

Polypiperazine-amide Nanofiltration Membrane Modified with Multiwalled Carbon Nanotubes (MWCNTs)

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Novel Swelling-Resistant Sodium Alginate Membrane Branching Modified by Glycogen for Highly Aqueous Ethanol Solution Pervaporation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27243-27253.	4.0	46
2	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.	1.7	39
3	Highly sensitive amperometric detection of drugs and antioxidants on non-functionalized multi-walled carbon nanotubes: Effect of metallic impurities?. <i>Electrochimica Acta</i> , 2017, 240, 80-89.	2.6	26
4	Novel thin-film nanocomposite membranes filled with multi-functional Ti ₃ C ₂ T _x nanosheets for task-specific solvent transport. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 100, 139-149.	3.8	90
5	A tight nanofiltration membrane with multi-charged nanofilms for high rejection to concentrated salts. <i>Journal of Membrane Science</i> , 2017, 537, 407-415.	4.1	104
6	Highly porous carbon nanotube/polysulfone nanocomposite supports for high-flux polyamide reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2017, 539, 441-450.	4.1	81
7	Zwitterionic carbon nanotube assisted thin-film nanocomposite membranes with excellent efficiency for separation of mono/divalent ions from brackish water. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13730-13739.	5.2	58
8	Improving the chlorine-tolerant ability of polypiperazine-amide nanofiltration membrane by adding NH ₂ -PEG-NH ₂ in the aqueous phase. <i>Journal of Membrane Science</i> , 2017, 538, 9-17.	4.1	39
9	Improving Permeation and Antifouling Performance of Polyamide Nanofiltration Membranes through the Incorporation of Arginine. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13577-13586.	4.0	97
10	High permselectivity hyperbranched polyester/polyamide ultrathin films with nanoscale heterogeneity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7876-7884.	5.2	63
11	Elevated Performance of Thin Film Nanocomposite Membranes Enabled by Modified Hydrophilic MOFs for Nanofiltration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1975-1986.	4.0	368
12	Sulfonated multiwall carbon nanotubes assisted thin-film nanocomposite membrane with enhanced water flux and anti-fouling property. <i>Journal of Membrane Science</i> , 2017, 524, 344-353.	4.1	180
13	Positively charged capillary nanofiltration membrane with high rejection for Mg ²⁺ and Ca ²⁺ and good separation for Mg ²⁺ and Li ⁺ . <i>Desalination</i> , 2017, 420, 158-166.	4.0	170
14	Tailoring the polyester/polyamide backbone stiffness for the fabrication of high performance nanofiltration membrane. <i>Journal of Membrane Science</i> , 2017, 541, 483-491.	4.1	40
15	Mussel-Inspired Architecture of High-Flux Loose Nanofiltration Membrane Functionalized with Antibacterial Reduced Graphene Oxide-Copper Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28990-29001.	4.0	125
16	Enhancing the performance of thin-film nanocomposite nanofiltration membranes using MAH-modified GO nanosheets. <i>RSC Advances</i> , 2017, 7, 54898-54910.	1.7	62
17	Functionalized carbon nanotube (CNT) membrane: progress and challenges. <i>RSC Advances</i> , 2017, 7, 51175-51198.	1.7	192
18	Chlorine attack on reverse osmosis membranes: Mechanisms and mitigation strategies. <i>Journal of Membrane Science</i> , 2017, 541, 108-126.	4.1	144

