

Sungyun Choi

List of Publications by Year in descending order

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683
citing authors

#	ARTICLE	IF	CITATIONS
1	Affine-arithmetic-based microgrid interval optimization considering uncertainty and battery energy storage system degradation. <i>Energy</i> , 2022, 242, 123015.	8.8	18
2	Probabilistic Stability Evaluation Based on Confidence Interval in Distribution Systems with Inverter-Based Distributed Generations. <i>Sustainability</i> , 2022, 14, 3806.	3.2	2
3	Optimal Scheduling of Battery Energy Storage Systems and Demand Response for Distribution Systems with High Penetration of Renewable Energy Sources. <i>Energies</i> , 2022, 15, 2212.	3.1	9
4	Control Strategy for Line Overload and Short Circuit Current of Networked Distribution Systems. <i>Sustainability</i> , 2022, 14, 4208.	3.2	4
5	Cloud Cover Forecast Based on Correlation Analysis on Satellite Images for Short-Term Photovoltaic Power Forecasting. <i>Sustainability</i> , 2022, 14, 4427.	3.2	9
6	Strategy for Optimal Grid Planning and System Evaluation of Networked Distribution Systems. <i>Sustainability</i> , 2022, 14, 304.	3.2	3
7	Stochastic Second-Order Conic Programming for Optimal Sizing of Distributed Generator Units and Electric Vehicle Charging Stations. <i>Sustainability</i> , 2022, 14, 4964.	3.2	3
8	Efficient and Comprehensive Evaluation Method of Temporary Overvoltage in Distribution Systems with Inverter-Based Distributed Generations. <i>Sustainability</i> , 2021, 13, 7335.	3.2	2
9	High-Frequency Modeling of a Three-Winding Power Transformer Using Sweep Frequency Response Analysis. <i>Energies</i> , 2021, 14, 4009.	3.1	11
10	Marketable value estimation of patents using ensemble learning methodology: Focusing on U.S. patents for the electricity sector. <i>PLoS ONE</i> , 2021, 16, e0257086.	2.5	2
11	A Study on the Mid-Long Term Load Forecasting Method for Power Distribution Planning. <i>Transactions of the Korean Institute of Electrical Engineers</i> , 2021, 70, 1239-1247.	0.1	0
12	Analysis of Distributed Power Generation Forecasting Model for Power Distribution Planning. <i>Transactions of the Korean Institute of Electrical Engineers</i> , 2021, 70, 1248-1262.	0.1	0
13	Fault Analysis in the Grid with Inverter-Based Distributed Generation Considering the Interconnection Transformer Topology. <i>Transactions of the Korean Institute of Electrical Engineers</i> , 2021, 70, 1274-1281.	0.1	0
14	Prosumer Energy Management Considering Contract With Consumers Under Progressive Pricing Policy. <i>IEEE Access</i> , 2020, 8, 115789-115799.	4.2	8
15	Robust and efficient WLS-based dynamic state estimation considering transformer core saturation. <i>Journal of the Franklin Institute</i> , 2020, 357, 12938-12959.	3.4	0
16	Continuation Power Flow Based Distributed Energy Resource Hosting Capacity Estimation Considering Renewable Energy Uncertainty and Stability in Distribution Systems. <i>Energies</i> , 2020, 13, 4367.	3.1	4
17	Feature-Selective Ensemble Learning-Based Long-Term Regional PV Generation Forecasting. <i>IEEE Access</i> , 2020, 8, 54620-54630.	4.2	33
18	Selecting Locations of Electric Vehicle Charging Stations Based on the Traffic Load Eliminating Method. <i>Energies</i> , 2020, 13, 1650.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Subsynchronous Oscillation and Advanced Analysis: A Review. IEEE Access, 2020, 8, 224020-224032.	4.2	28
20	Performance Criterion of Phasor Measurement Units for Distribution System State Estimation. IEEE Access, 2019, 7, 106372-106384.	4.2	16
21	Three Dimensional Formation Control to Pursue an Underwater Evader Utilizing Underwater Robots Measuring the Sound Generated From the Evader. IEEE Access, 2019, 7, 150720-150728.	4.2	5
22	Methodology for Quantifying the Economic Impact of Cyberattacks on Bulk Electric Systems. , 2019, , .		2
23	Two-Stage Computation Offloading Scheduling Algorithm for Energy-Harvesting Mobile Edge Computing. Energies, 2019, 12, 4367.	3.1	4
24	Practical Coordination Between Day-Ahead and Real-Time Optimization for Economic and Stable Operation of Distribution Systems. IEEE Transactions on Power Systems, 2018, 33, 4475-4487.	6.5	29
25	Optimal Scheduling and Operation of the ESS for Prosumer Market Environment in Grid-Connected Industrial Complex. IEEE Transactions on Industry Applications, 2018, 54, 1949-1957.	4.9	51
26	Effective Real-Time Operation and Protection Scheme of Microgrids Using Distributed Dynamic State Estimation. IEEE Transactions on Power Delivery, 2017, 32, 504-514.	4.3	62
27	Optimal scheduling and operation of the ESS for prosumer market environment in grid-connected industrial complex. , 2017, , .		11
28	Setting-less transformer protection for ensuring security and dependability. Electrical Engineering, 2016, 98, 283-297.	2.0	2
29	Autonomous state estimation based diagnostic system in smart grid. , 2013, , .		0
30	Setting-Less Protection: Feasibility Study. , 2013, , .		39
31	Symbolic integration and autonomous state estimation: Building blocks for an intelligent power grid. , 2011, , .		3
32	Smart Grid Infrastructure for Distribution Systems and Applications. , 2011, , .		11
33	Feasibility Study: Autonomous State Estimation in Distribution Systems. IEEE Transactions on Power Systems, 2011, 26, 2109-2117.	6.5	38
34	Smart Grid Technologies for Autonomous Operation and Control. IEEE Transactions on Smart Grid, 2011, 2, 1-10.	9.0	179
35	Wide area dynamic monitoring and stability controls. , 2010, , .		28
36	Autonomous state estimation for the smart grid - laboratory implementation. , 2010, , .		8