

# Sub-10 nm polyamide nanofilms with ultrafast solvent separation

Science

348, 1347-1351

DOI: [10.1126/science.aaa5058](https://doi.org/10.1126/science.aaa5058)

Citation Report

#	ARTICLE	IF	CITATIONS
13	Outperforming nature's membranes. <i>Science</i> , 2015, 348, 1317-1318.	6.0	26
14	Tailoring the structure of polyamide thin film composite membrane with zwitterions to achieve high water permeability and antifouling property. <i>RSC Advances</i> , 2015, 5, 98730-98739.	1.7	29
15	Fabrication of Adsorbents with Thermocontrolled Molecular Gates for Both Selective Adsorption and Efficient Regeneration. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500829.	1.9	21
16	Single-Walled Carbon Nanotube Film Supported Nanofiltration Membrane with a Nearly 10 nm Thick Polyamide Selective Layer for High-Flux and High-Rejection Desalination. <i>Small</i> , 2016, 12, 5034-5041.	5.2	298
17	Claisen thermally rearranged (CTR) polymers. <i>Science Advances</i> , 2016, 2, e1501859.	4.7	33
18	Tunable molecular separation by nanoporous membranes. <i>Nature Communications</i> , 2016, 7, 13872.	5.8	208
19	Interfacial polymerization on PES hollow fiber membranes using mixed diamines for nanofiltration removal of salts containing oxyanions and ferric ions. <i>Desalination</i> , 2016, 394, 176-184.	4.0	72
20	Relationship between performance deterioration of a polyamide reverse osmosis membrane used in a seawater desalination plant and changes in its physicochemical properties. <i>Water Research</i> , 2016, 100, 326-336.	5.3	31
21	Influence of substrate processing and interfacial polymerization conditions on the surface topography and permselective properties of surface-patterned thin-film composite membranes. <i>Journal of Membrane Science</i> , 2016, 512, 50-60.	4.1	68
22	Nanocomposite Membrane with Different Carbon Nanotubes Location for Nanofiltration and Forward Osmosis Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2990-2997.	3.2	65
23	Polymer nanofilms with enhanced microporosity by interfacial polymerization. <i>Nature Materials</i> , 2016, 15, 760-767.	13.3	594
24	Novel polyamide thin-film composite nanofiltration membrane modified with poly(amidoamine) and SiO <sub>2</sub> gel. <i>RSC Advances</i> , 2016, 6, 45585-45594.	1.7	20
25	Enzyme-triggered coatings of tea catechins/chitosan for nanofiltration membranes with high performance. <i>Green Chemistry</i> , 2016, 18, 6205-6208.	4.6	75
26	Zeolitic Imidazolate Framework/Graphene Oxide Hybrid Nanosheets Functionalized Thin Film Nanocomposite Membrane for Enhanced Antimicrobial Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25508-25519.	4.0	283
27	Current trends in interfacial polymerization chemistry. <i>Progress in Polymer Science</i> , 2016, 63, 86-142.	11.8	282
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29	Nickel hydroxide nanosheet membranes with fast water and organics transport for molecular separation. <i>Nanoscale</i> , 2016, 8, 18428-18435.	2.8	26
30	Recyclable Thermosets Based on Dynamic Amidation and Aza-Michael Addition Chemistry. <i>Macromolecules</i> , 2016, 49, 7814-7824.	2.2	41

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32	Thin film composite nanofiltration membrane prepared by the interfacial polymerization of 1,2,4,5-benzene tetracarboxyl chloride on the mixed amines cross-linked poly(ether imide) support. <i>Journal of Membrane Science</i> , 2016, 520, 19-28.	4.1	84
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39	Smart Adsorbents with Photoregulated Molecular Gates for Both Selective Adsorption and Efficient Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23404-23411.	4.0	47
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49	Towards Enhanced Performance Thin-film Composite Membranes via Surface Plasma Modification. <i>Scientific Reports</i> , 2016, 6, 29206.	1.6	50

