

George Dogkas

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

298
citations

933447

10
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase change materials in solar domestic hot water systems: A review. International Journal of Thermofluids, 2021, 10, 100075.	7.8	83
2	Experimental and computational investigation of a latent heat energy storage system with a staggered heat exchanger for various phase change materials. Thermal Science and Engineering Progress, 2018, 7, 87-98.	2.7	55
3	Evaluation of water and paraffin PCM as storage media for use in thermal energy storage applications: A numerical approach. International Journal of Thermofluids, 2020, 1-2, 100006.	7.8	25
4	Development and experimental testing of a compact thermal energy storage tank using paraffin targeting domestic hot water production needs. Thermal Science and Engineering Progress, 2020, 19, 100573.	2.7	20
5	A review on Vuilleumier machines. Thermal Science and Engineering Progress, 2018, 8, 340-354.	2.7	19
6	Three-dimensional CFD study of a β -type Stirling Engine. Thermal Science and Engineering Progress, 2019, 11, 302-316.	2.7	16
7	Experimental assessment of a full scale prototype thermal energy storage tank using paraffin for space heating application. International Journal of Thermofluids, 2020, 1-2, 100003.	7.8	14
8	Investigating the performance of a thermal energy storage unit with paraffin as phase change material, targeting buildings' cooling needs: an experimental approach. International Journal of Thermofluids, 2020, 3-4, 100027.	7.8	14
9	CFD study of heat transfer in Stirling engine regenerator. Thermal Science and Engineering Progress, 2020, 17, 100492.	2.7	12
10	3D CFD simulation of a Vuilleumier heat pump. Applied Thermal Engineering, 2019, 153, 604-619.	6.0	11
11	Evaluating a prototype compact thermal energy storage tank using paraffin-based phase change material for domestic hot water production. E3S Web of Conferences, 2019, 116, 00016.	0.5	8
12	Performance Evaluation of a Small-Scale Latent Heat Thermal Energy Storage Unit for Heating Applications Based on a Nanocomposite Organic PCM. ChemEngineering, 2019, 3, 88.	2.4	7
13	Latent Thermal Energy Storage Application in a Residential Building at a Mediterranean Climate. Energies, 2022, 15, 1008.	3.1	7
14	Computational Approach of Charging and Discharging Phases in a Novel Compact Solar Collector with Integrated Thermal Energy Storage Tank: Study of Different Phase Change Materials. Energies, 2022, 15, 1113.	3.1	5
15	Vuilleumier machine speed-effect investigation with CFD and analytical model. International Journal of Heat and Mass Transfer, 2019, 143, 118513.	4.8	2
16	Testing the performance of a prototype thermal energy storage tank working with organic phase change material for space heating application conditions. E3S Web of Conferences, 2019, 116, 00038.	0.5	0
17	Numerical Study of Pressure Drop in Stirling Engine Regenerator. Journal of Energy Engineering - ASCE, 2020, 146, 04020028.	1.9	0