

Syed Muztuza Ali

List of Publications by Year in descending order

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papers

573
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623574

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586
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#	ARTICLE	IF	CITATIONS
1	Adsorption assisted double stage cooling and desalination employing silica gel + water and AQSOA-Z02 + water systems. <i>Energy Conversion and Management</i> , 2016, 117, 193-205.	4.4	75
2	Energy efficient 3D printed column type feed spacer for membrane filtration. <i>Water Research</i> , 2019, 164, 114961.	5.3	67
3	Surface modification of thin-film composite forward osmosis membranes with polyvinyl alcohol-graphene oxide composite hydrogels for antifouling properties. <i>Desalination</i> , 2020, 491, 114591.	4.0	66
4	Forward osmosis membrane modular configurations for osmotic dilution of seawater by forward osmosis and reverse osmosis hybrid system. <i>Water Research</i> , 2018, 128, 183-192.	5.3	61
5	Thermodynamic modelling and performance study of an engine waste heat driven adsorption cooling for automotive air-conditioning. <i>Applied Thermal Engineering</i> , 2015, 90, 54-63.	3.0	54
6	Forward osmosis system analysis for optimum design and operating conditions. <i>Water Research</i> , 2018, 145, 429-441.	5.3	47
7	3D printing for membrane desalination: Challenges and future prospects. <i>Desalination</i> , 2021, 520, 115366.	4.0	34
8	Thermally driven adsorption cooling and desalination employing multi-bed dual-evaporator system. <i>Applied Thermal Engineering</i> , 2016, 106, 1136-1147.	3.0	26
9	Conceptual design of a dynamic turbospacer for efficient low pressure membrane filtration. <i>Desalination</i> , 2020, 496, 114712.	4.0	26
10	CO ₂ -assisted compression-adsorption hybrid for cooling and desalination. <i>Energy Conversion and Management</i> , 2017, 143, 538-552.	4.4	25
11	Novel hole-pillar spacer design for improved hydrodynamics and biofouling mitigation in membrane filtration. <i>Scientific Reports</i> , 2021, 11, 6979.	1.6	25
12	Dynamic feed spacer for fouling minimization in forward osmosis process. <i>Desalination</i> , 2021, 515, 115198.	4.0	17
13	Forward osmosis system design and optimization using a commercial cellulose triacetate hollow fibre membrane module for energy efficient desalination. <i>Desalination</i> , 2021, 510, 115075.	4.0	16
14	Removal of pharmaceuticals from nitrified urine. <i>Chemosphere</i> , 2021, 280, 130870.	4.2	16
15	Design and development of a volumetric apparatus for the measurement of methane uptakes under cryogenic conditions. <i>Applied Thermal Engineering</i> , 2016, 93, 1175-1182.	3.0	9
16	Experimental investigation of multi-effect regenerator for desiccant dehumidifier: Effects of various regeneration temperatures and solution flow rates on system performances. <i>International Journal of Refrigeration</i> , 2017, 76, 7-18.	1.8	9