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51	Thin film composite membranes combining carbon nanotube intermediate layer and microfiltration support for high nanofiltration performances. <i>Journal of Membrane Science</i> , 2016, 515, 238-244.	4.1	239
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757	Robust preparation of flexibly super-hydrophobic carbon fiber membrane by electrospinning for efficient oil-water separation in harsh environments. <i>Carbon</i> , 2021, 182, 11-22.	5.4	85
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900	The underlying mechanism insights into support polydopamine decoration toward ultrathin polyamide membranes for high-performance reverse osmosis. <i>Journal of Membrane Science</i> , 2022, 646, 120269.	4.1	19
901	Deep learning meets quantitative structure-activity relationship (QSAR) for leveraging structure-based prediction of solute rejection in organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022, 646, 120268.	4.1	47
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904	Enhanced organic solvent nanofiltration of aligned Kevlar composite membrane by incorporated with amino-polystyrene nanospheres. <i>Journal of Membrane Science</i> , 2022, 647, 120290.	4.1	7
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910	2D nanosheets optimized electro-spray-assisted interfacial polymerization polyamide membrane with excellent separation performance. <i>Journal of Membrane Science</i> , 2022, 647, 120308.	4.1	11
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914	Large-Area 2D Covalent Organic Framework Membranes with Tunable Single-Digit Nanopores for Predictable Mass Transport. <i>ACS Nano</i> , 2022, 16, 2407-2418.	7.3	65
915	Polyamide thin film nanocomposite membrane with internal void structure mediated by silica and SDS for highly permeable reverse-osmosis application. <i>Composites Communications</i> , 2022, , 101092.	3.3	3
916	Dopamine-intercalated polyelectrolyte multilayered nanofiltration membranes: Toward high permselectivity and ion-ion selectivity. <i>Journal of Membrane Science</i> , 2022, 648, 120337.	4.1	22

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923	Engineering Nanocomposite Metal-Phenolic Network Membranes with Hollow Mofs Via In-Situ Etching for High-Efficiency Organic Solvent Nanofiltration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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1054	Polyamide membranes with a ZIF-8@Tannic acid core-shell nanoparticles interlayer to enhance nanofiltration performance. <i>Desalination</i> , 2022, 541, 116042.	4.0	18
1055	Revisiting the alkali hydrolysis of polyamide nanofiltration membranes. <i>Journal of Membrane Science</i> , 2022, 661, 120887.	4.1	12
1056	Fabrication of thin film composite polyamide membrane for water purification via inkjet printing of aqueous and solvent inks. <i>Desalination</i> , 2022, 541, 116027.	4.0	9
1057	Tailoring pore size of positively-charged nanofiltration membrane via a facile self-assembly method. <i>Desalination</i> , 2022, 542, 116054.	4.0	7
1058	Effect of the interlayer construction on the performances of the TFC-FO membranes: A review from materials perspective. <i>Desalination</i> , 2022, 541, 116033.	4.0	11
1059	Enhancing the NaCl/Na <sub>2</sub> SO <sub>4</sub> separation selectivity and chlorine resistance of nanofiltration membranes by incorporating novel designed starch nanoparticles. <i>Applied Surface Science</i> , 2022, 604, 154417.	3.1	13
1060	Single-walled carbon nanotube gutter layer supported ultrathin zwitterionic microporous polymer membrane for high-performance lithium-sulfur battery. <i>Journal of Colloid and Interface Science</i> , 2022, 628, 1012-1022.	5.0	11
1061	Enhanced high-salinity brines treatment using polyamide nanofiltration membrane with tunable interlayered MXene channel. <i>Science of the Total Environment</i> , 2023, 856, 158434.	3.9	17
1062	Hollow fiber composite membranes engineered via the combination of anionic crosslinking and in-situ biomineralization for dye removal. <i>European Polymer Journal</i> , 2022, 179, 111587.	2.6	1
1063	Graphene oxide: A mini-review on the versatility and challenges as a membrane material for solvent-based separation. <i>Chemical Engineering Journal Advances</i> , 2022, 12, 100392.	2.4	6
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1066	Nanocomposite membranes for organic solvent nanofiltration: Recent advances, challenges, and prospects. <i>Chemosphere</i> , 2022, 308, 136329.	4.2	22
1067	Relationship between the Hansen solubility parameter and changes in membrane mass-transfer channels: A quantitative model. <i>Chemical Engineering Science</i> , 2022, 263, 118071.	1.9	0
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1069	Effect of Different Manufacturing Methods on Polyamide Reverse-Osmosis Membranes for Desalination: Insights from Molecular Dynamics Simulations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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1072	A highly chlorine-oxidation and fouling resistant thin film nanocomposite membrane enhanced by few-layered graphitic carbon nitride nanosheets. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1976-1991.	1.2	2
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1074	Aligned macrocycle pores in ultrathin films for accurate molecular sieving. <i>Nature</i> , 2022, 609, 58-64.	13.7	88
1075	Ultrathin polyamide nanofiltration membrane prepared by triazine-based porous organic polymer as interlayer for dye removal. <i>Chinese Journal of Chemical Engineering</i> , 2023, 57, 193-201.	1.7	1
1076	2,2â€²â€²-Biphenolâ€²-based Ultrathin Microporous Nanofilms for Highly Efficient Molecular Sieving Separation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	23
1077	2,2â€²â€²-Biphenolâ€²-based Ultrathin Microporous Nanofilms for Highly Efficient Molecular Sieving Separation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
1078	Modulating the Asymmetry of the Active Layer in Pursuit of Nanofiltration Selectivity via Differentiating Interfacial Reactions of Piperazine. <i>Environmental Science &amp; Technology</i> , 2022, 56, 14038-14047.	4.6	16
1079	Hybrid Dimensional MXene/CNC Framework-Regulated Nanofiltration Membrane with High Separation Performance. <i>ACS ES&amp;T Water</i> , 2023, 3, 1767-1777.	2.3	7
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1081	Hydrophobic polyamide nanofilms provide rapid transport for crude oil separation. <i>Science</i> , 2022, 377, 1555-1561.	6.0	49
1082	Interfacial Polymerization of Self-Standing Covalent Organic Framework Membranes at Alkane/Ionic Liquid Interfaces for Dye Separation. <i>ACS Applied Polymer Materials</i> , 2022, 4, 7528-7536.	2.0	9

