrites in different metallogenic conditions. Diqiu Huaxue, 2014, 33, 256-261.	0.5	2
88	Bioleaching of Pyrrhotite by Moderately and Extremely Thermophilic Bacteria. Advanced Materials Research, 2013, 825, 274-279.	0.3	1
89	Removal of isopropyl ethylthionocarbamate from aqueous solution by oxidation. , 0, 72, 228-234.		1
90	Selenium resources from the Wolverine deposit, Canada. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	0

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