Orhan Kaplan

List of Publications by Year
in descending order

27 papers	314 citations	1306789 7 h-index	1588620 8 g-index
27 all docs	27 docs citations	27 times ranked	319 citing authors

#	ARTICLE	IF	CITATIONS
1	Second-order sliding mode controller design of buck converter with constant power load. International Journal of Control, 2023, 96, 1210-1226.	1.2	10
2	Design and application of wireless power transfer using Class-E inverter based on Adaptive Impedance-Matching Network. ISA Transactions, 2022, 126, 415-427.	3.1	12
3	Solâ€"gel prepared ZnO:Al thin films for heterojunction diodes. Journal of Materials Science: Materials in Electronics, 2021, 32, 7791-7800.	1.1	6
4	Power loss and voltage stability optimization with meta-heuristic algorithms in power system. Pamukkale University Journal of Engineering Sciences, 2021, 27, 199-209.	0.2	0
5	Design and Implementation of Sensorless DC Voltage Regulation for Shunt Active Power Filter Based Single Phase P-Q Theory. , 2019, , .		0
6	Artificial Neural Network Based Automatic Voltage Regulator for a Stand-Alone Synchronous Generator. , 2019, , .		5
7	Zero-current switching technique for constant voltage constant frequency sinusoidal PWM inverter. Electrical Engineering, 2018, 100, 1147-1157.	1.2	8
8	The Determination of Load Profiles and Power Consumptions of Home Appliances. Energies, 2018, 11, 607.	1.6	68
9	Simplified Model and Genetic Algorithm Based Simulated Annealing Approach for Excitation Current Estimation of Synchronous Motor. Advances in Electrical and Computer Engineering, 2018, 18, 75-84.	0.5	12
10	A novel method based on Weibull distribution for short-term wind speed prediction. International Journal of Hydrogen Energy, 2017, 42, 17793-17800.	3.8	19
11	An android based application and simulation of multiple photovoltaic panels. , 2017, , .		1
12	The analysis of wind speed potential and energy density in ankara. , 2016, , .		7
13	Fuzzy PI controlled inverter for grid interactive renewable energy systems. IET Renewable Power Generation, 2015, 9, 729-738.	1.7	96
14	ANN controlled single phase inverter for solar energy systems. , 2014, , .		3
15	Three-phase three-level inverter based shunt active power filter. , 2014, , .		2
16	A high efficient driver design for LED lighting system. , 2013, , .		6
17	Intelligent Decision Support System for Energy Investments. , 2013, , .		1
18	Country study on renewable energy sources in Turkey. , 2012, , .		7

#	Article	IF	Citations
19	Microcontroller based electrical machines training set. , 2012, , .		3
20	Analysing the efficient use of energy in a small smart grid system. , 2012, , .		5
21	MATLAB/GUI based simulation for photovoltaic systems. , 2011, , .		7
22	C#.NET and MATLAB® based simulation program for basic electrical circuits. , 2011, , .		0
23	An Intelligent Power Factor Correction Approach Based on Linear Regression and Ridge Regression Methods. , 2011, , .		6
24	Design and application of a novel zero-crossing detector circuit. , 2011, , .		15
25	A comparative study of harmonic extraction methods for single phase shunt active power filter. , 2011, , .		7
26	DC Bus Voltage Regulation of an Active Power Filter Using a Fuzzy Logic Controller. , 2010, , .		6
27	Development of an Intelligent Decision Support System for Determining the Efficiency of Shunt Active Power Filter. , 2009, , .		2