Chiheb Bouden

List of Publications by Year
in descending order

26 papers	976 citations	623734 14 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1053 citing authors

#	Article	IF	Citations
1	Development of the ASHRAE Global Thermal Comfort Database II. Building and Environment, 2018, 142, 502-512.	6.9	279
2	An adaptive thermal comfort model for the Tunisian context: a field study results. Energy and Buildings, 2005, 37, 952-963.	6.7	114
3	Dynamic simulation of an integrated solar-driven ejector based air conditioning system with PCM cold storage. Applied Energy, 2017, 190, 600-611.	10.1	91
4	Experimental determination of the heat transfer and cold storage characteristics of a microencapsulated phase change material in a horizontal tank. Energy Conversion and Management, 2015, 94, 275-285.	9.2	60
5	Numerical and experimental study of an integrated solar collector with CPC reflectors. Renewable Energy, 2013, 57, 577-586.	8.9	59
6	A CFD analysis of the flow structure inside a steam ejector to identify the suitable experimental operating conditions for a solar-driven refrigeration system. International Journal of Refrigeration, 2014, 39, 186-195.	3.4	57
7	Validation of a CFD model for the simulation of heat transfer in a tubes-in-tank PCM storage unit. Renewable Energy, 2016, 89, 371-379.	8.9	46
8	Impacts of energy efficiency policies on the integration of renewable energy. Energy Policy, 2019, 133, 110922.	8.8	45
9	Long-term optimisation model of the Tunisian power system. Energy, 2017, 141, 550-562.	8.8	38
10	Influence of glass curtain walls on the building thermal energy consumption under Tunisian climatic conditions: The case of administrative buildings. Renewable Energy, 2007, 32, 141-156.	8.9	34
11	A Solar-Driven Ejector Refrigeration System for Mediterranean Climate: Experience Improvement and New Results Performed. Energy Procedia, 2012, 18, 1115-1124.	1.8	18
12	Overheating caused by passive solar elements in Tunis. Effectiveness of some ways to prevent it. Renewable Energy, 1993, 3, 801-811.	8.9	17
13	Model performance assessment and experimental analysis of a solar assisted cooling system. Solar Energy, 2017, 143, 43-62.	6.1	17
14	Three dimensional heat transfer analysis of combined conduction and radiation in honeycomb transparent insulation. Solar Energy, 2014, 105, 58-70.	6.1	16
15	Pre-design of a Mini CSP Plant. Energy Procedia, 2015, 69, 1613-1622.	1.8	14
16	Coupling TRNSYS 17 and CONTAM: simulation of a naturally ventilated double-skin faÃ§ade. Advances in Building Energy Research, 2015, 9, 293-304.	2.3	14
17	Thermal and fluid dynamic analysis of Direct Steam Generation Parabolic Trough Collectors. Energy Conversion and Management, 2019, 196, 467-483.	9.2	14
18	Assessment of the Inner Skin Composition Impact on the Double-skin FaÃ§ade Energy Performance in the Mediterranean Climate. Energy Procedia, 2017, 111, 195-204.	1.8	11

#	Article	IF	Citations
19	A scenario analysis of potential long-term impacts of COVID-19 on the Tunisian electricity sector. Energy Strategy Reviews, 2021, 38, 100759.	7.3	7
20	Numerical Simulation, Design, and Construction of a Double Glazed Compound Parabolic Concentrators-Type Integrated Collector Storage Water Heater. Journal of Solar Energy Engineering, Transactions of the ASME, 2016, 138, .	1.8	6
21	Sustainability assessment of a hybrid CSP/biomass. Results of a prototype plant in Tunisia. Sustainable Energy Technologies and Assessments, 2020, 42, 100862.	2.7	5
22	Heating performance of an experimental passive solar house in Tunisia. Renewable Energy, 1993, 3, 1-13.	8.9	4
23	Feasibility investigation of coupling a desalination prototype functioning by Aero-Evapo-Condensation with solar units. International Journal of Nuclear Desalination, 2003, 1, 116.	0.2	4
24	A Trnsys simulation of a solar-driven ejector air conditioning system with an integrated PCM cold storage. AIP Conference Proceedings, 2017, , .	0.4	4
25	Impacts of Electricity Subsidies Policy on Energy Transition. Lecture Notes in Energy, 2020, , 65-98.	0.3	2
26	The Role of Social Discount Rate in Energy Modelling. Advanced Sciences and Technologies for Security Applications, 2021, , 475-500.	0.5	0