

Pushpendra Kumar Singh Rathore

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,226
citations

706676

14
h-index

1051228

16
g-index

17
all docs

17
docs citations

17
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical analysis of solar still using Pyrex glass quantum dot in tropical climate. International Journal of Energy Research, 2022, 46, 937-951.	2.2	10
2	A systematic review for performance augmentation of solar still with heat storage materials: A state of art. Journal of Energy Storage, 2022, 47, 103578.	3.9	30
3	Thermal performance of the building envelope integrated with phase change material for thermal energy storage: an updated review.. Sustainable Cities and Society, 2022, 79, 103690.	5.1	81
4	A comprehensive review of direct solar desalination techniques and its advancements. Journal of Cleaner Production, 2021, 284, 124719.	4.6	88
5	Techno-Economic Feasibility Analysis of Parabolic Solar Cooker in Tropical Environment of India. Lecture Notes in Mechanical Engineering, 2021, , 219-229.	0.3	0
6	Enhanced thermophysical properties of organic PCM through shape stabilization for thermal energy storage in buildings: A state of the art review. Energy and Buildings, 2021, 236, 110799.	3.1	146
7	Improvement in thermal properties of PCM/Expanded vermiculite/expanded graphite shape stabilized composite PCM for building energy applications. Renewable Energy, 2021, 176, 295-304.	4.3	92
8	Potential of microencapsulated PCM for energy savings in buildings: A critical review. Sustainable Cities and Society, 2020, 53, 101884.	5.1	97
9	An experimental evaluation of thermal behavior of the building envelope using macroencapsulated PCM for energy savings. Renewable Energy, 2020, 149, 1300-1313.	4.3	115
10	Thermal performance optimization of heat pipe using nanofluid: response surface methodology. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	25
11	Yearly analysis of peak temperature, thermal amplitude, time lag and decrement factor of a building envelope in tropical climate. Journal of Building Engineering, 2020, 31, 101459.	1.6	33
12	Synthesis and Characterization of the Paraffin/Expanded Perlite Loaded With Graphene Nanoparticles as a Thermal Energy Storage Material in Buildings. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.1	38
13	Decentralized solar rooftop photovoltaic in India: On the path of sustainable energy security. Renewable Energy, 2019, 131, 297-307.	4.3	94
14	Potential of macroencapsulated PCM for thermal energy storage in buildings: A comprehensive review. Construction and Building Materials, 2019, 225, 723-744.	3.2	249
15	An Experimental Study On Solar Water Heater Integrated With Phase Change Material. Lecture Notes in Mechanical Engineering, 2019, , 347-356.	0.3	11
16	Solar power utility sector in india: Challenges and opportunities. Renewable and Sustainable Energy Reviews, 2018, 81, 2703-2713.	8.2	65
17	Perspectives of solar photovoltaic water pumping for irrigation in India. Energy Strategy Reviews, 2018, 22, 385-395.	3.3	52