

Hacene H Mahmoudi

List of Publications by Year in descending order

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43
papers

1,522
citations

471509

17
h-index

434195

31
g-index

45
all docs

45
docs citations

45
times ranked

1673
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable energy-driven desalination technologies: A comprehensive review on challenges and potential applications of integrated systems. <i>Desalination</i> , 2015, 356, 94-114.	8.2	408
2	Low-cost low-enthalpy geothermal heat for freshwater production: Innovative applications using thermal desalination processes. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 196-206.	16.4	98
3	Water Desalination Using Geothermal Energy. <i>Energies</i> , 2010, 3, 1423-1442.	3.1	97
4	Weather data and analysis of hybrid photovoltaic-wind power generation systems adapted to a seawater greenhouse desalination unit designed for arid coastal countries. <i>Desalination</i> , 2008, 222, 119-127.	8.2	90
5	Application of geothermal energy for heating and fresh water production in a brackish water greenhouse desalination unit: A case study from Algeria. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 512-517.	16.4	90
6	Electrochemical treatment of chemical mechanical polishing wastewater: removal of fluoride " sludge characteristics " operating cost. <i>Desalination</i> , 2008, 223, 134-142.	8.2	73
7	Preparation and Characterization of TiO ₂ -PVDF/PMMA Blend Membranes Using an Alternative Non-Toxic Solvent for UF/MF and Photocatalytic Application. <i>Molecules</i> , 2019, 24, 724.	3.8	67
8	Capacity building strategies and policy for desalination using renewable energies in Algeria. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 921-926.	16.4	60
9	Purification of water by activated carbon prepared from olive stones. <i>Desalination</i> , 2008, 222, 519-527.	8.2	59
10	On the use of wind energy to power reverse osmosis desalination plant: A case study from TÃ©nÃ©s (Algeria). <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 956-963.	16.4	55
11	Assessment of wind energy to power solar brackish water greenhouse desalination units: A case study from Algeria. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2149-2155.	16.4	53
12	Reasons for the Fast Growing Seawater Desalination Capacity in Algeria. <i>Water Resources Management</i> , 2011, 25, 2743-2754.	3.9	50
13	Today's and Future Challenges in Applications of Renewable Energy Technologies for Desalination. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 929-999.	12.8	49
14	Development of an empirical model for fluoride removal from photovoltaic wastewater by electrocoagulation process. <i>Desalination and Water Treatment</i> , 2011, 29, 96-102.	1.0	45
15	Improving the performance of a Seawater Greenhouse desalination system by assessment of simulation models for different condensers. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 2182-2188.	16.4	34
16	Evaluating the Effects of Climate Change and Variability on Water Resources: A Case Study of the Cheliff Basin in Algeria. <i>American Journal of Engineering and Applied Sciences</i> , 2016, 9, 835-845.	0.6	23
17	Effectiveness of a photocatalytic organic membrane for solar degradation of methylene blue pollutant. <i>Desalination and Water Treatment</i> , 2016, 57, 14067-14076.	1.0	19
18	Effect of climate change on water resources of the Algerian Middle Cheliff basin. <i>Desalination and Water Treatment</i> , 2014, 52, 2073-2081.	1.0	18

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19	Management of a water distribution network by coupling GIS and hydraulic modeling: a case study of Chetouane in Algeria. <i>Applied Water Science</i> , 2017, 7, 1561-1567.	5.6	16
20	Photocatalytic Nanocomposite Polymer-TiO ₂ Membranes for Pollutant Removal from Wastewater. <i>Catalysts</i> , 2021, 11, 402.	3.5	15
21	Use of ultrafiltration membranes in the treatment of refinery wastewaters. <i>Desalination and Water Treatment</i> , 2009, 5, 159-166.	1.0	13
22	Membrane contactors for the oxygen and pH control in desalination. <i>Journal of Membrane Science</i> , 2011, 376, 207-213.	8.2	12
23	Solar desalination by air-gap membrane distillation: a case study from Algeria. <i>Desalination and Water Treatment</i> , 2016, 57, 22718-22725.	1.0	10
24	Development of a simulation model for a three-dimensional wind velocity field using TÃ©nÃ©s Algeria as a case study. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 29-36.	16.4	8
25	Utilization of electro dialysis for the regeneration of granular activated carbon packed in beds saturated with H ₂ S. <i>Desalination</i> , 2006, 200, 629-631.	8.2	7
26	Application of Renewable Energies for Water Desalination. , 2011, , .		7
27	Synthesis and Characterization of Polymeric/Activated Carbon Membranes. <i>Procedia Engineering</i> , 2012, 33, 47-51.	1.2	7
28	Brackish water desalination in the Algerian Saharaâ€™ Plant design considerations for optimal resource exploitation. <i>Desalination and Water Treatment</i> , 2014, 52, 4040-4052.	1.0	7
29	Analysis of treated wastewater and feasibility for reuse in irrigation: a case study from Chlef, Algeria. <i>Desalination and Water Treatment</i> , 2016, 57, 5222-5231.	1.0	7
30	Efficiency and performance of a drinking water supply network for an urban cluster at Tlemcen Algeria. <i>Desalination and Water Treatment</i> , 2014, 52, 2165-2173.	1.0	6
31	ISWEEâ€™11 Foreword. <i>Procedia Engineering</i> , 2012, 33, 1-2.	1.2	2
32	Contribution of GIS and Hydraulic Modeling to the Management of Water Distribution Network. <i>Key Challenges in Geography</i> , 2019, , 125-150.	0.2	2
33	Coupling geothermal direct heat with agriculture. , 2018, , 277-300.		2
34	Water Desalination in Electrodialysis Applications. , 2016, , 1986-1987.		1
35	Water Desalination in Electrodialysis Applications. , 2015, , 1-2.		1
36	A critical overview of renewable energy technologies for desalination. , 2017, , 1-12.		1

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37	Scientific and Organizing Committees. Procedia Engineering, 2012, 33, 3-5.	1.2	0
38	Brackish water desalination in the Algerian Sahara "Plant design considerations for optimal resource exploitation". Desalination and Water Treatment, 2014, 52, (ix)-(ix).	1.0	0
39	Water Treatment by Electrodialysis. , 2016, , 2015-2015.		0
40	International Conference on Water and Energy (ICW&E™13) 16-17 December 2013, Chlef University, Algeria. Desalination and Water Treatment, 2016, 57, 5213-5214.	1.0	0
41	Water Recycling in Electroless Plating by Membrane Operations. , 2015, , 1-2.		0
42	Water Recycling in Electroless Plating by Membrane Operations. , 2016, , 1999-2000.		0
43	Sustainable Development and Future Trends in Desalination Technology. , 2020, , 345-368.		0