

Graphene oxide (GO)-interlayered thin-film nanocomposites with improved  
solvent resistance for organic solvent nanofiltration (OSNF)

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Amino-functionalized graphene quantum dots (aGQDs)-embedded thin film nanocomposites for solvent resistant nanofiltration (SRNF) membranes based on covalence interactions. <i>Journal of Membrane Science</i> , 2019, 588, 117212.	4.1	56
2	Stable Graphene Oxide Cross-Linked Membranes for Organic Solvent Nanofiltration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 23106-23113.	1.8	29
3	Custom-tailoring metal-organic framework in thin-film nanocomposite nanofiltration membrane with enhanced internal polarity and amplified surface crosslinking for elevated separation property. <i>Desalination</i> , 2020, 493, 114649.	4.0	35
4	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
5	Graphene oxide interlayered thin-film nanocomposite hollow fiber nanofiltration membranes with enhanced aqueous electrolyte separation performance. <i>Separation and Purification Technology</i> , 2020, 248, 117153.	3.9	46
6	Improving chlorine resistance and separation performance of thin-film composite nanofiltration membranes with in-situ grafted melamine. <i>Desalination</i> , 2020, 489, 114539.	4.0	49
7	Emerging sandwich-like reverse osmosis membrane with interfacial assembled covalent organic frameworks interlayer for highly-efficient desalination. <i>Journal of Membrane Science</i> , 2020, 604, 118065.	4.1	69
8	Precise assembly of a zeolite imidazolate framework on polypropylene support for the fabrication of thin film nanocomposite reverse osmosis membrane. <i>Journal of Membrane Science</i> , 2020, 612, 118412.	4.1	39
9	Constructing interlayer to tailor structure and performance of thin-film composite polyamide membranes: A review. <i>Advances in Colloid and Interface Science</i> , 2020, 282, 102204.	7.0	154
10	Polyelectrolyte Grafted MOFs Enable Conjugated Membranes for Molecular Separations in Dual Solvent Systems. <i>Cell Reports Physical Science</i> , 2020, 1, 100034.	2.8	25
11	Controllable synthesis of a chemically stable molecular sieving nanofilm for highly efficient organic solvent nanofiltration. <i>Chemical Science</i> , 2020, 11, 4263-4271.	3.7	21
12	Ultrathin Thin-Film Composite Polyamide Membranes Constructed on Hydrophilic Poly(vinyl alcohol) Decorated Support Toward Enhanced Nanofiltration Performance. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6365-6374.	4.6	168
13	High-throughput thin-film composite membrane via interfacial polymerization using monomers of ultra-low concentration on tannic acid "Copper interlayer for organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2021, 258, 118027.	3.9	38
14	Construction of ultrathin PTMSP/Porous nanoadditives membranes for highly efficient organic solvent nanofiltration (OSN). <i>Journal of Membrane Science</i> , 2021, 620, 118911.	4.1	15
15	Counterion exchanged hydrophobic polyelectrolyte multilayer membrane for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2021, 620, 118827.	4.1	18
16	Graphene-Based Advanced Membrane Applications in Organic Solvent Nanofiltration. <i>Advanced Functional Materials</i> , 2021, 31, 2006949.	7.8	81
17	Designing organic solvent separation membranes: polymers, porous structures, 2D materials, and their combinations. <i>Materials Advances</i> , 2021, 2, 4574-4603.	2.6	21
18	Nanoparticle-templated polyamide membranes for improved biofouling resistance. <i>Environmental Science: Nano</i> , 2021, 8, 565-579.	2.2	8

