

Sohif Mat

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

2,289
citations

21
h-index

35
g-index

35
ext. papers

2,843
ext. citations

6.4
avg, IF

5.16
L-index

#	Paper	IF	Citations
33	Performance evaluation of renewable energy R&D activities in Malaysia. <i>Renewable Energy</i> , 2021 , 163, 544-560	8.1	15
32	Renewable energy performance evaluation studies using the data envelopment analysis (DEA): A systematic review. <i>Journal of Renewable and Sustainable Energy</i> , 2020 , 12, 062701	2.5	7
31	A combination of fins-nanoparticle for enhancing the discharging of phase-change material used for liquid desiccant air conditioning unite. <i>Journal of Energy Storage</i> , 2019 , 24, 100784	7.8	24
30	Optimal fin parameters used for enhancing the melting and solidification of phase-change material in a heat exchanger unite. <i>Case Studies in Thermal Engineering</i> , 2019 , 14, 100487	5.6	21
29	Energy economic analysis of photovoltaic thermal-thermoelectric (PVT-TE) air collectors. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 92, 187-197	16.2	42
28	Geometric and design parameters of fins employed for enhancing thermal energy storage systems: a review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 1620-1635	16.2	158
27	Experimental and numerical study of solidifying phase-change material in a triplex-tube heat exchanger with longitudinal/triangular fins. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 90, 73-84	5.8	62
26	Thermal Performance Enhancement of Triplex Tube Latent Thermal Storage Using Fins-Nano-Phase Change Material Technique. <i>Heat Transfer Engineering</i> , 2018 , 39, 1067-1080	1.7	25
25	Performance enhancement of photovoltaic grid-connected system using PVT panels with nanofluid. <i>Solar Energy</i> , 2017 , 150, 38-48	6.8	13
24	Experimental and computational study of melting phase-change material in a triplex tube heat exchanger with longitudinal/triangular fins. <i>Solar Energy</i> , 2017 , 155, 142-153	6.8	70
23	Feasibility of a vertical photovoltaic system on a high-rise building in Malaysia: economic evaluation. <i>International Journal of Low-Carbon Technologies</i> , 2017 , 12, 349-357	2.8	2
22	Evaluation of the nanofluid and nano-PCM based photovoltaic thermal (PVT) system: An experimental study. <i>Energy Conversion and Management</i> , 2017 , 151, 693-708	10.6	214
21	A Weibull and finite mixture of the von Mises distribution for wind analysis in Mersing, Malaysia. <i>International Journal of Green Energy</i> , 2017 , 14, 1057-1062	3	2
20	The theoretical framework of smart energy management system for rural area in Mersing Malaysia 2017 ,		2
19	The impact of wind technology among rural community in Mersing Malaysia 2017 ,		3
18	Heat Transfer Enhancement for PCM Thermal Energy Storage in Triplex Tube Heat Exchanger. <i>Heat Transfer Engineering</i> , 2016 , 37, 705-712	1.7	30
17	Experimental studies of rectangular tube absorber photovoltaic thermal collector with various types of nanofluids under the tropical climate conditions. <i>Energy Conversion and Management</i> , 2016 , 124, 528-542	10.6	115

16	Enhance heat transfer in the channel with V-shaped wavy lower plate using liquid nanofluids. <i>Case Studies in Thermal Engineering</i> , 2015 , 5, 13-23	5.6	25
15	Design configurations analysis of wind-induced natural ventilation tower in hot humid climate using computational fluid dynamics. <i>International Journal of Low-Carbon Technologies</i> , 2015 , 10, 332-346	2.8	3
14	Enhancement heat transfer characteristics in the channel with Trapezoidal rib-groove using nanofluids. <i>Case Studies in Thermal Engineering</i> , 2015 , 5, 48-58	5.6	48
13	Experimental study of melting and solidification of PCM in a triplex tube heat exchanger with fins. <i>Energy and Buildings</i> , 2014 , 68, 33-41	7	173
12	Nanofluids for improved efficiency in cooling solar collectors [A review]. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 38, 348-367	16.2	112
11	Thermal Performance on Unglazed Photovoltaic Thermal Polymer Collector. <i>Advanced Materials Research</i> , 2014 , 911, 238-242	0.5	2
10	Thermal Modeling of Photovoltaic Thermal System with Polymer Sheet in Tube Absorber Collector. <i>Applied Mechanics and Materials</i> , 2014 , 699, 468-473	0.3	
9	Internal and external fin heat transfer enhancement technique for latent heat thermal energy storage in triplex tube heat exchangers. <i>Applied Thermal Engineering</i> , 2013 , 53, 147-156	5.8	247
8	Experimental study of PCM melting in triplex tube thermal energy storage for liquid desiccant air conditioning system. <i>Energy and Buildings</i> , 2013 , 60, 270-279	7	61
7	Enhance heat transfer for PCM melting in triplex tube with internal-external fins. <i>Energy Conversion and Management</i> , 2013 , 74, 223-236	10.6	263
6	Numerical study of PCM solidification in a triplex tube heat exchanger with internal and external fins. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 61, 684-695	4.9	191
5	Effects of Loading Percentage of Polyurethane in Lightweight Concrete. <i>Applied Mechanics and Materials</i> , 2013 , 357-360, 1082-1085	0.3	2
4	Empirical study of a wind-induced natural ventilation tower under hot and humid climatic conditions. <i>Energy and Buildings</i> , 2012 , 52, 28-38	7	39
3	Palm-based lightweight concrete system. <i>Journal of Sustainable Cement-Based Materials</i> , 2012 , 1, 192-201	16	3
2	Recent advances in flat plate photovoltaic/thermal (PV/T) solar collectors. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 352-365	16.2	277
1	Hybrid Photovoltaic Thermal (PV/T) Air and Water Based Solar Collectors Suitable for Building Integrated Applications. <i>American Journal of Environmental Sciences</i> , 2009 , 5, 618-624	0.5	38