

# agatay Yildiz

## List of Publications by Citations

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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	Comparison of a theoretical and experimental thermal conductivity model on the heat transfer performance of Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> /water hybrid-nanofluid. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 140, 598-605	4.9	52
21	Enhancement of PCM melting rate via internal fin and nanoparticles. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 156, 119845	4.9	52
20	Numerical investigation of natural convection behavior of molten PCM in an enclosure having rectangular and tree-like branching fins. <i>Energy</i> , <b>2020</b> , 207, 118223	7.9	45
19	Energy efficiency optimization of PCM and aerogel-filled multiple glazing windows. <i>Energy</i> , <b>2021</b> , 222, 119916	7.9	27
18	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> , <b>2021</b> , 120, 105024	5.8	18
17	Is the thermal transmittance of air-filled inclined multi-glazing windows similar to that of vertical ones?. <i>Energy and Buildings</i> , <b>2020</b> , 229, 110515	7	14
16	Influence of sunspace on energy consumption of rural residential buildings. <i>Solar Energy</i> , <b>2020</b> , 211, 336384	6.4	13
15	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> , <b>2021</b> , 44, 103340	7.8	11
14	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> , <b>2021</b> , 125, 105349	5.8	10
13	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> , <b>2021</b> , 36, 102421	7.8	9
12	Effect of inclination angle on natural convection of nanofluids in a U-shaped cavity. <i>International Journal of Environmental Science and Technology</i> , <b>2019</b> , 16, 5289-5294	3.3	7
11	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> , <b>2021</b> , 197, 106321	5.5	7
10	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> , <b>2021</b> , 45, 101126	4.7	7
9	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> , <b>2022</b> , 217, 107045	5.5	5
8	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> , <b>2021</b> , 44, 103347	7.8	5
7	Thermoeconomic analysis of a wall incorporating phase change material in a rural residence located in northeast China. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 44, 101091	4.7	5
6	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> , <b>2021</b> , 143,	2.6	4

5	Implications of boundary conditions on natural convective heat transfer of molten phase change material inside enclosures. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 7631-7650	4.5	2
4	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> , <b>2020</b> , 146, 801	4.1	1
3	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> , <b>2022</b> , 107338	5.5	1
2	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> , <b>2022</b> , 51, 104374	7.8	0
1	Thermal stress investigation of glazing unit filled with paraffin in cold regions. <i>Journal of Central South University</i> , <b>2021</b> , 28, 3599-3612	2.1	0