

Khaled Touati

List of Publications by Year in descending order

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26
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424
citing authors

#	ARTICLE	IF	CITATIONS
1	Desalination Process Design Assisted by Osmotic Power for High Water Recovery and Low Energy Consumption. ACS Sustainable Chemistry and Engineering, 2022, 10, 2409-2419.	3.2	4
2	Closed-loop pressure retarded osmosis draw solutions and their regeneration processes: A review. Renewable and Sustainable Energy Reviews, 2022, 159, 112191.	8.2	6
3	Effect of Fe ²⁺ ions on gypsum precipitation during bulk crystallization of reverse osmosis concentrates. Chemosphere, 2021, 263, 127866.	4.2	16
4	High Flux and Antifouling Thin-Film Nanocomposite Forward Osmosis Membrane with Ingrained Silica Nanoparticles. ACS ES&T Engineering, 2021, 1, 467-477.	3.7	12
5	An economic evaluation of renewable energy-powered membrane distillation for desalination of brackish water. Renewable Energy, 2021, 169, 1294-1304.	4.3	32
6	Increased power density with low salt flux using organic draw solutions for pressure-retarded osmosis at elevated temperatures. Desalination, 2020, 484, 114420.	4.0	22
7	Viability of pressure-retarded osmosis for harvesting energy from salinity gradients. Renewable and Sustainable Energy Reviews, 2020, 131, 109999.	8.2	13
8	Energetic and economic feasibility of a combined membrane-based process for sustainable water and energy systems. Applied Energy, 2020, 264, 114699.	5.1	23
9	Inorganic Scaling in Desalination Systems. , 2020, , 251-268.		1
10	Iron fouling prevention and membrane cleaning during reverse osmosis process. International Journal of Environmental Science and Technology, 2019, 16, 3809-3818.	1.8	15
11	Feasibility of a hybrid membrane-based process (MF-FO-MD) for fracking wastewater treatment. Separation and Purification Technology, 2019, 229, 115802.	3.9	33
12	Inhibition of calcium carbonate scaling by precipitation using secondary nucleation coupled to degassing with atmospheric air. Journal of Water Process Engineering, 2018, 22, 258-264.	2.6	9
13	Sand filters scaling by calcium carbonate precipitation during groundwater reverse osmosis desalination. Desalination, 2018, 430, 24-32.	4.0	18
14	Treatment of coastal well water using ultrafiltration-nanofiltration-reverse osmosis to produce isotonic solutions and drinking water: Fouling behavior and energy efficiency. Journal of Cleaner Production, 2018, 200, 1053-1064.	4.6	23
15	Study of fouling in two-stage reverse osmosis desalination unit operating without an inlet pH adjustment: diagnosis and implications. Water Science and Technology: Water Supply, 2017, 17, 1682-1693.	1.0	6
16	Osmotic energy recovery from Reverse Osmosis using two-stage Pressure Retarded Osmosis. Energy, 2017, 132, 213-224.	4.5	23
17	Energy recovery from two-stage SWRO plant using PRO without external freshwater feed stream: Theoretical analysis. Renewable Energy, 2017, 105, 84-95.	4.3	18
18	Green energy generation by pressure retarded osmosis: State of the art and technical advancementâ€”review. International Journal of Green Energy, 2017, 14, 337-360.	2.1	39

#	ARTICLE	IF	CITATIONS
19	Pressure Retarded Osmosis as Renewable Energy Source. , 2017, , 1-54.		3
20	Water and Salt Fluxes in Pressure Retarded Osmosis. , 2017, , 55-95.		2
21	Effects of the Temperatures on PRO. , 2017, , 97-128.		0
22	Study of the Reverse Salt Diffusion in pressure retarded osmosis: Influence on concentration polarization and effect of the operating conditions. Desalination, 2016, 389, 171-186.	4.0	49
23	Effect of the operating temperature on hydrodynamics and membrane parameters in pressure retarded osmosis. Desalination and Water Treatment, 2016, 57, 10477-10489.	1.0	20
24	Effect of the feed and draw solution temperatures on PRO performance: Theoretical and experimental study. Desalination, 2015, 365, 182-195.	4.0	38
25	Evaluation of the recovery of osmotic energy in desalination plants by using pressure retarded osmosis. Desalination and Water Treatment, 2013, 51, 360-365.	1.0	17
26	Energy recovery using salinity differences in a multi-effect distillation system. Desalination and Water Treatment, 0, , 1-8.	1.0	8