

# Morteza Ghanbarpour

## List of Publications by Year in descending order

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32  
papers

1,429  
citations

361413

20  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1121  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new concept of thermal management system in Li-ion battery using air cooling and heat pipe for electric vehicles. <i>Applied Thermal Engineering</i> , 2020, 174, 115280.	6.0	182
2	Investigation of PCM-assisted heat pipe for electronic cooling. <i>Applied Thermal Engineering</i> , 2017, 127, 1132-1142.	6.0	145
3	Thermal properties and rheological behavior of water based Al <sub>2</sub> O <sub>3</sub> nanofluid as a heat transfer fluid. <i>Experimental Thermal and Fluid Science</i> , 2014, 53, 227-235.	2.7	143
4	Thermal management analysis using heat pipe in the high current discharging of lithium-ion battery in electric vehicles. <i>Journal of Energy Storage</i> , 2020, 32, 101893.	8.1	109
5	Heat pipe air-cooled thermal management system for lithium-ion batteries: High power applications. <i>Applied Thermal Engineering</i> , 2021, 183, 116240.	6.0	75
6	Numerical heat transfer studies of a latent heat storage system containing nano-enhanced phase change material. <i>Thermal Science</i> , 2011, 15, 169-181.	1.1	70
7	Experimental investigation on thermo-physical properties of copper/diethylene glycol nanofluids fabricated via microwave-assisted route. <i>Applied Thermal Engineering</i> , 2014, 65, 158-165.	6.0	69
8	Improvement of heat transfer characteristics of cylindrical heat pipe by using SiC nanofluids. <i>Applied Thermal Engineering</i> , 2015, 90, 127-135.	6.0	68
9	The effect of nanoparticles on laminar heat transfer in a horizontal tube. <i>International Journal of Heat and Mass Transfer</i> , 2014, 69, 77-91.	4.8	61
10	Fabrication, Characterization and Thermophysical Property Evaluation of SiC Nanofluids for Heat Transfer Applications. <i>Nano-Micro Letters</i> , 2014, 6, 178-189.	27.0	55
11	Thermal performance of inclined screen mesh heat pipes using silver nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2015, 67, 14-20.	5.6	54
12	Thermal performance of screen mesh heat pipe with Al <sub>2</sub> O <sub>3</sub> nanofluid. <i>Experimental Thermal and Fluid Science</i> , 2015, 66, 213-220.	2.7	52
13	Experimental investigation of the flow and heat transfer of magnetic nanofluid in a vertical tube in the presence of magnetic quadrupole field. <i>Experimental Thermal and Fluid Science</i> , 2018, 91, 155-165.	2.7	50
14	Evaluation of a novel solar driven sorption cooling/heating system integrated with PCM storage compartment. <i>Energy</i> , 2018, 164, 449-464.	8.8	49
15	Entropy generation analysis of cylindrical heat pipe using nanofluid. <i>Thermochimica Acta</i> , 2015, 610, 37-46.	2.7	40
16	Evaluation of heat sink performance using PCM and vapor chamber/heat pipe. <i>Renewable Energy</i> , 2021, 163, 698-719.	8.9	35
17	An investigation of thermal performance improvement of a cylindrical heat pipe using Al <sub>2</sub> O <sub>3</sub> nanofluid. <i>Heat and Mass Transfer</i> , 2017, 53, 973-983.	2.1	32
18	Experimental study on convective heat transfer of nanofluids in turbulent flow: Methods of comparison of their performance. <i>Experimental Thermal and Fluid Science</i> , 2014, 57, 378-387.	2.7	30

#	ARTICLE	IF	CITATIONS
19	Enhancement of the Thermal Energy Storage Using Heat-Pipe-Assisted Phase Change Material. <i>Energies</i> , 2021, 14, 6176.	3.1	28
20	Combined effect of physical properties and convective heat transfer coefficient of nanofluids on their cooling efficiency. <i>International Communications in Heat and Mass Transfer</i> , 2015, 68, 32-42.	5.6	20
21	The effect of particle size and base liquid on thermo-physical properties of ethylene and diethylene glycol based copper micro- and nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017, 86, 143-149.	5.6	20
22	Experimental study of the subcooled flow boiling heat transfer of magnetic nanofluid in a vertical tube under magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2805-2816.	3.6	9
23	Energy, Exergy, and Environmental (3E) Analysis of Hydrocarbons as Low GWP Alternatives to R134a in Vapor Compression Refrigeration Configurations. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6226.	2.5	8
24	Solution of Temperature Distribution in a Radiating Fin Using Homotopy Perturbation Method. <i>Mathematical Problems in Engineering</i> , 2009, 2009, 1-8.	1.1	7
25	ANN Modeling to Analyze the R404A Replacement with the Low GWP Alternative R449A in an Indirect Supermarket Refrigeration System. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11333.	2.5	6
26	Cooling performance study of a novel heat exchanger in an absorption system. <i>Energy Conversion and Management</i> , 2019, 180, 1001-1012.	9.2	3
27	Theoretical Global Warming Impact Evaluation of Medium and High Temperature Heat Pumps Using Low GWP Refrigerants. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7123.	2.5	3
28	Thermal and rheological properties of micro- and nanofluids of copper in diethylene glycol as heat exchange liquid. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1543, 165-170.	0.1	2
29	A hybrid cooling system for telecommunication base stations. , 2016, , .		2
30	Fabrication, Characterization and Thermo-physical Property Evaluation of SiC Nanofluids for Heat Transfer Applications. <i>Nano-Micro Letters</i> , 2014, 6, 178.	27.0	2
31	Design and Evaluation of Carbon Nanotube Based Nanofluids for Heat Transfer Applications. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1543, 143-148.	0.1	0
32	Experimental investigation on thermophysical properties of ethylene glycol based copper micro- and nanofluids for heat transfer applications. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1779, 69-74.	0.1	0