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19	Antifouling sulfonated polyamide nanofiltration hollow fiber membrane prepared with mixed diamine monomers of BDSA and PIP. <i>RSC Advances</i> , 2017, 7, 56629-56637.	1.7	27
20	Guanidinium-functionalized nanofiltration membranes integrating anti-fouling and antimicrobial effects. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6442-6454.	5.2	101
21	Thin film composite membranes containing intrinsic CD cavities in the selective layer. <i>Journal of Membrane Science</i> , 2018, 551, 294-304.	4.1	64
22	Self-Cleaning and Antibacterial Zeolitic Imidazolate Framework Coatings. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800167.	1.9	41
23	Combined Effects of Surface Charge and Pore Size on Co-Enhanced Permeability and Ion Selectivity through RGO-OCNT Nanofiltration Membranes. <i>Environmental Science & Technology</i> , 2018, 52, 4827-4834.	4.6	79
24	Multiwalled carbon nanotubes incorporated with or without amino groups for aqueous Pb(II) removal: Comparison and mechanism study. <i>Journal of Molecular Liquids</i> , 2018, 260, 149-158.	2.3	57
25	Chlorine resistant TFN nanofiltration membrane incorporated with octadecylamine-grafted GO and fluorine-containing monomer. <i>Journal of Membrane Science</i> , 2018, 545, 185-195.	4.1	112
26	Recent development of novel membranes for desalination. <i>Desalination</i> , 2018, 434, 37-59.	4.0	183
27	The effects of modified carbon nanotubes on the thermal properties of erythritol as phase change materials. <i>Energy Conversion and Management</i> , 2018, 157, 41-48.	4.4	70
28	Improved performance of polyamide nanofiltration membranes by incorporating reduced glutathione during interfacial polymerization. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2487-2495.	1.2	4
29	Thin-Film Nanocomposite Forward-Osmosis Membranes on Hydrophilic Microfiltration Support with an Intermediate Layer of Graphene Oxide and Multiwall Carbon Nanotube. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34464-34474.	4.0	108
30	Three-channel capillary NF membrane with PAMAM-MWCNT-embedded inner polyamide skin layer for heavy metals removal. <i>RSC Advances</i> , 2018, 8, 29455-29463.	1.7	30
31	Zwitterions functionalized multi-walled carbon nanotubes/polyamide hybrid nanofiltration membranes for monovalent/divalent salts separation. <i>Separation and Purification Technology</i> , 2018, 206, 59-68.	3.9	69
32	Preparation of carboxylic multiwalled-carbon-nanotube-modified poly(m-phenylene isophthalamide) hollow fiber nanofiltration membranes with improved performance and application for dye removal. <i>Applied Surface Science</i> , 2018, 453, 502-512.	3.1	36
33	Tuning the functional groups of carbon quantum dots in thin film nanocomposite membranes for nanofiltration. <i>Journal of Membrane Science</i> , 2018, 564, 394-403.	4.1	161
34	Graphene oxide incorporated thin film nanocomposite membrane at low concentration monomers. <i>Journal of Membrane Science</i> , 2018, 565, 380-389.	4.1	127
35	Direct electrochemical detection of guanosine-5'-monophosphate at choline monolayer supported and gold nanocages functionalized carbon nanotubes sensing interface. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 343-348.	4.0	15
36	Thin film nanocomposite nanofiltration membranes from amine functionalized-boron nitride/polypiperazine amide with enhanced flux and fouling resistance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12066-12081.	5.2	122

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38	Development of novel oxygen carriers by coupling hemoglobin to functionalized multiwall carbon nanotubes. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4821-4832.	2.9	6
39	Sulfaguanidine nanofiltration active layer towards anti-adhesive and antimicrobial attributes for desalination and dye removal. <i>RSC Advances</i> , 2019, 9, 20715-20727.	1.7	14
40	High permselectivity thin-film composite nanofiltration membranes with 3D microstructure fabricated by incorporation of beta cyclodextrin. <i>Separation and Purification Technology</i> , 2019, 227, 115718.	3.9	42
41	Influence of l-arginine on performances of polyamide thin-film composite reverse osmosis membranes. <i>RSC Advances</i> , 2019, 9, 20149-20160.	1.7	14
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43	SiO ₂ -modified nanocomposite nanofiltration membranes with high flux and acid resistance. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47436.	1.3	26
44	Preparation of high-flux PSF/GO loose nanofiltration hollow fiber membranes with dense-loose structure for treating textile wastewater. <i>Chemical Engineering Journal</i> , 2019, 363, 33-42.	6.6	102
45	Fabrication of hybrid ultrafiltration membranes with improved water separation properties by incorporating environmentally friendly taurine modified hydroxyapatite nanotubes. <i>Journal of Membrane Science</i> , 2019, 577, 274-284.	4.1	64
46	Superhydrophilic, Underwater Superoleophobic, and Highly Stretchable Humidity and Chemical Vapor Sensors for Human Breath Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24533-24543.	4.0	70
47	Polyamide Nanofiltration Membranes Incorporated with Cellulose Nanocrystals for Enhanced Water Flux and Chlorine Resistance. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	12
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49	Enhancing the Permeability and Antifouling Properties of Polyamide Composite Reverse Osmosis Membrane by Surface Modification with Zwitterionic Amino Acid <i>l</i> -Arginine. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900706.	1.9	35
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53	Preparation of thermo-responsive PNIPAAm-MWCNT membranes and evaluation of its antifouling properties in dairy wastewater. <i>Materials Science and Engineering C</i> , 2019, 103, 109779.	3.8	10
54	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.	4.0	92

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56	Eco-friendly construction of dye-fouled loose CS/PAN nanofibrous composite membranes for permeability-selectivity anti-trade-off property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 569, 145-155.	2.3	24
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59	A novel double-modified strategy to enhance the performance of thin-film nanocomposite nanofiltration membranes: Incorporating functionalized graphenes into supporting and selective layers. <i>Chemical Engineering Journal</i> , 2019, 368, 186-201.	6.6	60
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61	High flux hyperbranched starch-graphene oxide piperazinamide composite nanofiltration membrane. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103300.	3.3	39
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70	Resorcinol-formaldehyde nanobowls modified thin film nanocomposite membrane with enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 594, 117468.	4.1	42
71	Adsorption behavior and mechanism of Pb(II) and complex Cu(II) species by biowaste-derived char with amino functionalization. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 215-225.	5.0	54
72	Recent advances in mitigating membrane biofouling using carbon-based materials. <i>Journal of Hazardous Materials</i> , 2020, 382, 120976.	6.5	67

