

# Sina Lohrasbi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2231219/publications.pdf>

Version: 2024-02-01

12  
papers

1,154  
citations

840585

11  
h-index

1199470

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

626  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid heat transfer enhancement for latent-heat thermal energy storage systems: A review. International Journal of Heat and Mass Transfer, 2019, 137, 630-649.	2.5	224
2	Accelerated melting of PCM in energy storage systems via novel configuration of fins in the triplex-tube heat exchanger. International Journal of Heat and Mass Transfer, 2018, 124, 663-676.	2.5	214
3	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. Energy Conversion and Management, 2019, 180, 949-961.	4.4	205
4	Numerical analysis of discharging process acceleration in LHTESS by immersing innovative fin configuration using finite element method. Applied Thermal Engineering, 2016, 107, 154-166.	3.0	134
5	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. International Journal of Hydrogen Energy, 2017, 42, 6526-6546.	3.8	70
6	Discharging process expedition of NEPCM in fin-assisted Latent Heat Thermal Energy Storage System. Journal of Molecular Liquids, 2016, 221, 833-841.	2.3	69
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. Energy Conversion and Management, 2017, 148, 646-667.	4.4	65
8	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. Applied Thermal Engineering, 2017, 118, 430-447.	3.0	53
9	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. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 115-125.	2.7	51
10	Response surface method optimization of V-shaped fin assisted latent heat thermal energy storage system during discharging process. AEJ - Alexandria Engineering Journal, 2016, 55, 2065-2076.	3.4	32
11	A Comprehensive Review on the Core Thermal Management Improvement Concepts in Power Electronics. IEEE Access, 2020, 8, 166880-166906.	2.6	30
12	Thermal energy absorption in a heat sink with elliptical cross section and tangential impinging inlet flow of nanofluid. Experimental Thermal and Fluid Science, 2017, 89, 50-61.	1.5	7