

Ali Etem GÃ¼rel

List of Publications by Year in descending order

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39
papers

1,314
citations

586496

16
h-index

406436

35
g-index

39
all docs

39
docs citations

39
times ranked

1047
citing authors

#	ARTICLE	IF	CITATIONS
1	A detailed investigation of the temperature-controlled fluidized bed solar dryer: A numerical, experimental, and modeling study. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101703.	1.7	13
2	Exergetic, economic and environmental analysis of temperature controlled solar air heater system. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100369.	2.1	7
3	Energetic, exergetic, and thermoeconomic analyses of different nanoparticles-added lubricants in a heat pump water heater. <i>Case Studies in Thermal Engineering</i> , 2022, 33, 101975.	2.8	8
4	Assessment of a novel defrost method for PV/T system assisted sustainable refrigeration system. <i>Energy Conversion and Management</i> , 2022, 267, 115943.	4.4	7
5	Prediction of daily global solar radiation using different machine learning algorithms: Evaluation and comparison. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110114.	8.2	192
6	Experimental investigation and prediction of performance and emission responses of a CI engine fuelled with different metal-oxide based nanoparticlesâ€ diesel blends using different machine learning algorithms. <i>Energy</i> , 2021, 215, 119076.	4.5	80
7	Experimental analysis of CPV/T solar dryer with nano-enhanced PCM and prediction of drying parameters using ANN and SVM algorithms. <i>Solar Energy</i> , 2021, 218, 57-67.	2.9	69
8	Performance Assessment of a Refrigeration System Charged with Different Refrigerants Using Infrared Image Processing Techniques. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 12009.	1.7	2
9	A review of stability, thermophysical properties and impact of using nanofluids on the performance of refrigeration systems. <i>International Journal of Refrigeration</i> , 2021, 129, 342-364.	1.8	63
10	A detailed analysis of CPV/T solar air heater system with thermal energy storage: A novel winter season application. <i>Journal of Building Engineering</i> , 2021, 42, 103097.	1.6	16
11	Environmental and economic assessment of a low energy consumption household refrigerator. <i>Engineering Science and Technology, an International Journal</i> , 2020, 23, 365-372.	2.0	13
12	Investigation of life cycle CO2 emissions of the polycrystalline and cadmium telluride PV panels. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100343.	1.7	17
13	Performance assessment of a V-trough photovoltaic system and prediction of power output with different machine learning algorithms. <i>Journal of Cleaner Production</i> , 2020, 268, 122269.	4.6	57
14	A New Hybrid System Design for Thermal Energy Storage. <i>Journal of Thermal Science</i> , 2020, 29, 1300-1308.	0.9	8
15	Performance assessment of a novel design concentrated photovoltaic system coupled with self-cleaning and cooling processes. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13416.	1.3	14
16	Investigating the role of fuel injection pressure change on performance characteristics of a DI-CI engine fuelled with methyl ester. <i>Fuel</i> , 2020, 271, 117634.	3.4	72
17	Assessment of machine learning, time series, response surface methodology and empirical models in prediction of global solar radiation. <i>Journal of Cleaner Production</i> , 2020, 277, 122353.	4.6	79
18	THE EFFECT OF MALFUNCTIONS IN AIR HANDLING UNITS ON ENERGY AND EXERGY EFFICIENCY. <i>Heat Transfer Research</i> , 2020, 51, 1007-1028.	0.9	8

#	ARTICLE	IF	CITATIONS
19	ENERGY, EXERGY, AND ENVIRONMENTAL (3E) ASSESSMENTS OF VARIOUS REFRIGERANTS IN THE REFRIGERATION SYSTEMS WITH INTERNAL HEAT EXCHANGER. Heat Transfer Research, 2020, 51, 1029-1041.	0.9	11
20	Performance analysis of using CuO-Methanol nanofluid in a hybrid system with concentrated air collector and vacuum tube heat pipe. Energy Conversion and Management, 2019, 199, 111936.	4.4	64
21	Determination of the heat transfer coefficient of PV panels. Energy, 2019, 175, 978-985.	4.5	21
22	Klima Santrallerinde YoÄüuÄŸan Suyun Geri KazanÄ±mÄ±n Alternatif YÄntemler. DÄzce Äeniversitesi Bilim Ve Teknoloji Dergisi, 2018, 6, 893-901.	0.2	0
23	Assessment of a solarâ€assisted infrared timber drying system. Environmental Progress and Sustainable Energy, 2017, 36, 1875-1881.	1.3	6
24	The mathematical modeling of concentrated photovoltaic module temperature. International Journal of Hydrogen Energy, 2017, 42, 19641-19653.	3.8	28
25	Exergetic assessment of a concentrated photovoltaic thermal (CPV/T) system. International Journal of Exergy, 2016, 21, 127.	0.2	16
26	Solar-assisted fluidized bed dryer integrated with a heat pump for mint leaves. Applied Thermal Engineering, 2016, 106, 899-905.	3.0	79
27	Performance analysis of a concentrated photovoltaic and thermal system. Solar Energy, 2016, 129, 217-223.	2.9	55
28	Thermodynamic analysis of PID controlled fluidised bed dryer with parabolic trough collector. International Journal of Exergy, 2015, 18, 68.	0.2	1
29	Exergetic analysis of a new design photovoltaic and thermal <sc>(PV/T)</sc> System. Environmental Progress and Sustainable Energy, 2015, 34, 1249-1253.	1.3	16
30	Testing of a Condensation-type Heat Pump System for Low-temperature Drying Applications. International Journal of Food Engineering, 2014, 10, 521-531.	0.7	13
31	The prediction of photovoltaic module temperature with artificial neural networks. Case Studies in Thermal Engineering, 2014, 3, 11-20.	2.8	70
32	Cooling of a photovoltaic module with temperature controlled solar collector. Energy and Buildings, 2014, 72, 96-101.	3.1	87
33	The artificial neural network model to estimate the photovoltaic modul efficiency for all regions of the Turkey. Energy and Buildings, 2014, 84, 258-267.	3.1	22
34	Thermodynamic analysis of PID temperature controlled heat pump system. Case Studies in Thermal Engineering, 2014, 2, 42-49.	2.8	18
35	Determination of optimum insulation thickness, energy savings, and environmental impact for different climatic regions of Turkey. Environmental Progress and Sustainable Energy, 2013, 32, 365-372.	1.3	13
36	Energy Analysis of a New Design of a Photovoltaic Cell-Assisted Solar Dryer. Drying Technology, 2013, 31, 1077-1082.	1.7	25

#	ARTICLE	IF	CITATIONS
37	Karabük ÅŞin Dış Duvar Optimum Yalıtım Kalınlığının Enerji Tasarrufu Ve Hava Kirliliğine Etkileri / The Effect Of External Wall Optimum Insulation Thickness On Energy Saving And Air Pollution For Karabük. Tarih / Tarih Ve Sanat Araştırmaları Dergisi, 2012, 1, 402.	0.2	2
38	The history of greenhouse gas emissions and relation with the nuclear energy policy for Turkey. International Journal of Ambient Energy, 0, , 1-9.	1.4	40
39	Solarmeter Design for High Solar Radiation Measurement and Experimental Validation. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	2