

M J Hosseini

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.

39
papers

1,648
citations

24
h-index

40
g-index

40
ext. papers

2,076
ext. citations

4.8
avg, IF

5.29
L-index

#	Paper	IF	Citations
39	Melting process investigation of phase change materials in a shell and tube heat exchanger enhanced with heat pipe. <i>Renewable Energy</i> , 2019 , 138, 378-394	8.1	33
38	Nano-enhancement of phase change material in a shell and multi-PCM-tube heat exchanger. <i>Journal of Energy Storage</i> , 2019 , 22, 88-97	7.8	44
37	Investigation of phase change in a spiral-fin heat exchanger. <i>Applied Mathematical Modelling</i> , 2019 , 67, 297-314	4.5	34
36	Effect of helical diameter on the performance of shell and helical tube heat exchanger: An experimental approach. <i>Sustainable Cities and Society</i> , 2019 , 44, 691-701	10.1	19
35	Investigation of PCM charging for the energy saving of domestic hot water system. <i>Applied Thermal Engineering</i> , 2018 , 137, 659-668	5.8	31
34	Phase change in spiral coil heat storage systems. <i>Sustainable Cities and Society</i> , 2018 , 38, 145-157	10.1	21
33	Numerical simulation of melting between two elliptical cylinders. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 577-586	6.1	18
32	Improvement of longitudinal fins configuration in latent heat storage systems. <i>Renewable Energy</i> , 2018 , 116, 447-457	8.1	52
31	Inner pipe downward movement effect on melting of PCM in a double pipe heat exchanger. <i>Applied Mathematics and Computation</i> , 2018 , 316, 30-42	2.7	21
30	Thermal and hydrodynamic characteristics of water-based suspensions of Al ₂ O ₃ nanoparticles in a novel minichannel heat sink. <i>Journal of Molecular Liquids</i> , 2017 , 230, 550-556	6	32
29	Experimental and numerical investigation of circular minichannel heat sinks with various hydraulic diameter for electronic cooling application. <i>Microelectronics Reliability</i> , 2017 , 73, 97-105	1.2	42
28	Numerical study on effect of CuO-water nanofluid on cooling performance of two different cross-sectional heat sinks. <i>Advanced Powder Technology</i> , 2017 , 28, 1495-1504	4.6	27
27	Forced convective heat transfer of nanofluid as a coolant flowing through a heat sink: Experimental and numerical study. <i>Journal of Molecular Liquids</i> , 2017 , 248, 264-270	6	23
26	Thermodynamic analysis of a packed bed latent heat thermal storage system simulated by an effective packed bed model. <i>Energy</i> , 2017 , 140, 861-878	7.9	25
25	Numerical study on the convective heat transfer of nanofluid in a triangular minichannel heat sink using the Eulerian-Eulerian two-phase model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 72, 185-196	2.3	16
24	Experimental investigation of phase change in a cavity for varying heat flux and inclination angles. <i>Experimental Thermal and Fluid Science</i> , 2017 , 88, 594-607	3	28
23	Effect of nanoparticle dispersion and inclination angle on melting of PCM in a shell and tube heat exchanger. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 316-334	5.3	41

22	Experimental evaluation of cooling performance of circular heat sinks for heat dissipation from electronic chips using nanofluid. <i>Mechanics Research Communications</i> , 2017 , 84, 85-89	2.2	39
21	Effect of inclination angle on the performance of a shell and tube heat storage unit [An experimental study]. <i>Applied Thermal Engineering</i> , 2017 , 112, 1497-1509	5.8	64
20	Phase change in multi-tube heat exchangers. <i>Renewable Energy</i> , 2016 , 85, 1017-1025	8.1	105
19	Analysis of the effect of eccentricity and operational parameters in PCM-filled single-pass shell and tube heat exchangers. <i>Renewable Energy</i> , 2016 , 97, 344-357	8.1	63
18	Numerical study on geometrical specifications and operational parameters of multi-tube heat storage systems. <i>Applied Thermal Engineering</i> , 2016 , 109, 351-363	5.8	41
17	A numerical method for PCM-based pin fin heat sinks optimization. <i>Energy Conversion and Management</i> , 2015 , 103, 542-552	10.6	143
16	Experimental and numerical evaluation of longitudinally finned latent heat thermal storage systems. <i>Energy and Buildings</i> , 2015 , 99, 263-272	7	116
15	A parametric investigation of a PCM-based pin fin heat sink. <i>Mechanical Sciences</i> , 2015 , 6, 65-73	1.3	31
14	Thermal analysis of PCM containing heat exchanger enhanced with normal annular fines. <i>Mechanical Sciences</i> , 2015 , 6, 221-234	1.3	35
13	Experimental and computational evolution of a shell and tube heat exchanger as a PCM thermal storage system. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 50, 128-136	5.8	152
12	Analysis of geometrical and operational parameters of PCM in a fin and tube heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 53, 109-115	5.8	73
11	Experimental Investigation of Phase Change inside a Finned-Tube Heat Exchanger. <i>Journal of Engineering (United States)</i> , 2014 , 2014, 1-11	1.5	20
10	Melting of Nanoprticle-Enhanced Phase Change Material inside Shell and Tube Heat Exchanger. <i>Journal of Engineering (United States)</i> , 2013 , 2013, 1-8	1.5	17
9	A combined experimental and computational study on the melting behavior of a medium temperature phase change storage material inside shell and tube heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1416-1424	5.8	142
8	Natural convection of nanoparticle-water mixture near its density inversion in a rectangular enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 131-137	5.8	24
7	Application of the DTM to Nonlinear Cases Arising in Fluid Flows with Variable Viscosity. <i>Acta Physica Polonica A</i> , 2012 , 122, 96-102	0.6	1
6	Differential Transformation Method for Temperature Distribution in a Radiating Fin. <i>Heat Transfer Research</i> , 2011 , 42, 403-414	3.9	2
5	Heat Transfer Enhancement in Pulsating Flows through Parallel Bluff Plates. <i>Journal of Enhanced Heat Transfer</i> , 2010 , 17, 169-182	1.7	2

4	Solution of Temperature Distribution in a Radiating Fin Using Homotopy Perturbation Method. <i>Mathematical Problems in Engineering</i> , 2009 , 2009, 1-8	1.1	5
3	Some nonlinear heat transfer equations solved by three approximate methods. <i>International Communications in Heat and Mass Transfer</i> , 2007 , 34, 1003-1016	5.8	46
2	Hef's variational iteration method for solving a semi-linear inverse parabolic equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 370, 275-280	2.3	17
1	Application of Homotopy Perturbation Method in Nonlinear Heat Diffusion-Convection-Reaction Equations. <i>Open Mechanics Journal</i> , 2007 , 1, 20-25		3