

Samer Adham

List of Publications by Year in descending order

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47
papers

1,677
citations

304368

22
h-index

288905

40
g-index

47
all docs

47
docs citations

47
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Membrane Distillation for desalting brines from thermal desalination plants. Desalination, 2013, 314, 101-108.	4.0	192
2	Innovative beneficial reuse of reverse osmosis concentrate using bipolar membrane electrodialysis and electrochlorination processes. Journal of Membrane Science, 2009, 326, 392-399.	4.1	143
3	The status of forward osmosis technology implementation. Desalination, 2019, 461, 10-21.	4.0	120
4	Membrane applications and opportunities for water management in the oil & gas industry. Desalination, 2018, 440, 2-17.	4.0	114
5	Effect of operational parameters on distillate flux in direct contact membrane distillation (DCMD): Comparison between experimental and model predicted performance. Desalination, 2014, 336, 110-120.	4.0	102
6	Field evaluation of membrane distillation technologies for desalination of highly saline brines. Desalination, 2014, 351, 101-108.	4.0	75
7	A predictive model for the assessment of the temperature polarization effect in direct contact membrane distillation desalination of high salinity feed. Desalination, 2014, 341, 38-49.	4.0	72
8	Application of forward osmosis for reducing volume of produced/Process water from oil and gas operations. Desalination, 2015, 376, 1-8.	4.0	66
9	Designing Flexible and Porous Fibrous Membranes for Oil Water Separation—A Review of Recent Developments. Polymer Reviews, 2020, 60, 671-716.	5.3	66
10	Gas field produced/process water treatment using forward osmosis hollow fiber membrane: Membrane fouling and chemical cleaning. Desalination, 2017, 402, 143-151.	4.0	65
11	Salinity gradient energy generation by pressure retarded osmosis: A review. Desalination, 2021, 500, 114841.	4.0	52
12	Application of Hollow Fiber Forward Osmosis Membranes for Produced and Process Water Volume Reduction: An Osmotic Concentration Process. Environmental Science & Technology, 2016, 50, 6044-6052.	4.6	47
13	Polymeric adsorbents for oil removal from water. Chemosphere, 2019, 233, 809-817.	4.2	47
14	Reverse osmosis integrity monitoring. Desalination, 2007, 214, 138-149.	4.0	37
15	Designing Carbon Nanotube-Based Oil Absorbing Membranes from Gamma Irradiated and Electrospun Polystyrene Nanocomposites. Materials, 2019, 12, 709.	1.3	36
16	Membrane distillation: recent technological developments and advancements in membrane materials. Emergent Materials, 2022, 5, 347-367.	3.2	33
17	Field evaluation of membrane distillation followed by humidification/dehumidification crystallizer for inland desalination of saline groundwater. Desalination, 2016, 398, 12-21.	4.0	30
18	Assessing the Biotreatability of Produced Water From a Qatari Gas Field. SPE Journal, 2015, 20, 1113-1119.	1.7	29

