

Elevated Performance of Thin Film Nanocomposite Membranes with Hydrophilic MOFs for Nanofiltration

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Covalently bonded zeolitic imidazolate frameworks and polymers with enhanced compatibility in thin film nanocomposite membranes for gas separation. <i>Journal of Membrane Science</i> , 2017, 540, 155-164.	4.1	79
2	Development of Hybrid Ultrafiltration Membranes with Improved Water Separation Properties Using Modified Superhydrophilic Metal-Organic Framework Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21473-21484.	4.0	189
3	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.	5.2	63
4	Construction of TiO ₂ @graphene oxide incorporated antifouling nanofiltration membrane with elevated filtration performance. <i>Journal of Membrane Science</i> , 2017, 533, 279-288.	4.1	171
5	Two-Dimensional Zeolitic Imidazolate Framework/Carbon Nanotube Hybrid Networks Modified Proton Exchange Membranes for Improving Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35075-35085.	4.0	111
6	Agar Aerogel Containing Small-Sized Zeolitic Imidazolate Framework Loaded Carbon Nitride: A Solar-Triggered Regenerable Decontaminant for Convenient and Enhanced Water Purification. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9347-9354.	3.2	60
7	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
8	Metal-organic frameworks based membranes for liquid separation. <i>Chemical Society Reviews</i> , 2017, 46, 7124-7144.	18.7	557
9	High flux electroneutral loose nanofiltration membranes based on rapid deposition of polydopamine/polyethyleneimine. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14847-14857.	5.2	195
10	Highly permeable zeolite imidazolate framework composite membranes fabricated via a chelation-assisted interfacial reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15342-15355.	5.2	108
11	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
12	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
13	High-flux thin film composite membranes for nanofiltration mediated by a rapid co-deposition of polydopamine/piperazine. <i>Journal of Membrane Science</i> , 2018, 554, 97-108.	4.1	131
14	Fabrication of composite membranes using copper metal organic framework for energy application. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
15	Fabrication and characterization of novel antimicrobial thin film nano-composite membranes based on copper nanoparticles. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2737-2747.	1.6	17
16	Nanoporous materials in polymeric membranes for desalination. <i>Current Opinion in Chemical Engineering</i> , 2018, 20, 19-27.	3.8	31
17	Thin film nanocomposite membranes incorporated with graphene quantum dots for high flux and antifouling property. <i>Journal of Membrane Science</i> , 2018, 553, 17-24.	4.1	166
18	Interfacial growth of metal-organic framework membranes on porous polymers via phase transformation. <i>Chemical Communications</i> , 2018, 54, 3590-3593.	2.2	28

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19	Water-selective permeation in hybrid membrane incorporating multi-functional hollow ZIF-8 nanospheres. <i>Journal of Membrane Science</i> , 2018, 555, 146-156.	4.1	57
20	Fabrication of WO ₃ /UiO-66 nanocomposites and effects of WO ₃ ratio on photocatalytic performance: judgement of the optimal content and mechanism study. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2710-2718.	1.6	10
21	Thin-Film Nanocomposite Nanofiltration Membranes Incorporated with Graphene Oxide for Phosphorus Removal. <i>Chemical Engineering and Technology</i> , 2018, 41, 319-326.	0.9	8
22	Effective treatment of dye wastewater via positively charged TETA-MWCNT/PES hybrid nanofiltration membranes. <i>Separation and Purification Technology</i> , 2018, 194, 488-502.	3.9	112
23	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
24	Design of a Semi-Continuous Selective Layer Based on Deposition of UiO-66 Nanoparticles for Nanofiltration. <i>Membranes</i> , 2018, 8, 129.	1.4	21
25	Facile Surface Modification of Glass-Fiber Membrane with Silylating Reagent through Chemical Bonding for the Selective Separation and Recycling of Diverse Dyes from Aqueous Solutions. <i>ChemistrySelect</i> , 2018, 3, 12734-12741.	0.7	5
26	Development of highly-efficient ZIF-8@PDMS/PVDF nanofibrous composite membrane for phenol removal in aqueous-aqueous membrane extractive process. <i>Journal of Membrane Science</i> , 2018, 568, 121-133.	4.1	52
27	Layer-by-Layer Synthesis of Covalent Organic Frameworks on Porous Substrates for Fast Molecular Separations. <i>ACS Applied Nano Materials</i> , 2018, 1, 6320-6326.	2.4	63
