Salwa Bouadila

List of Publications by Citations

33 papers	939 citations	16 h-index	30 g-index
34 ext. papers	1,141 ext. citations	7.1 avg, IF	4.62 L-index

#	Paper	IF	Citations
33	Thermal behavior of indirect solar dryer: Nocturnal usage of solar air collector with PCM. *Journal of Cleaner Production*, **2017**, 148, 37-48	10.3	113
32	Performance of a new solar air heater with packed-bed latent storage energy for nocturnal use. *Applied Energy*, **2013**, 110, 267-275	10.7	91
31	Solar air heater with phase change material: An energy analysis and a comparative study. *Applied Thermal Engineering*, **2016**, 107, 1057-1064	5.8	85
30	Energy and exergy analysis of a new solar air heater with latent storage energy. *International Journal of Hydrogen Energy*, **2014**, 39, 15266-15274	6.7	72
29	Improvement of the greenhouse climate using a solar air heater with latent storage energy. *Energy*, **2014**, 64, 663-672	7.9	62
28	Enhancement of latent heat storage in a rectangular cavity: Solar water heater case study. *Energy Conversion and Management*, **2014**, 78, 904-912	10.6	56
27	The effect of nocturnal shutter on insulated greenhouse using a solar air heater with latent storage energy. *Solar Energy*, **2015**, 115, 217-228	6.8	50
26	Assessment of the greenhouse climate with a new packed-bed solar air heater at night, in Tunisia. *Renewable and Sustainable Energy Reviews*, **2014**, 35, 31-41	16.2	47
25	Comparative study of conventional and solar heating systems under tunnel Tunisian greenhouses: Thermal performance and economic analysis. *Solar Energy*, **2015**, 120, 620-635	6.8	43
24	Experimental investigation of parabolic trough collector system under Tunisian climate: Design, manufacturing and performance assessment. *Applied Thermal Engineering*, **2016**, 101, 273-283	5.8	42
23	Design and construction of sun tracking systems for solar parabolic concentrator displacement. *Renewable and Sustainable Energy Reviews*, **2016**, 60, 1419-1429	16.2	40
22	Development of a Fuzzy Logic Controller applied to an agricultural greenhouse experimentally validated. *Applied Thermal Engineering*, **2018**, 141, 798-810	5.8	39
21	A highly efficient solution of off-sunshine solar air heating using two packed beds of latent storage energy. *Solar Energy*, **2017**, 155, 1243-1253	6.8	39
20	Autonomous greenhouse microclimate through hydroponic design and refurbished thermal energy by phase change material. *Journal of Cleaner Production*, **2019**, 211, 360-379	10.3	31
19	Thermal performance of a conic basket heat exchanger coupled to a geothermal heat pump for greenhouse cooling under Tunisian climate. *Energy and Buildings*, **2015**, 104, 87-96	7	27
18	Comparative study of different means of concentrated solar flux measurement of solar parabolic dish. *Energy Conversion and Management*, **2013**, 76, 1043-1052	10.6	19
17	Optical, geometric and thermal study for solar parabolic concentrator efficiency improvement under Tunisia environment: A case study. *Energy Conversion and Management*, **2013**, 75, 366-373	10.6	16

16	Conditioning of the tunnel greenhouse in the north of Tunisia using a calcium chloride hexahydrate integrated in polypropylene heat exchanger. *Applied Thermal Engineering*, **2014**, 68, 62-68	5.8	15
15	Experimental validation of the dynamic thermal behavior of two types of agricultural greenhouses in the Mediterranean context. *Renewable Energy*, **2020**, 147, 118-129	8.1	11
14	Optical qualification of a solar parabolic concentrator using photogrammetry technique. *Energy*, **2015**, 90, 403-416	7.9	8
13	Climate assessment of greenhouse equipped with south-oriented PV roofs: An experimental and computational fluid dynamics study. *Sustainable Energy Technologies and Assessments*, **2021**, 45, 101100	4.7	7
12	Beneficial use of two packed beds of latent storage energy for the heating of a hydroponic greenhouse. *Energy Procedia*, **2019**, 162, 156-163	2.3	6
11	Feasibility study of wind turbine system integrated with insulated Greenhouse: Case study in Tunisia. *Sustainable Energy Technologies and Assessments*, **2021**, 47, 101333	4.7	4
10	Thermal optimization of solar dish collector for indirect vapor generation. *International Journal of Energy Research*, **2019**, 43, 7240	4.5	3
9	Thermal analysis of linear solar concentrator for indirect steam generation. *Energy Procedia*, **2019**, 162, 136-145	2.3	2
8	Experimental study of two types of solar heat exchanger used to determine concentrated solar energy in solar parabolic concentrator **2014**,		2
7	Experimental study of two insulated solar greenhouses one of them use a solar air heater with latent heat **2015**,		2
6	Design and implementation of a power supervisory of a controlled greenhouse in the north of Tunisia **2021**, 353-386		2
5	Agronomic and Physiological Performances of Tomato (Lycopersicum esculentum L.) Under Latent Storage Solar Air Heating Conditions. *Innovative Energy & Research*, **2018**, 07,		2
4	Control strategy of a small-scale wind turbine generation with storage system **2019**,		1
3	Low-Cost Systems for Agriculture Energy Management in Tunisia. *Green Energy and Technology*, **2018**, 69-90	0.6	1
2	Parametric study of plate heat exchanger for eventual use in a solar pasteurization process designed for small milk collection centers in Tunisia. *Sustainable Energy Technologies and Assessments*, **2021**, 45, 101174	4.7	1
1	Implementation of a power supervisory for hybrid power system. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2022**, 44, 2169-2185	1.6	