

Ahmed Khouya

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

461
citations

840776

11
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Metaheuristic Algorithm for Photovoltaic Parameters: Comparative Study and Prediction with a Firefly Algorithm. Applied Sciences (Switzerland), 2018, 8, 339.	2.5	82
2	Energy and environmental analysis of an indirect hybrid solar dryer of wood using TRNSYS software. Solar Energy, 2019, 183, 132-145.	6.1	68
3	Levelized costs of energy and hydrogen of wind farms and concentrated photovoltaic thermal systems. A case study in Morocco. International Journal of Hydrogen Energy, 2020, 45, 31632-31650.	7.1	51
4	Mathematical modeling and numerical simulation of a parabolic trough collector: A case study in thermal engineering. Thermal Science and Engineering Progress, 2018, 8, 47-54.	2.7	38
5	Performance assessment of a heat pump and a concentrated photovoltaic thermal system during the wood drying process. Applied Thermal Engineering, 2020, 180, 115923.	6.0	34
6	Hydrogen production costs of a polymer electrolyte membrane electrolysis powered by a renewable hybrid system. International Journal of Hydrogen Energy, 2021, 46, 14005-14023.	7.1	34
7	Comparison and evaluation of statistical criteria in the solar cell and photovoltaic module parameters extraction. International Journal of Ambient Energy, 2020, 41, 1482-1494.	2.5	24
8	Effect of regeneration heat and energy storage on thermal drying performance in a hardwood solar kiln. Renewable Energy, 2020, 155, 783-799.	8.9	21
9	Modelling and analysis of a hybrid solar dryer for woody biomass. Energy, 2021, 216, 119287.	8.8	19
10	Energy analysis of a combined solar wood drying system. Solar Energy, 2022, 231, 270-282.	6.1	15
11	Analytical optimization of photovoltaic output with Lagrange Multiplier Method. Optik, 2019, 199, 163379.	2.9	13
12	Performance evaluation and analysis of polycrystalline photovoltaic plant located in Northern Morocco. International Journal of Ambient Energy, 2022, 43, 1262-1268.	2.5	10
13	Performance analysis and optimization of a trilateral organic Rankine powered by a concentrated photovoltaic thermal system. Energy, 2022, 247, 123439.	8.8	10
14	Modelling and Parameters Extraction of Flexible Amorphous Silicon Solar Cell a-Si:H. Applied Solar Energy (English Translation of Geliotekhnika), 2020, 56, 1-12.	1.6	8
15	Parameter estimation of photovoltaic module using bio-inspired firefly algorithm. , 2016, , .		7
16	Investigation of Photovoltaic Output Characteristics with Iterative Methods. Procedia Manufacturing, 2019, 32, 794-801.	1.9	6
17	Bond Graph Modelling of Different Equivalent Models of Photovoltaic Cell. Procedia Manufacturing, 2019, 32, 802-809.	1.9	5
18	Solar Photovoltaic Cell Parameters Extraction Using Differential Evolution Algorithm. Proceedings (mdpi), 2020, 63, .	0.2	5

#	ARTICLE	IF	CITATIONS
19	Thermal performance of a parabolic trough collector under different climatic zones in Morocco. AIP Conference Proceedings, 2018, , .	0.4	4
20	Performance assessment of a dual loop organic rankine cycle powered by a parabolic trough collector for ammonia and hydrogen production purpose. International Journal of Ambient Energy, 2022, 43, 6149-6166.	2.5	3
21	Comparative prediction of single and double diode parameters for solar cell models with firefly algorithm. , 2017, , .		2
22	Comparison of Power Production for Different Photovoltaic Technologies in Nile Delta, Egypt. Procedia Manufacturing, 2020, 46, 724-729.	1.9	1
23	Analytical Modelling and Analysis of Thermal Behavior for Series Resistance of Solar Cell. Advances in Intelligent Systems and Computing, 2019, , 21-29.	0.6	1