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1084	Solidâ€state Nanopores: Chemical Modifications, Interactions, and Functionalities. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	8
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1088	Precise sieving of chiral molecules by a crosslinked cyclodextrin-cellulose nanofiber composite membrane. <i>Journal of Membrane Science</i> , 2022, 663, 121016.	4.1	9
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1093	Hollow Fiber Membrane for Organic Solvent Nanofiltration: A Mini Review. <i>Membranes</i> , 2022, 12, 995.	1.4	3
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1097	Controllable preparation of novel â€™ridge-valley shapedâ€™ poly(p-phenylene terephthamide) (PPTA) hollow fiber nanofiltration membrane for thermal dye/salt wastewater separation. <i>Journal of Water Process Engineering</i> , 2022, 50, 103251.	2.6	3
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1100	The evolution of ultrathin polyamide film during molecular layer-by-layer deposition. <i>Vacuum</i> , 2023, 207, 111645.	1.6	0

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1103	Asymmetric polyamide nanofilm with coordinated charge and nanopore, tuned by azlactone-based monomer to facilitate ion separation. <i>Separation and Purification Technology</i> , 2023, 304, 122361.	3.9	4
1104	Silk fibroin-coated polyamide thin-film composite membranes with anti-scaling properties. <i>Desalination</i> , 2023, 546, 116195.	4.0	6
1105	Ultrathin polyamide membrane tailored by mono-(6-ethanediamine-6-deoxy)- $\beta$ -cyclodextrin for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2023, 666, 121165.	4.1	2
1106	Dispersive two-dimensional MXene via potassium fulvic acid for mixed matrix membranes with enhanced organic solvent nanofiltration performance. <i>Journal of Membrane Science</i> , 2023, 666, 121168.	4.1	10
1107	Inorganic salt regulated zwitterionic nanofiltration membranes for antibiotic/monovalent salt separation. <i>Journal of Membrane Science</i> , 2023, 666, 121144.	4.1	13
1108	Fabrication of amino-alcohol based polyesteramide thin film composite membranes for nanofiltration. <i>Separation and Purification Technology</i> , 2023, 305, 122547.	3.9	12
1109	High-permeance Mg <sup>2+</sup> /Li <sup>+</sup> separation nanofiltration membranes intensified by quadruple imidazolium salts. <i>Journal of Membrane Science</i> , 2023, 667, 121178.	4.1	17
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1111	An ultrathin double-layer covalent organic framework/zwitterionic microporous polymer functional separator for high-performance lithium-sulfur battery. <i>Applied Surface Science</i> , 2023, 610, 155496.	3.1	8
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1113	Highly permeable thin film nanocomposite membrane utilizing a MoS <sub>2</sub> @NH <sub>2</sub> -UiO-66 interlayer for forward osmosis removal of Co <sup>2+</sup> , Sr <sup>2+</sup> and Cs <sup>+</sup> nuclide ions. <i>Applied Surface Science</i> , 2023, 611, 155618.	3.1	7
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1116	Interface-Confined Channels Facilitating Water Transport through an IL-Enriched Nanocomposite Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 53390-53397.	4.0	4
1117	Recent advances in thin film nanocomposite membranes containing an interlayer (TFNi): fabrication, applications, characterization and perspectives. <i>RSC Advances</i> , 2022, 12, 34245-34267.	1.7	2
1118	Nanorod-interlayered thin film composite membranes for ultrafast nanofiltration. <i>Desalination</i> , 2023, 548, 116255.	4.0	6

