

Souad Abderafi

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

502
citations

759233
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37
all docs

37
docs citations

37
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric study of the sweating step in the seawater desalination process by indirect freezing. Desalination, 2011, 269, 142-147.	8.2	66
2	Sea water desalination by dynamic layer melt crystallization: Parametric study of the freezing and sweating steps. Journal of Crystal Growth, 2012, 342, 110-116.	1.5	64
3	Water desalination by forward osmosis: draw solutes and recovery methods “ review. Environmental Technology Reviews, 2019, 8, 25-46.	4.3	48
4	Freezing desalination of sea water in a static layer crystallizer. Desalination and Water Treatment, 2010, 13, 120-127.	1.0	41
5	Promising bioethanol processes for developing a biorefinery in the Moroccan sugar industry. International Journal of Hydrogen Energy, 2016, 41, 20880-20896.	7.1	41
6	Energy efficiency improvement of a bioethanol distillery, by replacing a rectifying column with a pervaporation unit. Renewable Energy, 2018, 122, 239-250.	8.9	35
7	Energetic optimization of Moroccan distillery using simulation and response surface methodology. Renewable and Sustainable Energy Reviews, 2017, 75, 415-425.	16.4	32
8	Water consumption analysis of Moroccan concentrating solar power station. Solar Energy, 2018, 172, 146-151.	6.1	24
9	Determination of design parameters to minimize LCOE, for a 1 MWe CSP plant in different sites. Renewable Energy, 2021, 169, 1013-1025.	8.9	23
10	Modeling and optimization of distillation to produce bioethanol. Energy Procedia, 2017, 139, 43-48.	1.8	16
11	Prototype of phosphate sludge rotary dryer coupled to a parabolic trough collector solar loop: Integration and experimental analysis. Solar Energy, 2021, 216, 365-376.	6.1	14
12	Parametric study to enhance performance of wastewater treatment process, by reverse osmosis-photovoltaic system. Applied Water Science, 2020, 10, 1.	5.6	13
13	Multi-objective optimization of the first stage dilute sulfuric acid hydrolysis of Moroccan beet pulp. Biomass Conversion and Biorefinery, 2023, 13, 4075-4091.	4.6	10
14	Comparative analysis between optimum configurations of finned tube heat exchanger: Application for solar drying. Case Studies in Thermal Engineering, 2020, 22, 100750.	5.7	9
15	Experimental and theoretical parametric study of forward osmosis system using NH ₄ HCO ₃ and NaCl draw solutes. Chemical Engineering Research and Design, 2022, 180, 402-413.	5.6	7
16	A comparative study of separation processes for bioethanol production. , 2016, , .		6
17	Modelling and optimization of P ₂ O ₅ losses in phosphoric acid attack and filtration process. Materials Today: Proceedings, 2022, 51, 1998-2004.	1.8	6
18	Techno-Economic Evaluation of a Concentrating Solar Power Plant Driven by an Organic Rankine Cycle. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	6

#	ARTICLE	IF	CITATIONS
19	The efficient process for the conversion of bagasse and beet pulp to bioethanol. , 2015, , .		5
20	Pressure Effect on the Stabilization Column in the Petroleum Refinery. Energy Procedia, 2017, 118, 233-237.	1.8	5
21	Municipal Solid Waste Generation from Morocco and Tunisia, and their Possible Energetic Valorization. , 2021, , .		4
22	Response surface optimization of bioethanol production based on process simulation of distillation. , 2015, , .		3
23	Modeling of pervaporation process for the dehydration of bioethanol. , 2015, , .		3
24	Simulation Study Testing Sulfuric Acid Pretreatment and Hydrolysis of Bagasse and Beet Pulp, to Produce Bioethanol in the Moroccan Sugar Industry. , 2017, , .		3
25	Energy Efficiency Improvement of Debutanizer Column, for NGL Separation. International Journal of Environmental Science and Development, 2021, 12, 255-260.	0.6	3
26	Parameteric study to enhance performance of distillation process for bioethanol production by surface response methodology. , 2016, , .		2
27	Specific Electricity Consumption optimization of Raw Grinding Workshop in a Moroccan Cement Plant. , 2018, , .		2
28	Optimization of Off-grid Photovoltaic Powered Reverse Osmosis System using Response Surface Methodology. , 2018, , .		2
29	Experimental Investigation of Thermal Conductivity and Specific Heat of the Calcium Phosphate Ore for a Drying Application. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	2
30	Modeling and Design of a Solar Rotary Dryer Bench Test for Phosphate Sludge. Modelling and Simulation in Engineering, 2022, 2022, 1-11.	0.7	2
31	Reducing energy consumption, operation cost, environmental impact for LPG separation unity, by using process energy integration. , 2016, , .		1
32	Optimisation of the energy efficiency and the CO ₂ reduction, for the NGL separation. , 2016, , .		1
33	Modeling the stabilization column in the petroleum refinery. Energy Procedia, 2017, 139, 61-66.	1.8	1
34	Optimization of the Distillation Column of Petroleum Fractions using ANN Method. , 2018, , .		1
35	The Efficient Co-culture Fermentation Process for Producing 2G Bioethanol. , 2018, , .		1
36	Parametric study on the energy efficiency of the stabilization column. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Concentration Polarization Phenomena in Forward Osmosis Process: An Experimental Study. , 2021, , .		0