

Potable Water Reuse through Advanced Membrane Tec

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Removal of steroid hormone micropollutants by UF-PBSAC composite in presence of organic matter. <i>Journal of Membrane Science</i> , 2019, 592, 117315.	4.1	24
2	Engineering Selective Desalination Membranes via Molecular Control of Polymer Functional Groups. <i>Environmental Science and Technology Letters</i> , 2019, 6, 462-466.	3.9	22
3	Preparation and Characterization of Thin-Film Nanocomposite Membrane Incorporated with MoO ₃ Nanoparticles with High Flux Performance for Forward Osmosis. <i>ChemistrySelect</i> , 2019, 4, 7832-7837.	0.7	6
4	Monitoring the integrity of reverse osmosis membranes using novel indigenous freshwater viruses and bacteriophages. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1535-1544.	1.2	20
5	The upper bound of thin-film composite (TFC) polyamide membranes for desalination. <i>Journal of Membrane Science</i> , 2019, 590, 117297.	4.1	381
6	Hydrophilic Selective Nanochannels Created by Metal Organic Frameworks in Nanofiltration Membranes Enhance Rejection of Hydrophobic Endocrine-Disrupting Compounds. <i>Environmental Science & Technology</i> , 2019, 53, 13776-13783.	4.6	111
7	Characterization of implementation limits and identification of optimization strategies for sustainable water resource recovery through life cycle impact analysis. <i>Environment International</i> , 2019, 133, 105266.	4.8	12
8	0476 Gender Difference of Obstructive Sleep Apnea among Patients Awaiting Bariatric Surgery. <i>Sleep</i> , 2019, 42, A191-A191.	0.6	0
9	Anti-oil-fouling hydrophobic-superoleophobic composite membranes for robust membrane distillation performance. <i>Science of the Total Environment</i> , 2019, 696, 133883.	3.9	43
10	Structurally Stable, Antifouling, and Easily Renewable Reduced Graphene Oxide Membrane with a Carbon Nanotube Protective Layer. <i>Environmental Science & Technology</i> , 2019, 53, 11896-11903.	4.6	19
11	Seawater pretreatment with an NF-like forward osmotic membrane: Membrane preparation, characterization and performance comparison with RO-like membranes. <i>Desalination</i> , 2019, 470, 114115.	4.0	18
12	Assessing the passage of particles through polyamide reverse osmosis membranes. <i>Separation and Purification Technology</i> , 2019, 226, 8-12.	3.9	7
13	Effect of pre-oxidation on low pressure membrane (LPM) for water and wastewater treatment: A review. <i>Chemosphere</i> , 2019, 231, 287-300.	4.2	70
14	Confined nanobubbles shape the surface roughness structures of thin film composite polyamide desalination membranes. <i>Journal of Membrane Science</i> , 2019, 582, 342-349.	4.1	143
15	Calcium-Carboxyl Intrabridging during Interfacial Polymerization: A Novel Strategy to Improve Antifouling Performance of Thin Film Composite Membranes. <i>Environmental Science & Technology</i> , 2019, 53, 4371-4379.	4.6	64
16	Faster and safer: Research priorities in water and health. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 593-606.	2.1	9
17	Hydrophilic Silver Nanoparticles Induce Selective Nanochannels in Thin Film Nanocomposite Polyamide Membranes. <i>Environmental Science & Technology</i> , 2019, 53, 5301-5308.	4.6	190
18	Concentration and Recovery of Dyes from Textile Wastewater Using a Self-Standing, Support-Free Forward Osmosis Membrane. <i>Environmental Science & Technology</i> , 2019, 53, 3078-3086.	4.6	76

