Behnam Khorshidi

List of Publications by Year
in descending order

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Version: 2024-02-01

25 papers	1,287 citations	430874 18 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1243 citing authors

#	Article	IF	Citations
1	Surface characterization of thin-film composite membranes using contact angle technique: Review of quantification strategies and applications. Advances in Colloid and Interface Science, 2022, 299, 102524.	14.7	63
2	Nanodiamond-decorated thin film composite membranes with antifouling and antibacterial properties. Desalination, 2022, 522, 115436.	8.2	31
3	Novel Lignin-Modified Forward Osmosis Membranes: Waste Materials for Wastewater Treatment. ACS Sustainable Chemistry and Engineering, 2021, 9, 15768-15779.	6.7	16
4	Fabrication of Highly Permeable and Thermally Stable Reverse Osmosis Thin Film Composite Polyamide Membranes. ACS Applied Materials & Interfaces, 2020, 12, 2916-2925.	8.0	44
5	Thermally stable thin film composite polymeric membranes for water treatment: A review. Journal of Cleaner Production, 2020, 250, 119447.	9.3	71
6	Industrial waste lignin as an antifouling coating for the treatment of oily wastewater: Creating wealth from waste. Journal of Cleaner Production, 2020, 256, 120304.	9.3	54
7	Nanodiamond-Enabled Thin-Film Nanocomposite Polyamide Membranes for High-Temperature Water Treatment. ACS Applied Materials & Interfaces, 2020, 12, 53274-53285.	8.0	33
8	Analysis of streaming potential flow and electroviscous effect in a shear-driven charged slit microchannel. Scientific Reports, 2020, 10, 18317.	3.3	15
9	Development of antifouling membranes using agro-industrial waste lignin for the treatment of Canada's oil sands produced water. Journal of Membrane Science, 2020, 611, 118326.	8.2	25
10	New Insights into the Role of the Surrounding Medium Temperature in the Under-Liquid Wetting of Solid Surfaces. Langmuir, 2020, 36, 8301-8310.	3.5	7
11	Development of nanocomposite membranes by biomimicking nanomaterials. , 2020, , 219-236.		2
12	Prospects of nanocomposite membranes for water treatment by osmotic-driven membrane processes. , 2020, , 257-297.		3
13	New insights into the impact of nanoscale surface heterogeneity on the wettability of polymeric membranes. Journal of Membrane Science, 2019, 590, 117270.	8.2	46
14	Integrated Coagulation-Membrane Processes with Zero Liquid Discharge (ZLD) Configuration for the Treatment of Oil Sands Produced Water. Water (Switzerland), 2019, 11, 1348.	2.7	11
15	Efficient treatment of oil sands produced water: Process integration using ion exchange regeneration wastewater as a chemical coagulant. Separation and Purification Technology, 2019, 221, 166-174.	7.9	22
16	Novel nanocomposite polyethersulfone- antimony tin oxide membrane with enhanced thermal, electrical and antifouling properties. Polymer, 2019, 163, 48-56.	3.8	43
17	Robust fabrication of thin film polyamide-TiO2 nanocomposite membranes with enhanced thermal stability and anti-biofouling propensity. Scientific Reports, 2018, 8, 784.	3.3	131
18	Parametric study on the stabilization of metal oxide nanoparticles in organic solvents: A case study with indium tin oxide (ITO) and heptane. Ultrasonics Sonochemistry, 2018, 40, 1003-1013.	8.2	12

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19	Treatment of oil sands produced water using combined electrocoagulation and chemical coagulation techniques. Science of the Total Environment, 2018, 645, 560-572.	8.0	79
20	A parametric study on the synergistic impacts of chemical additives on permeation properties of thin film composite polyamide membrane. Journal of Membrane Science, 2017, 535, 248-257.	8.2	100
21	Effect of process parameters on phase stability and metal-insulator transition of vanadium dioxide (VO2) thin films by pulsed laser deposition. Acta Materialia, 2017, 137, 12-21.	7.9	34
22	Synthesis of thin film composite polyamide membranes: Effect of monohydric and polyhydric alcohol additives in aqueous solution. Journal of Membrane Science, 2017, 523, 336-345.	8.2	66
23	Developing high throughput thin film composite polyamide membranes for forward osmosis treatment of SAGD produced water. Journal of Membrane Science, 2016, 511, 29-39.	8.2	64
24	A Novel Approach Toward Fabrication of High Performance Thin Film Composite Polyamide Membranes. Scientific Reports, 2016, 6, 22069.	3.3	267
25	Thermally resistant and electrically conductive PES/ITO nanocomposite membrane. Journal of Membrane Science, 2016, 500, 151-160.	8.2	48