

Nanofoaming of Polyamide Desalination Membranes To

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Temperature measurement of the reaction zone during polyamide film formation by interfacial polymerization. <i>Journal of Membrane Science</i> , 2018, 566, 329-335.	8.2	55
2	Ceramic-supported thin film composite membrane for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2018, 563, 857-863.	8.2	62
3	Rapid water transport through controllable, ultrathin polyamide nanofilms for high-performance nanofiltration. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15701-15709.	10.3	148
4	Tannic Acid/ Fe^{3+} Nanoscaffold for Interfacial Polymerization: Toward Enhanced Nanofiltration Performance. <i>Environmental Science & Technology</i> , 2018, 52, 9341-9349.	10.0	310
5	Potable Water Reuse through Advanced Membrane Technology. <i>Environmental Science & Technology</i> , 2018, 52, 10215-10223.	10.0	363
6	Preparation of nanocavity-contained thin film composite nanofiltration membranes with enhanced permeability and divalent to monovalent ion selectivity. <i>Desalination</i> , 2018, 445, 115-122.	8.2	96
7	Electron tomography reveals details of the internal microstructure of desalination membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8694-8699.	7.1	69
8	3D printed polyamide membranes for desalination. <i>Science</i> , 2018, 361, 682-686.	12.6	359
9	Construction of MoS ₂ composite membranes on ceramic hollow fibers for efficient water desalination. <i>Journal of Membrane Science</i> , 2019, 592, 117369.	8.2	45
10	Nanofibrous hydrogel composite membranes with ultrafast transport performance for molecular separation in organic solvents. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19269-19279.	10.3	90
11	Rapid co-deposition of graphene oxide incorporated metal-phenolic network/piperazine followed by crosslinking for high flux nanofiltration membranes. <i>Journal of Membrane Science</i> , 2019, 588, 117203.	8.2	26
12	The upper bound of thin-film composite (TFC) polyamide membranes for desalination. <i>Journal of Membrane Science</i> , 2019, 590, 117297.	8.2	381
13	Tailoring Polyamide Rejection Layer with Aqueous Carbonate Chemistry for Enhanced Membrane Separation: Mechanistic Insights, Chemistry-Structure-Property Relationship, and Environmental Implications. <i>Environmental Science & Technology</i> , 2019, 53, 9764-9770.	10.0	91
14	Double-Crosslinked GO Interlayer Framework as a Pervaporation Hybrid Membrane with High Performance. <i>ACS Omega</i> , 2019, 4, 15043-15050.	3.5	12
15	Seawater pretreatment with an NF-like forward osmotic membrane: Membrane preparation, characterization and performance comparison with RO-like membranes. <i>Desalination</i> , 2019, 470, 114115.	8.2	18
16	New Insights into the Role of an Interlayer for the Fabrication of Highly Selective and Permeable Thin-Film Composite Nanofiltration Membrane. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7349-7356.	8.0	234
17	High-performance polyamide/ceramic hollow fiber TFC membranes with TiO ₂ interlayer for pervaporation dehydration of isopropanol solution. <i>Journal of Membrane Science</i> , 2019, 576, 26-35.	8.2	60
18	Highly permeable and highly selective ultrathin film composite polyamide membranes reinforced by reactable polymer chains. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 418-425.	9.4	24

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19	MOF-positioned polyamide membranes with a fishnet-like structure for elevated nanofiltration performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16313-16322.	10.3	166
20	From micro to nano: Polyamide thin film on microfiltration ceramic tubular membranes for nanofiltration. <i>Journal of Membrane Science</i> , 2019, 587, 117161.	8.2	51
21	Supramolecular-Based Regenerable Coating Layer of a Thin-Film Composite Nanofiltration Membrane for Simultaneously Enhanced Desalination and Antifouling Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21137-21149.	8.0	92
22	Confined nanobubbles shape the surface roughness structures of thin film composite polyamide desalination membranes. <i>Journal of Membrane Science</i> , 2019, 582, 342-349.	8.2	143
23	Emerging R&D on membranes and systems for water reuse and desalination. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1578-1585.	3.5	27
24	Graphene oxide (GO)-interlayered thin-film nanocomposite (TFN) membranes with high solvent resistance for organic solvent nanofiltration (OSN). <i>Journal of Materials Chemistry A</i> , 2019, 7, 13315-13330.	10.3	86
25	Thin-film nanocomposite membranes incorporated with water stable metal-organic framework CuBTTri for mitigating biofouling. <i>Journal of Membrane Science</i> , 2019, 582, 289-297.	8.2	58
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27	Effects of the support on the characteristics and permselectivity of thin film composite membranes. <i>Journal of Membrane Science</i> , 2019, 580, 12-23.	8.2	88
28	Hydrophilic Silver Nanoparticles Induce Selective Nanochannels in Thin Film Nanocomposite Polyamide Membranes. <i>Environmental Science & Technology</i> , 2019, 53, 5301-5308.	10.0	190
29	Synthesis and gas transport properties of polyamide membranes containing PDMS groups. <i>RSC Advances</i> , 2019, 9, 9737-9744.	3.6	17
30	Thin film nanocomposite hollow fiber membranes comprising Na ⁺ -functionalized carbon quantum dots for brackish water desalination. <i>Water Research</i> , 2019, 154, 54-61.	11.3	79
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33	Fabrication of a novel and green thin-film composite membrane containing nanovoids for water purification. <i>Journal of Membrane Science</i> , 2019, 570-571, 314-321.	8.2	54
34	High-performance thin-film composite polyamide membranes developed with green ultrasound-assisted interfacial polymerization. <i>Journal of Membrane Science</i> , 2019, 570-571, 112-119.	8.2	84
35	Improved reverse osmosis thin film composite biomimetic membranes by incorporation of polymersomes. <i>Journal of Membrane Science</i> , 2020, 593, 117392.	8.2	23
36	Tailoring the internal void structure of polyamide films to achieve highly permeable reverse osmosis membranes for water desalination. <i>Journal of Membrane Science</i> , 2020, 595, 117518.	8.2	46

