

Sarvenaz Sobhansarbandi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

386
citations

1478505

6
h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	CFD modeling of an evacuated U-tube solar collector integrated with a novel heat transfer fluid. Sustainable Energy Technologies and Assessments, 2022, 52, 102051.	2.7	6
2	Thermal performance investigation of energy storage based U-pipe evacuated tube solar collector: An experimental study. Sustainable Energy Technologies and Assessments, 2022, 52, 102146.	2.7	10
3	Thermal performance improvement of energy storage materials for low operating temperature solar water heating systems. Sustainable Energy Technologies and Assessments, 2022, 52, 102298.	2.7	4
4	Numerical modeling and experimental cross-validation of a solar thermal collector through an innovative hybrid CFD model. Renewable Energy, 2021, 172, 918-928.	8.9	4
5	Utilizing lattice Boltzmann method for heat transfer analysis in solar thermal systems: A review. Sustainable Energy Technologies and Assessments, 2021, 46, 101264.	2.7	0
6	Design optimization and heat transfer enhancement of energy storage based solar thermal collector. Sustainable Energy Technologies and Assessments, 2021, 46, 101260.	2.7	6
7	CFD modeling of a thermal energy storage based heat pipe evacuated tube solar collector. Journal of Energy Storage, 2020, 30, 101528.	8.1	57
8	Novel method of thermal behavior prediction of evacuated tube solar collector. Solar Energy, 2020, 204, 761-768.	6.1	12
9	Computational Fluid Dynamics Modeling of a Heat Pipe Evacuated Tube Solar Collector Integrated With Phase Change Material. , 2019, , .		2
10	Heat Transfer Enhancement of Phase Change Materials for Thermal Energy Storage Systems. , 2019, , .		4
11	Melting Process Expedition of Phase Change Materials via Silicone Oil. , 2018, , .		0
12	Thermal Fluid Analysis of Cold Plasma Methane Reformer. Fluids, 2018, 3, 31.	1.7	1
13	Evacuated tube solar collector with multifunctional absorber layers. Solar Energy, 2017, 146, 342-350.	6.1	57
14	Solar Thermal Collector With Multifunctional Absorber Layers. , 2017, , .		0
15	Evacuated Tube Solar Collectors Integrated With Phase Change Materials and Silicone Oil. , 2017, , .		2
16	Evacuated tube solar collectors integrated with phase change materials. Solar Energy, 2016, 129, 10-19.	6.1	203
17	Performance of Flat-Plate and Compound Parabolic Concentrating Solar Collectors in Underfloor Heating Systems. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.8	18