

# Toward Resource Recovery from Wastewater: Extraction of Sludge Using a Hybrid Forward Osmosis “Membrane”

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Removal of Trace Organic Chemicals and Performance of a Novel Hybrid Ultrafiltration-Osmotic Membrane Bioreactor. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10859-10868.	4.6	126
2	Forward osmosis niches in seawater desalination and wastewater reuse. <i>Water Research</i> , 2014, 66, 122-139.	5.3	300
3	High retention membrane bioreactors: Challenges and opportunities. <i>Bioresource Technology</i> , 2014, 167, 539-546.	4.8	101
4	A new method for nutrients removal and recovery from wastewater using a bioelectrochemical system. <i>Bioresource Technology</i> , 2014, 166, 630-634.	4.8	90
5	Novel forward osmosis process to effectively remove heavy metal ions. <i>Journal of Membrane Science</i> , 2014, 467, 188-194.	4.1	192
6	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. <i>Bioresource Technology</i> , 2015, 191, 30-36.	4.8	78
7	A sacrificial-layer approach to fabricate polysulfone support for forward osmosis thin-film composite membranes with reduced internal concentration polarisation. <i>Journal of Membrane Science</i> , 2015, 481, 106-114.	4.1	85
8	Potential of Osmotic Membrane Crystallization Using Dense Membranes for Na <sub>2</sub> CO <sub>3</sub> Production in a CO <sub>2</sub> Capture Scenario. <i>Crystal Growth and Design</i> , 2015, 15, 695-705.	1.4	24
9	Evaluation of hydroacid complex in the forward osmosis membrane distillation (FO-MD) system for desalination. <i>Journal of Membrane Science</i> , 2015, 494, 1-7.	4.1	43
10	Role of pressure in organic fouling in forward osmosis and reverse osmosis. <i>Journal of Membrane Science</i> , 2015, 493, 748-754.	4.1	174
11	The osmotic membrane bioreactor: a critical review. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 581-605.	1.2	105
12	Engineering flat sheet microporous PVDF films for membrane distillation. <i>Journal of Membrane Science</i> , 2015, 492, 355-363.	4.1	118
13	Efficient Phosphate Sequestration in Waters by the Unique Hierarchical 3D <i>Artemia</i> Egg Shell Supported Nano-Mg(OH) <sub>2</sub> Composite and Sequenced Potential Application in Slow Release Fertilizer. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2496-2503.	3.2	32
14	Role of Reverse Divalent Cation Diffusion in Forward Osmosis Biofouling. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13222-13229.	4.6	50
15	Osmotic dilution for sustainable greenwall irrigation by liquid fertilizer: Performance and implications. <i>Journal of Membrane Science</i> , 2015, 494, 32-38.	4.1	44
16	Effects of anti-scaling and cleaning chemicals on membrane scale in direct contact membrane distillation process for RO brine concentrate. <i>Separation and Purification Technology</i> , 2015, 154, 22-26.	3.9	59
17	Separation of tetracycline from wastewater using forward osmosis process with thin film composite membrane – Implications for antibiotics recovery. <i>Separation and Purification Technology</i> , 2015, 153, 76-83.	3.9	81
18	Membrane distillation: Recent developments and perspectives. <i>Desalination</i> , 2015, 356, 56-84.	4.0	833

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19	Recent advances in membrane distillation processes: Membrane development, configuration design and application exploring. <i>Journal of Membrane Science</i> , 2015, 474, 39-56.	4.1	740
21	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
22	Spacer-induced forward osmosis membrane integrity loss during gypsum scaling. <i>Desalination</i> , 2016, 392, 85-90.	4.0	26
23	Transport and accumulation of organic matter in forward osmosis-reverse osmosis hybrid system: Mechanism and implications. <i>Separation and Purification Technology</i> , 2016, 167, 6-16.	3.9	12
24	Mass transfer in forward osmosis with hollow fiber membranes. <i>Journal of Membrane Science</i> , 2016, 514, 176-185.	4.1	18
26	Principles and applications of direct contact membrane distillation (DCMD): A comprehensive review. <i>Desalination</i> , 2016, 398, 222-246.	4.0	292
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38	The integrated processes for wastewater treatment based on the principle of microbial fuel cells: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 60-91.	6.6	144

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40	Microbial electrochemical nutrient recovery in anaerobic osmotic membrane bioreactors. <i>Water Research</i> , 2017, 114, 181-188.	5.3	81
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63	4.8 New Membrane Distillation Integrated Systems. , 2017, , 150-163.		1
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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