

M J Hosseini

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9003471/m-j-hosseini-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
38	A numerical method for PCM-based pin fin heat sinks optimization. <i>Energy Conversion and Management</i> , 2015 , 103, 542-552	10.6	143
37	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
36	Experimental and numerical evaluation of longitudinally finned latent heat thermal storage systems. <i>Energy and Buildings</i> , 2015 , 99, 263-272	7	116
35	Phase change in multi-tube heat exchangers. <i>Renewable Energy</i> , 2016 , 85, 1017-1025	8.1	105
34	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
33	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
32	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
31	Improvement of longitudinal fins configuration in latent heat storage systems. <i>Renewable Energy</i> , 2018 , 116, 447-457	8.1	52
30	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
29	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
28	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
27	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
26	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
25	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
24	Thermal analysis of PCM containing heat exchanger enhanced with normal annular fines. <i>Mechanical Sciences</i> , 2015 , 6, 221-234	1.3	35
23	Investigation of phase change in a spiral-fin heat exchanger. <i>Applied Mathematical Modelling</i> , 2019 , 67, 297-314	4.5	34

22	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
21	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
20	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
19	A parametric investigation of a PCM-based pin fin heat sink. <i>Mechanical Sciences</i> , 2015 , 6, 65-73	1.3	31
18	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
17	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
16	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
15	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
14	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
13	Phase change in spiral coil heat storage systems. <i>Sustainable Cities and Society</i> , 2018 , 38, 145-157	10.1	21
12	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
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	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
9	Numerical simulation of melting between two elliptical cylinders. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 577-586	6.1	18
8	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
7	Hefs 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
6	Numerical study on the convective heat transfer of nanofluid in a triangular minichannel heat sink using the EulerianEulerian two-phase model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 72, 185-196	2.3	16
5	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

4	Application of Homotopy Perturbation Method in Nonlinear Heat Diffusion-Convection-Reaction Equations. <i>Open Mechanics Journal</i> , 2007 , 1, 20-25		3
3	Differential Transformation Method for Temperature Distribution in a Radiating Fin. <i>Heat Transfer Research</i> , 2011 , 42, 403-414	3.9	2
2	Heat Transfer Enhancement in Pulsating Flows through Parallel Bluff Plates. <i>Journal of Enhanced Heat Transfer</i> , 2010 , 17, 169-182	1.7	2
1	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