

Mehmet Akif Ezan

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.

49 papers	573 citations	15 h-index	23 g-index
56 ext. papers	695 ext. citations	3.5 avg, IF	4.55 L-index

#	Paper	IF	Citations
49	Thermal performance of a nanofluid-based flat plate solar collector: A transient numerical study. <i>Applied Thermal Engineering</i> , 2018 , 130, 395-407	5.8	60
48	Thermal properties of myristic acid/graphite nanoplates composite phase change materials. <i>Renewable Energy</i> , 2015 , 75, 243-248	8.1	48
47	Experimental study on charging and discharging periods of water in a latent heat storage unit. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 2205-2219	4.1	45
46	Energy and exergy analyses of an ice-on-coil thermal energy storage system. <i>Energy</i> , 2011 , 36, 6375-6386	6.9	41
45	Experimental and numerical study on charging processes of an ice-on-coil thermal energy storage system. <i>International Journal of Energy Research</i> , 2007 , 31, 158-176	4.5	34
44	Energetic and exergetic analysis and assessment of a thermal energy storage (TES) unit for building applications. <i>Energy and Buildings</i> , 2010 , 42, 1896-1901	7	30
43	Graphite nanoplates loading into eutectic mixture of Adipic acid and Sebacic acid as phase change material. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 140, 457-463	6.4	28
42	A numerical study on the usage of phase change material (PCM) to prolong compressor off period in a beverage cooler. <i>Energy Conversion and Management</i> , 2017 , 142, 95-106	10.6	27
41	Experimental and numerical investigation of natural convection in a double skin facade. <i>Applied Thermal Engineering</i> , 2016 , 106, 1225-1235	5.8	26
40	Importance of natural convection on numerical modelling of the building integrated PVP/PCM systems. <i>Solar Energy</i> , 2018 , 159, 616-627	6.8	20
39	Performance investigations on a sensible heat thermal energy storage tank with a solar collector under variable climatic conditions. <i>Applied Thermal Engineering</i> , 2020 , 164, 114423	5.8	19
38	Nanofluid figure-of-merits to assess thermal efficiency of a flat plate solar collector. <i>Energy Conversion and Management</i> , 2020 , 204, 112292	10.6	18
37	Numerical study on photovoltaic/thermal systems with extended surfaces. <i>International Journal of Energy Research</i> , 2019 , 43, 5213-5229	4.5	17
36	Development and evaluation of graphite nanoplate (GNP)-based phase change material for energy storage applications. <i>International Journal of Energy Research</i> , 2015 , 39, 696-708	4.5	17
35	Numerical investigation of transient natural convection heat transfer of freezing water in a square cavity. <i>International Journal of Heat and Fluid Flow</i> , 2016 , 61, 438-448	2.4	15
34	Heat Storage: A Unique Solution For Energy Systems. <i>Green Energy and Technology</i> , 2018 ,	0.6	14
33	Thermal analysis of airflow inside a refrigerated container. <i>International Journal of Refrigeration</i> , 2017 , 84, 76-91	3.8	13