28	Hybrid nanochannel membrane based on polymer/MOF for high-performance salinity gradient power generation. <i>Nano Energy</i> , 2018, 53, 643-649.	8.2	144
29	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
30	Self-assembled MOF membranes with underwater superoleophobicity for oil/water separation. <i>Journal of Membrane Science</i> , 2018, 566, 268-277.	4.1	143
31	Study on the formation of thin film nanocomposite (TFN) membranes of polymers of intrinsic microporosity and graphene-like fillers: Effect of lateral flake size and chemical functionalization. <i>Journal of Membrane Science</i> , 2018, 565, 390-401.	4.1	38
32	Bioinspired Synthesis of Janus Nanocomposite-Incorporated Molecularly Imprinted Membranes for Selective Adsorption and Separation Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9104-9112.	3.2	34
33	Negatively charged polyimide nanofiltration membranes with high selectivity and performance stability by optimization of synergistic imidization. <i>Journal of Membrane Science</i> , 2018, 563, 752-761.	4.1	40
34	The role of MOFs in Thin-Film Nanocomposite (TFN) membranes. <i>Journal of Membrane Science</i> , 2018, 563, 938-948.	4.1	99
35	Performance of Mixed Matrix Membranes Containing Porous Two-Dimensional (2D) and Three-Dimensional (3D) Fillers for CO ₂ Separation: A Review. <i>Membranes</i> , 2018, 8, 50.	1.4	66
36	Rapid water transport through controllable, ultrathin polyamide nanofilms for high-performance nanofiltration. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15701-15709.	5.2	148

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37	Nano-porous SAPO-34 enhanced thin-film nanocomposite polymeric membrane: Simultaneously high water permeation and complete removal of cationic/anionic dyes from water. <i>Journal of Hazardous Materials</i> , 2018, 358, 376-388.	6.5	56
38	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
39	Novel high-flux polyamide/TiO ₂ composite nanofiltration membranes on ceramic hollow fibre substrates. <i>Journal of Membrane Science</i> , 2018, 565, 322-330.	4.1	59
40	Preparation of polyamide thin film nanocomposite membranes containing silica nanoparticles via an in-situ polymerization of SiCl ₄ in organic solution. <i>Journal of Membrane Science</i> , 2018, 565, 145-156.	4.1	80
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42	A thin film nanocomposite membrane with pre-immobilized UiO-66-NH ₂ toward enhanced nanofiltration performance. <i>RSC Advances</i> , 2019, 9, 24802-24810.	1.7	71
43	Fabrication and characterization of a defect-free mixed matrix membrane by facile mixing PPSU with ZIF-8 core-shell microspheres for solvent-resistant nanofiltration. <i>Journal of Membrane Science</i> , 2019, 589, 117261.	4.1	50
44	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.	4.1	26
45	Thin film nanocomposite hollow fiber membranes incorporated with surface functionalized HKUST-1 for highly-efficient reverse osmosis desalination process. <i>Journal of Membrane Science</i> , 2019, 589, 117249.	4.1	59
46	Metal Organic Framework Based Polymer Mixed Matrix Membranes: Review on Applications in Water Purification. <i>Membranes</i> , 2019, 9, 88.	1.4	104
47	In-situ growth of polyvinylpyrrolidone modified Zr-MOFs thin-film nanocomposite (TFN) for efficient dyes removal. <i>Composites Part B: Engineering</i> , 2019, 176, 107208.	5.9	65
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55	Synthesis of Novel High Flux Thin-Film Nanocomposite Nanofiltration Membranes Containing GO-SiO ₂ via Interfacial Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22324-22333.	1.8	43
56	Post-synthesis of a covalent organic framework nanofiltration membrane for highly efficient water treatment. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24205-24210.	5.2	101

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57	In-situ growth of highly permeable zeolite imidazolate framework membranes on porous polymer substrate using metal chelated polyaniline as interface layer. <i>Journal of Membrane Science</i> , 2019, 576, 1-8.	4.1	30
58	The synthetic strategies of metal-organic framework membranes, films and 2D MOFs and their applications in devices. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21004-21035.	5.2	94
59	CDs@ZIF-8 Modified Thin Film Polyamide Nanocomposite Membrane for Simultaneous Enhancement of Chlorine-Resistance and Disinfection Byproducts Removal in Drinking Water. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33033-33042.	4.0	39
60	Hydrophilic polymers of intrinsic microporosity as water transport nanochannels of highly permeable thin-film nanocomposite membranes used for antibiotic desalination. <i>Journal of Membrane Science</i> , 2019, 592, 117375.	4.1	61
