

Adnan Alhathal Alanezi

List of Publications by Year in descending order

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25
papers

733
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516710

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25
docs citations

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times ranked

833
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in forward osmosis membranes using carbon-based nanomaterials. <i>Desalination</i> , 2020, 482, 114375.	8.2	118
2	Performance of a newly developed titanium oxide nanotubes/polyethersulfone blend membrane for water desalination using vacuum membrane distillation. <i>Desalination</i> , 2014, 346, 30-36.	8.2	70
3	A Review of Fouling Mechanisms, Control Strategies and Real-Time Fouling Monitoring Techniques in Forward Osmosis. <i>Water (Switzerland)</i> , 2019, 11, 695.	2.7	57
4	Magnetic nanomaterials and sensors for biological detection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2459-2473.	3.3	50
5	Self-sterilized composite membranes of cellulose acetate/polyethylene glycol for water desalination. <i>Carbohydrate Polymers</i> , 2016, 149, 207-216.	10.2	43
6	Pressure retarded osmosis process for power generation: Feasibility, energy balance and controlling parameters. <i>Applied Energy</i> , 2017, 206, 303-311.	10.1	42
7	Experimental and theoretical investigation of a new air gap membrane distillation module with a corrugated feed channel. <i>Journal of Membrane Science</i> , 2020, 594, 117461.	8.2	41
8	Development in forward Osmosis-Membrane distillation hybrid system for wastewater treatment. <i>Separation and Purification Technology</i> , 2022, 286, 120498.	7.9	39
9	Single and dual stage closed-loop pressure retarded osmosis for power generation: Feasibility and performance. <i>Applied Energy</i> , 2017, 191, 328-345.	10.1	38
10	Effects of embedding functionalized multi-walled carbon nanotubes and alumina on the direct contact poly(vinylidene fluoride-co-hexafluoropropylene) membrane distillation performance. <i>Chemical Engineering Communications</i> , 2019, 206, 1035-1057.	2.6	33
11	The Effect of Inclination Angle and Reynolds Number on the Performance of a Direct Contact Membrane Distillation (DCMD) Process. <i>Energies</i> , 2020, 13, 2824.	3.1	27
12	Optimization of module pressure retarded osmosis membrane for maximum energy extraction. <i>Journal of Water Process Engineering</i> , 2019, 32, 100935.	5.6	25
13	Simulation Study of Utilizing X-ray Tube in Monitoring Systems of Liquid Petroleum Products. <i>Processes</i> , 2021, 9, 828.	2.8	25
14	The effect of energy recovery device and feed flow rate on the energy efficiency of reverse osmosis process. <i>Chemical Engineering Research and Design</i> , 2020, 158, 12-23.	5.6	23
15	Potential of membrane distillation - a comprehensive review. <i>International Journal of Water</i> , 2013, 7, 317.	0.1	20
16	Synthesis of Schiff base-based cationic Gemini surfactants and evaluation of their effect on in-situ AgNPs preparation: Structure, catalytic, and biological activity study. <i>Journal of Molecular Liquids</i> , 2021, 326, 115342.	4.9	17
17	Theoretical Investigation of Vapor Transport Mechanism Using Tubular Membrane Distillation Module. <i>Membranes</i> , 2021, 11, 560.	3.0	17
18	Photoassisted mineralization of remazole red F3B over NiO/TiO ₂ and CdO/TiO ₂ nanoparticles under simulated sunlight. <i>Separation Science and Technology</i> , 2018, 53, 170-180.	2.5	14

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19	Feasibility Study of Using X-ray Tube and GMDH for Measuring Volume Fractions of Annular and Stratified Regimes in Three-Phase Flows. <i>Symmetry</i> , 2021, 13, 613.	2.2	11
20	Performance Investigation of O-Ring Vacuum Membrane Distillation Module for Water Desalination. <i>Journal of Chemistry</i> , 2016, 2016, 1-11.	1.9	10
21	Enhanced Performance Dual Stage Pressure Retarded Osmosis. <i>Energy Procedia</i> , 2017, 142, 4182-4197.	1.8	8
22	Limitations of osmotic gradient resource and hydraulic pressure on the efficiency of dual stage PRO process. , 0, 105, 11-22.		2
23	Enhancing performance of the membrane distillation process using air injection zigzag system for water desalination. , 0, 207, 43-50.		2
24	Nanofiltration composite polymeric/ceramic membranes prepared from powder waste of ceramic tile kiln remnants. , 0, 126, 67-72.		1
25	Effect of silica fouling on RO membranes used for the desalination of Kuwait brackish water. , 0, 204, 33-39.		0