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List of Publications by Year in descending order

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25 papers	1,921 citations	430754 18 h-index	677027 22 g-index
25 all docs	25 docs citations	25 times ranked	1628 citing authors

#	Article	IF	Citations
1	Synthesis and Characterization of Novel Forward Osmosis Membranes based on Layer-by-Layer Assembly. Environmental Science & Technology, 2011, 45, 5201-5208.	4.6	225
2	Nanocomposite substrates for controlling internal concentration polarization in forward osmosis membranes. Journal of Membrane Science, 2013, 441, 54-62.	4.1	222
3	Synthesis of high flux forward osmosis membranes by chemically crosslinked layer-by-layer polyelectrolytes. Journal of Membrane Science, 2011, 381, 74-80.	4.1	175
4	Synthesis and characterization of novel antibacterial silver nanocomposite nanofiltration and forward osmosis membranes based on layer-by-layer assembly. Water Research, 2013, 47, 3081-3092.	5.3	161
5	Intrinsic Nanoscale Structure of Thin Film Composite Polyamide Membranes: Connectivity, Defects, and Structureâ€“Property Correlation. Environmental Science & Technology, 2020, 54, 3559-3569.	4.6	135
6	Boric Acid Permeation in Forward Osmosis Membrane Processes: Modeling, Experiments, and Implications. Environmental Science & Technology, 2011, 45, 2323-2330.	4.6	131
7	Double-skinned forward osmosis membranes based on layer-by-layer assemblyâ€”FO performance and fouling behavior. Journal of Membrane Science, 2012, 405-406, 20-29.	4.1	130
8	Thin film nanocomposite reverse osmosis membrane incorporated with UiO-66 nanoparticles for enhanced boron removal. Journal of Membrane Science, 2019, 580, 101-109.	4.1	123
9	Aquaporin-based biomimetic reverse osmosis membranes: Stability and long term performance. Journal of Membrane Science, 2016, 508, 94-103.	4.1	115
10	Fabrication of aquaporin-based biomimetic membrane for seawater desalination. Desalination, 2019, 467, 103-112.	4.0	72
11	Ultra-thin, multi-layered polyamide membranes: Synthesis and characterization. Journal of Membrane Science, 2017, 540, 10-18.	4.1	66
12	Charge-Gated Ion Transport through Polyelectrolyte Intercalated Amine Reduced Graphene Oxide Membranes. ACS Applied Materials & Interfaces, 2017, 9, 41482-41495.	4.0	63
13	Influence of the properties of layer-by-layer active layers on forward osmosis performance. Journal of Membrane Science, 2012, 423-424, 536-542.	4.1	55
14	Polymersomes-based high-performance reverse osmosis membrane for desalination. Journal of Membrane Science, 2018, 555, 177-184.	4.1	53
15	Highly Efficient Forward Osmosis Based on Porous Membranesâ€”Applications and Implications. Environmental Science & Technology, 2015, 49, 4690-4695.	4.6	51
16	Structural stability and mass transfer properties of pressure retarded osmosis (PRO) membrane under high operating pressures. Journal of Membrane Science, 2015, 488, 143-153.	4.1	50
17	Synthesis and characterization of silica gelâ€“polyacrylonitrile mixed matrix forward osmosis membranes based on layer-by-layer assembly. Separation and Purification Technology, 2014, 124, 207-216.	3.9	40
18	Towards improved separation performance using porous FO membranes: The critical roles of membrane separation properties and draw solution. Journal of Membrane Science, 2016, 498, 67-74.	4.1	20

#	Article	IF	Citations
19	Ultrathin polyamide nanofilm with an asymmetrical structure: A novel strategy to boost the permeance of reverse osmosis membranes. Journal of Membrane Science, 2020, 612, 118402.	4.1	17
20	Modification of thin film composite hollow fiber membranes for osmotic energy generation with low organic fouling tendency. Desalination, 2017, 424, 131-139.	4.0	8
21	Towards a High Rejection Desalination Membrane: The Confined Growth of Polyamide Nanofilm Induced by Alkyl-Capped Graphene Oxide. Membranes, 2021, 11, 488.	1.4	5
22	REMOVED: Porous forward osmosis membranes for polishing biologically treated wastewater: Condition optimization and draw solution recovery. Bioresource Technology, 2018, 263, 192-198.	4.8	4
23	Removal notice to Porous forward osmosis membranes for polishing biologically treated wastewater: Condition optimization and draw solution recovery Bioresource Technology 263 (2018) 192â€“198. Bioresource Technology, 2018, 263, R1.	4.8	0
24	Cross-Linked Layer-by-Layer Membranes. , 2014, , 1-2.		0
25	Cross-Linked Layer-by-Layer Membranes. , 2016, , 482-483.		0