Xiaobing Li

List of Publications by Year in descending order

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35 papers	657 citations	623699 14 h-index	580810 25 g-index
35 all docs	35 docs citations	35 times ranked	538 citing authors

#	Article	IF	Citations
1	Cyclonic state micro-bubble flotation column in oil-in-water emulsion separation. Separation and Purification Technology, 2016, 165, 101-106.	7.9	87
2	Cyclonic-static micro-bubble flotation column. Minerals Engineering, 2013, 45, 1-3.	4.3	73
3	Novel polyether-polyquaternium copolymer as an effective reverse demulsifier for O/W emulsions: Demulsification performance and mechanism. Fuel, 2020, 263, 116770.	6.4	63
4	Separation of Oil from Wastewater by Column Flotation. Mining Science and Technology, 2007, 17, 546-577.	0.8	48
5	Covalent organic frameworks-based smart materials for mitigation of pharmaceutical pollutants from aqueous solution. Chemosphere, 2022, 286, 131710.	8.2	40
6	Adsorptive removal of oil drops from ASP flooding-produced water by polyether polysiloxane-grafted ZIF-8. Powder Technology, 2021, 378, 76-84.	4.2	32
7	Cyclonic separation process intensification oil removal based on microbubble flotation. International Journal of Mining Science and Technology, 2013, 23, 415-422.	10.3	26
8	Adsorption of oil from waste water by coal: characteristics and mechanism. Mining Science and Technology, 2010, 20, 778-781.	0.3	24
9	Micro-nano bubbles production using a swirling-type venturi bubble generator. Chemical Engineering and Processing: Process Intensification, 2022, 170, 108697.	3.6	24
10	Experimental investigation and modeling of flotation column for treatment of oily wastewater. International Journal of Mining Science and Technology, 2013, 23, 665-668.	10.3	23
11	Separation of Oil from Wastewater by Coal Adsorption-Column Flotation. Separation Science and Technology, 2015, 50, 583-591.	2.5	20
12	A numerical study and flotation experiments of bicyclone column flotation for treating of produced water from ASP flooding. Journal of Water Process Engineering, 2019, 32, 100972.	5.6	19
13	Adsorption behavior of oil-displacing surfactant at oil/water interface: Molecular simulation and experimental. Journal of Water Process Engineering, 2020, 36, 101292.	5.6	19
14	Synergetic adsorption of asphaltenes and oil displacement surfactants on the oil-water interface: Insights on stabilization mechanism of the interfacial film. Chemical Engineering Science, 2021, 245, 116850.	3.8	17
15	Oil removing efficiency in oilâ€“water separation flotation column. Desalination and Water Treatment, 2015, 53, 2456-2463.	1.0	14
16	A type II heterojunction Î±-Fe₂O₃/g-C₃N₄ for the heterogeneous photo-Fenton degradation of phenol. RSC Advances, 2022, 12, 8300-8309.	3.6	14
17	A novel silica-supported polyether polysiloxane quaternary ammonium demulsifier for highly efficient fine-sized oil droplet removal of oil-in-water emulsions. RSC Advances, 2020, 10, 18918-18926.	3.6	13
18	Rapid and large-scale production of carbon dots by salt-assisted electrochemical exfoliation of graphite rods. Journal of Electroanalytical Chemistry, 2019, 851, 113390.	3.8	12

#	Article	IF	Citations
19	Effect of Oil-Displacing Agent Composition on Oil/Water Interface Stability of the Asphaltene-Rich ASP Flooding-Produced Water. Langmuir, 2022, 38, 3329-3338.	3.5	11
20	Preparation and application of supported demulsifier PPA@SiO ₂ for oil removal of oil-in-water emulsion. Separation Science and Technology, 2020, 55, 2538-2549.	2.5	9
21	Enhanced catalytic reduction of p-nitrophenol and azo dyes on copper hexacyanoferrate nanospheres decorated copper foams. Journal of Environmental Management, 2022, 314, 115075.	7.8	9
22	The behavior of interfacial film thinning in oil-in-water emulsion from the produced water from ASP flooding. Separation Science and Technology, 2020, 55, 155-164.	2.5	8
23	The effect of bubble size on oil-water separation efficiency for a novel oil-water separation column. Separation Science and Technology, 2016, 51, 41-48.	2.5	7
24	Reduction of amine mist emissions from a pilot-scale CO₂capture process using charged colloidal gas aphrons. Separation Science and Technology, 2016, 51, 75-82.	2.5	6
25	Gas holdup in cyclone-static micro-bubble flotation column. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	6
26	Demulsification of O/W emulsion using a novel polyether-polyquaternium copolymer: effect of the demulsifier structure and solution environment conditions. Separation Science and Technology, 2021, 56, 811-820.	2.5	6
27	Research of novel process route and scale-up based on oil-water separation flotation column. Journal of Water Reuse and Desalination, 2018, 8, 111-122.	2.3	5
28	Nitric acid-anionic surfactant modified activated carbon to enhance cadmium(II) removal from wastewater: preparation conditions and physicochemical properties. Water Science and Technology, 2018, 78, 1489-1498.	2.5	5
29	Catalytic ozonation of phenylamine in water with a manganese ore. RSC Advances, 2020, 10, 36192-36200.	3.6	5
30	Reducing Amine Aerosol Emissions from Carbon Capture Systems Using Colloidal Gas Aprons. Energy Procedia, 2014, 63, 951-956.	1.8	4
31	Recyclable polyetherâ€“polyquaternium grafted SiO₂ microsphere for efficient treatment of ASP flooding-produced water: oil adsorption characteristics and mechanism. RSC Advances, 2020, 10, 15124-15131.	3.6	3
32	Influence of polymer concentration on the stability of the polymer flooding wastewater: Oil droplets floating behaviour and oilâ€“water interfacial properties. Chemical Engineering and Processing: Process Intensification, 2022, 179, 109044.	3.6	3
33	Enanced removal of scaling cations from oilfield produced water by carrier mineral floatation. Water Science and Technology, 2021, 84, 3629-3640.	2.5	2
34	Effect of gas holdup on the efficiency of cyclonic-static microbubble flotation column for oily wastewater treatment. Environmental Protection Engineering, 2018, 44, .	0.1	0
35	Removal of CO2 from high-temperature flue gas using PDMS/IL composite membranes. New Journal of Chemistry, 0, , .	2.8	0