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1120	Nano-striped polyamide membranes enabled by vacuum-assisted incorporation of hierarchical flower-like MoS <sub>2</sub> for enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2023, 668, 121250.	4.1	12
1121	Cyclomatrix polyphosphazene organic solvent nanofiltration membranes. <i>Journal of Membrane Science</i> , 2023, 668, 121215.	4.1	6
1122	Novel macrocyclic polyamines regulated nanofiltration membranes: Towards efficient micropollutants removal and molecular separation. <i>Journal of Membrane Science</i> , 2023, 668, 121180.	4.1	13
1123	Corolliform morphology thin film composite polyamide membrane constructed via Tröger's base PIM for enhancing nanofiltration separation performances. <i>Desalination</i> , 2023, 548, 116234.	4.0	5
1124	Synergetic effects of COFs interlayer regulation and surface modification on thin-film nanocomposite reverse osmosis membrane with high performance. <i>Desalination</i> , 2023, 548, 116265.	4.0	7
1125	Utilization of carboxyl group-grafted molybdenum disulfide for enhancing the performance of thin-film nanocomposite nanofiltration membranes. <i>Desalination</i> , 2023, 548, 116283.	4.0	14
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1127	Highly anions-selective polyamide nanofiltration membrane fabricated by rod-coating assisted interfacial polymerization. <i>Journal of Membrane Science</i> , 2023, 668, 121273.	4.1	12
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1130	Controlled solvent activation by iron (III) acetylacetonate for improving polyamide reverse osmosis membrane performance. <i>Separation and Purification Technology</i> , 2023, 308, 122984.	3.9	0
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1139	N-Oxide Zwitterion Functionalized Positively Charged Polyamide Composite Membranes for Nanofiltration. <i>Langmuir</i> , 2022, 38, 16094-16103.	1.6	6
1140	Microporous organic nanotube assisted design of high performance nanofiltration membranes. <i>Nature Communications</i> , 2022, 13, .	5.8	49
1141	Construction of superhydrophobic MOF membrane for ultrafast alcohol-water separation. <i>Science Bulletin</i> , 2022, 67, 2381-2383.	4.3	2
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1147	Catalytic template assisted interfacial polymerization for high-performance acid-resistant membrane preparation. <i>AIChE Journal</i> , 2023, 69, .	1.8	2
1148	Heterogeneous polyamide composite membranes based on aromatic poly(amidoamine) dendrimer for molecular sieving. <i>Journal of Membrane Science</i> , 2023, 671, 121384.	4.1	4
1149	Fast and Integral Nano-Surface-Coating of Various Fiber Materials via Interfacial Polymerization. <i>ACS Macro Letters</i> , 2023, 12, 93-100.	2.3	0
1150	Hollow porous carbon spheres (HPCSs) doped thin-film nanocomposite membrane for efficient organic solvent nanofiltration. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109252.	3.3	1
1151	Enhancing the desalination performance of polyamide nanofiltration membranes via in-situ incorporation of zwitterionic nanohydrogel. <i>Desalination</i> , 2023, 549, 116355.	4.0	2
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1153	Plasma-enabled graphene quantum dot-based nanofiltration membranes for water purification and dye monitoring. <i>Journal of Membrane Science</i> , 2023, 670, 121334.	4.1	3
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1156	A comprehensive evaluation of PVA enhanced polyamide nanofiltration membranes: Additive versus interlayer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 660, 130870.	2.3	5
1157	Lamellar Membrane for Organic Solvent Nanofiltration. , 2023, , 65-102.		0
1158	Bicontinuous interfacially jammed emulsion gels with nearly uniform sub-micrometer domains <i>via</i> regulated co-solvent removal. <i>Materials Horizons</i> , 2023, 10, 1385-1391.	6.4	9
1159	Composite Membrane for Organic Solvent Nanofiltration. , 2023, , 7-64.		0
1160	Explainable machine learning for unraveling solvent effects in polyimide organic solvent nanofiltration membranes. , 2023, 3, 100061.		13
1161	Multimodal quantitative phase contrast characterization of thin polymeric film. <i>Optical Engineering</i> , 2023, 62, .	0.5	2