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19	Polyethylene Coated with MnO <sub>2</sub> Nanoparticles as Thin Film Composite Membranes for Organic Solvent Nanofiltration. ACS Applied Nano Materials, 2021, 4, 2768-2782.	2.4	29
20	Fungal Cell Wall-Graphene Oxide Microcomposite Membrane for Organic Solvent Nanofiltration. Advanced Functional Materials, 2021, 31, 2100110.	7.8	42
21	Poly(ionic liquid)-crosslinked graphene oxide/carbon nanotube membranes as efficient solar steam generators. Green Energy and Environment, 2023, 8, 151-162.	4.7	29
22	Thin-Film Composite Nanofiltration Membranes for Non-Polar Solvents. Membranes, 2021, 11, 184.	1.4	14
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25	Fabrication of ultra-smooth thin-film composite nanofiltration membrane with enhanced selectivity and permeability on interlayer of hybrid polyvinyl alcohol and graphene oxide. Separation and Purification Technology, 2021, 268, 118649.	3.9	30
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27	Machine learning for design of thin-film nanocomposite membranes. Separation and Purification Technology, 2021, 270, 118383.	3.9	38
28	Thin film composite solvent resistant nanofiltration membrane via interfacial polymerization on an engineered polyethylene membrane support coated with polydopamine. Journal of Membrane Science, 2021, 634, 119406.	4.1	26
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30	Effectively regulating interfacial polymerization process via in-situ constructed 2D COFs interlayer for fabricating organic solvent nanofiltration membranes. Journal of Membrane Science, 2021, 637, 119618.	4.1	34
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32	Repairing of graphene oxide membranes based on SPEEK substrate for organic solvents nanofiltration through PEI needle thread method. Carbon, 2021, 185, 39-47.	5.4	13
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35	High separation performance thin film composite and thin film nanocomposite hollow fiber membranes via interfacial polymerization for organic solvent nanofiltration. Separation and Purification Technology, 2021, 278, 119567.	3.9	23
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37	Interfacially Polymerized Thin-Film Composite Membranes for Organic Solvent Nanofiltration. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001671.	1.9	49
38	MXene Nanosheet Templated Nanofiltration Membranes toward Ultrahigh Water Transport. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1270-1278.	4.6	102
39	Recent Developments in Nanoporous Graphene Membranes for Organic Solvent Nanofiltration: A Short Review. <i>Membranes</i> , 2021, 11, 793.	1.4	11
40	Recent progress of organic solvent nanofiltration membranes. <i>Progress in Polymer Science</i> , 2021, 123, 101470.	11.8	107
41	TFC solvent-resistant nanofiltration membrane prepared via a gyroid-like PE support coated with polydopamine/Tannic acid-Fe(III). <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 400-410.	2.9	12
42	Conjugated polyaniline derivative membranes enable ultrafast nanofiltration and organic-solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022, 645, 120241.	4.1	20
43	A novel organic solvent nanofiltration (OSN) membrane fabricated by Poly(m-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 507 Td (i 647, 120259.	4.1	8
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47	Gas permeation and microstructure of reduced graphene oxide/polyethyleneimine multilayer films created via recast and layer-by-layer deposition processes. <i>RSC Advances</i> , 2022, 12, 6561-6572.	1.7	8
48	Ultrathin Membranes for Separations: A New Era Driven by Advanced Nanotechnology. <i>Advanced Materials</i> , 2022, 34, e2108457.	11.1	58
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53	Ultra-smooth and ultra-thin polyamide thin film nanocomposite membranes incorporated with functionalized MoS <sub>2</sub> nanosheets for high performance organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2022, 291, 120937.	3.9	23
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56	Vacuum-Assisted Interfacial Polymerization Technique for Enhanced Pervaporation Separation Performance of Thin-Film Composite Membranes. <i>Membranes</i> , 2022, 12, 508.	1.4	2
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58	Nanocomposite membranes for organic solvent nanofiltration: Recent advances, challenges, and prospects. <i>Chemosphere</i> , 2022, 308, 136329.	4.2	22
59	Intercalated 2D nanowires network cooperating with its entanglement in tuneable GO membrane nanochannels for ultrafast organic solvent nanofiltration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 654, 130066.	2.3	6
60	A combined experimental and molecular dynamics simulation study on customizing surface chemistry of graphene oxide toward high-performance natural rubber composites. <i>Polymer International</i> , 0, , .	1.6	1
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62	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
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