

Mehmet Akif Ezan

List of Publications by Year in descending order

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Version: 2024-02-01

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 performance of a nanofluid-based flat plate solar collector: A transient numerical study. <i>Applied Thermal Engineering</i> , 2018, 130, 395-407.	6.0	86
2	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
3	Thermal properties of myristic acid/graphite nanoplates composite phase change materials. <i>Renewable Energy</i> , 2015, 75, 243-248.	8.9	56
4	Energy and exergy analyses of an ice-on-coil thermal energy storage system. <i>Energy</i> , 2011, 36, 6375-6386.	8.8	50
5	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.	9.2	46
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	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
8	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
9	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
10	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
11	Experimental and numerical investigation of natural convection in a double skin facade. <i>Applied Thermal Engineering</i> , 2016, 106, 1225-1235.	6.0	27
12	Importance of natural convection on numerical modelling of the building integrated PVP/PCM systems. <i>Solar Energy</i> , 2018, 159, 616-627.	6.1	26
13	Numerical study on photovoltaic/thermal systems with extended surfaces. <i>International Journal of Energy Research</i> , 2019, 43, 5213-5229.	4.5	25
14	Heat Storage: A Unique Solution For Energy Systems. <i>Green Energy and Technology</i> , 2018, , .	0.6	24
15	Thermal analysis of airflow inside a refrigerated container. <i>International Journal of Refrigeration</i> , 2017, 84, 76-91.	3.4	22
16	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
17	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
18	A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 075012.	2.6	19

#	ARTICLE	IF	CITATIONS
19	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	17
20	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.	8.1	17
21	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.	3.1	15
22	Numerical analysis of a near-room-temperature magnetic cooling system. International Journal of Refrigeration, 2017, 75, 262-275.	3.4	13
23	Experimental assessment of energy storage via variable speed compressor. International Journal of Refrigeration, 2011, 34, 1424-1435.	3.4	12
24	A Study on the Importance of Natural Convection During Solidification in Rectangular Geometry. Journal of Heat Transfer, 2011, 133, .	2.1	11
25	Experimental investigation of a decentralized heat recovery ventilation system. Journal of Building Engineering, 2021, 35, 102009.	3.4	11
26	A heat recovery unit with phase change material for combined boilers. Energy Storage, 2019, 1, e81.	4.3	8
27	Entropy generation analysis of multilayer PCM slabs integrated with fins. International Journal of Exergy, 2018, 26, 154.	0.4	7
28	The effect of phase change material incorporated building wall on the CO ₂ mitigation: a case study of Izmir, Turkey. International Journal of Global Warming, 2019, 19, 54.	0.5	7
29	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.	8.1	7
30	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.	8.1	6
31	Solidification and Melting Periods of an Ice-on-Coil Latent Heat Thermal Energy Storage System. Journal of Heat Transfer, 2012, 134, .	2.1	5
32	Thermal Energy Storage Methods. Green Energy and Technology, 2018, , 57-84.	0.6	5
33	Thermo-fluidic analysis of a single piezofan in longitudinal channel. International Communications in Heat and Mass Transfer, 2021, 129, 105651.	5.6	5
34	Numerical study on solidification process inside annulus in presence of natural convection. International Journal of Exergy, 2013, 12, 423.	0.4	4
35	Performance Assessment of a Near Room Temperature Magnetic Cooling System. Energy Procedia, 2017, 107, 188-192.	1.8	2
36	System Modeling and Analysis. Green Energy and Technology, 2018, , 137-182.	0.6	2

#	ARTICLE	IF	CITATIONS
37	A Numerical Study on Phase Change Inside a Spherical Capsule. , 2018, , 613-625.		2
38	Implementation of enhanced thermal conductivity approach to an LHTES system with in-line spherical capsules. Energy Storage, 2019, 1, e39.	4.3	2
39	Preface to special issue on hydrogen energy technologies for mitigating global warming. International Journal of Hydrogen Energy, 2020, 45, 3395.	7.1	2
40	Ötfaiyeci K±yafeti ÅSerisindeki Isı D±zenlemenin Sayısal Öncelenmesi. Tekstil Ve Muhendis, 2017, 24, 94-100.	4.1	2
41	Passive Thermal Management of a Photovoltaic Panel: Influence of Fin Arrangements. , 2018, , 341-352.		1
42	A CFD Study on Photovoltaic Performance Investigation of a Solar Racing Car. Green Energy and Technology, 2020, , 509-529.	0.6	1
43	Heat Transfer Correlations for Refrigerated Containers. , 0, , .		1
44	Entropy generation analysis of multilayer PCM slabs integrated with fins. International Journal of Exergy, 2018, 26, 154.	0.4	1
45	Performance assessment of a phase change charging mode in a vertical thermal energy storage system. International Journal of Energy Research, 0, , .	4.5	1
46	Energy Storage Methods. Green Energy and Technology, 2018, , 35-56.	0.6	0
47	Thermal Energy Storage Applications. Green Energy and Technology, 2018, , 85-135.	0.6	0
48	System Characterization and Case Studies. Green Energy and Technology, 2018, , 217-334.	0.6	0
49	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
50	Magnetic Field Distributions inside Magnetically Driven Nanofluids for Thermal Management of CPUs. E3S Web of Conferences, 2020, 162, 03005.	0.5	0
51	The effect of phase change material incorporated building wall on the CO ₂ mitigation: a case study of Izmir, Turkey. International Journal of Global Warming, 2019, 19, 54.	0.5	0
52	Numerical Analysis of Magnetic Field and Heat Transfer of a Reciprocating Magnetocaloric Regenerator Using a Halbach Magnet Array. Journal of Heat Transfer, 2020, 142, .	2.1	0