

Membrane fouling in osmotically driven membrane pro

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Efficiently Combining Water Reuse and Desalination through Forward Osmosisâ€”Reverse Osmosis (FO-RO) Hybrids: A Critical Review. <i>Membranes</i> , 2016, 6, 37.	1.4	93
2	Forward osmosis desalination by utilizing chlorhexidine gluconate based mouthwash as a reusable draw solute. <i>Chemical Engineering Journal</i> , 2016, 304, 962-969.	6.6	24
3	A triangular fuzzy TOPSIS-based approach for the application of water technologies in different emergency water supply scenarios. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17277-17286.	2.7	15
4	Fouling characteristics and their implications on cleaning of a FO-RO pilot process for treating brackish surface water. <i>Desalination</i> , 2016, 394, 91-100.	4.0	39
5	Quantifying osmotic membrane fouling to enable comparisons across diverse processes. <i>Journal of Membrane Science</i> , 2016, 511, 92-107.	4.1	27
6	An Effective Design of Electrically Conducting Thin-Film Composite (TFC) Membranes for Bio and Organic Fouling Control in Forward Osmosis (FO). <i>Environmental Science & Technology</i> , 2016, 50, 10596-10605.	4.6	50
7	Salinity Gradients for Sustainable Energy: Primer, Progress, and Prospects. <i>Environmental Science & Technology</i> , 2016, 50, 12072-12094.	4.6	261
8	Improved blending strategy for membrane modification by virtue of surface segregation using surface-tailored amphiphilic nanoparticles. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	20
9	Application of pressure assisted forward osmosis for water purification and reuse of reverse osmosis concentrate from a water reclamation plant. <i>Separation and Purification Technology</i> , 2016, 171, 182-190.	3.9	38
10	Fouling evaluation and mechanisms in a FO-RO hybrid process for direct potable reuse. <i>Journal of Membrane Science</i> , 2016, 520, 89-98.	4.1	58
11	Organic fouling behaviour of structurally and chemically different forward osmosis membranes â€” A study of cellulose triacetate and thin film composite membranes. <i>Journal of Membrane Science</i> , 2016, 520, 247-261.	4.1	79
12	Improvement of the energy generation by pressure retarded osmosis. <i>Energy</i> , 2016, 116, 1323-1333.	4.5	16
13	A high-performance and fouling resistant thin-film composite membrane prepared via coating TiO ₂ nanoparticles by sol-gel-derived spray method for PRO applications. <i>Desalination</i> , 2016, 397, 157-164.	4.0	38
14	Functional magnetic particles providing osmotic pressure as reusable draw solutes in forward osmosis membrane process. <i>Advanced Powder Technology</i> , 2016, 27, 2136-2144.	2.0	20
15	The potential of hybrid forward osmosis membrane bioreactor (FOMBR) processes in achieving high throughput treatment of municipal wastewater with enhanced phosphorus recovery. <i>Water Research</i> , 2016, 105, 370-382.	5.3	83
16	Iodide recovery from thin film transistor liquid crystal display plants by using potassium hydroxide - driven forward osmosis. <i>Journal of Membrane Science</i> , 2016, 520, 214-220.	4.1	16
17	Surrogating membrane resistance variables for assessing reverse osmosis fouling during wastewater upgrading for unrestricted use. <i>Journal of Membrane Science</i> , 2016, 520, 990-997.	4.1	5
18	In situ visualization of organic fouling and cleaning mechanisms in reverse osmosis and forward osmosis. <i>Desalination</i> , 2016, 399, 138-147.	4.0	34

