Jinkai Xue

List of Publications by Year
in descending order

23 papers	555 citations	623188 14 h-index	713013 21 g-index
23 all docs	23 docs citations	23 times ranked	578 citing authors

#	Article	IF	Citations
1	Removal of polystyrene microplastic spheres by alum-based coagulation-flocculation-sedimentation (CFS) treatment of surface waters. Chemical Engineering Journal, 2021, 422, 130023.	6.6	70
2	Comparison of biomass from integrated fixed-film activated sludge (IFAS), moving bed biofilm reactor (MBBR) and membrane bioreactor (MBR) treating recalcitrant organics: Importance of attached biomass. Journal of Hazardous Materials, 2017, 326, 120-129.	6.5	58
3	Effects of ozone pretreatment and operating conditions on membrane fouling behaviors of an anoxic-aerobic membrane bioreactor for oil sands process-affected water (OSPW) treatment. Water Research, 2016, 105, 444-455.	5.3	57
4	Treatment of oil sands process-affected water (OSPW) using a membrane bioreactor with a submerged flat-sheet ceramic microfiltration membrane. Water Research, 2016, 88, 1-11.	5.3	57
5	Effect of carboxyl and hydroxyl groups on adsorptive polysaccharide fouling: A comparative study based on PVDF and graphene oxide (GO) modified PVDF surfaces. Journal of Membrane Science, 2020, 595, 117514.	4.1	43
6	Treatment of oil sands process-affected water using membrane bioreactor coupled with ozonation: A comparative study. Chemical Engineering Journal, 2016, 302, 485-497.	6.6	36
7	Bioreactors for oil sands process-affected water (OSPW) treatment: A critical review. Science of the Total Environment, 2018, 627, 916-933.	3.9	35
8	Bacterial Adhesion to Graphene Oxide (GO)-Functionalized Interfaces Is Determined by Hydrophobicity and GO Sheet Spatial Orientation. Environmental Science and Technology Letters, 2018, 5, 14-19.	3.9	30
9	The role of ozone pretreatment on optimization of membrane bioreactor for treatment of oil sands process-affected water. Journal of Hazardous Materials, 2018, 347, 470-477.	6.5	22
10	Analytical methods to analyze pesticides and herbicides. Water Environment Research, 2019, 91, 1009-1024.	1.3	22
11	What have we known so far about microplastics in drinking water treatment? A timely review. Frontiers of Environmental Science and Engineering, 2022, 16, 58.	3.3	21
12	Treatment of raw and ozonated oil sands process-affected water under decoupled denitrifying anoxic and nitrifying aerobic conditions: a comparative study. Biodegradation, 2016, 27, 247-264.	1.5	19
13	Effects of â€“COOH and â€“NH2 on adsorptive polysaccharide fouling under varying pH conditions: Contributing factors and underlying mechanisms. Journal of Membrane Science, 2021, 621, 118933.	4.1	17
14	Dynamics of naphthenic acids and microbial community structures in a membrane bioreactor treating oil sands process-affected water: impacts of supplemented inorganic nitrogen and hydraulic retention time. RSC Advances, 2017, 7, 17670-17681.	1.7	15
15	A novel conductive composite membrane with polypyrrole (PPy) and stainless-steel mesh: Fabrication, performance, and anti-fouling mechanism. Journal of Membrane Science, 2021, 621, 118937.	4.1	15
16	Physicoâ€chemical processes. Water Environment Research, 2019, 91, 1350-1377.	1.3	13
17	Analytical methods to analyze pesticides and herbicides. Water Environment Research, 2020, 92, 1770-1785.	1.3	7
18	Analytical Methods for Pesticides and Herbicides. Water Environment Research, 2018, 90, 1323-1347.	1.3	6

#	Article	IF	Citations
19	Physicoâ€chemical processes. Water Environment Research, 2020, 92, 1751-1769.	1.3	6
20	Physicoâ€Chemical Processes. Water Environment Research, 2018, 90, 1392-1438.	1.3	3
21	Spatial analysis of designated outdoor smoking areas: accessibility and land use. Journal of Environmental Planning and Management, 2021, 64, 689-702.	2.4	3
22	Biological Fixed Film. Water Environment Research, 2014, 86, 1070-1100.	1.3	0
23	Effect of ozone pretreatment on naphthenic acid biodegradation and fouling behavior in a membrane bioreactor receiving oil sands process-affected water. Proceedings of the Water Environment Federation, 2016, 2016, 5953-5963.	0.0	0