#	ARTICLE	IF	CITATIONS
19	Vertically oriented nanoporous block copolymer membranes for oil/water separation and filtration. <i>Soft Matter</i> , 2020, 16, 9648-9654.	1.2	26
20	Application of emerging ion exchange resin for boron removal from saline groundwater. <i>Journal of Water Process Engineering</i> , 2019, 32, 100906.	2.6	25
21	Application of membrane contactors to remove hydrogen sulfide from sour water. <i>Journal of Membrane Science</i> , 2017, 541, 378-385.	4.1	23
22	A tool for assessing the scalability of pressure-retarded osmosis (PRO) membranes. <i>Renewable Energy</i> , 2020, 149, 987-999.	4.3	23
23	White Graphene-Cobalt Oxide Hybrid Filler Reinforced Polystyrene Nanofibers for Selective Oil Absorption. <i>Polymers</i> , 2020, 12, 4.	2.0	23
24	Using Advanced Water Treatment Technologies To Treat Produced Water From The Petroleum Industry. , 2012, , .		22
25	Mesoporous silica filled smart super oleophilic fibers of triblock copolymer nanocomposites for oil absorption applications. <i>Emergent Materials</i> , 2020, 3, 279-290.	3.2	21
26	Protocol for Preparing Synthetic Solutions Mimicking Produced Water from Oil and Gas Operations. <i>ACS Omega</i> , 2021, 6, 6881-6892.	1.6	20
27	Validation and application of a membrane filtration evaluation protocol for oil-water separation. <i>Journal of Water Process Engineering</i> , 2021, 43, 102185.	2.6	19
28	Evaluation of new ion exchange resins for hardness removal from boiler feedwater. <i>Emergent Materials</i> , 2018, 1, 77-87.	3.2	17
29	An empirical determination of the whole-life cost of FO-based open-loop wastewater reclamation technologies. <i>Water Research</i> , 2019, 163, 114879.	5.3	17
30	Some Theoretical Aspects of Tertiary Treatment of Water/Oil Emulsions by Adsorption and Coalescence Mechanisms: A Review. <i>Water (Switzerland)</i> , 2021, 13, 652.	1.2	14
31	The effect of Hydrogen sulfide oxidation with ultraviolet light and aeration on sour water treatment via membrane contactors. <i>Separation and Purification Technology</i> , 2020, 236, 116262.	3.9	12
32	The Separation of Emulsified Water/Oil Mixtures through Adsorption on Plasma-Treated Polyethylene Powder. <i>Materials</i> , 2021, 14, 1086.	1.3	11
33	Multifunctional Oil Absorption with Macroporous Polystyrene Fibers Incorporating Silver-Doped ZnO. <i>ACS Omega</i> , 2021, 6, 8081-8093.	1.6	11
34	Pressure-retarded osmosis for enhanced oil recovery. <i>Desalination</i> , 2020, 491, 114568.	4.0	9
35	Predicting the performance of spiral-wound membranes in pressure-retarded osmosis processes. <i>Renewable Energy</i> , 2022, 189, 66-77.	4.3	9
36	Pilot-scale evaluation of forward osmosis membranes for volume reduction of industrial wastewater. <i>Desalination</i> , 2022, 531, 115689.	4.0	9

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37	Qatargas Wastewater Treatment Plants: An Advanced Design for Water Reuse. , 2015, , .		7
38	Screening of advanced produced water treatment technologies: overview and testing results. IDA Journal of Desalination and Water Reuse, 2013, 5, 75-82.	0.4	6
39	Evaluation of pretreatment and membrane configuration for pressure-retarded osmosis application to produced water from the petroleum industry. Desalination, 2021, 516, 115219.	4.0	5
40	Fit-for-Purpose Treatment of Produced Water for Hydraulic Fracturing â€œ A Permian Basin Experience. , 2015, , .		4
41	Treatment of produced water from oil & gas operations by Membrane Distillation. , 2015, , 285-292.		4
42	Industrial wastewater volume reduction through osmotic concentration: Membrane module selection and process modeling. Journal of Water Process Engineering, 2021, 40, 101760.	2.6	4
43	Evaluation of cellulose triacetate hollow fiber membrane for volume reduction of real industrial effluents through an osmotic concentration process: A pilot-scale study. Environmental Technology and Innovation, 2021, 24, 101873.	3.0	4
44	Evaluation of polymeric adsorbents via fixed-bed columns for emulsified oil removal from industrial wastewater. Journal of Water Process Engineering, 2022, 49, 102962.	2.6	4
45	In situ synthesized amphiphilic polysulfoneâ€poly(ethyleneâ€glycol) block copolymer/silver nanocomposite for separating oil/water emulsion. Journal of Applied Polymer Science, 2022, 139, .	1.3	1
46	Performance evaluation of emerging block copolymer membranes for oil-water separation. , 2022, 2, .		1
47	Advances in Application of Forward Osmosis Technology for Volume Reduction of Produced/Process Water from Gas-Field Operations. , 2015, , .		0