Engin Karatepe

List of Publications by Year
in descending order

47	2,730	236612 25	344852 36
papers	citations	h-index	g-index

47	47	47	2330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Inherent Characteristic of PV Plants in Risk-Based Stochastic Dynamic Substation Expansion Planning Under MILP Framework. IEEE Transactions on Power Systems, 2022, 37, 750-763.	4.6	3
2	Stochastic AC Transmission Expansion Planning: A Chance Constrained Distributed Slack Bus Approach With Wind Uncertainty. IEEE Access, 2022, 10, 56796-56812.	2.6	1
3	Sensorless fault detection method for photovoltaic systems through mapping the inherent characteristics of PV plant site: Simple and practical. Solar Energy, 2021, 216, 96-110.	2.9	19
4	Impact of harmonic limits on PV penetration levels in unbalanced distribution networks considering load and irradiance uncertainty. International Journal of Electrical Power and Energy Systems, 2020, 118, 105780.	3.3	43
5	Stochastic chance constrained transmission expansion decisions for different investment budgets. , 2018, , .		0
6	MILP Approach for Bilevel Transmission and Reactive Power Planning Considering Wind Curtailment. IEEE Transactions on Power Systems, 2017, 32, 652-661.	4.6	44
7	Coordinated TCSC Allocation and Network Reinforcements Planning With Wind Power. IEEE Transactions on Sustainable Energy, 2017, 8, 1694-1705.	5.9	26
8	Flexible transmission expansion and reactive power planning with wind energy considering N-1 security. , 2017, , .		2
9	Optimum allocation of FACTS devices under load uncertainty based on penalty functions with genetic algorithm. Electrical Engineering, 2017, 99, 73-84.	1.2	17
10	Influence of phasor adjustment of harmonic sources on the allowable penetration level of distributed generation. International Journal of Electrical Power and Energy Systems, 2017, 87, 1-15.	3.3	10
11	Transmission Expansion Planning for Wind Turbine Integrated Power Systems Considering Contingency. IEEE Transactions on Power Systems, 2016, 31, 1476-1485.	4.6	57
12	Comparison of single- and multiple-distributed generation concepts in terms of power loss, voltage profile, and line flows under uncertain scenarios. Renewable and Sustainable Energy Reviews, 2015, 48, 317-327.	8.2	25
13	Analysis of current and voltage indicators in grid connected PV (photovoltaic) systems working in faulty and partial shading conditions. Energy, 2015, 86, 42-50.	4.5	88
14	Multi-objective transmission expansion planning considering minimization of curtailed wind energy. International Journal of Electrical Power and Energy Systems, 2015, 65, 348-356.	3.3	31
15	Analysis of spatial fixed PV arrays configurations to maximize energy harvesting in BIPV applications. Renewable Energy, 2015, 75, 534-540.	4.3	51
16	Transmission expansion planning for wind turbine integrated power systems considering contingencies. , 2014, , .		3
17	Global MPPT Scheme for Photovoltaic String Inverters Based on Restricted Voltage Window Search Algorithm. IEEE Transactions on Industrial Electronics, 2014, 61, 3302-3312.	5.2	164
18	New procedure for fault detection in grid connected PV systems based on the evaluation of current and voltage indicators. Energy Conversion and Management, 2014, 86, 241-249.	4.4	143