61	Direct growth of covalent organic framework nanofiltration membranes on modified porous substrates for dyes separation. <i>Separation and Purification Technology</i> , 2019, 215, 582-589.	3.9	95
62	Polyvinyl alcohol-assisted high-flux thin film nanocomposite membranes incorporated with halloysite nanotubes for nanofiltration. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1412-1422.	1.2	28
63	CuBTC metal organic framework incorporation for enhancing separation and antifouling properties of nanofiltration membrane. <i>Chemical Engineering Research and Design</i> , 2019, 148, 227-239.	2.7	29
64	A carboxyl potassium salt polysulfone (PSF-COOK)-embedded mixed matrix membrane with high permeability and anti-fouling properties for the effective separation of dyes and salts. <i>Applied Surface Science</i> , 2019, 490, 7-17.	3.1	36
65	MOF-positioned polyamide membranes with a fishnet-like structure for elevated nanofiltration performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16313-16322.	5.2	166
66	Novel thin film nanocomposite membranes decorated with few-layered boron nitride nanosheets for simultaneously enhanced water flux and organic fouling resistance. <i>Applied Surface Science</i> , 2019, 488, 565-577.	3.1	48
67	Nanofiltration membranes with enhanced microporosity and inner-pore interconnectivity for water treatment: Excellent balance between permeability and selectivity. <i>Journal of Membrane Science</i> , 2019, 586, 192-201.	4.1	84
68	Multifunctional Thin-Film Nanofiltration Membrane Incorporated with Reduced Graphene Oxide@TiO ₂ @Ag Nanocomposites for High Desalination Performance, Dye Retention, and Antibacterial Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23535-23545.	4.0	73
69	High flux thin film nanocomposite membranes based on porous organic polymers for nanofiltration. <i>Journal of Membrane Science</i> , 2019, 585, 19-28.	4.1	110
70	High-flux, antibacterial composite membranes via polydopamine-assisted PEI-TiO ₂ /Ag modification for dye removal. <i>Chemical Engineering Journal</i> , 2019, 373, 275-284.	6.6	128
71	Development of an HKUST-1 Nanofiller-Templated Poly(ether sulfone) Mixed Matrix Membrane for a Highly Efficient Ultrafiltration Process. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18782-18796.	4.0	44
72	Interfacial Property Modulation of PIM-1 through Polydopamine-Derived Submicrospheres for Enhanced CO ₂ /N ₂ Separation Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19613-19622.	4.0	30
73	Enhancing Permeability of Thin Film Nanocomposite Membranes via Covalent Linking of Polyamide with the Incorporated Metal-Organic Frameworks. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8772-8783.	1.8	43
74	Thin film nanocomposite forward osmosis membrane embedded with amine-functionalized ordered mesoporous silica. <i>Applied Surface Science</i> , 2019, 481, 811-818.	3.1	55

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75	Surface modification of forward osmosis membrane using polyoxometalate based open frameworks for hydrophilicity and water flux improvement. <i>Journal of Water Process Engineering</i> , 2019, 29, 100762.	2.6	36
76	Layered double hydroxide-modified thin-film composite membranes with remarkably enhanced chlorine resistance and anti-fouling capacity. <i>Separation and Purification Technology</i> , 2019, 220, 231-237.	3.9	46
77	Impacts of Metal-Organic Frameworks on Structure and Performance of Polyamide Thin-Film Nanocomposite Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13724-13734.	4.0	100
78	Ultra-desulfurization of sulfur recovery unit wastewater using thin film nanocomposite membrane. <i>Separation and Purification Technology</i> , 2019, 221, 211-225.	3.9	15
79	A new ZIF molecular-sieving membrane for high-efficiency dye removal. <i>Chemical Communications</i> , 2019, 55, 3505-3508.	2.2	19
80	Bioinspired Modification of Layer-Stacked Molybdenum Disulfide (MoS ₂) Membranes for Enhanced Nanofiltration Performance. <i>ACS Omega</i> , 2019, 4, 4012-4022.	1.6	34
81	Mixed-Matrix Composite Membranes Based on UiO-66-Derived MOFs for CO ₂ Separation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9448-9461.	4.0	70
82	Porous Zr-Based Metal-Organic Frameworks (Zr-MOFs)-Incorporated Thin-Film Nanocomposite Membrane toward Enhanced Desalination Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47390-47403.	4.0	77
83	Efficient removal of heavy metal ions by forward osmosis membrane with a polydopamine modified zeolitic imidazolate framework incorporated selective layer. <i>Journal of Hazardous Materials</i> , 2019, 367, 339-347.	6.5	135
