Soon-Ryul Nam

List of Publications by Year
in descending order

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33 papers	1,241 citations	687363 13 h-index	477307 29 g-index
33 all docs	33 docs citations	33 times ranked	1299 citing authors

#	Article	IF	Citations
1	Power-Sharing Method of Multiple Distributed Generators Considering Control Modes and Configurations of a Microgrid. IEEE Transactions on Power Delivery, 2010, 25, 2007-2016.	4.3	263
2	Power Scheduling of Distributed Generators for Economic and Stable Operation of a Microgrid. IEEE Transactions on Smart Grid, 2013, 4, 398-405.	9.0	218
3	Fourier Transform-Based Modified Phasor Estimation Method Immune to the Effect of the DC Offsets. IEEE Transactions on Power Delivery, 2009, 24, 1104-1111.	4.3	127
4	Phasor Estimation in the Presence of DC Offset and CT Saturation. IEEE Transactions on Power Delivery, 2009, 24, 1842-1849.	4.3	119
5	Control of a ULTC Considering the Dispatch Schedule of Capacitors in a Distribution System. IEEE Transactions on Power Systems, 2007, 22, 755-761.	6.5	107
6	Value-Based Radial Distribution System Reliability Optimization. IEEE Transactions on Power Systems, 2006, 21, 941-947.	6.5	64
7	A Fault Location Algorithm Based on Circuit Analysis for Untransposed Parallel Transmission Lines. IEEE Transactions on Power Delivery, 2009, 24, 1850-1856.	4.3	57
8	An Accurate CT Saturation Classification Using a Deep Learning Approach Based on Unsupervised Feature Extraction and Supervised Fine-Tuning Strategy. Energies, 2017, 10, 1830.	3.1	35
9	Modified Dynamic Phasor Estimation Algorithm for the Transient Signals of Distributed Generators. IEEE Transactions on Smart Grid, 2013, 4, 419-424.	9.0	31
10	Real-Time Estimation of Power System Frequency Using a Three-Level Discrete Fourier Transform Method. Energies, 2015, 8, 79-93.	3.1	27
11	An analytic method for measuring accurate fundamental frequency components. IEEE Transactions on Power Delivery, 2002, 17, 405-411.	4.3	25
12	Single line-to-ground fault location based on unsynchronized phasors in automated ungrounded distribution systems. Electric Power Systems Research, 2012, 86, 151-157.	3.6	23
13	Real-Time Wavelet-Based Coordinated Control of Hybrid Energy Storage Systems for Denoising and Flattening Wind Power Output. Energies, 2014, 7, 6620-6644.	3.1	20
14	Modified Notch Filter-based Instantaneous Phasor Estimation for High-speed Distance Protection. Electrical Engineering, 2007, 89, 311-317.	2.0	11
15	Ground-fault Location Algorithm for Ungrounded Radial Distribution Systems. Electrical Engineering, 2007, 89, 503-508.	2.0	11
16	A novel method based on Prony analysis for fundamental frequency estimation in power systems. , 2013, , .		10
17	Evaluation of the Effects of Nationwide Conservation Voltage Reduction on Peak-Load Shaving Using SOMAS Data. Energies, 2013, 6, 6322-6334.	3.1	10
18	EMS-Data-Based Load Modeling to Evaluate the Effect of Conservation Voltage Reduction at a National Level. Energies, 2013, 6, 3692-3705.	3.1	9

#	Article	IF	Citations
19	A Study on Deep Neural Network-Based DC Offset Removal for Phase Estimation in Power Systems. Energies, 2019, 12, 1619.	3.1	9
20	Fault location algorithm for cross-bonded cables using the singularity of the sheath impedance matrix. Electrical Engineering, 2007, 89, 525-533.	2.0	7
21	IEC 61850-Based Centralized Protection against Single Line-To-Ground Faults in Ungrounded Distribution Systems. Energies, 2021, 14, 722.	3.1	7
22	New modified fourier algorithm to eliminate the effect of the DC offset on phasor estimation using DFT. , 2008, , .		6
23	Improved operating scheme using an IEC61850-based distance relay for transformer backup protection. , 2009, , .		6
24	Non-recursive Discrete Fourier Transform-Based Frequency Estimation of the Power System. Journal of Electrical Engineering and Technology, 2019, 14, 1505-1515.	2.0	6
25	IEC 61850-Based Centralized Busbar Differential Protection with Data Desynchronization Compensation. Energies, 2020, 13, 967.	3.1	6
26	Adaptive Phasor Estimation Algorithm Based on a Least Squares Method. Energies, 2019, 12, 1387.	3.1	5
27	A Frequency Estimation Method Based on a Revised 3-Level Discrete Fourier Transform with an Estimation Delay Reduction Technique. Energies, 2020, 13, 2256.	3.1	5
28	Bayesian Deep Neural Network to Compensate for Current Transformer Saturation. IEEE Access, 2021, 9, 154731-154739.	4.2	5
29	Deep Neural Network-Based Removal of a Decaying DC Offset in Less Than One Cycle for Digital Relaying. Energies, 2022, 15, 2644.	3.1	4
30	A Two-Stage Algorithm to Estimate the Fundamental Frequency of Asynchronously Sampled Signals in Power Systems. Energies, 2015, 8, 9282-9295.	3.1	3
31	A study on IEC 61850 based Centralized 22.9ãŽ¸ Bus Protection considering Time Synchronization Errors. Transactions of the Korean Institute of Electrical Engineers, 2019, 68, 965-971.	0.1	2
32	Current Transformer Saturation Compensation Based on Autoencoder and Deep Learning. , 2020, , .		2
33	A Method for Increasing the Operating Limit Capacity of Wind Farms Using Battery Energy Storage Systems with Rate of Change of Frequency. Energies, 2018, 11, 758.	3.1	1