

# 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	A Novel Approach Toward Fabrication of High Performance Thin Film Composite Polyamide Membranes. <i>Scientific Reports</i> , 2016, 6, 22069.	3.3	267
2	Robust fabrication of thin film polyamide-TiO <sub>2</sub> nanocomposite membranes with enhanced thermal stability and anti-biofouling propensity. <i>Scientific Reports</i> , 2018, 8, 784.	3.3	131
3	A parametric study on the synergistic impacts of chemical additives on permeation properties of thin film composite polyamide membrane. <i>Journal of Membrane Science</i> , 2017, 535, 248-257.	8.2	100
4	Treatment of oil sands produced water using combined electrocoagulation and chemical coagulation techniques. <i>Science of the Total Environment</i> , 2018, 645, 560-572.	8.0	79
5	Thermally stable thin film composite polymeric membranes for water treatment: A review. <i>Journal of Cleaner Production</i> , 2020, 250, 119447.	9.3	71
6	Synthesis of thin film composite polyamide membranes: Effect of monohydric and polyhydric alcohol additives in aqueous solution. <i>Journal of Membrane Science</i> , 2017, 523, 336-345.	8.2	66
7	Developing high throughput thin film composite polyamide membranes for forward osmosis treatment of SAGD produced water. <i>Journal of Membrane Science</i> , 2016, 511, 29-39.	8.2	64
8	Surface characterization of thin-film composite membranes using contact angle technique: Review of quantification strategies and applications. <i>Advances in Colloid and Interface Science</i> , 2022, 299, 102524.	14.7	63
9	Industrial waste lignin as an antifouling coating for the treatment of oily wastewater: Creating wealth from waste. <i>Journal of Cleaner Production</i> , 2020, 256, 120304.	9.3	54
10	Thermally resistant and electrically conductive PES/ITO nanocomposite membrane. <i>Journal of Membrane Science</i> , 2016, 500, 151-160.	8.2	48
11	New insights into the impact of nanoscale surface heterogeneity on the wettability of polymeric membranes. <i>Journal of Membrane Science</i> , 2019, 590, 117270.	8.2	46
12	Fabrication of Highly Permeable and Thermally Stable Reverse Osmosis Thin Film Composite Polyamide Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2916-2925.	8.0	44
13	Novel nanocomposite polyethersulfone- antimony tin oxide membrane with enhanced thermal, electrical and antifouling properties. <i>Polymer</i> , 2019, 163, 48-56.	3.8	43
14	Effect of process parameters on phase stability and metal-insulator transition of vanadium dioxide (VO <sub>2</sub> ) thin films by pulsed laser deposition. <i>Acta Materialia</i> , 2017, 137, 12-21.	7.9	34
15	Nanodiamond-Enabled Thin-Film Nanocomposite Polyamide Membranes for High-Temperature Water Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53274-53285.	8.0	33
16	Nanodiamond-decorated thin film composite membranes with antifouling and antibacterial properties. <i>Desalination</i> , 2022, 522, 115436.	8.2	31
17	Development of antifouling membranes using agro-industrial waste lignin for the treatment of Canada's oil sands produced water. <i>Journal of Membrane Science</i> , 2020, 611, 118326.	8.2	25
18	Efficient treatment of oil sands produced water: Process integration using ion exchange regeneration wastewater as a chemical coagulant. <i>Separation and Purification Technology</i> , 2019, 221, 166-174.	7.9	22

#	ARTICLE	IF	CITATIONS
19	Novel Lignin-Modified Forward Osmosis Membranes: Waste Materials for Wastewater Treatment. ACS Sustainable Chemistry and Engineering, 2021, 9, 15768-15779.	6.7	16
20	Analysis of streaming potential flow and electroviscous effect in a shear-driven charged slit microchannel. Scientific Reports, 2020, 10, 18317.	3.3	15
21	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
22	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
23	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
24	Prospects of nanocomposite membranes for water treatment by osmotic-driven membrane processes. , 2020, , 257-297.		3
25	Development of nanocomposite membranes by biomimicking nanomaterials. , 2020, , 219-236.		2