#	Article	IF	Citations
19	An efficient fault diagnosis method for PV systems based on operating voltage-window. Energy Conversion and Management, 2013, 73, 350-360.	4.4	85
20	Automatic fault detection in grid connected PV systems. Solar Energy, 2013, 94, 119-127.	2.9	187
21	Voltage band based global MPPT controller for photovoltaic systems. Solar Energy, 2013, 98, 322-334.	2.9	46
22	Transmission expansion planning considering maximizing penetration level of renewable sources. , 2013, , .		4
23	Multiple-distributed generation planning under load uncertainty and different penetration levels. International Journal of Electrical Power and Energy Systems, 2013, 46, 132-144.	3.3	72
24	Optimal wind turbine sizing to minimize energy loss. International Journal of Electrical Power and Energy Systems, 2013, 53, 656-663.	3.3	50
25	Monitoring, modelling and simulation of PV systems using LabVIEW. Solar Energy, 2013, 91, 337-349.	2.9	135
26	A virtual reality study of surrounding obstacles on BIPV systems for estimation of long-term performance of partially shaded PV arrays. Renewable Energy, 2013, 60, 402-414.	4.3	28
27	Power system planning for maximizing intermittent energy sources using AC model. , 2013, , .		4
28	Simple diagnostic approach for determining of faulted PV modules in string based PV arrays. Solar Energy, 2012, 86, 3364-3377.	2.9	102
29	Performance enhancement of photovoltaic array through string and central based MPPT system under non-uniform irradiance conditions. Energy Conversion and Management, 2012, 62, 131-140.	4.4	69
30	Genetic algorithm for weight assignment in optimum planning of multiple distributed generations to minimize energy losses. , 2012, , .		4
31	Fuzzy wavelet network identification of optimum operating point of non-crystalline silicon solar cells. Computers and Mathematics With Applications, 2012, 63, 68-82.	1.4	14
32	Convergence of rule-of-thumb sizing and allocating rules of distributed generation in meshed power networks. Renewable and Sustainable Energy Reviews, 2012, 16, 582-590.	8.2	24
33	Long-term Performance Comparison of Multiple Distributed Generation Allocations Using a Clustering-based Method. Electric Power Components and Systems, 2011, 40, 195-218.	1.0	22
34	Neural network based distributed generation allocation for minimizing voltage fluctuation due to uncertainty of the output power. , 2011, , .		5
35	Electric Double Layer Capacitor (EDLC) based Mismatching Losses Reduction under Fast-Shaded Conditions of PV Modules. IEEJ Transactions on Power and Energy, 2011, 131, 390-396.	0.1	0
36	Simple and high-efficiency photovoltaic system under non-uniform operating conditions. IET Renewable Power Generation, 2010, 4, 354.	1.7	46

#	Article	IF	Citations
37	Comparison of ANN Models for Estimating Optimal Points of Crystalline Silicon Photovoltaic Modules. IEEJ Transactions on Power and Energy, 2010, 130, 661-669.	0.1	2
38	Investigation of ANN performance for tracking the optimum points of PV module under partially shaded conditions. , 2010, , .		13
39	ANN based Real-Time Estimation of Power Generation of Different PV Module Types. IEEJ Transactions on Power and Energy, 2009, 129, 783-790.	0.1	7
40	Artificial neural network-polar coordinated fuzzy controller based maximum power point tracking control under partially shaded conditions. IET Renewable Power Generation, 2009, 3, 239.	1.7	343
41	Polar coordinated fuzzy controller based real-time maximum-power point control of photovoltaic system. Renewable Energy, 2009, 34, 2597-2606.	4.3	73
42	Feasibility of Artificial Neural Network for Maximum Power Point Estimation of Non Crystalline-Si Photovoltaic Modules. , 2009, , .		7
43	Voltage based power compensation system for photovoltaic generation system under partially shaded insolation conditions. Energy Conversion and Management, 2008, 49, 2307-2316.	4.4	87
44	Power Controller Design for Photovoltaic Generation System under Partially Shaded Insolation Conditions. , 2007, , .		16
45	Development of a suitable model for characterizing photovoltaic arrays with shaded solar cells. Solar Energy, 2007, 81, 977-992.	2.9	335
46	Neural network based solar cell model. Energy Conversion and Management, 2006, 47, 1159-1178.	4.4	190
47	A new approach to fuzzy wavelet system modeling. International Journal of Approximate Reasoning, 2005, 40, 302-322.	1.9	33