

# Sina Lohrasbi

## List of Publications by Year in Descending Order

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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	A Comprehensive Review on the Core Thermal Management Improvement Concepts in Power Electronics. <i>IEEE Access</i> , <b>2020</b> , 8, 166880-166906	3.5	8
11	Hybrid heat transfer enhancement for latent-heat thermal energy storage systems: A review. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 137, 630-649	4.9	115
10	Simultaneous energy storage and recovery in the triplex-tube heat exchanger with PCM, copper fins and Al <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Energy Conversion and Management</i> , <b>2019</b> , 180, 949-961	10.6	118
9	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> , <b>2018</b> , 124, 663-676	4.9	133
8	Performance enhancement of finned heat pipe assisted latent heat thermal energy storage system in the presence of nano-enhanced H <sub>2</sub> O as phase change material. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 6526-6546	6.7	55
7	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> , <b>2017</b> , 118, 430-447	5.8	34
6	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> , <b>2017</b> , 148, 646-667	10.6	52
5	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> , <b>2017</b> , 89, 50-61	3	6
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> , <b>2016</b> , 67, 115-125	5.3	29
3	Discharging process expedition of NEPCM in fin-assisted Latent Heat Thermal Energy Storage System. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 221, 833-841	6	38
2	Numerical analysis of discharging process acceleration in LHTESS by immersing innovative fin configuration using finite element method. <i>Applied Thermal Engineering</i> , <b>2016</b> , 107, 154-166	5.8	90
1	Response surface method optimization of V-shaped fin assisted latent heat thermal energy storage system during discharging process. <i>AEJ - Alexandria Engineering Journal</i> , <b>2016</b> , 55, 2065-2076	6.1	14