1162	Insights into Hierarchical Structure-Property-Application Relationships of Advanced Bacterial Cellulose Materials. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	19
1163	Flower-like MnO <sub>2</sub> nanoparticles modified thin film nanocomposite membranes for efficient organic solvent nanofiltration. <i>Composites Communications</i> , 2023, 38, 101515.	3.3	6
1164	Electrochemical interfacial polymerization toward ultrathin COF membranes for brine desalination. <i>Angewandte Chemie</i> , 0, , .	1.6	0
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1167	Facile synthesis of amino-functionalized magnetic materials for efficient enrichment of anionic metabolites from biological samples. <i>Analytica Chimica Acta</i> , 2023, 1250, 340977.	2.6	2
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1169	Dually charged polyamide nanofiltration membrane incorporated UiO-66-(NH <sub>2</sub> ) <sub>2</sub> : Synergistic rejection of divalent cations and anions. <i>Separation and Purification Technology</i> , 2023, 311, 123223.	3.9	7
1170	Chlorine resistant polyamide desalination membrane prepared via organic-organic interfacial polymerization. <i>Journal of Membrane Science</i> , 2023, 672, 121444.	4.1	12
1171	Generation of Nano-Bubbles by NaHCO <sub>3</sub> for Improving the FO Membrane Performance. <i>Membranes</i> , 2023, 13, 404.	1.4	0
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1174	Solvent transport model for polyamide nanofilm membranes based on accurate Hansen solubility parameters. <i>Journal of Membrane Science</i> , 2023, 674, 121505.	4.1	10
1175	Fluorinated solvent resistant nanofiltration membrane prepared by alkane / ionic liquid interfacial polymerization with excellent solvent resistance. <i>Journal of Membrane Science</i> , 2023, 673, 121486.	4.1	8
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1177	Fabrication of novel thin-film nanocomposite polyamide membrane by the interlayer approach: A review. <i>Desalination</i> , 2023, 554, 116509.	4.0	20
1178	Poly(vinyl alcohol)-based highly permeable TFC nanofiltration membranes for selective dye/salt separation. <i>Desalination</i> , 2023, 553, 116479.	4.0	10
1179	Regulation of micro-structure and surface property of SWRO membrane via introducing albumin into polyamide layer for improving permselectivity. <i>Desalination</i> , 2023, 555, 116551.	4.0	1
1180	Coaxial electrospun nanofibrous substrates with tunable wettability for constructing cucurbit[n]uril-embedded organic solvent nanofiltration membranes. <i>Chemical Engineering Journal</i> , 2023, 465, 142880.	6.6	10
1181	Polyvinyl alcohol/attapulgite interlayer modulated interfacial polymerization on a highly porous PAN support for efficient desalination. <i>Journal of Membrane Science</i> , 2023, 675, 121517.	4.1	2
1182	Bird's nest -inspired fabrication of ZIF-8 interlayer for organic solvent nanofiltration membranes. <i>Journal of Membrane Science</i> , 2023, 675, 121520.	4.1	9
1183	Molecular dynamics study on the structure and antifouling performance of aromatic polyamide membrane with sulfonamide group. <i>Materials Today Communications</i> , 2023, 35, 105674.	0.9	0
1184	Highly porous ultrathin polyamide membranes for fast separation of small molecules from organic solvents. <i>Journal of Membrane Science</i> , 2023, 675, 121540.	4.1	11
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1186	Molecular simulation study of 2D MXene membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2023, 677, 121623.	4.1	7
1187	Assembly of polyamide nanofilms for nanofiltration membranes with ultra-high desalination performance. <i>Journal of Membrane Science</i> , 2023, 671, 121399.	4.1	9
1188	Evading the permeance-selectivity trade-off dilemma in electrospray-assisted interfacial polymerization polyamide thin-film composite membrane through electrospinning nanofibers interlayer. <i>Desalination</i> , 2023, 558, 116625.	4.0	6
1189	Polyamide layer modulation for PA-TFC membranes Optimization: Developments, Mechanisms, and implications. <i>Separation and Purification Technology</i> , 2023, 311, 123200.	3.9	11
1190	Organic solvent nanofiltration with nanoparticles aggregation based on electrostatic interaction for molecular separation. <i>Journal of Membrane Science</i> , 2023, 673, 121409.	4.1	10

