

Sina Lohrasbi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12
papers

692
citations

10
h-index

12
g-index

12
ext. papers

940
ext. citations

6
avg, IF

4.89
L-index

#	Paper	IF	Citations
12	Accelerated melting of PCM in energy storage systems via novel configuration of fins in the triplex-tube heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 124, 663-676	4.9	133
11	Simultaneous energy storage and recovery in the triplex-tube heat exchanger with PCM, copper fins and Al ₂ O ₃ nanoparticles. <i>Energy Conversion and Management</i> , 2019 , 180, 949-961	10.6	118
10	Hybrid heat transfer enhancement for latent-heat thermal energy storage systems: A review. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 137, 630-649	4.9	115
9	Numerical analysis of discharging process acceleration in LHTESS by immersing innovative fin configuration using finite element method. <i>Applied Thermal Engineering</i> , 2016 , 107, 154-166	5.8	90
8	Performance enhancement of finned heat pipe assisted latent heat thermal energy storage system in the presence of nano-enhanced H ₂ O as phase change material. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 6526-6546	6.7	55
7	Thermal penetration depth enhancement in latent heat thermal energy storage system in the presence of heat pipe based on both charging and discharging processes. <i>Energy Conversion and Management</i> , 2017 , 148, 646-667	10.6	52
6	Discharging process expedition of NEPCM in fin-assisted Latent Heat Thermal Energy Storage System. <i>Journal of Molecular Liquids</i> , 2016 , 221, 833-841	6	38
5	Multi-objective RSM optimization of fin assisted latent heat thermal energy storage system based on solidification process of phase change Material in presence of copper nanoparticles. <i>Applied Thermal Engineering</i> , 2017 , 118, 430-447	5.8	34
4	Response surface method optimization of innovative fin structure for expediting discharging process in latent heat thermal energy storage system containing nano-enhanced phase change material. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 67, 115-125	5.3	29
3	Response surface method optimization of V-shaped fin assisted latent heat thermal energy storage system during discharging process. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 2065-2076	6.1	14
2	A Comprehensive Review on the Core Thermal Management Improvement Concepts in Power Electronics. <i>IEEE Access</i> , 2020 , 8, 166880-166906	3.5	8
1	Thermal energy absorption in a heat sink with elliptical cross section and tangential impinging inlet flow of nanofluid. <i>Experimental Thermal and Fluid Science</i> , 2017 , 89, 50-61	3	6