84	Hydrophilic Hollow Nanocube-Functionalized Thin Film Nanocomposite Membrane with Enhanced Nanofiltration Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5344-5352.	4.0	125
85	Ultrafast formation of pyrogallol/polyethyleneimine nanofilms for aqueous and organic nanofiltration. <i>Journal of Membrane Science</i> , 2019, 570-571, 270-277.	4.1	23
86	Gradient cross-linked structure: Towards superior PVA nanofiltration membrane performance. <i>Journal of Membrane Science</i> , 2019, 569, 83-90.	4.1	36
87	Facile in-situ assembly of silver-based MOFs to surface functionalization of TFC membrane: A novel approach toward long-lasting biofouling mitigation. <i>Journal of Membrane Science</i> , 2019, 573, 257-269.	4.1	94
88	Preparation of mixed matrix composite membrane for hydrogen purification by incorporating ZIF-8 nanoparticles modified with tannic acid. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7444-7454.	3.8	33
89	Fabrication of high performance nanofiltration membrane on a coordination-driven assembled interlayer for water purification. <i>Separation and Purification Technology</i> , 2020, 235, 116192.	3.9	43
90	Resorcinol-formaldehyde nanobowls modified thin film nanocomposite membrane with enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 594, 117468.	4.1	42
91	Integrating cationic metal-organic frameworks with ultrafiltration membrane for selective removal of perchlorate from Water. <i>Journal of Hazardous Materials</i> , 2020, 381, 120961.	6.5	32
92	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.	4.6	56

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94	Poly(piperazine trimesamide) thin film nanocomposite membrane formation based on MIL-101: Filler aggregation and interfacial polymerization dynamics. <i>Journal of Membrane Science</i> , 2020, 596, 117482.	4.1	27
96	High-performance thin film nanocomposite membranes enabled by nanomaterials with different dimensions for nanofiltration. <i>Journal of Membrane Science</i> , 2020, 596, 117717.	4.1	86
97	Metal-organic framework membranes for wastewater treatment and water regeneration. <i>Coordination Chemistry Reviews</i> , 2020, 404, 213116.	9.5	265
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99	Incorporation of lysine-modified UiO-66 for the construction of thin-film nanocomposite nanofiltration membrane with enhanced water flux and salt selectivity. <i>Desalination</i> , 2020, 493, 114661.	4.0	45
100	Porous organic polymer embedded thin-film nanocomposite membranes for enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 602, 117982.	4.1	47
101	Novel polydopamine/metal organic framework thin film nanocomposite forward osmosis membrane for salt rejection and heavy metal removal. <i>Chemical Engineering Journal</i> , 2020, 389, 124452.	6.6	115
102	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
103	Asymmetric polyamide nanofilms with highly ordered nanovoids for water purification. <i>Nature Communications</i> , 2020, 11, 6102.	5.8	146
104	Effect of Porous and Nonporous Nanostructures on the Permeance of Positively Charged Nanofilm Composite Membranes. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000251.	1.9	12
105	Positively Charged Polysulfonamide Nanocomposite Membranes Incorporating Hydrophilic Triazine-Structured COFs for Highly Efficient Nanofiltration. <i>ACS Applied Nano Materials</i> , 2020, 3, 9329-9339.	2.4	41
106	Rationally designed in-situ fabrication of thin film nanocomposite membranes with enhanced desalination and anti-biofouling performance. <i>Journal of Membrane Science</i> , 2020, 615, 118542.	4.1	40
107	Sharpening Nanofiltration: Strategies for Enhanced Membrane Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39948-39966.	4.0	242
108	Facile Strategy to Construct High-Performance Nanofiltration Membranes by Synergy of Graphene Oxide and Polyvinyl Alcohol. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19001-19011.	1.8	14
109	Enhancing nanofiltration performance by incorporating tannic acid modified metal-organic frameworks into thin-film nanocomposite membrane. <i>Environmental Research</i> , 2020, 191, 110215.	3.7	31
110	Root-like polyamide membranes with fast water transport for high-performance nanofiltration. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25028-25034.	5.2	50
111	High dielectric constant epoxy nanocomposites based on metal organic frameworks decorated multi-walled carbon nanotubes. <i>Polymer</i> , 2020, 207, 122913.	1.8	12

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113	Tuning intermolecular pores of resorcin[4]arene-based membranes for enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 610, 118282.	4.1	9