#	ARTICLE	IF	CITATIONS
1191	Interfacial assembling of flexible silica membranes with high chlorine resistance for dye separation. <i>Journal of Membrane Science</i> , 2023, 677, 121628.	4.1	3
1192	Hydrophilic-hydrophobic heterogeneous interface enables the formation of a high-performance polyamide membrane for water purification. <i>Separation and Purification Technology</i> , 2023, 316, 123752.	3.9	4
1193	Antifouling nanofiltration membrane atop nanofibrous scaffold with periodical diagonal microprotrusion. <i>Separation and Purification Technology</i> , 2023, 316, 123821.	3.9	2
1194	Solutes in solvent resistant and solvent tolerant nanofiltration: How molecular interactions impact membrane rejection. <i>Journal of Membrane Science</i> , 2023, 677, 121595.	4.1	7
1195	Novel polyamide forward osmosis membrane prepared via synergistically substrate-floating interfacial polymerization and salt regulation for efficient solvent recovery. <i>Journal of Membrane Science</i> , 2023, 678, 121657.	4.1	8
1196	Roles and gains of coordination chemistry in nanofiltration membrane: A review. <i>Chemosphere</i> , 2023, 318, 137930.	4.2	10
1197	Introduction to Membrane. , 2023, , 1-5.		0
1198	Fabrication of polyamide membranes by interlayer-assisted interfacial polymerization method with enhanced organic solvent nanofiltration performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 663, 131075.	2.3	9
1199	Electrochemical Interfacial Polymerization toward Ultrathin COF Membranes for Brine Desalination. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	15
1200	Electrospun Nanofibrous Composite Membranes for Separations. <i>Accounts of Materials Research</i> , 2023, 4, 180-192.	5.9	6
1201	Preparation of high flux organic solvent nanofiltration membrane based on polyimide/Noria composite ultrafiltration membrane. <i>Applied Surface Science</i> , 2023, 618, 156650.	3.1	14
1202	Silicification-interlayered nanofiber substrates regulated crumpled ultrathin polyamide nanofilms for highly enhanced nanofiltration. <i>Journal of Membrane Science</i> , 2023, 672, 121476.	4.1	9
1203	Highly permeable polyamide-hole graphene oxide composite membrane prepared by pressure spray interface polymerization for desalination. <i>Carbon</i> , 2023, 206, 286-294.	5.4	9
1204	High-Performance Polyamide Reverse Osmosis Membrane Containing Flexible Aliphatic Ring for Water Purification. <i>Polymers</i> , 2023, 15, 944.	2.0	2
1205	Progress of Ultrafiltration-Based Technology in Ion Removal and Recovery: Enhanced Membranes and Integrated Processes. <i>ACS ES&amp;T Water</i> , 2023, 3, 1702-1719.	2.3	7
1206	Atmospheric-Pressure Plasma-Induced In Situ Polymerization of Liquid Silsesquioxane Monomer for the Synthesis of Polysilsesquioxane Nanocomposite Membranes with Sub-Nanometer Pores for Molecular Separation. <i>ACS Applied Nano Materials</i> , 2023, 6, 2292-2298.	2.4	2
1207	Polymer membranes for organic solvent nanofiltration: Recent progress, challenges and perspectives. , 2023, 3, 100063.		12
1208	Metal ion-catalyzed interfacial polymerization of functionalized covalent organic framework films for efficient separation. <i>European Polymer Journal</i> , 2023, 188, 111939.	2.6	2

