

Ming Zhang

List of Publications by Citations

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27
papers

510
citations

14
h-index

22
g-index

27
ext. papers

599
ext. citations

9.8
avg, IF

4.24
L-index

#	Paper	IF	Citations
27	Biorefinery approach for cassava-based industrial wastes: Current status and opportunities. <i>Bioresource Technology</i> , 2016 , 215, 50-62	11	105
26	Detection of engineered nanoparticles in aquatic environments: current status and challenges in enrichment, separation, and analysis. <i>Environmental Science: Nano</i> , 2019 , 6, 709-735	7.1	55
25	Novel ferromagnetic nanoparticle composited PACls and their coagulation characteristics. <i>Water Research</i> , 2012 , 46, 127-35	12.5	43
24	Comparison of novel magnetic polyaluminum chlorides involved coagulation with traditional magnetic seeding coagulation: Coagulant characteristics, treating effects, magnetic sedimentation efficiency and floc properties. <i>Separation and Purification Technology</i> , 2017 , 182, 118-127	8.3	30
23	Effect of SDBSween 80 mixed surfactants on the distribution of polycyclic aromatic hydrocarbons in soilwater system. <i>Journal of Soils and Sediments</i> , 2010 , 10, 1123-1130	3.4	30
22	Surface-modified microbubbles (colloidal gas aphrons) for nanoparticle removal in a continuous bubble generation-flotation separation system. <i>Water Research</i> , 2017 , 126, 399-410	12.5	28
21	Bio-refractory dissolved organic matter and colorants in cassava distillery wastewater: Characterization, coagulation treatment and mechanisms. <i>Chemosphere</i> , 2017 , 178, 259-267	8.4	24
20	Multiple-pathway remediation of mercury contamination by a versatile selenite-reducing bacterium. <i>Science of the Total Environment</i> , 2018 , 615, 615-623	10.2	24
19	Removal of micron-scale microplastic particles from different waters with efficient tool of surface-functionalized microbubbles. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124095	12.8	19
18	Role of Humic Acid in Enhancing Dissolved Air Flotation for the Removal of TiO ₂ Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 2212-2220	3.9	17
17	Elimination of TiO ₂ nanoparticles with the assist of humic acid: influence of agglomeration in the dissolved air flotation process. <i>Journal of Hazardous Materials</i> , 2013 , 260, 122-30	12.8	17
16	Ozone-encapsulated colloidal gas aphrons for in situ and targeting remediation of phenanthrene-contaminated sediment-aquifer. <i>Water Research</i> , 2019 , 160, 29-38	12.5	16
15	Using Fe(III)-coagulant-modified colloidal gas aphrons to remove bio-recalcitrant dissolved organic matter and colorants from cassava distillery wastewater. <i>Bioresource Technology</i> , 2018 , 268, 346-354	11	15
14	Efficient elimination and re-growth inhibition of harmful bloom-forming cyanobacteria using surface-functionalized microbubbles. <i>Water Research</i> , 2019 , 161, 473-485	12.5	14
13	Polyaluminum chloride-functionalized colloidal gas aphrons for flotation separation of nanoparticles from water. <i>Journal of Hazardous Materials</i> , 2019 , 362, 196-205	12.8	13
12	Coagulative colloidal gas aphrons generated from polyaluminum chloride (PACl)/dodecyl dimethyl betaine (BS-12) solution: Interfacial characteristics and flotation potential. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 530, 209-217	5.1	12
11	Enhanced removal of bio-refractory dissolved organic matter from cassava distillery wastewater by powdered activated carbon-ballasted coagulation: Detailed study of separation characteristics and mechanisms. <i>Chemosphere</i> , 2018 , 211, 1054-1064	8.4	10

10	Comparison of coagulative colloidal microbubbles with monomeric and polymeric inorganic coagulants for tertiary treatment of distillery wastewater. <i>Science of the Total Environment</i> , 2019 , 694, 133649	10.2	9
9	Potential of ozone micro-bombs in simultaneously fast removing bloom-forming cyanobacteria and in situ degrading microcystins. <i>Chemical Engineering Journal</i> , 2021 , 407, 127186	14.7	7
8	Phosphorus removal and recovery from wastewater by highly efficient struvite crystallization in an improved fluidized bed reactor. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 2879-2885	2.8	6
7	Impact of salinity on colloidal ozone aphotons in removing phenanthrene from sediments. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121436	12.8	5
6	Molecular-Weight-Fractionation Characteristics and Coagulation Behaviors of Biorecalcitrant Dissolved Organic Matter and Colorants in Cassava Distillery Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4442-4451	3.9	4
5	What occurs in colloidal gas aphotron-induced separation of titanium dioxide nanoparticles? Particle fate analysis by tracking technologies. <i>Science of the Total Environment</i> , 2020 , 716, 137104	10.2	3
4	Lability-specific enrichment of typical engineered metal (oxide) nanoparticles by surface-functionalized microbubbles from waters. <i>Science of the Total Environment</i> , 2020 , 719, 137526	10.2	3
3	Insights into capture-inactivation/oxidation of antibiotic resistance bacteria and cell-free antibiotic resistance genes from waters using flexibly-functionalized microbubbles.. <i>Journal of Hazardous Materials</i> , 2022 , 428, 128249	12.8	1
2	Fenton micro-reactor on a bubble: A novel microbubble-triggered simultaneous capture and catalytic oxidation strategy for recalcitrant organic pollutant removal.. <i>Science of the Total Environment</i> , 2022 , 835, 155556	10.2	0
1	Morphologically-different cells and colonies cause distinctive performance of coagulative colloidal ozone microbubbles in simultaneously removing bloom-forming cyanobacteria and microcystin-LR.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128986	12.8	