

Mousa K Abu-Arabi

List of Publications by Year in descending order

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24
papers

1,834
citations

567247

15
h-index

642715

23
g-index

24
all docs

24
docs citations

24
times ranked

1796
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of nanofiltration membranes: Treatment, pretreatment, modelling, and atomic force microscopy. <i>Desalination</i> , 2004, 170, 281-308.	8.2	643
2	Solar desalination using solar still enhanced by external solar collector and PCM. <i>Applied Thermal Engineering</i> , 2018, 128, 1030-1040.	6.0	246
3	Modelling and performance analysis of a regenerative solar desalination unit. <i>Applied Thermal Engineering</i> , 2004, 24, 1061-1072.	6.0	217
4	Modeling and performance analysis of a solar desalination unit with double-glass cover cooling. <i>Desalination</i> , 2002, 143, 173-182.	8.2	112
5	Air dehumidification by triethylene glycol desiccant in a packed column. <i>Energy Conversion and Management</i> , 2004, 45, 141-155.	9.2	103
6	Predictions of moisture removal rate and dehumidification effectiveness for structured liquid desiccant air dehumidifier. <i>Energy</i> , 2004, 29, 19-34.	8.8	75
7	Theoretical modeling of a glass-cooled solar still incorporating PCM and coupled to flat plate solar collector. <i>Journal of Energy Storage</i> , 2020, 29, 101372.	8.1	69
8	Theoretical investigation of solar desalination with solar still having phase change material and connected to a solar collector. <i>Desalination</i> , 2018, 448, 60-68.	8.2	63
9	Characterization and retention of NF membranes using PEG, HS and polyelectrolytes. <i>Desalination</i> , 2008, 221, 284-293.	8.2	59
10	Technology development and application of solar energy in desalination: MEDRC contribution. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4410-4415.	16.4	49
11	Year-round comparative study of three types of solar desalination units. <i>Desalination</i> , 2005, 172, 137-143.	8.2	41
12	Performance evaluation of desalination processes based on the humidification/dehumidification cycle with different carrier gases. <i>Desalination</i> , 2003, 156, 281-293.	8.2	30
13	Effect of structured packing density on performance of air dehumidifier. <i>Energy Conversion and Management</i> , 2004, 45, 2539-2552.	9.2	26
14	Solubility and Diffusivity of CO ₂ in Triethanolamine Solutions. <i>Journal of Chemical & Engineering Data</i> , 2001, 46, 1125-1129.	1.9	19
15	Physical Solubility and Diffusivity of CO ₂ in Aqueous Diethanolamine Solutions. <i>Journal of Chemical & Engineering Data</i> , 2001, 46, 516-521.	1.9	19
16	Modeling and performance analysis of a solar desalination unit with double-glass cover cooling. <i>Desalination</i> , 2001, 138, 145.	8.2	14
17	Review of MEDRC R&D projects. <i>Desalination</i> , 2003, 156, 1-20.	8.2	14
18	Solar desalination unit with falling film. <i>Desalination and Water Treatment</i> , 2009, 3, 58-63.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Chloride removal from Eshidiya phosphate mining wastewater. <i>Desalination and Water Treatment</i> , 2013, 51, 1634-1640.	1.0	9
20	STATUS AND PROSPECTS FOR SOLAR DESALINATION IN THE MENA REGION. , 2007, , 163-178.		5
21	Parametric study on the batch leaching process of Jojoba oil. <i>European Journal of Lipid Science and Technology</i> , 2005, 107, 469-475.	1.5	4
22	Removal of phosphate from Eshidiya industrial wastewater by sedimentation and enhanced sedimentation. <i>Desalination and Water Treatment</i> , 2013, 51, 1629-1633.	1.0	4
23	Availability analysis of combustion flue gasesâ€”A case study. <i>Energy Conversion and Management</i> , 1995, 36, 1133-1137.	9.2	2
24	Improving the productivity of a falling film solar desalination unit. <i>Desalination and Water Treatment</i> , 2016, 57, 9602-9608.	1.0	2