114	A positively charged composite loose nanofiltration membrane for water purification from heavy metals. <i>Journal of Membrane Science</i> , 2020, 611, 118205.	4.1	102
115	A de novo sacrificial-MOF strategy to construct enhanced-flux nanofiltration membranes for efficient dye removal. <i>Chemical Engineering Science</i> , 2020, 225, 115845.	1.9	100
116	Three-channel capillary nanofiltration membrane with quaternary ammonium incorporated for efficient heavy metals removal. <i>Separation and Purification Technology</i> , 2020, 248, 117133.	3.9	43
117	Efficient sol-gel synthesis of zwitterion functionalized titania for nanofiltration membrane with enhanced selectivity and antifouling performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 252-260.	2.7	10
118	Integration of Zwitterionic Polymer Nanoparticles in Interfacial Polymerization for Ion Separation. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1508-1517.	2.0	23
119	Robust natural nanocomposites realizing unprecedented ultrafast precise molecular separations. <i>Materials Today</i> , 2020, 36, 40-47.	8.3	180
120	Nanomaterials for the efficient abatement of wastewater contaminants by means of reverse osmosis and nanofiltration. , 2020, , 111-144.		9
121	Defect-engineered UiO-66-NH ₂ modified thin film nanocomposite membrane with enhanced nanofiltration performance. <i>Chemical Communications</i> , 2020, 56, 8372-8375.	2.2	29
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123	Application of diazonium-induced anchoring process on ultrafiltration substrate for the fabrication of nanofiltration membrane with enhanced desalination performance. <i>Desalination</i> , 2020, 496, 114340.	4.0	20
124	Amine-functionalized ZIF-8 nanoparticles as interlayer for the improvement of the separation performance of organic solvent nanofiltration (OSN) membrane. <i>Journal of Membrane Science</i> , 2020, 614, 118433.	4.1	43
125	Engineering Leaf-Like UiO-66-SO ₃ H Membranes for Selective Transport of Cations. <i>Nano-Micro Letters</i> , 2020, 12, 51.	14.4	64
126	Enhanced dispersibility of metal-organic frameworks (MOFs) in the organic phase via surface modification for TFN nanofiltration membrane preparation. <i>RSC Advances</i> , 2020, 10, 4045-4057.	1.7	75
127	Fouling mitigation in forward osmosis and membrane distillation for desalination. <i>Desalination</i> , 2020, 480, 114338.	4.0	111
128	Tannic acid assisted interfacial polymerization based loose thin-film composite NF membrane for dye/salt separation. <i>Desalination</i> , 2020, 479, 114343.	4.0	126
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131	Natural organic matter removal and fouling resistance properties of a boron nitride nanosheet-functionalized thin film nanocomposite membrane and its impact on permeate chlorine demand. <i>Journal of Water Process Engineering</i> , 2020, 34, 101160.	2.6	27
132	Low density lipoprotein (LDL) apheresis from blood plasma via anti-biofouling tuned membrane incorporated with graphene oxide-modified carrageenan. <i>Journal of Membrane Science</i> , 2021, 620, 118878.	4.1	10
133	Novel reverse osmosis membranes incorporated with Co-Al layered double hydroxide (LDH) with enhanced performance for brackish water desalination. <i>Desalination</i> , 2021, 498, 114740.	4.0	45
134	Facile fabrication of COF-LZU1/PES composite membrane via interfacial polymerization on microfiltration substrate for dye/salt separation. <i>Journal of Membrane Science</i> , 2021, 618, 118706.	4.1	93
135	Structure adjustment for enhancing the water permeability and separation selectivity of the thin film composite nanofiltration membrane based on a dendritic hyperbranched polymer. <i>Journal of Membrane Science</i> , 2021, 618, 118455.	4.1	37
136	Ferroelectric membrane for water purification with arsenic as model pollutant. <i>Chemical Engineering Journal</i> , 2021, 403, 126426.	6.6	5
137	Regulating the morphology of nanofiltration membrane by thermally induced inorganic salt crystals for efficient water purification. <i>Journal of Membrane Science</i> , 2021, 617, 118645.	4.1	20
138	Graphene oxide/multi-walled carbon nanotubes nanocomposite polyamide nanofiltration membrane for dyeing wastewater treatment. <i>Polymers for Advanced Technologies</i> , 2021, 32, 690-702.	1.6	7
139	Hybridly charged NF membranes with MOF incorporated for removing low-concentration surfactants. <i>Separation and Purification Technology</i> , 2021, 258, 118069.	3.9	16
140	Enhanced flux and fouling resistance forward osmosis membrane based on a hydrogel/MOF hybrid selective layer. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 158-166.	5.0	40
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