Belgin Emre Türkay

List of Publications by Year
in descending order

39 papers	486 citations	1478280 6 h-index	1125617 13 g-index
39 all docs	39 docs citations	39 times ranked	511 citing authors

#	Article	IF	Citations
1	Economic analysis of standalone and grid connected hybrid energy systems. Renewable Energy, 2011, 36, 1931-1943.	4.3	213
2	Optimal Allocation of Renewable Distributed Generations Using Heuristic Methods to Minimize Annual Energy Losses and Voltage Deviation Index. IEEE Access, 2022, 10, 21455-21474.	2.6	52
3	A novel differential evolution application to short-term electrical power generation scheduling. International Journal of Electrical Power and Energy Systems, 2011, 33, 1236-1242.	3.3	33
4	Application of a Fast Evolutionary Algorithm to Short-term Hydro-thermal Generation Scheduling. Energy Sources, Part B: Economics, Planning and Policy, 2011, 6, 395-405.	1.8	29
5	Optimal Distribution Network Design Using Genetic Algorithms. Electric Power Components and Systems, 2005, 33, 513-524.	1.0	23
6	Domestic electrical load management in smart grids and classification of residential loads. , 2018, , .		21
7	Optimal power flow solution using particle swarm optimization algorithm. , 2013, , .		14
8	IoT-Based Energy Efficiency in Smart Homes by Smart Lighting Solutions. , 2020, , .		12
9	An Economic Analysis of Grid-connected Hybrid Energy Systems. Energy Sources, Part B: Economics, Planning and Policy, 2011, 6, 228-241.	1.8	11
10	Service restoration in distribution systems using an evolutionary algorithm. , 2010, , .		9
11	Harmonic Effects of Electric Vehicles on Low Voltage Distribution Transformers and Power Grid. , 2018, , .		7
12	Estimating the Distributed Generation Unit Sizing and Its Effects on the Distribution System by Using Machine Learning Methods. Elektronika Ir Elektrotechnika, 2021, 27, 24-32.	0.4	6
13	Impact of distributed generation on radial distribution network with various load models. , 2017, , .		5
14	Smart Thermostats for Home Automation Systems and Energy Savings from Smart Thermostats. , 2018, , .		5
15	Economic Dispatch of Multi-Microgrid Systems by Using Particle Swarm Optimization. , 2021, , .		5
16	Optimal Design of Hybrid Grid-connected Microgrid with Renewable Energy and Storage in a Rural Area in Turkey by Using HOMER. , 2021, , .		5
17	Harmonic filter design and power factor correction in a cement factory. , 0, , .		4
18	A New Approach for Solving the Unit Commitment Problem by Enhanced Particle Swarm Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 73-78.	0.4	4

#	Article	IF	Citations
19	An Examination of the Effects of Distributed Generation on Distribution Systems by Load Flow Analysis. , 2018, , .		3
20	Dynamic Economic Dispatch with Valve Point Effect by Using GA and PSO Algorithm. , 2018, , .		3
21	Transient stability analysis of the transmission system considering the initial steady state results. , 2017, , .		2
22	Economic and environmental load dispach using genetic algorithm. , 2017, , .		2
23	The prediction and penetration of wind energy with storage system analysis. Energy Sources, Part B: Economics, Planning and Policy, 2017, 12, 211-215.	1.8	2
24	Comparison of lighting technologies in residential area for energy conservation. , 2017, , .		2
25	Energy Management Algorithm for Peak Demand Reduction. , 2018, , .		2
26	Short Circuit Analysis in Grid Connected with High Penetration of PV Systems. , 2019, , .		2
27	Power quality comparison of single-phase and three-phase inverter topologies for renewable energy systems. International Journal of Smart Grid and Clean Energy, 2019, , 174-183.	0.4	2
28	A comparative study on harmonic analysis and thermal performance of different types of lamps for residential building. Energy Reports, 2022, 8, 932-945.	2.5	2
29	Optimum Energy Management in Electric Vehicle Parking Lots Using Heuristic Methods. , 2022, , .		2
30	Effects of Electric Vehicles on Distribution Network, Cost Analysis and Optimization with Genetic Algorithm. , 2019, , .		1
31	Wavelet entropy and its application for flicker contribution evaluation. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 67-74.	0.8	1
32	Determination of Flicker Contribution Level by Using Proposed Index. Elektronika Ir Elektrotechnika, 2018, 24, .	0.4	1
33	Market-Clearing Price Forecasting Using Keras in Turkish Day-Ahead Electricity Market. , 2022, , .		1
34	Application of information theory in smart grid measurements. , 2016, , .		0
35	A new approach for flicker analysis using information-theory-based wavelet energy entropy. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, 961-962.	0.8	0
36	The Investigation of Economic and Technical Management Algorithms of Solar Energy Systems Based on Grid Connection. , 2018, , .		0

#	Article	IF	Citations
37	Improvement of Home Energy Awareness through the Designed Graphical User Interface. , 2018, , .		0
38	Accommodating Photovoltaics Integration Impacts on Distribution Network Protection System using Distance Relay. , 2018, , .		0
39	Energy Quality Analysis of Grid-Connected Solar Inverter Topologies. , 2019, , .		0