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19	Pressure-assisted preparation of graphene oxide quantum dot-incorporated reverse osmosis membranes: antifouling and chlorine resistance potentials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16896-16905.	5.2	161
20	Hydroacid magnetic nanoparticles in forward osmosis for seawater desalination and efficient regeneration via integrated magnetic and membrane separations. <i>Journal of Membrane Science</i> , 2016, 520, 550-559.	4.1	32
21	Recent developments in forward osmosis membrane bioreactors: a comprehensive review. <i>Desalination and Water Treatment</i> , 2016, 57, 28610-28645.	1.0	18
22	Factors governing the pre-concentration of wastewater using forward osmosis for subsequent resource recovery. <i>Science of the Total Environment</i> , 2016, 566-567, 559-566.	3.9	52
23	Impact of hydraulic pressure on membrane deformation and trace organic contaminants rejection in pressure assisted osmosis (PAO). <i>Chemical Engineering Research and Design</i> , 2016, 102, 316-327.	2.7	36
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25	Comparison of fouling propensity and physical cleaning effect in forward osmosis, reverse osmosis, and membrane distillation. <i>Desalination and Water Treatment</i> , 2016, 57, 24532-24541.	1.0	22
26	Unique roles of aminosilane in developing anti-fouling thin film composite (TFC) membranes for pressure retarded osmosis (PRO). <i>Desalination</i> , 2016, 389, 119-128.	4.0	36
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28	Fabrication and characterization of fabric-reinforced pressure retarded osmosis membranes for osmotic power harvesting. <i>Journal of Membrane Science</i> , 2016, 504, 75-88.	4.1	53
29	Antifouling Thin-Film Composite Membranes by Controlled Architecture of Zwitterionic Polymer Brush Layer. <i>Environmental Science & Technology</i> , 2017, 51, 2161-2169.	4.6	232
30	In situ surface modification of thin film composite forward osmosis membranes with sulfonated poly(arylene ether sulfone) for anti-fouling in emulsified oil/water separation. <i>Journal of Membrane Science</i> , 2017, 527, 26-34.	4.1	74
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34	Forward osmosis membrane fouling and cleaning for wastewater reuse. <i>Journal of Water Reuse and Desalination</i> , 2017, 7, 111-120.	1.2	30
35	A network-based approach to interpreting pore blockage and cake filtration during membrane fouling. <i>Journal of Membrane Science</i> , 2017, 528, 112-125.	4.1	25
36	Ultrasound-assisted forward osmosis for mitigating internal concentration polarization. <i>Journal of Membrane Science</i> , 2017, 528, 147-154.	4.1	49

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37	From water to organics in membrane separations. <i>Nature Materials</i> , 2017, 16, 276-279.	13.3	358
38	Dewatering of activated sludge by forward osmosis (FO) with ultrasound for fouling control. <i>Desalination</i> , 2017, 421, 79-88.	4.0	34
39	Graphene-based antimicrobial polymeric membranes: a review. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6776-6793.	5.2	174
40	Nano-sized metal organic framework to improve the structural properties and desalination performance of thin film composite forward osmosis membrane. <i>Journal of Membrane Science</i> , 2017, 531, 59-67.	4.1	148
41	Identification of the type of foulants and investigation of the membrane cleaning methods for PRO processes in osmotic power application. <i>Desalination</i> , 2017, 421, 135-148.	4.0	8
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47	Forward osmosis for oily wastewater reclamation: Multi-charged oxalic acid complexes as draw solutes. <i>Water Research</i> , 2017, 122, 580-590.	5.3	49
48	Recent advances in forward osmosis (FO) membrane: Chemical modifications on membranes for FO processes. <i>Desalination</i> , 2017, 419, 101-116.	4.0	176
49	Pilot-scale evaluation of FO-RO osmotic dilution process for treating wastewater from coal-fired power plant integrated with seawater desalination. <i>Journal of Membrane Science</i> , 2017, 540, 78-87.	4.1	77
50	Insights on Tuning the Nanostructure of rGO Laminate Membranes for Low Pressure Osmosis Process. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22509-22517.	4.0	35
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58	Removal of cobalt ions from aqueous solution by forward osmosis. <i>Separation and Purification Technology</i> , 2017, 177, 8-20.	3.9	64
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64	Pressure-retarded osmosis with wastewater concentrate feed: Fouling process considerations. <i>Journal of Membrane Science</i> , 2017, 542, 233-244.	4.1	36
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82	Effect of reverse solute diffusion on scaling in forward osmosis: A new control strategy by tailoring draw solution chemistry. <i>Desalination</i> , 2017, 401, 230-237.	4.0	44
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126	Analysis of the influence of module construction upon forward osmosis performance. <i>Desalination</i> , 2018, 431, 151-156.	4.0	12

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128	Impact of module design in forward osmosis and pressure assisted osmosis: An experimental and numerical study. <i>Desalination</i> , 2018, 426, 108-117.	4.0	24
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143	Thin Film Composite Membrane for Oily Waste Water Treatment: Recent Advances and Challenges. <i>Membranes</i> , 2018, 8, 86.	1.4	65
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146	A review of heterogeneous nucleation of calcium carbonate and control strategies for scale formation in multi-stage flash (MSF) desalination plants. <i>Desalination</i> , 2018, 442, 75-88.	4.0	108
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148	Performance of a seawater-driven forward osmosis process for pre-concentrating digested sludge centrate: organic enrichment and membrane fouling. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1047-1056.	1.2	16
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