

# Hossain Nemati

## 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.

29  
papers

178  
citations

9  
h-index

12  
g-index

33  
ext. papers

257  
ext. citations

3  
avg, IF

3.98  
L-index

#	Paper	IF	Citations
29	Shape optimisation of wavy mini-channel heat sink. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 122, 105172	5.8	8
28	Heat sink evolutionary optimization by natural construction method. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2021</b> , 80, 168-183	2.3	0
27	A mathematical model to investigate heat transfer in footwear during walking and jogging. <i>Journal of Thermal Biology</i> , <b>2021</b> , 97, 102778	2.9	2
26	Comparison of six gas turbine power cycle, a key to improve power plants. <i>Mechanics and Industry</i> , <b>2021</b> , 22, 8	0.8	1
25	Analytical and numerical analysis of phase change material solidification in partially filled capsules considering breathing vent. <i>Journal of Energy Storage</i> , <b>2021</b> , 40, 102725	7.8	2
24	Particle number balance approach for simulation of a multi-chamber fluidized bed urea granulator; Modeling and validation. <i>Powder Technology</i> , <b>2020</b> , 369, 96-105	5.2	5
23	OPTIMIZATION OF THE LOUVER FIN-AND-TUBE HEAT EXCHANGERS-A PARAMETRIC APPROACH. <i>Journal of Enhanced Heat Transfer</i> , <b>2020</b> , 27, 289-312	1.7	5
22	Shape optimisation of air-cooled finned-tube heat exchangers. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 150, 106233	4.1	21
21	Natural convection heat transfer from horizontal annular finned tubes based on modified Rayleigh Number. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 110, 104370	5.8	9
20	Heat transfer enhancement of wavy fin-and-tube heat exchangers via innovative compound designs. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 149, 106211	4.1	12
19	Natural convection heat transfer over horizontal annular elliptical finned tubes. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 118, 104823	5.8	3
18	Heat transfer simulation of annular elliptical fin-and-tube heat exchanger by transition SST model. <i>Journal of Central South University</i> , <b>2020</b> , 27, 2324-2337	2.1	3
17	Parametric study of natural convection over horizontal annular finned tube. <i>Journal of Central South University</i> , <b>2019</b> , 26, 2077-2087	2.1	4
16	Numerical investigation of deflagration to detonation transition in closed ducts under various working conditions. <i>Acta Astronautica</i> , <b>2019</b> , 162, 109-120	2.9	13
15	Energy and exergy comparison of three similar combined power cycles. <i>Mechanics and Industry</i> , <b>2019</b> , 20, 504	0.8	1
14	Numerical investigation of a low speed reacting flow behavior in a porous duct. <i>Aerospace Science and Technology</i> , <b>2019</b> , 93, 105304	4.9	4
13	Developed correlations for heat transfer and flow friction characteristics of louvered finned tube heat exchangers. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 129, 135-144	4.1	27

12	Compound Heat Transfer Enhancement of Wavy Fin-and-Tube Heat Exchangers through Boundary Layer Restarting and Swirled Flow. <i>Energies</i> , <b>2018</b> , 11, 1959	3.1	15
11	A General Equation Based on Entropy Generation Minimization to Optimize Plate Fin Heat Sink. <i>Engineering Journal</i> , <b>2018</b> , 22, 159-174	1.8	5
10	Numerical Study of Flow Over Annular Elliptical Finned Tube Heat Exchangers. <i>Arabian Journal for Science and Engineering</i> , <b>2016</b> , 41, 4625-4634		5
9	Performance optimization of annular elliptical fin based on thermo-geometric parameters. <i>AEJ - Alexandria Engineering Journal</i> , <b>2015</b> , 54, 1037-1042	6.1	11
8	Simple Correlation to Evaluate Efficiency of Annular Elliptical Fin Circumscribing Circular Tube. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 9181-9186		10
7	Exergy analysis of Unglazed Transpired Solar Collectors (UTCs). <i>Solar Energy</i> , <b>2014</b> , 107, 272-277	6.8	9
6	IN SILICO MODELING OF TUMOR GROWTH. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2013</b> , 13, 1350069		6
5	Exergy optimization of domestic solar cylindrical-parabolic cooker. <i>Journal of Renewable and Sustainable Energy</i> , <b>2012</b> , 4, 063134	2.5	1
4	Is there any similarity between tumour growth and thermal expansion?. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2012</b> , 226, 192-201	1.3	1
3	Mathematical modeling of porous combustion under various working conditions. <i>Chemical Engineering Communications</i> , 1-13	2.2	
2	Comprehensive studies on suitable reaction mechanisms to predict the behavior of high speed reacting flows. <i>Chemical Engineering Communications</i> , 1-12	2.2	1
1	Optimization of Horizontal Annular Finned Tube Under Natural Convection Heat Transfer. <i>Heat Transfer Engineering</i> , 1-13	1.7	