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1209	Charged Boron Nitride Nanosheet Membranes for Improved Organic Solvent Nanofiltration. ACS Applied Materials & Interfaces, 2023, 15, 12524-12533.	4.0	6
1210	Nanovehicle-assisted monomer shuttling enables highly permeable and selective nanofiltration membranes for water purification. , 2023, 1, 281-290.		27
1211	Polyamide membranes with nanoscale ordered structures for fast permeation and highly selective ion-ion separation. Nature Communications, 2023, 14, .	5.8	35
1212	Photomodulation on Active Sites of Adsorbents: Controllable Adsorption Processes with Improved Efficiency. Chemistry - A European Journal, 0, , .	1.7	0
1213	Grand challenge in membrane applications: Liquid. , 0, 2, .		0
1214	Dendrimer Based Binders Enable Stable Operation of Silicon Microparticle Anodes in Lithium-ion Batteries. Small, 2023, 19, .	5.2	4
1215	Smart Solvent-Responsive Covalent Organic Framework Membranes with Self-regulating Pore Size. ACS Applied Polymer Materials, 2023, 5, 3043-3054.	2.0	6
1216	Fabrication of novel thin-film composite membrane based on ultrathin metal-organic framework interlayer for enhancing forward osmosis performance. Chinese Chemical Letters, 2023, 34, 108369.	4.8	0
1217	Internal Concentration Polarization in the Polyamide Active Layer of Thin-Film Composite Membranes. Environmental Science & Technology, 2023, 57, 5999-6007.	4.6	4
1218	Advanced In-Line Purification Technologies in Multistep Continuous Flow Pharmaceutical Synthesis. Organic Process Research and Development, 0, , .	1.3	3
1219	Retarding the diffusion rate of piperazine through the interface of aqueous/organic phase: Bis-tris propane tuned the trans-state of ultra-low concentration piperazine. Journal of Membrane Science, 2023, 677, 121627.	4.1	1
1220	Ultra-permeable Dual-mechanism-Driven Graphene Oxide Framework Membranes for Precision Ion Separations. Angewandte Chemie - International Edition, 2023, 62, .	7.2	18
1221	2D Covalent Organic Framework Membranes for Liquid-Phase Molecular Separations: State of the Field, Common Pitfalls, and Future Opportunities. Advanced Materials, 2024, 36, .	11.1	17
1222	Fouling-resistant surface modification of forward osmosis membranes using MoS <sub>2</sub> -Ag nanofillers. Surfaces and Interfaces, 2023, 38, 102844.	1.5	3
1223	Water transport in reverse osmosis membranes is governed by pore flow, not a solution-diffusion mechanism. Science Advances, 2023, 9, .	4.7	40
1224	Can the mix-charged NF membrane directly obtained by the interfacial polymerization of PIP and TMC?. Desalination, 2023, 558, 116623.	4.0	2
1225	Polyamide Membrane Tailored by Codeposition of a UiO-66 Metal-Organic Framework Nanostructure-Based Interlayer for Forward Osmosis. ACS Applied Nano Materials, 2023, 6, 6901-6910.	2.4	5
1226	Synergizing machine learning, molecular simulation and experiment to develop polymer membranes for solvent recovery. Journal of Membrane Science, 2023, 678, 121678.	4.1	9

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1227	Fine-tuning of fully aromatic polyamide membrane for fluorinated water purification. Journal of Applied Polymer Science, 2023, 140, .	1.3	3
1228	Controllable construction of ultrathin graphene quantum dots/polyamide nanofilms via electrospray interfacial polymerization. Separation and Purification Technology, 2023, 317, 123831.	3.9	3
1229	Recent advances in separation membranes based on porous organic molecular materials. Materials Chemistry Frontiers, 2023, 7, 3560-3575.	3.2	12
1315	Covalent organic framework-based lamellar membranes for water desalination applications. , 2023, 1, 1634-1654.		3
1322	Tailor-made $\beta$ -ketoenamine-linked covalent organic polymer nanofilms for precise molecular sieving. Materials Horizons, 2023, 10, 5133-5142.	6.4	1
1357	Green synthesis of covalent organic frameworks for use in reclamation of saline water in water treatment plants. AIP Conference Proceedings, 2023, , .	0.3	0