

Polyamide nanofiltration membrane with high separation performance
EDC/NHS mediated interfacial polymerization

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Polymeric Solvent-Resistant Nanofiltration Membranes. <i>Advances in Polymer Technology</i> , 2014, 33, .	1.7	115
2	Preparation and characterization of high-selectivity hollow fiber composite nanofiltration membrane by two-way coating technique. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	11
3	Antifouling, High-Flux Nanofiltration Membranes Enabled by Dual Functional Polydopamine. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5548-5557.	8.0	189
4	Dopamine composite nanofiltration membranes prepared by self-polymerization and interfacial polymerization. <i>Journal of Membrane Science</i> , 2014, 465, 41-48.	8.2	161
5	A New Crosslinker for the Preparation of Silk Fibroin Hydrogels. <i>Macromolecular Symposia</i> , 2015, 354, 273-279.	0.7	4
6	Design of an antibacterial gelatin based on a covalent protein-protein coupling. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	1
7	High-Performance Multilayer Composite Membranes with Mussel-Inspired Polydopamine as a Versatile Molecular Bridge for CO ₂ Separation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15481-15493.	8.0	117
8	Fabrication of composite nanofiltration membranes with enhanced structural stability for concentrating oligomeric proanthocyanidins in ethanol aqueous solution. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1902-1909.	2.7	6
9	Development of photocatalytic coupled zinc-iron oxide nanoparticles via solution combustion for bisphenol-A removal. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 346-352.	3.9	19
10	Tailoring interlayer structure of molecular layer-by-layer assembled polyamide membranes for high separation performance. <i>Applied Surface Science</i> , 2015, 356, 659-667.	6.1	38
11	Nanofiltration membranes via co-deposition of polydopamine/polyethylenimine followed by cross-linking. <i>Journal of Membrane Science</i> , 2015, 476, 50-58.	8.2	294
12	Preparation of thin film composite nanofiltration membrane with improved structural stability through the mediation of polydopamine. <i>Journal of Membrane Science</i> , 2015, 476, 10-19.	8.2	196
13	Recent advances in polymer and polymer composite membranes for reverse and forward osmosis processes. <i>Progress in Polymer Science</i> , 2016, 61, 104-155.	24.7	345
14	Improving the water permeability and antifouling property of thin-film composite polyamide nanofiltration membrane by modifying the active layer with triethanolamine. <i>Journal of Membrane Science</i> , 2016, 513, 108-116.	8.2	147
15	Preparation of thin film nanofibrous composite NF membrane based on EDC/NHS modified PAN-AA nanofibrous substrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 137, 012047.	0.6	2
16	Thin film composite nanofiltration membrane prepared by the interfacial polymerization of 1,2,4,5-benzene tetracarbonyl chloride on the mixed amines cross-linked poly(ether imide) support. <i>Journal of Membrane Science</i> , 2016, 520, 19-28.	8.2	84
17	Chemistry and fabrication of polymeric nanofiltration membranes: A review. <i>Polymer</i> , 2016, 103, 417-456.	3.8	362
18	Polyamide/polyacrylonitrile thin film composites as forward osmosis membranes. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	21