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37	Resorcinol-formaldehyde nanobowls modified thin film nanocomposite membrane with enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 594, 117468.	8.2	42
38	Fast surface crosslinking ceramic hollow fiber pervaporation composite membrane with outstanding separation performance for isopropanol dehydration. <i>Separation and Purification Technology</i> , 2020, 234, 116116.	7.9	14
39	A Facile and Scalable Fabrication Procedure for Thin-Film Composite Membranes: Integration of Phase Inversion and Interfacial Polymerization. <i>Environmental Science & Technology</i> , 2020, 54, 1946-1954.	10.0	56
40	Fabrication of Highly Permeable and Thermally Stable Reverse Osmosis Thin Film Composite Polyamide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2916-2925.	8.0	44
41	Charting the quantitative relationship between two-dimensional morphology parameters of polyamide membranes and synthesis conditions. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 102-109.	3.4	8
42	Chemically functionalized polyamide thin film composite membranes: The art of chemistry. <i>Desalination</i> , 2020, 495, 114655.	8.2	43
43	High-Performance Zwitterionic Nanofiltration Membranes Fabricated via Microwave-Assisted Grafting of Betaine. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35523-35531.	8.0	23
44	A Critical Review on Thin-Film Nanocomposite Membranes with Interlayered Structure: Mechanisms, Recent Developments, and Environmental Applications. <i>Environmental Science & Technology</i> , 2020, 54, 15563-15583.	10.0	308
45	Nanodiamond-Enabled Thin-Film Nanocomposite Polyamide Membranes for High-Temperature Water Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53274-53285.	8.0	33
46	Immobilization of sulfonated polysulfone via 2D LDH nanosheets during phase-inversion: A novel strategy towards greener membrane synthesis and enhanced desalination performance. <i>Journal of Membrane Science</i> , 2020, 614, 118508.	8.2	23
47	Mechanistic Insights into the Role of Polydopamine Interlayer toward Improved Separation Performance of Polyamide Nanofiltration Membranes. <i>Environmental Science & Technology</i> , 2020, 54, 11611-11621.	10.0	137
48	PIP/TMC Interfacial Polymerization with Electrospray: Novel Loose Nanofiltration Membrane for Dye Wastewater Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36148-36158.	8.0	130
49	Probing the Contributions of Interior and Exterior Channels of Nanofillers toward the Enhanced Separation Performance of a Thin-Film Nanocomposite Reverse Osmosis Membrane. <i>Environmental Science and Technology Letters</i> , 2020, 7, 766-772.	8.7	41
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56	Dissecting the Role of Substrate on the Morphology and Separation Properties of Thin Film Composite Polyamide Membranes: Seeing Is Believing. <i>Environmental Science & Technology</i> , 2020, 54, 6978-6986.	10.0	123
57	Engineering a Nanocomposite Interlayer for a Novel Ceramic-Based Forward Osmosis Membrane with Enhanced Performance. <i>Environmental Science & Technology</i> , 2020, 54, 7715-7724.	10.0	63
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64	Electrosprayed polyamide nanofiltration membrane with intercalated structure for controllable structure manipulation and enhanced separation performance. <i>Journal of Membrane Science</i> , 2020, 602, 117971.	8.2	68
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66	High-performance nanofiltration membrane structured with enhanced stripe nano-morphology. <i>Journal of Membrane Science</i> , 2020, 600, 117852.	8.2	57
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74	Polydopamine nanoparticles modified nanofiber supported thin film composite membrane with enhanced adhesion strength for forward osmosis. Journal of Membrane Science, 2021, 618, 118673.	8.2	45
75	Highly improved organic solvent reverse osmosis (OSRO) membrane for organic liquid mixture separation by simple heat treatment. Journal of Membrane Science, 2021, 618, 118710.	8.2	27
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129	Novel Poly(ester amide) Membranes with Tunable Crosslinked Structures for Nanofiltration. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10782-10792.	8.0	30
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