

CITATION REPORT

List of articles citing

Probing the Contributions of Interior and Exterior Channels of Nanofillers toward the Enhanced Separation Performance of a Thin-Film Nanocomposite Reverse Osmosis Membrane

DOI: 10.1021/acs.estlett.0c00507

Environmental Science and Technology Letters, 2020, 7, 766-772.

Source: <https://exaly.com/paper-pdf/75927403/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
34	A Critical Review on Thin-Film Nanocomposite Membranes with Interlayered Structure: Mechanisms, Recent Developments, and Environmental Applications. <i>Environmental Science & Technology</i> , 2020 , 54, 15563-15583	10.3	89
33	Graphene quantum dots (GQDs)-assembled membranes with intrinsic functionalized nanochannels for high-performance nanofiltration. <i>Chemical Engineering Journal</i> , 2021 , 420, 127602	14.7	18
32	Fabrication of desalination membranes by interfacial polymerization: history, current efforts, and future directions. <i>Chemical Society Reviews</i> , 2021 , 50, 6290-6307	58.5	50
31	Corn Stalk-Derived Carbon Quantum Dots with Abundant Amino Groups as a Selective-Layer Modifier for Enhancing Chlorine Resistance of Membranes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22621-22634	9.5	7
30	Understanding water and solute transport in thin film nanocomposite membranes by resistance-in-series theory combined with Monte Carlo simulation. <i>Journal of Membrane Science</i> , 2021 , 626, 119106	9.6	3
29	Enhanced removal of hydrophobic endocrine disrupting compounds from wastewater by nanofiltration membranes intercalated with hydrophilic MoS ₂ nanosheets: Role of surface properties and internal nanochannels. <i>Journal of Membrane Science</i> , 2021 , 628, 119267	9.6	15
28	Regulating composition and structure of nanofillers in thin film nanocomposite (TFN) membranes for enhanced separation performance: A critical review. <i>Separation and Purification Technology</i> , 2021 , 266, 118567	8.3	42
27	Polyamide membranes enabled by covalent organic framework nanofibers for efficient reverse osmosis. <i>Journal of Polymer Science</i> ,	2.4	0
26	A planned review on designing of high-performance nanocomposite nanofiltration membranes for pollutants removal from water. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 101, 78-125	6.3	11
25	Fabrication of defect-free thin-film nanocomposite (TFN) membranes for reverse osmosis desalination. <i>Desalination</i> , 2021 , 516, 115230	10.3	10
24	Fabrication of high performance nanofiltration membranes based on the interfacial polymerization regulated by the incorporation of dextran nanoparticles. <i>Desalination</i> , 2021 , 519, 115308	10.3	3
23	A critical review on porous substrates of TFC polyamide membranes: Mechanisms, membrane performances, and future perspectives. <i>Journal of Membrane Science</i> , 2022 , 641, 119871	9.6	28
22	Tailored design of nanofiltration membranes for water treatment based on synthesis-property-performance relationships.. <i>Chemical Society Reviews</i> , 2021 ,	58.5	19
21	Modifying Cellulose Nanocrystal Dispersibility to Address the Permeability/Selectivity Trade-Off of Thin-Film Nanocomposite Reverse Osmosis Membranes. <i>SSRN Electronic Journal</i> ,	1	
20	Tweak in Puzzle: Tailoring Membrane Chemistry and Structure toward Targeted Removal of Organic Micropollutants for Water Reuse. <i>Environmental Science and Technology Letters</i> ,	11	4
19	Nanofiltration membranes with enhanced performance by constructing an interlayer integrated with dextran nanoparticles and polyethyleneimine coating. <i>Journal of Membrane Science</i> , 2022 , 120537	9.6	1
18	Modeling and optimization of metal-organic frameworks membranes for reverse osmosis with artificial neural networks. <i>Desalination</i> , 2022 , 532, 115729	10.3	0

17	Electrospun polyacrylonitrile/hydroxyapatite composite nanofibrous membranes for the removal of lead ions from aqueous solutions. <i>New Journal of Chemistry</i> ,	3.6	0
16	Nano-Striped Polyamide Membranes Enabled by Vacuum-Assisted Incorporation of Hierarchical Flower-Like MoS ₂ for Enhanced Nanofiltration Performance. <i>SSRN Electronic Journal</i> ,	1	0
15	In situ assembled zeolite imidazolate framework nanocrystals hybrid thin film nanocomposite membranes for brackish water desalination. <i>Separation and Purification Technology</i> , 2022 , 293, 121134	8.3	0
14	Modulating interfacial polymerization with phytate as aqueous-phase additive for highly-permselective nanofiltration membranes. <i>Journal of Membrane Science</i> , 2022 , 657, 120673	9.6	0
13	Recent progress in nanomaterial-functionalized membranes for removal of pollutants. <i>IScience</i> , 2022 , 25, 104616	6.1	3
12	Modifying cellulose nanocrystal dispersibility to address the permeability/selectivity trade-off of thin-film nanocomposite reverse osmosis membranes. <i>Desalination</i> , 2022 , 538, 115900	10.3	0
11	Unveiling the Growth of Polyamide Nanofilms at Water/Organic Free Interfaces: Toward Enhanced Water/Salt Selectivity. <i>Environmental Science & Technology</i> , 2022 , 56, 10279-10288	10.3	0
10	Enhancing the NaCl/Na ₂ SO ₄ separation selectivity and chlorine resistance of nanofiltration membranes by incorporating novel designed starch nanoparticles. 2022 , 604, 154417		0
9	Nanofiltration Membranes with Crumpled Polyamide Films: A Critical Review on Mechanisms, Performances, and Environmental Applications. 2022 , 56, 12811-12827		3
8	Engineering metal-organic frameworks (MOFs) based thin-film nanocomposite (TFN) membranes for molecular separation. 2022 , 140447		1
7	Boosting the Performance of Nanofiltration Membranes in Removing Organic Micropollutants: Trade-Off Effect, Strategy Evaluation, and Prospective Development. 2022 , 56, 15220-15237		2
6	Nano-striped polyamide membranes enabled by vacuum-assisted incorporation of hierarchical flower-like MoS ₂ for enhanced nanofiltration performance. 2023 , 668, 121250		0
5	Transition metal dichalcogenide-based functional membrane: Synthesis, modification, and water purification applications. 2023 , 6, 59-96		0
4	Regulating interfacial polymerization via a multi-functional calcium carbonate based interlayer for a highly permselective nanofiltration membrane.		0
3	Fabrication of novel thin-film nanocomposite polyamide membrane by the interlayer approach: A review. 2023 , 554, 116509		0
2	Water desalination through FAU zeolite studied by using molecular dynamics simulations. 2023 , 380, 121683		0
1	Correlating the role of nanofillers with active layer properties and performance of thin-film nanocomposite membranes. 2023 , 550, 116370		0