

Mehmet Demirtas

List of Publications by Year in descending order

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papers

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1040056

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1199594

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23
docs citations

23
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of one-axis sun tracking system. Energy Conversion and Management, 2009, 50, 2709-2718.	9.2	100
2	Performance analyses of sustainable PV/T assisted heat pump drying system. Solar Energy, 2020, 199, 657-672.	6.1	54
3	Design, Analysis and Optimization of a Hybrid Microgrid System Using HOMER Software: EskiÅŸehir Osmangazi University Example. International Journal of Renewable Energy Development, 2019, 8, 65-79.	2.4	47
4	Theoretical and experimental analyses of a single phase permanent magnet generator (PMG) with multiple cores having axial and radial directed fluxes. Energy Conversion and Management, 2014, 77, 163-172.	9.2	44
5	Sizing optimization and design of an autonomous AC microgrid for commercial loads using Harris Hawks Optimization algorithm. Energy Conversion and Management, 2021, 245, 114562.	9.2	38
6	The Hybrid Harris Hawks Optimizer-Arithmetic Optimization Algorithm: A New Hybrid Algorithm for Sizing Optimization and Design of Microgrids. IEEE Access, 2022, 10, 19254-19283.	4.2	29
7	Prediction of solar radiation using meteorological data. , 2012, , .		25
8	A data mining approach: Analyzing wind speed and insolation period data in Turkey for installations of wind and solar power plants. Energy Conversion and Management, 2013, 65, 185-197.	9.2	16
9	Low-cost and high sensitive microcontroller based data acquisition system for renewable energy sources. , 2008, , .		15
10	dSPACE based control of voltage source utility interactive inverter. , 2008, , .		13
11	Fotovoltaik Sistemlerde Maksimum GÃ¼Ã¼n NoktasÄ± Takibinde KullanÄ±lan AlgoritmalarÄ±n KÄ±smi GÃ¼lgeleme KoÅŸullarÄ± AltÄ±nda KarÅŸyÄ±laÅŸtırÄ±lmasÄ±. Journal of Polytechnic, 2021, 24, 853-865.	0.7	13
12	Design, optimisation and application of a resonant DC link inverter for solar energy systems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 1761-1776.	0.9	11
13	Effects of Aging and Environmental Factors on Performance of CdTe and CIS Thin-Film Photovoltaic Modules. Journal of Electronic Materials, 2019, 48, 6890-6900.	2.2	10
14	Design and implementation of a microcontroller-based wind energy conversion system. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1582-1595.	1.4	6
15	Energy Management of a PV Energy System and a Plugged-in Electric Vehicle Based Micro-Grid Designed for Residential Applications. , 2019, , .		6
16	A Parameter Determination System for Wind Turbines Based on Naive Bayes Classification Algorithm. , 2009, , .		5
17	Experimental and numerical assessment of PV-TvsPV by using waste aluminum as an industrial symbiosis product. Solar Energy, 2022, 234, 338-347.	6.1	4
18	ANN controlled single phase inverter for solar energy systems. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Building of W&S energy system. , 2008, , .		2
20	Modeling of meteorological parameters and improving the classification accuracy for the wind turbines. , 2012, , .		2
21	Importance of Lithium-Ion Energy Storage Systems in Balancing the Grid: Case Study in Turkey. , 2021, , .		1
22	Determining Suitability of Locations for Installation of Solar Power Station Based on Probabilistic Inference. , 2010, , .		0
23	Estimation of Energy Production by Using Probabilistic Programming Methods in Solar Power Plants: The case of Gazi Technopark. , 2019, , .		0