Sohif Mat

List of Publications by Year
in descending order

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35 papers	3,385 citations	346980 22 h-index	563245 28 g-index
35 all docs	35 docs citations	35 times ranked	2385 citing authors

#	Article	IF	Citations
1	Performance evaluation of renewable energy R&D activities in Malaysia. Renewable Energy, 2021, 163, 544-560.	4.3	34
2	Renewable energy performance evaluation studies using the data envelopment analysis (DEA): A systematic review. Journal of Renewable and Sustainable Energy, 2020, 12, .	0.8	19
3	Optimal fin parameters used for enhancing the melting and solidification of phase-change material in a heat exchanger unite. Case Studies in Thermal Engineering, 2019, 14, 100487.	2.8	43
4	A combination of fins-nanoparticle for enhancing the discharging of phase-change material used for liquid desiccant air conditioning unite. Journal of Energy Storage, 2019, 24, 100784.	3.9	34
5	Energy economic analysis of photovoltaicâ€“thermal-thermoelectric (PVT-TE) air collectors. Renewable and Sustainable Energy Reviews, 2018, 92, 187-197.	8.2	60
6	Geometric and design parameters of fins employed for enhancing thermal energy storage systems: a review. Renewable and Sustainable Energy Reviews, 2018, 82, 1620-1635.	8.2	273
7	Experimental and numerical study of solidifying phase-change material in a triplex-tube heat exchanger with longitudinal/triangular fins. International Communications in Heat and Mass Transfer, 2018, 90, 73-84.	2.9	93
8	Thermal Performance Enhancement of Triplex Tube Latent Thermal Storage Using Fins-Nano-Phase Change Material Technique. Heat Transfer Engineering, 2018, 39, 1067-1080.	1.2	37
9	Performance enhancement of photovoltaic grid-connected system using PVT panels with nanofluid. Solar Energy, 2017, 150, 38-48.	2.9	23
10	Experimental and computational study of melting phase-change material in a triplex tube heat exchanger with longitudinal/triangular fins. Solar Energy, 2017, 155, 142-153.	2.9	121
11	Evaluation of the nanofluid and nano-PCM based photovoltaic thermal (PVT) system: An experimental study. Energy Conversion and Management, 2017, 151, 693-708.	4.4	311
12	Public acceptance on stand-alone renewable energy project in rural area of Malaysia. , 2017, , .		1
13	A Weibull and finite mixture of the von Mises distribution for wind analysis in Mersing, Malaysia. International Journal of Green Energy, 2017, 14, 1057-1062.	2.1	5
14	The theoretical framework of smart energy management system for rural area in Mersing Malaysia. , 2017, , .		2
15	The impact of wind technology among rural community in Mersing Malaysia. , 2017, , .		5
16	Feasibility of a vertical photovoltaic system on a high-rise building in Malaysia: economic evaluation. International Journal of Low-Carbon Technologies, 2017, 12, 349-357.	1.2	5
17	Performance and energy analysis of a solar hybrid desiccant air-conditioning system. AIP Conference Proceedings, 2016, , .	0.3	0
18	Experimental studies of rectangular tube absorber photovoltaic thermal collector with various types of nanofluids under the tropical climate conditions. Energy Conversion and Management, 2016, 124, 528-542.	4.4	187

#	Article	IF	Citations
19	Heat Transfer Enhancement for PCM Thermal Energy Storage in Triplex Tube Heat Exchanger. Heat Transfer Engineering, 2016, 37, 705-712.	1.2	40
20	Design configurations analysis of wind-induced natural ventilation tower in hot humid climate using computational fluid dynamics. International Journal of Low-Carbon Technologies, 2015, 10, 332-346.	1.2	5
21	Enhancement heat transfer characteristics in the channel with Trapezoidal ribâ€“groove using nanofluids. Case Studies in Thermal Engineering, 2015, 5, 48-58.	2.8	74
22	Enhance heat transfer in the channel with V-shaped wavy lower plate using liquid nanofluids. Case Studies in Thermal Engineering, 2015, 5, 13-23.	2.8	36
23	Experimental study of melting and solidification of PCM in a triplex tube heat exchanger with fins. Energy and Buildings, 2014, 68, 33-41.	3.1	265
24	Nanofluids for improved efficiency in cooling solar collectors â€“ A review. Renewable and Sustainable Energy Reviews, 2014, 38, 348-367.	8.2	145
25	Internal and external fin heat transfer enhancement technique for latent heat thermal energy storage in triplex tube heat exchangers. Applied Thermal Engineering, 2013, 53, 147-156.	3.0	365
26	Experimental study of PCM melting in triplex tube thermal energy storage for liquid desiccant air conditioning system. Energy and Buildings, 2013, 60, 270-279.	3.1	88
27	Enhance heat transfer for PCM melting in triplex tube with internalâ€“external fins. Energy Conversion and Management, 2013, 74, 223-236.	4.4	385
28	Numerical study of PCM solidification in a triplex tube heat exchanger with internal and external fins. International Journal of Heat and Mass Transfer, 2013, 61, 684-695.	2.5	261
29	Palm-based lightweight concrete system. Journal of Sustainable Cement-Based Materials, 2012, 1, 192-201.	1.7	4
30	Empirical study of a wind-induced natural ventilation tower under hot and humid climatic conditions. Energy and Buildings, 2012, 52, 28-38.	3.1	53
31	Recent advances in flat plate photovoltaic/thermal (PV/T) solar collectors. Renewable and Sustainable Energy Reviews, 2011, 15, 352-365.	8.2	345
32	Hybrid Photovoltaic Thermal (PV/T) Air and Water Based Solar Collectors Suitable for Building Integrated Applications. American Journal of Environmental Sciences, 2009, 5, 618-624.	0.3	57
33	Effects of Loading Percentage of Polyurethane in Lightweight Concrete. Applied Mechanics and Materials, 0, 357-360, 1082-1085.	0.2	3
34	Thermal Performance on Unglazed Photovoltaic Thermal Polymer Collector. Advanced Materials Research, 0, 911, 238-242.	0.3	6
35	Thermal Modeling of Photovoltaic Thermal System with Polymer Sheet in Tube Absorber Collector. Applied Mechanics and Materials, 0, 699, 468-473.	0.2	0