Amir Fouladitajar

List of Publications by Year
in descending order

19	551	759233 12	888059 17
papers	citations	h-index	g-index

19	19	19	562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facile synthesis of hierarchically structured MIL-53(Al) with superior properties using an environmentally-friendly ultrasonic method for separating lead ions from aqueous solutions. Scientific Reports, 2022, 12, 2649.	3.3	24
2	CFD modeling and simulation of concentration polarization reduction by gas sparging cross-flow nanofiltration. Journal of Environmental Chemical Engineering, 2019, 7, 103275.	6.7	6
3	Refinery and petrochemical wastewater treatment. , 2019, , 55-91.		16
4	Preparation and characterization of novel PESâ€(SiO₂â€gâ€PMAA) membranes with antifouling and hydrophilic properties for separation of oilâ€wâ€water emulsions. Polymers for Advanced Technologies, 2019, 30, 2221-2232.	3.2	13
5	Experimental investigation and mathematical modeling of nanoâ€composite membrane fabrication process: Focus on the role of solvent type. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2260.	1.5	7
6	Genetic programming for modeling and optimization of gas sparging assisted microfiltration of oil-in-water emulsion. Desalination and Water Treatment, 2016, 57, 19160-19170.	1.0	3
7	A novel approach to fabricate high performance nano-SiO2 embedded PES membranes for microfiltration of oil-in-water emulsion. Applied Surface Science, 2015, 349, 393-402.	6.1	78
8	Modeling concentration polarization in crossflow microfiltration of oil-in-water emulsion using shear-induced diffusion; CFD and experimental studies. Desalination, 2015, 357, 225-232.	8.2	47
9	Scale-up economic assessment and experimental analysis of MFâ€“RO integrated membrane systems in oily wastewater treatment plants for reuse application. Desalination, 2015, 374, 31-37.	8.2	21
10	Response surface methodology for the modeling and optimization of oil-in-water emulsion separation using gas sparging assisted microfiltration. Environmental Science and Pollution Research, 2015, 22, 2311-2327.	5.3	18
11	Application of gas/liquid two-phase flow in cross-flow microfiltration of oil-in-water emulsion; permeate flux and fouling mechanism analysis. Desalination and Water Treatment, 2014, , 1-11.	1.0	2
12	Computational fluid dynamics modeling and experimental study of continuous and pulsatile flow in flat sheet microfiltration membranes. Journal of Membrane Science, 2014, 450, 207-214.	8.2	49
13	Gas sparging to enhance permeate flux and reduce fouling resistances in cross flow microfiltration. Journal of Industrial and Engineering Chemistry, 2014, 20, 624-632.	5.8	33
14	Experimental studies and statistical analysis of membrane fouling behavior and performance in microfiltration of microalgae by a gas sparging assisted process. Bioresource Technology, 2014, 162, 350-357.	9.6	39
15	Computational fluid dynamics modeling and experimental studies of oil-in-water emulsion microfiltration in a flat sheet membrane using Eulerian approach. Journal of Membrane Science, 2014, 472, 1-9.	8.2	31
16	CFD modeling and simulation of concentration polarization in microfiltration of oilâ€water emulsions; Application of an Eulerian multiphase model. Desalination, 2013, 324, 37-47.	8.2	42
17	Membrane fouling in microfiltration of oil-in-water emulsions; a comparison between constant pressure blocking laws and genetic programming (GP) model. Desalination, 2013, 329, 41-49.	8.2	45
18	Effects of operating parameters on fouling mechanism and membrane flux in cross-flow microfiltration of whey. Desalination, 2011, 274, 262-271.	8.2	72

#	Article	IF	Citations
19	Nanofiltration of oily wastewater containing salt; experimental studies and optimization using response surface methodology. Desalination and Water Treatment, 0, , 1-14.	1.0	5