

# CITATION REPORT

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**High recovery of concentrated RO brines using forward osmosis and membrane distillation**

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#	Paper	IF	Citations
440	Solute coupled diffusion in osmotically driven membrane processes. <b>2009</b> , 43, 6769-75		362
439	Selection of inorganic-based draw solutions for forward osmosis applications. <i>Journal of Membrane Science</i> , <b>2010</b> , 364, 233-241	9.6	533
438	One-step fabrication of high selective hollow fiber nanofiltration membrane module. <b>2010</b> , 11, 1041-1048		6
437	Cellulose acetate nanofiltration hollow fiber membranes for forward osmosis processes. <i>Journal of Membrane Science</i> , <b>2010</b> , 355, 36-44	9.6	226
436	Performance of asymmetric hollow fibre membranes in membrane distillation under various configurations and vacuum enhancement. <i>Journal of Membrane Science</i> , <b>2010</b> , 362, 517-528	9.6	82
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413	A review of draw solutes in forward osmosis process and their use in modern applications. <b>2012</b> , 43, 167-184		205
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262	Synthesis of AgCl Mineralized Thin Film Composite Polyamide Membranes To Enhance Performance and Antifouling Properties in Forward Osmosis. <b>2017</b> , 56, 1064-1073		12

261	Membrane fouling and wetting in membrane distillation and their mitigation by novel membranes with special wettability. <b>2017</b> , 112, 38-47		174
260	Forward Osmosis. <b>2017</b> , 385-412		
259	A review of the management and treatment of brine solutions. <b>2017</b> , 3, 625-658		84
258	Understanding the impact of membrane properties and transport phenomena on the energetic performance of membrane distillation desalination. <i>Journal of Membrane Science</i> , <b>2017</b> , 539, 458-474	9.6	86
257	Tris(2-aminoethyl)amine in-situ modified thin-film composite membranes for forward osmosis applications. <i>Journal of Membrane Science</i> , <b>2017</b> , 537, 186-201	9.6	56
256	Control of protein (BSA) fouling by ultrasonic irradiation during membrane distillation process. <i>Separation and Purification Technology</i> , <b>2017</b> , 175, 287-297	8.3	23
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253	Membrane distillation: Perspectives for sustainable and improved desalination. <b>2017</b> , 80, 238-259		241
252	Recent Developments in Forward Osmosis Processes. <b>2017</b> , 16, 9781780408125		7
251	Relating osmotic performance of thin film composite hollow fiber membranes to support layer surface pore size. <i>Journal of Membrane Science</i> , <b>2017</b> , 540, 344-353	9.6	38
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247	Heat extraction and brine management from salinity gradient solar pond and membrane distillation. <b>2017</b> , 118, 226-237		19
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243	Brine management methods: Recent innovations and current status. <i>Desalination</i> , <b>2017</b> , 407, 1-23	10.3	154
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241	Effect of long-term operation on membrane surface characteristics and performance in membrane distillation. <i>Journal of Membrane Science</i> , <b>2017</b> , 543, 143-150	9.6	56
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239	Energy-saving NF/EDR integrated membrane process for seawater desalination. Part II. The optimization of ED process. <i>Desalination</i> , <b>2017</b> , 422, 142-152	10.3	10
238	Total water production capacity inversion phenomenon in multi-stage direct contact membrane distillation: A theoretical study. <i>Journal of Membrane Science</i> , <b>2017</b> , 544, 126-134	9.6	24
237	Reverse osmosis brine treatment using direct contact membrane distillation: Effects of feed temperature and velocity. <i>Desalination</i> , <b>2017</b> , 423, 149-156	10.3	46
236	Membrane-based zero liquid discharge: Myth or reality?. <b>2017</b> , 80, 192-202		66
235	Sustainable Water Reclamation from Different Feed Streams by Forward Osmosis Process Using Deep Eutectic Solvents as Reusable Draw Solution. <b>2017</b> , 56, 14623-14632		21
234	Utilization of Desalination Brine for Sodium Hydroxide Production: Technologies, Engineering Principles, Recovery Limits, and Future Directions. <b>2017</b> , 5, 11147-11162		48
233	Treatment of reverse osmosis brine by direct contact membrane distillation: Chemical pretreatment approach. <i>Desalination</i> , <b>2017</b> , 420, 79-90	10.3	59
232	Rubidium extraction from seawater brine by an integrated membrane distillation-selective sorption system. <b>2017</b> , 123, 321-331		42
231	Comparison of polysaccharide fouling in forward osmosis and reverse osmosis separations. <i>Desalination</i> , <b>2017</b> , 402, 174-184	10.3	37
230	Synergistic effect of combined colloidal and organic fouling in membrane distillation: Measurements and mechanisms. <b>2017</b> , 3, 119-127		31
229	Transport phenomena and fouling in vacuum enhanced direct contact membrane distillation: Experimental and modelling. <i>Separation and Purification Technology</i> , <b>2017</b> , 172, 285-295	8.3	33
228	Thin-film composite forward osmosis membrane with high water flux and high pressure resistance using a thicker void-free polyketone porous support. <i>Desalination</i> , <b>2017</b> , 402, 1-9	10.3	39
227	Membrane distillation for wastewater reverse osmosis concentrate treatment with water reuse potential. <i>Journal of Membrane Science</i> , <b>2017</b> , 524, 565-575	9.6	94
226	A Short Review of Membrane Fouling in Forward Osmosis Processes. <i>Membranes</i> , <b>2017</b> , 7,	3.8	86

225	Autonomous Solar-Powered Desalination Systems for Remote Communities. <b>2017</b> , 75-125		2
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222	4.8 New Membrane Distillation Integrated Systems. <b>2017</b> , 150-163		
221	Prevention and management of silica scaling in membrane distillation using pH adjustment. <i>Journal of Membrane Science</i> , <b>2018</b> , 554, 366-377	9.6	42
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214	Novel graphene nanoplatelets-coated polyethylene membrane for the treatment of reject brine by pilot-scale direct contact membrane distillation: An optimization study. <i>Desalination</i> , <b>2018</b> , 441, 9-20	10.3	18
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207	Fabrication of thin film composite forward osmosis membrane using electrospun polysulfone/polyacrylonitrile blend nanofibers as porous substrate. <i>Desalination</i> , <b>2018</b> , 425, 68-76	10.3	55
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205	FO/MD hybrid system for real dairy wastewater recycling. <b>2018</b> , 39, 2411-2421		19
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