

# Sungyun Choi

## List of Publications by Year in descending order

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36  
papers

632  
citations

933447

10  
h-index

642732

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Grid Technologies for Autonomous Operation and Control. IEEE Transactions on Smart Grid, 2011, 2, 1-10.	9.0	179
2	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
3	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
4	Setting-Less Protection: Feasibility Study. , 2013, , .		39
5	Feasibility Study: Autonomous State Estimation in Distribution Systems. IEEE Transactions on Power Systems, 2011, 26, 2109-2117.	6.5	38
6	Feature-Selective Ensemble Learning-Based Long-Term Regional PV Generation Forecasting. IEEE Access, 2020, 8, 54620-54630.	4.2	33
7	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
8	Wide area dynamic monitoring and stability controls. , 2010, , .		28
9	Subsynchronous Oscillation and Advanced Analysis: A Review. IEEE Access, 2020, 8, 224020-224032.	4.2	28
10	Affine-arithmetic-based microgrid interval optimization considering uncertainty and battery energy storage system degradation. Energy, 2022, 242, 123015.	8.8	18
11	Performance Criterion of Phasor Measurement Units for Distribution System State Estimation. IEEE Access, 2019, 7, 106372-106384.	4.2	16
12	Smart Grid Infrastructure for Distribution Systems and Applications. , 2011, , .		11
13	Optimal scheduling and operation of the ESS for prosumer market environment in grid-connected industrial complex. , 2017, , .		11
14	High-Frequency Modeling of a Three-Winding Power Transformer Using Sweep Frequency Response Analysis. Energies, 2021, 14, 4009.	3.1	11
15	Optimal Scheduling of Battery Energy Storage Systems and Demand Response for Distribution Systems with High Penetration of Renewable Energy Sources. Energies, 2022, 15, 2212.	3.1	9
16	Cloud Cover Forecast Based on Correlation Analysis on Satellite Images for Short-Term Photovoltaic Power Forecasting. Sustainability, 2022, 14, 4427.	3.2	9
17	Autonomous state estimation for the smart grid - laboratory implementation. , 2010, , .		8
18	Prosumer Energy Management Considering Contract With Consumers Under Progressive Pricing Policy. IEEE Access, 2020, 8, 115789-115799.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Selecting Locations of Electric Vehicle Charging Stations Based on the Traffic Load Eliminating Method. <i>Energies</i> , 2020, 13, 1650.	3.1	7
20	Three Dimensional Formation Control to Pursue an Underwater Evader Utilizing Underwater Robots Measuring the Sound Generated From the Evader. <i>IEEE Access</i> , 2019, 7, 150720-150728.	4.2	5
21	Two-Stage Computation Offloading Scheduling Algorithm for Energy-Harvesting Mobile Edge Computing. <i>Energies</i> , 2019, 12, 4367.	3.1	4
22	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
23	Control Strategy for Line Overload and Short Circuit Current of Networked Distribution Systems. <i>Sustainability</i> , 2022, 14, 4208.	3.2	4
24	Symbolic integration and autonomous state estimation: Building blocks for an intelligent power grid. , 2011, , .		3
25	Strategy for Optimal Grid Planning and System Evaluation of Networked Distribution Systems. <i>Sustainability</i> , 2022, 14, 304.	3.2	3
26	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
27	Setting-less transformer protection for ensuring security and dependability. <i>Electrical Engineering</i> , 2016, 98, 283-297.	2.0	2
28	Methodology for Quantifying the Economic Impact of Cyberattacks on Bulk Electric Systems. , 2019, , .		2
29	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
30	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
31	Probabilistic Stability Evaluation Based on Confidence Interval in Distribution Systems with Inverter-Based Distributed Generations. <i>Sustainability</i> , 2022, 14, 3806.	3.2	2
32	Autonomous state estimation based diagnostic system in smart grid. , 2013, , .		0
33	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
34	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
35	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
36	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