Mehmet Akif Ezan

List of Publications by Year in Descending Order

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 behavior of a solar-assisted latent heat thermal energy storage unit on the heating season under variable weather conditions. *Journal of Energy Storage*, **2022**, 52, 104934	7.8	0
48	Thermo-fluidic analysis of a single piezofan in longitudinal channel. *International Communications in Heat and Mass Transfer*, **2021**, 129, 105651	5.8	0
47	Experimental investigation on heat transfer and air flow behavior of latent heat storage unit in a facade integrated ventilation system. *Journal of Energy Storage*, **2021**, 44, 103367	7.8	4
46	A systematic assessment on a solar collector integrated packed-bed single/multi-layered latent heat thermal energy storage system. *Journal of Energy Storage*, **2021**, 37, 102410	7.8	6
45	Experimental investigation of a decentralized heat recovery ventilation system. *Journal of Building Engineering*, **2021**, 35, 102009	5.2	6
44	A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids. *Journal of Micromechanics and Microengineering*, **2020**, 30, 075012	2	8
43	A CFD Study on Photovoltaic Performance Investigation of a Solar Racing Car. *Green Energy and Technology*, **2020**, 509-529	0.6	1
42	Nanofluid figure-of-merits to assess thermal efficiency of a flat plate solar collector. *Energy Conversion and Management*, **2020**, 204, 112292	10.6	18
41	Magnetic Field Distributions inside Magnetically Driven Nanofluids for Thermal Management of CPUs. *E3S Web of Conferences*, **2020**, 162, 03005	0.5	
40	Performance investigations on a sensible heat thermal energy storage tank with a solar collector under variable climatic conditions. *Applied Thermal Engineering*, **2020**, 164, 114423	5.8	19
39	Numerical study on photovoltaic/thermal systems with extended surfaces. *International Journal of Energy Research*, **2019**, 43, 5213-5229	4.5	17
38	Implementation of enhanced thermal conductivity approach to an LHTES system with in-line spherical capsules. *Energy Storage*, **2019**, 1, e39	2.8	1
37	Passive thermal management of the lithium-ion battery unit for a solar racing car. *International Journal of Energy Research*, **2019**, 43, 3681-3691	4.5	9
36	A heat recovery unit with phase change material for combi-boilers. *Energy Storage*, **2019**, 1, e81	2.8	2
35	The effect of phase change material incorporated building wall on the CO2 mitigation: a case study of Izmir, Turkey. *International Journal of Global Warming*, **2019**, 19, 54	0.6	2
34	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	
33	Passive Thermal Management of a Photovoltaic Panel: Influence of Fin Arrangements **2018**, 341-352		1

32	A Numerical Study on Phase□Change Inside a Spherical Capsule **2018**, 613-625		2
31	Heat Storage: A Unique Solution For Energy Systems. *Green Energy and Technology*, **2018**,	0.6	14
30	Thermal performance of a nanofluid-based flat plate solar collector: A transient numerical study. *Applied Thermal Engineering*, **2018**, 130, 395-407	5.8	60
29	Importance of natural convection on numerical modelling of the building integrated PVP/PCM systems. *Solar Energy*, **2018**, 159, 616-627	6.8	20
28	Energy Storage Methods. *Green Energy and Technology*, **2018**, 35-56	0.6	
27	System Modeling and Analysis. *Green Energy and Technology*, **2018**, 137-182	0.6	0
26	Fundamental Aspects of Thermodynamics and Heat Transfer. *Green Energy and Technology*, **2018**, 1-34	0.6	
25	Thermal Energy Storage Methods. *Green Energy and Technology*, **2018**, 57-84	0.6	3
24	Thermal Energy Storage Applications. *Green Energy and Technology*, **2018**, 85-135	0.6	
23	System Optimization. *Green Energy and Technology*, **2018**, 183-216	0.6	
22	System Characterization and Case Studies. *Green Energy and Technology*, **2018**, 217-334	0.6	
21	Entropy generation analysis of multilayer PCM slabs integrated with fins. *International Journal of Exergy*, **2018**, 26, 154	1.2	3
20	Performance Assessment of a Near Room Temperature Magnetic Cooling System. *Energy Procedia*, **2017**, 107, 188-192	2.3	1
19	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	10.6	27
18	Numerical analysis of a near-room-temperature magnetic cooling system. *International Journal of Refrigeration*, **2017**, 75, 262-275	3.8	10
17	Thermal analysis of airflow inside a refrigerated container. *International Journal of Refrigeration*, **2017**, 84, 76-91	3.8	13
16	□faiyeci K□afeti □erisindeki Is□□D□enlemenin Say□sal □celenmesi. *Tekstil Ve Muhendis*, **2017**, 24, 94-100	0.3	2
15	Experimental and numerical investigation of natural convection in a double skin facade. *Applied Thermal Engineering*, **2016**, 106, 1225-1235	5.8	26

14	Numerical investigation of transient natural convection heat transfer of freezing water in a square cavity. *International Journal of Heat and Fluid Flow*, **2016**, 61, 438-448	2.4	15
13	Development and evaluation of graphite nanoplate (GNP)-based phase change material for energy storage applications. *International Journal of Energy Research*, **2015**, 39, 696-708	4.5	17
12	Graphite nanoplates loading into eutectic mixture of Adipic acid and Sebacic acid as phase change material. *Solar Energy Materials and Solar Cells*, **2015**, 140, 457-463	6.4	28
11	Thermal properties of myristic acid/graphite nanoplates composite phase change materials. *Renewable Energy*, **2015**, 75, 243-248	8.1	48
10	Flow and Heat Transfer Characteristics of an Empty Refrigerated Container **2014**, 641-652		1
9	Numerical study on solidification process inside annulus in presence of natural convection. *International Journal of Exergy*, **2013**, 12, 423	1.2	3
8	Effect of siloxane treatment of jute fabric on the mechanical and thermal properties of jute/HDPE. *Journal of Reinforced Plastics and Composites*, **2012**, 31, 1009-1016	2.9	13
7	Solidification and Melting Periods of an Ice-on-Coil Latent Heat Thermal Energy Storage System. *Journal of Heat Transfer*, **2012**, 134,	1.8	4
6	Experimental study on charging and discharging periods of water in a latent heat storage unit. *International Journal of Thermal Sciences*, **2011**, 50, 2205-2219	4.1	45
5	Energy and exergy analyses of an ice-on-coil thermal energy storage system. *Energy*, **2011**, 36, 6375-6386	7.9	41
4	Experimental assessment of energy storage via variable speed compressor. *International Journal of Refrigeration*, **2011**, 34, 1424-1435	3.8	9
3	A Study on the Importance of Natural Convection During Solidification in Rectangular Geometry. *Journal of Heat Transfer*, **2011**, 133,	1.8	8
2	Energetic and exergetic analysis and assessment of a thermal energy storage (TES) unit for building applications. *Energy and Buildings*, **2010**, 42, 1896-1901	7	30
1	Experimental and numerical study on charging processes of an ice-on-coil thermal energy storage system. *International Journal of Energy Research*, **2007**, 31, 158-176	4.5	34