

agatay Yildiz

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.

22
papers

295
citations

9
h-index

17
g-index

26
ext. papers

531
ext. citations

5.4
avg, IF

4.49
L-index

#	Paper	IF	Citations
22	Effect of nanoparticle shape on cooling performance of boehmite-alumina nanofluid in a helical heat sink for laminar and turbulent flow regimes. <i>International Journal of Mechanical Sciences</i> , 2022 , 217, 107045	5.5	5
21	Entropy generation characteristics of phase change material in a variable wavy walled triplex tube latent heat storage unit for battery thermal management system. <i>Journal of Energy Storage</i> , 2022 , 51, 104374	7.8	0
20	Evaluation of entropy generation characteristics of boehmite-alumina nanofluid with different shapes of nanoparticles in a helical heat sink. <i>International Journal of Mechanical Sciences</i> , 2022 , 107338	5.5	1
19	Hybrid thermal performance enhancement of shell and tube latent heat thermal energy storage using nano-additives and metal foam. <i>Journal of Energy Storage</i> , 2021 , 44, 103347	7.8	5
18	Performance enhancement of latent heat storage systems by using extended surfaces and porous materials: A state-of-the-art review. <i>Journal of Energy Storage</i> , 2021 , 44, 103340	7.8	11
17	Implications of boundary conditions on natural convective heat transfer of molten phase change material inside enclosures. <i>International Journal of Energy Research</i> , 2021 , 45, 7631-7650	4.5	2
16	Effect of Magnetic Field and Nanoparticle Concentration on Melting of Cu-Ice in a Rectangular Cavity under Fluctuating Temperatures. <i>Journal of Energy Storage</i> , 2021 , 36, 102421	7.8	9
15	Thermoeconomic analysis of a wall incorporating phase change material in a rural residence located in northeast China. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 44, 101091	4.7	5
14	Energy efficiency optimization of PCM and aerogel-filled multiple glazing windows. <i>Energy</i> , 2021 , 222, 119916	7.9	27
13	Effect of Fin Orientation on Melting Process in Horizontal Double Pipe Thermal Energy Storage Systems. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	4
12	Influence of dome shape on flow structure, natural convection and entropy generation in enclosures at different inclinations: A comparative study. <i>International Journal of Mechanical Sciences</i> , 2021 , 197, 106321	5.5	7
11	Effect of sunspace and PCM louver combination on the energy saving of rural residences: Case study in a severe cold region of China. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101126	4.7	7
10	Natural convection and entropy generation of Ag-water nanofluid in a finned horizontal annulus: A particular focus on the impact of fin numbers. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 125, 105349	5.8	10
9	Effect of heat generation and heat absorption on natural convection of Cu-water nanofluid in a wavy enclosure under magnetic field. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 120, 105024	5.8	18
8	Thermal stress investigation of glazing unit filled with paraffin in cold regions. <i>Journal of Central South University</i> , 2021 , 28, 3599-3612	2.1	0
7	Numerical investigation of natural convection behavior of molten PCM in an enclosure having rectangular and tree-like branching fins. <i>Energy</i> , 2020 , 207, 118223	7.9	45
6	Enhancement of PCM melting rate via internal fin and nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 156, 119845	4.9	52

5	Is the thermal transmittance of air-filled inclined multi-glazing windows similar to that of vertical ones?. <i>Energy and Buildings</i> , 2020 , 229, 110515	7	14
4	Influence of sunspace on energy consumption of rural residential buildings. <i>Solar Energy</i> , 2020 , 211, 3363-344	8	13
3	Natural convection of nanofluid in a U-shaped enclosure emphasizing on the effect of cold rib dimensions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 801	4-1	1
2	Effect of inclination angle on natural convection of nanofluids in a U-shaped cavity. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 5289-5294	3-3	7
1	Comparison of a theoretical and experimental thermal conductivity model on the heat transfer performance of Al ₂ O ₃ -SiO ₂ /water hybrid-nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 140, 598-605	4-9	52