

Mohamed Teggari

List of Publications by Year in descending order

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22
papers

259
citations

1040018

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22
docs citations

22
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of micro/nano enhanced phase change materials. Journal of Thermal Analysis and Calorimetry, 2022, 147, 3989-4016.	3.6	42
2	Performance enhancement of latent heat storage systems by using extended surfaces and porous materials: A state-of-the-art review. Journal of Energy Storage, 2021, 44, 103340.	8.1	37
3	Melting of hybrid nano-enhanced phase change material in an inclined finned rectangular cavity for cold energy storage. Journal of Energy Storage, 2022, 50, 104185.	8.1	33
4	New potential applications of phase change materials: A review. Journal of Energy Storage, 2022, 53, 105202.	8.1	31
5	Hybrid thermal performance enhancement of shell and tube latent heat thermal energy storage using nano-additives and metal foam. Journal of Energy Storage, 2021, 44, 103347.	8.1	25
6	Effect of Magnetic Field and Nanoparticle Concentration on Melting of Cu-Ice in a Rectangular Cavity under Fluctuating Temperatures. Journal of Energy Storage, 2021, 36, 102421.	8.1	23
7	Numerical Investigation of a PCM Heat Exchanger for Latent Cool Storage. Energy Procedia, 2013, 36, 1310-1319.	1.8	12
8	Effect of Fin Orientation on Melting Process in Horizontal Double Pipe Thermal Energy Storage Systems. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	12
9	Numerical Investigation of Charging and Discharging Processes of a Shell and Tube Nano-Enhanced Latent Thermal Storage Unit. Journal of Thermal Science and Engineering Applications, 2020, 12, .	1.5	9
10	Heat transfer enhancement of ice storage systems: a systematic review of the literature. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11611-11632.	3.6	7
11	Effect of graphene nanoparticles on charging and discharging processes of latent thermal energy storage using horizontal cylinders. Sustainable Energy Technologies and Assessments, 2021, 45, 101242.	2.7	6
12	Onset of Natural Convection and Transition Laminar-Oscillatory Convection Flow in Rayleigh-Bénard Configuration. International Journal of Heat and Technology, 2016, 34, 151-157.	0.6	6
13	Unsteady Double Diffusive Natural Convection with Dufour and Soret Effects. International Journal of Heat and Technology, 2016, 34, 39-46.	0.6	5
14	Effect of sand as thermal damper integrated in flat plate water solar thermal collector. International Journal of Heat and Technology, 2018, 36, 21-25.	0.6	3
15	Effect of orientation of elliptic tube on the total melting time of latent thermal energy storage systems. Journal of Thermal Engineering, 0, , 1479-1488.	1.6	2
16	STUDY OF HEAT TRANSFER DURING SOLIDIFICATION OF PHASE CHANGE MATERIAL INSIDE CAPSULES. , 2008, , .		2
17	Numerical Investigation of Nanofluids Mixed Convection in a Vertical Channel. Mathematical Modelling of Engineering Problems, 2019, 6, 575-580.	0.5	2
18	Thermodynamic Analysis of Hydrogen Production by a Thermochemical Cycle Based on Magnesium-Chlorine. International Journal of Heat and Technology, 2021, 39, 521-530.	0.6	1

#	ARTICLE	IF	CITATIONS
19	DOUBLE DIFFUSIVE NATURAL CONVECTION IN BINARY MIXTURE UNDER THE EFFECT OF EXTERNAL MAGNETIC FIELD: STEADY AND OSCILLATORY STATE. International Journal of Heat and Technology, 2015, 33, 11-18.	0.6	1
20	Numerical study of thermal behavior of different cavity section incorporates a phase change material. Modelling, Measurement and Control C: Energetics, Chemistry, Earth, Environmental and Biomedical Problems, 2018, 79, 40-45.	0.1	0
21	Numerical Study of N-Eicosane Melting Inside a Horizontal Cylinder for Different Loading Rates. International Journal of Heat and Technology, 2020, 38, 125-130.	0.6	0
22	Investigation of the airfoils and blade geometry effects on the performance of hydrokinetic turbines. , 2021, , .		0