

# Morteza Ghanbarpour

## List of Publications by Year in descending order

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32  
papers

1,429  
citations

361296  
20  
h-index

477173  
29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat pipe air-cooled thermal management system for lithium-ion batteries: High power applications. Applied Thermal Engineering, 2021, 183, 116240.	3.0	75
2	Energy, Exergy, and Environmental (3E) Analysis of Hydrocarbons as Low GWP Alternatives to R134a in Vapor Compression Refrigeration Configurations. Applied Sciences (Switzerland), 2021, 11, 6226.	1.3	8
3	Theoretical Global Warming Impact Evaluation of Medium and High Temperature Heat Pumps Using Low GWP Refrigerants. Applied Sciences (Switzerland), 2021, 11, 7123.	1.3	3
4	Enhancement of the Thermal Energy Storage Using Heat-Pipe-Assisted Phase Change Material. Energies, 2021, 14, 6176.	1.6	28
5	Evaluation of heat sink performance using PCM and vapor chamber/heat pipe. Renewable Energy, 2021, 163, 698-719.	4.3	35
6	ANN Modeling to Analyze the R404A Replacement with the Low GWP Alternative R449A in an Indirect Supermarket Refrigeration System. Applied Sciences (Switzerland), 2021, 11, 11333.	1.3	6
7	Experimental study of the subcooled flow boiling heat transfer of magnetic nanofluid in a vertical tube under magnetic field. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2805-2816.	2.0	9
8	Thermal management analysis using heat pipe in the high current discharging of lithium-ion battery in electric vehicles. Journal of Energy Storage, 2020, 32, 101893.	3.9	109
9	A new concept of thermal management system in Li-ion battery using air cooling and heat pipe for electric vehicles. Applied Thermal Engineering, 2020, 174, 115280.	3.0	182
10	Cooling performance study of a novel heat exchanger in an absorption system. Energy Conversion and Management, 2019, 180, 1001-1012.	4.4	3
11	Experimental investigation of the flow and heat transfer of magnetic nanofluid in a vertical tube in the presence of magnetic quadrupole field. Experimental Thermal and Fluid Science, 2018, 91, 155-165.	1.5	50
12	Evaluation of a novel solar driven sorption cooling/heating system integrated with PCM storage compartment. Energy, 2018, 164, 449-464.	4.5	49
13	The effect of particle size and base liquid on thermo-physical properties of ethylene and diethylene glycol based copper micro- and nanofluids. International Communications in Heat and Mass Transfer, 2017, 86, 143-149.	2.9	20
14	Investigation of PCM-assisted heat pipe for electronic cooling. Applied Thermal Engineering, 2017, 127, 1132-1142.	3.0	145
15	An investigation of thermal performance improvement of a cylindrical heat pipe using Al <sub>2</sub> O <sub>3</sub> nanofluid. Heat and Mass Transfer, 2017, 53, 973-983.	1.2	32
16	A hybrid cooling system for telecommunication base stations. , 2016, , .		2
17	Experimental investigation on thermophysical properties of ethylene glycol based copper micro- and nanofluids for heat transfer applications. Materials Research Society Symposia Proceedings, 2015, 1779, 69-74.	0.1	0
18	Thermal performance of inclined screen mesh heat pipes using silver nanofluids. International Communications in Heat and Mass Transfer, 2015, 67, 14-20.	2.9	54

#	ARTICLE	IF	CITATIONS
19	Improvement of heat transfer characteristics of cylindrical heat pipe by using SiC nanofluids. Applied Thermal Engineering, 2015, 90, 127-135.	3.0	68
20	Entropy generation analysis of cylindrical heat pipe using nanofluid. Thermochemica Acta, 2015, 610, 37-46.	1.2	40
21	Thermal performance of screen mesh heat pipe with Al <sub>2</sub> O <sub>3</sub> nanofluid. Experimental Thermal and Fluid Science, 2015, 66, 213-220.	1.5	52
22	Combined effect of physical properties and convective heat transfer coefficient of nanofluids on their cooling efficiency. International Communications in Heat and Mass Transfer, 2015, 68, 32-42.	2.9	20
23	Thermal properties and rheological behavior of water based Al <sub>2</sub> O <sub>3</sub> nanofluid as a heat transfer fluid. Experimental Thermal and Fluid Science, 2014, 53, 227-235.	1.5	143
24	The effect of nanoparticles on laminar heat transfer in a horizontal tube. International Journal of Heat and Mass Transfer, 2014, 69, 77-91.	2.5	61
25	Fabrication, Characterization and Thermophysical Property Evaluation of SiC Nanofluids for Heat Transfer Applications. Nano-Micro Letters, 2014, 6, 178-189.	14.4	55
26	Experimental investigation on thermo-physical properties of copper/diethylene glycol nanofluids fabricated via microwave-assisted route. Applied Thermal Engineering, 2014, 65, 158-165.	3.0	69
27	Experimental study on convective heat transfer of nanofluids in turbulent flow: Methods of comparison of their performance. Experimental Thermal and Fluid Science, 2014, 57, 378-387.	1.5	30
28	Fabrication, Characterization and Thermo-physical Property Evaluation of SiC Nanofluids for Heat Transfer Applications. Nano-Micro Letters, 2014, 6, 178.	14.4	2
29	Thermal and rheological properties of micro- and nanofluids of copper in diethylene glycol " as heat exchange liquid. Materials Research Society Symposia Proceedings, 2013, 1543, 165-170.	0.1	2
30	Design and Evaluation of Carbon Nanotube Based Nanofluids for Heat Transfer Applications. Materials Research Society Symposia Proceedings, 2013, 1543, 143-148.	0.1	0
31	Numerical heat transfer studies of a latent heat storage system containing nano-enhanced phase change material. Thermal Science, 2011, 15, 169-181.	0.5	70
32	Solution of Temperature Distribution in a Radiating Fin Using Homotopy Perturbation Method. Mathematical Problems in Engineering, 2009, 2009, 1-8.	0.6	7