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74	Construction of high selectivity and antifouling nanofiltration membrane via incorporating macrocyclic molecules into active layer. <i>Journal of Membrane Science</i> , 2020, 597, 117641.	4.1	45
75	Scalable electric-field-assisted fabrication of vertically aligned carbon nanotube membranes with flow enhancement. <i>Carbon</i> , 2020, 157, 208-216.	5.4	20
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82	High flux thin-film nanocomposites with embedded boron nitride nanotubes for nanofiltration. <i>Journal of Membrane Science</i> , 2020, 597, 117749.	4.1	40
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89	Rational Design of Halloysite Surface Chemistry for High Performance Nanotubeâ€“Thin Film Nanocomposite Gas Separation Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37527-37537.	4.0	14
90	High-flux nanofiltration membranes prepared with Î²-cyclodextrin and graphene quantum dots. <i>Journal of Membrane Science</i> , 2020, 612, 118465.	4.1	44

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92	Incorporation of Core-Shell-Structured Zwitterionic Carbon Dots in Thin-Film Nanocomposite Membranes for Simultaneously Improved Perm-Selectivity and Antifouling Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53215-53229.	4.0	34
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94	Monovalent/Divalent salts separation via thin film nanocomposite nanofiltration membrane containing aminated TiO ₂ nanoparticles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 112, 169-179.	2.7	35
95	Tuning the Surface Structure of Polyamide Membranes Using Porous Carbon Nitride Nanoparticles for High-Performance Seawater Desalination. <i>Membranes</i> , 2020, 10, 163.	1.4	12
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97	Sharpening Nanofiltration: Strategies for Enhanced Membrane Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39948-39966.	4.0	242
98	Flexible Double-Sided Light-Emitting Devices Based on Transparent Embedded Interdigital Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43892-43900.	4.0	10
99	Enhancing Polyvalent Cation Rejection Using Perfluorophenylazide-Grafted-Copolymer Membrane Coatings. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42030-42040.	4.0	11
100	Pultruded GFRP Reinforcing Bars Using Nanomodified Vinyl Ester. <i>Materials</i> , 2020, 13, 5710.	1.3	9
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102	Characterization of Electrochemical Sensors Based on Carbon Nanotubes and MIPS for Determination of Ferulic Acid. , 0, , .		0
103	Ultrathin Film Composite Membranes Fabricated by Novel In Situ Free Interfacial Polymerization for Desalination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25304-25315.	4.0	101
104	Magnetic solid-phase extraction based on magnetic amino modified multiwalled carbon nanotubes for the fast determination of seven pesticide residues in water samples. <i>Analytical Methods</i> , 2020, 12, 2747-2756.	1.3	17
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110	Fabrication of High-Performance Thin-Film Composite Nanofiltration Membrane by Dynamic Calcium-Carboxyl Intra-Bridging during Post-Treatment. <i>Membranes</i> , 2020, 10, 137.	1.4	13
111	Fabrication of high performance TFN membrane containing NH ₂ -SWCNTs <i>via</i> interfacial regulation. <i>RSC Advances</i> , 2020, 10, 25186-25199.	1.7	14
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113	An ultrahighly permeable-selective nanofiltration membrane mediated by an <i>in situ</i> formed interlayer. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5275-5283.	5.2	116
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117	A polyamide membrane with tubular crumples incorporating carboxylated single-walled carbon nanotubes for high water flux. <i>Desalination</i> , 2020, 479, 114330.	4.0	39
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120	Superior nanofiltration membranes with gradient cross-linked selective layer fabricated via controlled hydrolysis. <i>Journal of Membrane Science</i> , 2020, 604, 118067.	4.1	58
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122	Applications of MXene-based membranes in water purification: A review. <i>Chemosphere</i> , 2020, 254, 126821.	4.2	166
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125	Improving the efficacy of PES-based mixed matrix membranes incorporated with citric acid-amylose-modified MWCNTs for HA removal from water. <i>Polymer Bulletin</i> , 2021, 78, 1293-1311.	1.7	12
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131	Recent advances in high-performance TFC membranes: A review of the functional interlayers. <i>Desalination</i> , 2021, 500, 114869.	4.0	127
132	Novel aminated graphene quantum dots (GQDs-NH ₂)-engineered nanofiltration membrane with high Mg ²⁺ /Li ⁺ separation efficiency. <i>Separation and Purification Technology</i> , 2021, 258, 118042.	3.9	42
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136	High-Flux Fine Hollow Fiber Nanofiltration Membranes for the Purification of Drinking Water. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 1817-1828.	1.8	10
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