

Mohammad Mahdi A Shirazi

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,146
citations

393982

19
h-index

610482

24
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28
all docs

28
docs citations

28
times ranked

996
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of commercial PTFE membranes in desalination by direct contact membrane distillation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 76, 16-25.	1.8	156
2	Computational Fluid Dynamic (CFD) opportunities applied to the membrane distillation process: State-of-the-art and perspectives. <i>Desalination</i> , 2016, 377, 73-90.	4.0	116
3	A review on photothermal material and its usage in the development of photothermal membrane for sustainable clean water production. <i>Desalination</i> , 2021, 517, 115259.	4.0	100
4	Direct contact membrane distillation for seawater desalination. <i>Desalination and Water Treatment</i> , 2012, 49, 368-375.	1.0	92
5	Recovery of precious metals from industrial wastewater towards resource recovery and environmental sustainability: A critical review. <i>Desalination</i> , 2022, 527, 115510.	4.0	67
6	Concentration of glycerol from dilute glycerol wastewater using sweeping gas membrane distillation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 78, 58-66.	1.8	60
7	Characterization of polymeric membranes for membrane distillation using atomic force microscopy. <i>Desalination and Water Treatment</i> , 2013, 51, 6003-6008.	1.0	51
8	Acceleration of biodiesel's glycerol decantation through NaCl-assisted gravitational settling: A strategy to economize biodiesel production. <i>Bioresource Technology</i> , 2013, 134, 401-406.	4.8	50
9	Coalescing filtration of oily wastewaters: characterization and application of thermal treated, electrospun polystyrene filters. <i>Desalination and Water Treatment</i> , 2013, 51, 5974-5986.	1.0	47
10	Fabrication and characterization of a novel hydrophobic polystyrene membrane using electroblowing technique for desalination by direct contact membrane distillation. <i>Separation and Purification Technology</i> , 2020, 239, 116498.	3.9	46
11	Production of drinking water from seawater using membrane distillation (MD) alternative: direct contact MD and sweeping gas MD approaches. <i>Desalination and Water Treatment</i> , 2014, 52, 2372-2381.	1.0	41
12	Water desalination and ion removal using mixed matrix electrospun nanofibrous membranes: A critical review. <i>Desalination</i> , 2022, 521, 115350.	4.0	39
13	A novel dual-layer, gas-assisted electrospun, nanofibrous SAN4-HIPS membrane for industrial textile wastewater treatment by direct contact membrane distillation (DCMD). <i>Journal of Water Process Engineering</i> , 2020, 36, 101315.	2.6	36
14	Styrene-acrylonitrile (SAN) nanofibrous membranes with unique properties for desalination by direct contact membrane distillation (DCMD) process. <i>Desalination</i> , 2020, 488, 114502.	4.0	34
15	Sweeping Gas Membrane Distillation (SGMD) as an Alternative for Integration of Bioethanol Processing: Study on a Commercial Membrane and Operating Parameters. <i>Chemical Engineering Communications</i> , 2015, 202, 457-466.	1.5	33
16	Needleless electrospinning of poly(acrylic acid) superabsorbent: Fabrication, characterization and swelling behavior. <i>Polymer Testing</i> , 2020, 84, 106403.	2.3	28
17	A dual-layer, nanofibrous styrene-acrylonitrile membrane with hydrophobic/hydrophilic composite structure for treating the hot dyeing effluent by direct contact membrane distillation. <i>Chemical Engineering Research and Design</i> , 2020, 164, 125-146.	2.7	22
18	A critical review on cadmium recovery from wastewater towards environmental sustainability. <i>Desalination</i> , 2022, 535, 115815.	4.0	21

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19	Assessment of atomic force and scanning electron microscopes for characterization of commercial and electrospun nylon membranes for coke removal from wastewater. <i>Desalination and Water Treatment</i> , 2014, 52, 6611-6619.	1.0	19
20	Evaluation of a novel and highly hydrophobic acrylonitrile-butadiene-styrene membrane for direct contact membrane distillation: Electroblowing/air-assisted electro spraying techniques. <i>Desalination</i> , 2021, 500, 114893.	4.0	19
21	Effect of different light-dark cycles on the membrane fouling, EPS and SMP production in a novel reciprocal membrane photobioreactor (RMPBR) by <i>C. vulgaris</i> species. <i>Journal of Water Process Engineering</i> , 2021, 43, 102256.	2.6	18
22	Assessment of atomic force microscopy for characterization of PTFE membranes for membrane distillation (MD) process. <i>Desalination and Water Treatment</i> , 2015, 54, 295-304.	1.0	17
23	Membrane treatment of biodiesel wash-water: A sustainable solution for water recycling in biodiesel production process. <i>Journal of Water Process Engineering</i> , 2017, 19, 331-337.	2.6	11
24	Concentrating of Sugar Syrup in Bioethanol Production Using Sweeping Gas Membrane Distillation. <i>Membranes</i> , 2019, 9, 59.	1.4	9
25	Electrospun Nanofibrous Membranes for Water Treatment. , 0, , .		8
26	Grand Challenges in Membrane Modules and Processes. , 2022, 1, .		3
27	Water Desalination: Solar-Assisted Membrane Distillation. , 2014, , 2095-2109.		2
28	Electrospun Filters for Oilâ€“Water Separation. , 2018, , 151-173.		1