

# Mehmet Akif Ezan

## List of Publications by Year in descending order

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52  
papers

826  
citations

471509

17  
h-index

501196

28  
g-index

56  
all docs

56  
docs citations

56  
times ranked

816  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.1	7
2	Experimental investigation of a decentralized heat recovery ventilation system. <i>Journal of Building Engineering</i> , 2021, 35, 102009.	3.4	11
3	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.	8.1	17
4	Thermo-fluidic analysis of a single piezofan in longitudinal channel. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105651.	5.6	5
5	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.	8.1	6
6	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.	6.0	41
7	Preface to special issue on hydrogen energy technologies for mitigating global warming. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3395.	7.1	2
8	Nanofluid figure-of-merits to assess thermal efficiency of a flat plate solar collector. <i>Energy Conversion and Management</i> , 2020, 204, 112292.	9.2	28
9	Magnetic Field Distributions inside Magnetically Driven Nanofluids for Thermal Management of CPUs. <i>E3S Web of Conferences</i> , 2020, 162, 03005.	0.5	0
10	A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 075012.	2.6	19
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
12	Numerical Analysis of Magnetic Field and Heat Transfer of a Reciprocating Magnetocaloric Regenerator Using a Halbach Magnet Array. <i>Journal of Heat Transfer</i> , 2020, 142, .	2.1	0
13	A heat recovery unit with phase change material for combi-boilers. <i>Energy Storage</i> , 2019, 1, e81.	4.3	8
14	Numerical study on photovoltaic/thermal systems with extended surfaces. <i>International Journal of Energy Research</i> , 2019, 43, 5213-5229.	4.5	25
15	Implementation of enhanced thermal conductivity approach to an LHTES system with in-line spherical capsules. <i>Energy Storage</i> , 2019, 1, e39.	4.3	2
16	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	17
17	The effect of phase change material incorporated building wall on the CO <sub>2</sub> mitigation: a case study of Izmir, Turkey. <i>International Journal of Global Warming</i> , 2019, 19, 54.	0.5	7
18	The effect of phase change material incorporated building wall on the CO <sub>2</sub> mitigation: a case study of Izmir, Turkey. <i>International Journal of Global Warming</i> , 2019, 19, 54.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Thermal performance of a nanofluid-based flat plate solar collector: A transient numerical study. Applied Thermal Engineering, 2018, 130, 395-407.	6.0	86
20	Importance of natural convection on numerical modelling of the building integrated PVP/PCM systems. Solar Energy, 2018, 159, 616-627.	6.1	26
21	Energy Storage Methods. Green Energy and Technology, 2018, , 35-56.	0.6	0
22	System Modeling and Analysis. Green Energy and Technology, 2018, , 137-182.	0.6	2
23	Thermal Energy Storage Methods. Green Energy and Technology, 2018, , 57-84.	0.6	5
24	Thermal Energy Storage Applications. Green Energy and Technology, 2018, , 85-135.	0.6	0
25	System Characterization and Case Studies. Green Energy and Technology, 2018, , 217-334.	0.6	0
26	Entropy generation analysis of multilayer PCM slabs integrated with fins. International Journal of Exergy, 2018, 26, 154.	0.4	7
27	Numerical Simulation of Building Wall Integrated with Phase Change Material: A Case Study of a Mediterranean City Izmir, Turkey. Green Energy and Technology, 2018, , 757-768.	0.6	0
28	Passive Thermal Management of a Photovoltaic Panel: Influence of Fin Arrangements. , 2018, , 341-352.		1
29	A Numerical Study on Phase Change Inside a Spherical Capsule. , 2018, , 613-625.		2
30	Heat Storage: A Unique Solution For Energy Systems. Green Energy and Technology, 2018, , .	0.6	24
31	Entropy generation analysis of multilayer PCM slabs integrated with fins. International Journal of Exergy, 2018, 26, 154.	0.4	1
32	Performance Assessment of a Near Room Temperature Magnetic Cooling System. Energy Procedia, 2017, 107, 188-192.	1.8	2
33	A numerical study on the usage of phase change material (PCM) to prolong compressor off period in a beverage cooler. Energy Conversion and Management, 2017, 142, 95-106.	9.2	46
34	Numerical analysis of a near-room-temperature magnetic cooling system. International Journal of Refrigeration, 2017, 75, 262-275.	3.4	13
35	Thermal analysis of airflow inside a refrigerated container. International Journal of Refrigeration, 2017, 84, 76-91.	3.4	22
36	Ä°tfaiyeci KÄ±yafeti Ä°Åserisindeki IsÄ±l DÄ¼zenlemenin SayÄ±sal Ä°ncelenmesi. Tekstil Ve Muhendis, 2017, 24, 94-100.		2

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37	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	19
38	Experimental and numerical investigation of natural convection in a double skin facade. <i>Applied Thermal Engineering</i> , 2016, 106, 1225-1235.	6.0	27
39	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	19
40	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.	6.2	40
41	Thermal properties of myristic acid/graphite nanoplates composite phase change materials. <i>Renewable Energy</i> , 2015, 75, 243-248.	8.9	56
42	Numerical study on solidification process inside annulus in presence of natural convection. <i>International Journal of Exergy</i> , 2013, 12, 423.	0.4	4
43	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.	3.1	15
44	Solidification and Melting Periods of an Ice-on-Coil Latent Heat Thermal Energy Storage System. <i>Journal of Heat Transfer</i> , 2012, 134, .	2.1	5
45	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.	4.9	61
46	Energy and exergy analyses of an ice-on-coil thermal energy storage system. <i>Energy</i> , 2011, 36, 6375-6386.	8.8	50
47	Experimental assessment of energy storage via variable speed compressor. <i>International Journal of Refrigeration</i> , 2011, 34, 1424-1435.	3.4	12
48	A Study on the Importance of Natural Convection During Solidification in Rectangular Geometry. <i>Journal of Heat Transfer</i> , 2011, 133, .	2.1	11
49	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.	6.7	31
50	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	36
51	Heat Transfer Correlations for Refrigerated Containers. , 0, , .		1
52	Performance assessment of a phase change charging mode in a vertical thermal energy storage system. <i>International Journal of Energy Research</i> , 0, , .	4.5	1