32	Effect of siloxane treatment of jute fabric on the mechanical and thermal properties of jute/HDPE. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 1009-1016	2.9	13
31	Numerical analysis of a near-room-temperature magnetic cooling system. <i>International Journal of Refrigeration</i> , 2017 , 75, 262-275	3.8	10
30	Passive thermal management of the lithium-ion battery unit for a solar racing car. <i>International Journal of Energy Research</i> , 2019 , 43, 3681-3691	4.5	9
29	Experimental assessment of energy storage via variable speed compressor. <i>International Journal of Refrigeration</i> , 2011 , 34, 1424-1435	3.8	9
28	A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids. <i>Journal of Micromechanics and Microengineering</i> , 2020 , 30, 075012	2	8
27	A Study on the Importance of Natural Convection During Solidification in Rectangular Geometry. <i>Journal of Heat Transfer</i> , 2011 , 133,	1.8	8
26	A systematic assessment on a solar collector integrated packed-bed single/multi-layered latent heat thermal energy storage system. <i>Journal of Energy Storage</i> , 2021 , 37, 102410	7.8	6
25	Experimental investigation of a decentralized heat recovery ventilation system. <i>Journal of Building Engineering</i> , 2021 , 35, 102009	5.2	6
24	Solidification and Melting Periods of an Ice-on-Coil Latent Heat Thermal Energy Storage System. <i>Journal of Heat Transfer</i> , 2012 , 134,	1.8	4
23	Experimental investigation on heat transfer and air flow behavior of latent heat storage unit in a facade integrated ventilation system. <i>Journal of Energy Storage</i> , 2021 , 44, 103367	7.8	4
22	Numerical study on solidification process inside annulus in presence of natural convection. <i>International Journal of Exergy</i> , 2013 , 12, 423	1.2	3
21	Thermal Energy Storage Methods. <i>Green Energy and Technology</i> , 2018 , 57-84	0.6	3
20	Entropy generation analysis of multilayer PCM slabs integrated with fins. <i>International Journal of Exergy</i> , 2018 , 26, 154	1.2	3
19	A Numerical Study on Phase Change Inside a Spherical Capsule 2018 , 613-625		2
18	A heat recovery unit with phase change material for combi-boilers. <i>Energy Storage</i> , 2019 , 1, e81	2.8	2
17	Efaiyeci K, Dafeti B risindeki Isı Dönüşümünün Sayısal İncelenmesi. <i>Tekstil Ve Muhendis</i> , 2017 , 24, 94-100	0.3	2
16	The effect of phase change material incorporated building wall on the CO2 mitigation: a case study of Izmir, Turkey. <i>International Journal of Global Warming</i> , 2019 , 19, 54	0.6	2
15	Performance Assessment of a Near Room Temperature Magnetic Cooling System. <i>Energy Procedia</i> , 2017 , 107, 188-192	2.3	1

14	Implementation of enhanced thermal conductivity approach to an LHTES system with in-line spherical capsules. <i>Energy Storage</i> , 2019 , 1, e39	2.8	1
13	Passive Thermal Management of a Photovoltaic Panel: Influence of Fin Arrangements 2018 , 341-352		1
12	Flow and Heat Transfer Characteristics of an Empty Refrigerated Container 2014 , 641-652		1
11	A CFD Study on Photovoltaic Performance Investigation of a Solar Racing Car. <i>Green Energy and Technology</i> , 2020 , 509-529	0.6	1
10	Thermo-fluidic analysis of a single piezofan in longitudinal channel. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 129, 105651	5.8	0
9	System Modeling and Analysis. <i>Green Energy and Technology</i> , 2018 , 137-182	0.6	0
8	Thermal behavior of a solar-assisted latent heat thermal energy storage unit on the heating season under variable weather conditions. <i>Journal of Energy Storage</i> , 2022 , 52, 104934	7.8	0
7	Numerical Simulation of Building Wall Integrated with Phase Change Material: A Case Study of a Mediterranean City Izmir, Turkey. <i>Green Energy and Technology</i> , 2018 , 757-768	0.6	
6	Magnetic Field Distributions inside Magnetically Driven Nanofluids for Thermal Management of CPUs. <i>E3S Web of Conferences</i> , 2020 , 162, 03005	0.5	
5	Energy Storage Methods. <i>Green Energy and Technology</i> , 2018 , 35-56	0.6	
4	Fundamental Aspects of Thermodynamics and Heat Transfer. <i>Green Energy and Technology</i> , 2018 , 1-34	0.6	
3	Thermal Energy Storage Applications. <i>Green Energy and Technology</i> , 2018 , 85-135	0.6	
2	System Optimization. <i>Green Energy and Technology</i> , 2018 , 183-216	0.6	
1	System Characterization and Case Studies. <i>Green Energy and Technology</i> , 2018 , 217-334	0.6	