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19	Thin film nanocomposite hollow fiber membranes comprising Na ⁺ -functionalized carbon quantum dots for brackish water desalination. <i>Water Research</i> , 2019, 154, 54-61.	5.3	79
20	Non-Polyamide Based Nanofiltration Membranes Using Green Metal-Organic Coordination Complexes: Implications for the Removal of Trace Organic Contaminants. <i>Environmental Science & Technology</i> , 2019, 53, 2688-2694.	4.6	90
21	Membrane Fouling and Performance of Flat Ceramic Membranes in the Application of Drinking Water Purification. <i>Water (Switzerland)</i> , 2019, 11, 2606.	1.2	21
22	High flux hyperbranched starch-graphene oxide piperazinamide composite nanofiltration membrane. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103300.	3.3	39
23	Filtration Performances of Different Polysaccharides in Microfiltration Process. <i>Processes</i> , 2019, 7, 897.	1.3	13
24	Fate of steroid hormone micropollutant estradiol in a hybrid magnetic ion exchange resin-nanofiltration process. <i>Environmental Chemistry</i> , 2019, 16, 630.	0.7	5
25	Integrity of reverse osmosis membrane for removing bacteria: new insight into bacterial passage. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 239-245.	1.2	11
26	Understanding the mechanisms of trace organic contaminant removal by high retention membrane bioreactors: a critical review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34085-34100.	2.7	40
27	Assessing the passage of small pesticides through reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2020, 595, 117577.	4.1	30
28	Recent advances in mitigating membrane biofouling using carbon-based materials. <i>Journal of Hazardous Materials</i> , 2020, 382, 120976.	6.5	67
29	How to understand the effects of heat curing conditions on the morphology and performance of poly(piperazine-amide) NF membrane. <i>Journal of Membrane Science</i> , 2020, 597, 117640.	4.1	44
30	Application of stabilized hypobromite for controlling membrane fouling and N-nitrosodimethylamine formation. <i>Chemosphere</i> , 2020, 240, 124939.	4.2	3
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32	Exfoliated hydrotalcite-modified polyethersulfone-based nanofiltration membranes for removal of lead from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29725-29736.	2.7	7
33	Removal of organic micropollutants using advanced membrane-based water and wastewater treatment: A review. <i>Journal of Membrane Science</i> , 2020, 598, 117672.	4.1	238
34	A modeling framework to evaluate blending of seawater and treated wastewater streams for synergistic desalination and potable reuse. <i>Water Research</i> , 2020, 170, 115282.	5.3	22
35	Polyamide Membranes with Net-Like Nanostructures Induced by Different Charged MOFs for Elevated Nanofiltration. <i>ACS Applied Polymer Materials</i> , 2020, 2, 585-593.	2.0	38
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38	Real-time reverse osmosis monitoring for antiscalant dose selection in advanced treatment of wastewater. <i>AWWA Water Science</i> , 2020, 2, e1196.	1.0	3
39	Influence of casting solution formula on the performance of novel polyacrylonitrile/polysulfone blend ultrafiltration membrane. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	1
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48	Thin-film nanocomposite membranes containing tannic acid-Fe ³⁺ modified MoS ₂ nanosheets with enhanced nanofiltration performance. <i>Journal of Membrane Science</i> , 2020, 616, 118605.	4.1	82
49	Metal-Organic Framework Nanosheets for Thin-Film Composite Membranes with Enhanced Permeability and Selectivity. <i>ACS Applied Nano Materials</i> , 2020, 3, 9238-9248.	2.4	57
50	Photodegradation of Pharmaceutical and Personal Care Products (PPCPs) and Antibacterial Activity in Water by Transition Metals. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 254, 131-162.	0.7	1
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56	Dually Charged MOF-Based Thin-Film Nanocomposite Nanofiltration Membrane for Enhanced Removal of Charged Pharmaceutically Active Compounds. <i>Environmental Science & Technology</i> , 2020, 54, 7619-7628.	4.6	95
57	Impact of heat modification conditions on the removal of N-nitrosodimethylamine by polyamide reverse osmosis membranes. <i>Separation and Purification Technology</i> , 2020, 247, 116921.	3.9	11
58	Nanoporous high-temperature filters based on Ti-Al ceramic SHS materials. <i>Ceramics International</i> , 2020, 46, 23180-23185.	2.3	4
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65	Ultrastable Nanofiltration Membranes Engineered by Polydopamine-Assisted Polyelectrolyte Layer-by-Layer Assembly for Water Reclamation. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	6
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67	Intrinsic Nanoscale Structure of Thin Film Composite Polyamide Membranes: Connectivity, Defects, and Structure-Property Correlation. <i>Environmental Science & Technology</i> , 2020, 54, 3559-3569.	4.6	135
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72	Emerging thin-film nanocomposite (TFN) membranes for reverse osmosis: A review. <i>Water Research</i> , 2020, 173, 115557.	5.3	230

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75	Thin-film nanocomposite membranes incorporated with UiO-66-NH ₂ nanoparticles for brackish water and seawater desalination. <i>Journal of Membrane Science</i> , 2020, 604, 118039.	4.1	116
76	Nutrients removal in membrane bioreactors for wastewater treatment. , 2020, , 163-180.		1
77	Degradation of non-oxidizing biocide benzalkonium chloride and bulk dissolved organic matter in reverse osmosis concentrate by UV/chlorine oxidation. <i>Journal of Hazardous Materials</i> , 2020, 396, 122669.	6.5	11
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80	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
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108	Mechanisms of Silica Scale Formation on Organic Macromolecule-Coated Surfaces. <i>ACS ES&T Water</i> , 2021, 1, 1826-1836.	2.3	6

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109	A robust dually charged membrane prepared via catechol-amine chemistry for highly efficient dye/salt separation. <i>Journal of Membrane Science</i> , 2021, 629, 119287.	4.1	44
110	Wastewater treatment decentralization: Is this the right direction for megacities in the Global South?. <i>Science of the Total Environment</i> , 2021, 778, 146227.	3.9	20
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130	Direct Potable Reuse: Are We Ready? A Review of Technological, Economic, and Environmental Considerations. <i>ACS ES&T Engineering</i> , 2022, 2, 273-291.	3.7	16
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