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19	Polypiperazine-amide Nanofiltration Membrane Modified by Different Functionalized Multiwalled Carbon Nanotubes (MWCNTs). <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19135-19144.	8.0	262
20	Shielding membrane surface carboxyl groups by covalent-binding graphene oxide to improve anti-fouling property and the simultaneous promotion of flux. <i>Water Research</i> , 2016, 102, 619-628.	11.3	59
21	Preparation and properties of EDC/NHS mediated crosslinking poly (gamma-glutamic) Tj ETQq0 0 0 rgBT /Overlock 1,0 Tf 50 662 Td (acidic)	7.3	114
22	A facile approach to construct hierarchical dense membranes via polydopamine for enhanced propylene/nitrogen separation. <i>Journal of Membrane Science</i> , 2016, 499, 290-300.	8.2	35
23	High-performance nanofiltration membrane prepared by dopamine-assisted interfacial polymerization on PES nanofibrous scaffolds. <i>Desalination and Water Treatment</i> , 2016, 57, 9549-9557.	1.0	18
24	A durable thin-film nanofibrous composite nanofiltration membrane prepared by interfacial polymerization on a double-layer nanofibrous scaffold. <i>RSC Advances</i> , 2017, 7, 18001-18013.	3.6	39
25	Effect of free volume and formation mechanisms of polyamide layers on nanofiltration membrane. <i>Separation and Purification Technology</i> , 2017, 187, 443-452.	7.9	20
26	Incorporation of carboxylic monoamines into thin-film composite polyamide membranes to enhance nanofiltration performance. <i>Journal of Membrane Science</i> , 2017, 539, 52-64.	8.2	99
27	Poly(p-phenylene terephthamide) embedded in a polysulfone as the substrate for improving compaction resistance and adhesion of a thin film composite polyamide membrane. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13610-13624.	10.3	63
28	Polydopamine Coatings with Nanopores for Versatile Molecular Separation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14437-14444.	8.0	107
29	Improving Permeation and Antifouling Performance of Polyamide Nanofiltration Membranes through the Incorporation of Arginine. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13577-13586.	8.0	97
30	High salt permeation nanofiltration membranes based on NMG-assisted polydopamine coating for dye/salt fractionation. <i>Desalination</i> , 2017, 413, 29-39.	8.2	50
31	A review on semi-aromatic polyamide TFC membranes prepared by interfacial polymerization: Potential for water treatment and desalination. <i>Separation and Purification Technology</i> , 2017, 181, 159-182.	7.9	214
32	Codeposition of catechol–polyethyleneimine followed by interfacial polymerization for nanofiltration membranes with enhanced stability. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45422.	2.6	31
33	Nominal effective immunoreaction volume of magnetic beads at single bead level. <i>Journal of Zhejiang University: Science B</i> , 2017, 18, 845-853.	2.8	4
34	High efficient removal of dyes from aqueous solution through nanofiltration using diethanolamine-modified polyamide thin-film composite membrane. <i>Separation and Purification Technology</i> , 2017, 173, 135-143.	7.9	200
35	Preparation and characterization of an amphiphilic polyamide nanofiltration membrane with improved antifouling properties by two-step surface modification method. <i>RSC Advances</i> , 2018, 8, 13353-13363.	3.6	28
36	Integrated polyamide thin-film nanofibrous composite membrane regulated by functionalized interlayer for efficient water/isopropanol separation. <i>Journal of Membrane Science</i> , 2018, 553, 70-81.	8.2	67

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37	Modification of polyamide TFC nanofiltration membrane for improving separation and antifouling properties. RSC Advances, 2018, 8, 15102-15110.	3.6	42
38	Specific detection of latent human blood fingerprints using antibody modified NaYF ₄ : Yb, Er, Gd fluorescent upconversion nanorods. Dyes and Pigments, 2018, 149, 822-829.	3.7	24
39	Polyamide thin-film composite membrane fabricated through interfacial polymerization coupled with surface amidation for improved reverse osmosis performance. Journal of Membrane Science, 2018, 566, 87-95.	8.2	36
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47	Understanding the chlorination mechanism and the chlorine-induced separation performance evolution of poly(piperazine-amide) nanofiltration membrane. Journal of Membrane Science, 2019, 573, 36-45.	8.2	41
48	A multiple mixed TiO ₂ mesocrystal junction based PEC-colorimetric immunoassay for specific recognition of lipolysis stimulated lipoprotein receptor. Biosensors and Bioelectronics, 2020, 148, 111809.	10.1	19
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56	Enhancing Polyvalent Cation Rejection Using Perfluorophenylazide-Grafted-Copolymer Membrane Coatings. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42030-42040.	8.0	11
57	Polydopamine Bilayer Nanofiltration Membranes with Excellent Resistance to Delamination. <i>Journal of Macromolecular Science - Physics</i> , 2020, 59, 521-541.	1.0	0
58	Antibacterial efficacy of chitosan- and poly(hexamethylene biguanide)-immobilized nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 844-854.	7.5	35
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60	Reduction of Biofouling of a Microfiltration Membrane Using Amide Functionalities—Hydrophilization without Changes in Morphology. <i>Polymers</i> , 2020, 12, 1379.	4.5	5
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68	Polycaprolactone film functionalized with bacteriophage T4 promotes antibacterial activity of food packaging toward <i>Escherichia coli</i> . <i>Food Chemistry</i> , 2021, 346, 128883.	8.2	34
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74	Effective purification of lysozyme from chicken egg white by tris(hydroxymethyl)aminomethane affinity nanofiber membrane. <i>Food Chemistry</i> , 2020, 327, 127038.	8.2	23
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78	Photothermal triggered clinical swab point-of-care testing diagnostics: fluorescence-pressure multi-signal readout detection of cervical cancer biomarker. <i>Chemical Engineering Journal</i> , 2022, 436, 135205.	12.7	6
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81	Zwitterion grafted forward osmosis membranes with superwetting property via atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 0, , .	2.6	0
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