Insu Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1910036/publications.pdf

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37	353	1040056	940533
papers	citations	9 h-index	16 g-index

37	37	37	288
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The case study of combined cooling heat and power and photovoltaic systems for building customers using HOMER software. Electric Power Systems Research, 2017, 143, 490-502.	3.6	40
2	Optimal distributed generation allocation for reactive power control. IET Generation, Transmission and Distribution, 2017, 11, 1549-1556.	2.5	32
3	Short-Circuit Analysis Models for Unbalanced Inverter-Based Distributed Generation Sources and Loads. IEEE Transactions on Power Systems, 2019, 34, 3515-3526.	6.5	27
4	Optimal capacity of storage systems and photovoltaic systems able to control reactive power using the sensitivity analysis method. Energy, 2018, 150, 642-652.	8.8	26
5	The effect of the volt/var control of photovoltaic systems on the time-series steady-state analysis of a distribution network. , 2015, , .		22
6	Distributed renewable PV generation in urban distribution networks. , 2011, , .		16
7	A case study on the effect of storage systems on a distribution network enhanced by high-capacity photovoltaic systems. Journal of Energy Storage, 2017, 12, 121-131.	8.1	16
8	Examination of the effect of the reactive power control of photovoltaic systems on electric power grids and the development of a voltage-regulation method that considers feeder impedance sensitivity. Electric Power Systems Research, 2020, 180, 106130.	3.6	14
9	A calculation method for the short-circuit current contribution of current-control inverter-based distributed generation sources at balanced conditions. Electric Power Systems Research, 2021, 190, 106839.	3.6	14
10	A study on power-flow and short-circuit algorithms capable of analyzing the effect of load current on fault current using the bus impedance matrix. , 2016, , .		12
11	Optimal Allocation of Large-Capacity Distributed Generation with the Volt/Var Control Capability Using Particle Swarm Optimization. Energies, 2021, 14, 3112.	3.1	11
12	Markov chain Monte Carlo and acceptanceâ€“rejection algorithms for synthesising shortâ€term variations in the generation output of the photovoltaic system. IET Renewable Power Generation, 2017, 11, 878-888.	3.1	10
13	The transient-state effect of the reactive power control of photovoltaic systems on a distribution network. International Journal of Electrical Power and Energy Systems, 2018, 99, 630-637.	5.5	10
14	The effect of load current on a three-phase fault. , 2016, , .		9
15	The Optimization of the Location and Capacity of Reactive Power Generation Units, Using a Hybrid Genetic Algorithm Incorporated by the Bus Impedance Power-Flow Calculation Method. Applied Sciences (Switzerland), 2020, 10, 1034.	2.5	9
16	Optimal distributed generation allocation on distribution networks at peak load and the analysis of the impact of volt/var control on the improvement of the voltage profile. , 2014, , .		8
17	Recent Trends in Renewable Energy Resources for Power Generation in the Republic of Korea. Resources, 2015, 4, 751-764.	3.5	8
18	Bus voltage control and optimization strategies for power flow analyses using Petri net approach. International Journal of Electrical Power and Energy Systems, 2019, 112, 353-361.	5.5	7

#	Article	IF	Citations
19	The Optimal Allocation of Distributed Generators Considering Fault Current and Levelized Cost of Energy Using the Particle Swarm Optimization Method. Energies, 2021, 14, 418.	3.1	7
20	Steadyâ€state shortâ€circuit current calculation for internally limited inverterâ€based distributed generation sources connected as current sources using the sequence method. International Transactions on Electrical Energy Systems, 2019, 29, e12125.	1.9	6
21	Machine Learning for Energy Systems Optimization. Energies, 2022, 15, 4116.	3.1	6
22	A Method of Modeling Tap-Changing Transformers for Power-Flow and Short-Circuit Analysis Studies. , 2018, , .		5
23	The Effect of Unbalanced Impedance Loads on the Short-Circuit Current. Energies, 2018, 11, 1447.	3.1	5
24	Environmentally Constrained Optimal Dispatch Method for Combined Cooling, Heating, and Power Systems Using Two-Stage Optimization. Energies, 2021, 14, 4135.	3.1	5
25	The Selection of the Most Cost-Efficient Distributed Generation Type for a Combined Cooling Heat and Power System Used for Metropolitan Residential Customers. Energies, 2021, 14, 5606.	3.1	5
26	A study on the effect of distributed generation on short-circuit current. , 2016, , .		4
27	The Energy-Efficient, Economical, and Environmental Impacts of Microturbines on Residential Customers. , 2015, , .		3
28	The transient behavior of the Volt/Var control of photovoltaic systems for solar irradiation variations. , 2016, , .		3
29	The modeling of tapâ€changing transformers and <scp>Pâ€V</scp> buses using the sensitivity impedance matrix. International Transactions on Electrical Energy Systems, 2020, 30, e12629.	1.9	3
30	A shortâ€circuit analysis algorithm capable of analyzing unbalanced loads and phase shifts through transformers using the <scp>Newtonâ€Raphson</scp> powerâ€flow calculation, sequence, and superposition methods. International Transactions on Electrical Energy Systems, 2021, 31, e12653.	1.9	2
31	A New Single-Logarithmic Approximation of Carsonâ€™s Ground-Return Impedancesâ€”Part 1. IEEE Access, 2021, 9, 103850-103861.	4.2	2
32	An approximate model for calculating threeâ€phase line series impedance using the knee point selection method. International Transactions on Electrical Energy Systems, 2021, 31, e12808.	1.9	2
33	A New Design of the Objective Function for the Optimal Allocation of Distributed Generation with Short-Circuit Currents. Journal of Electrical Engineering and Technology, 2022, 17, 1487-1497.	2.0	2
34	A case study of calculating the short-circuit current of high-capacity power electronics-based distributed energy resources and loads. , 2021, , .		1
35	A Study on Optimizing Underground Cable Maintenance and Replacement Cycles. Journal of Electrical Engineering and Technology, 0, , 1.	2.0	1
36	Dynamic Simulation of a Large Power System with High-Capacity Photovoltaic Systems Able to Control Reactive Power. , 2019, , .		0

#	Article	IF	Citations
37	The Expected Values of Self- and Mutual Impedances of Overhead Lines and Impacts of on Sags and Phase Conductor Imbalances: Part 2. IEEE Access, 2021, 9, 122274-122283.	4.2	0