

Substrate modifications and alcohol treatment on thin film osmotic power

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Citation Report

#	ARTICLE	IF	CITATIONS
1	POSS-containing delamination-free dual-layer hollow fiber membranes for forward osmosis and osmotic power generation. <i>Journal of Membrane Science</i> , 2013, 443, 144-155.	8.2	97
2	Modification of polyamide thin-film composite membranes with amino-cyclodextrins and diethylamino-cyclodextrins for water desalination. <i>Separation and Purification Technology</i> , 2013, 120, 328-340.	7.9	27
3	Draw solutions for forward osmosis processes: Developments, challenges, and prospects for the future. <i>Journal of Membrane Science</i> , 2013, 442, 225-237.	8.2	400
4	Effects of free volume in thin-film composite membranes on osmotic power generation. <i>AIChE Journal</i> , 2013, 59, 4749-4761.	3.6	45
5	Outer-Selective Pressure-Retarded Osmosis Hollow Fiber Membranes from Vacuum-Assisted Interfacial Polymerization for Osmotic Power Generation. <i>Environmental Science & Technology</i> , 2013, 47, 13167-13174.	10.0	98
6	High performance thin film composite pressure retarded osmosis (PRO) membranes for renewable salinity-gradient energy generation. <i>Journal of Membrane Science</i> , 2013, 440, 108-121.	8.2	189
7	Pressure Retarded Osmosis and Forward Osmosis Membranes: Materials and Methods. <i>Polymers</i> , 2013, 5, 303-327.	4.5	193
8	Minimizing the Instant and Accumulative Effects of Salt Permeability to Sustain Ultrahigh Osmotic Power Density. <i>Environmental Science & Technology</i> , 2013, 47, 10085-10092.	10.0	105
9	Highly Robust Thin-Film Composite Pressure Retarded Osmosis (PRO) Hollow Fiber Membranes with High Power Densities for Renewable Salinity-Gradient Energy Generation. <i>Environmental Science & Technology</i> , 2013, 47, 8070-8077.	10.0	124
10	Thin-film composite P84 co-polyimide hollow fiber membranes for osmotic power generation. <i>Applied Energy</i> , 2014, 114, 600-610.	10.1	80
11	Robust and high performance pressure retarded osmosis hollow fiber membranes for osmotic power generation. <i>AIChE Journal</i> , 2014, 60, 1107-1119.	3.6	65
12	Conceptual demonstration of novel closed-loop pressure retarded osmosis process for sustainable osmotic energy generation. <i>Applied Energy</i> , 2014, 132, 383-393.	10.1	45
13	Hydrophilic nylon 6,6 nanofibers supported thin film composite membranes for engineered osmosis. <i>Journal of Membrane Science</i> , 2014, 457, 162-169.	8.2	138
14	Enhanced osmotic energy generation from salinity gradients by modifying thin film composite membranes. <i>Chemical Engineering Journal</i> , 2014, 242, 195-203.	12.7	122
15	A new commercial thin film composite membrane for forward osmosis. <i>Desalination</i> , 2014, 343, 187-193.	8.2	229
16	Design of robust hollow fiber membranes with high power density for osmotic energy production. <i>Chemical Engineering Journal</i> , 2014, 241, 457-465.	12.7	123
17	Polydopamine and Its Derivative Materials: Synthesis and Promising Applications in Energy, Environmental, and Biomedical Fields. <i>Chemical Reviews</i> , 2014, 114, 5057-5115.	47.7	3,865
18	Novel forward osmosis process to effectively remove heavy metal ions. <i>Journal of Membrane Science</i> , 2014, 467, 188-194.	8.2	192

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19	Engineering design of outer-selective tribore hollow fiber membranes for forward osmosis and oil-water separation. <i>AIChE Journal</i> , 2015, 61, 4491-4501.	3.6	17
20	Recent Advances in Osmotic Energy Generation via Pressure-Retarded Osmosis (PRO): A Review. <i>Energies</i> , 2015, 8, 11821-11845.	3.1	63
21	Novel and emerging membranes for water treatment by electric potential and concentration gradient membrane processes. , 2015, , 287-325.		1
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