

Hongru Jiang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

123
citations

7
h-index

10
g-index

18
ext. papers

253
ext. citations

9.2
avg, IF

3.61
L-index

#	Paper	IF	Citations
16	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	12.8	1
15	Adsorption of rhodamine B on polyvinyl chloride, polystyrene, and polyethylene terephthalate microplastics in aqueous environments. <i>Environmental Technology and Innovation</i> , 2022 , 27, 102495	7	1
14	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	6.8	0
13	A critical review of control and removal strategies for microplastics from aquatic environments. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105463	6.8	9
12	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	10.3	2
11	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	10.2	3
10	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	7.9	2
9	Unique metalloid uptake on microplastics: The interaction between boron and microplastics in aquatic environment. <i>Science of the Total Environment</i> , 2021 , 800, 149668	10.2	5
8	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	10.3	9
7	Flotation separation of acrylonitrile-butadiene-styrene and polystyrene in WEEE based on oxidation of active sites. <i>Minerals Engineering</i> , 2020 , 146, 106131	4.9	12
6	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	12.8	33
5	Surface treatment with peroxymonosulfate for flotation separation of waste polyvinylchloride and acrylonitrile-butadiene-styrene: Optimization and mechanism. <i>Journal of Cleaner Production</i> , 2020 , 275, 124158	10.3	4
4	Surface Reactions in Selective Modification: The Prerequisite for Plastic Flotation. <i>Environmental Science & Technology</i> , 2020 , 54, 9742-9756	10.3	10
3	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	8.6	5
2	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	10.3	14
1	Boron accumulation by <i>Lemna minor</i> L. under salt stress. <i>Scientific Reports</i> , 2018 , 8, 8954	4.9	12