

# Chul-Hwan Kim

## List of Publications by Year in descending order

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230  
papers

4,263  
citations

109321

35  
h-index

144013

57  
g-index

231  
all docs

231  
docs citations

231  
times ranked

3500  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Frequency-Control Approach by Photovoltaic Generator in a PV&#x2013;Diesel Hybrid Power System. IEEE Transactions on Energy Conversion, 2011, 26, 559-571.	5.2	230
2	A Coordinated Control Method for Leveling PV Output Power Fluctuations of PV&#x2013;Diesel Hybrid Systems Connected to Isolated Power Utility. IEEE Transactions on Energy Conversion, 2009, 24, 153-162.	5.2	183
3	Determination Method of Insolation Prediction With Fuzzy and Applying Neural Network for Long-Term Ahead PV Power Output Correction. IEEE Transactions on Sustainable Energy, 2013, 4, 527-533.	8.8	153
4	Wavelet transforms in power systems. Part 1: General introduction to the wavelet transforms. Power Engineering Journal, 2000, 14, 81-87.	0.1	145
5	Coordinated Control Algorithm for Distributed Battery Energy Storage Systems for Mitigating Voltage and Frequency Deviations. IEEE Transactions on Smart Grid, 2016, 7, 1713-1722.	9.0	140
6	Comprehensive Review of Islanding Detection Methods for Distributed Generation Systems. Energies, 2019, 12, 837.	3.1	122
7	Optimal sizing and allocation of battery energy storage systems with wind and solar power DGs in a distribution network for voltage regulation considering the lifespan of batteries. IET Renewable Power Generation, 2017, 11, 1305-1315.	3.1	119
8	Decentralised control of voltage in distribution systems by distributed generators. IET Generation, Transmission and Distribution, 2010, 4, 1251.	2.5	105
9	An alternative approach to adaptive single pole auto-reclosing in high voltage transmission systems based on variable dead time control. IEEE Transactions on Power Delivery, 2001, 16, 676-686.	4.3	93
10	A novel fault-detection technique of high-impedance arcing faults in transmission lines using the wavelet transform. IEEE Transactions on Power Delivery, 2002, 17, 921-929.	4.3	89
11	A real-time optimal coordination scheme for the voltage regulation of a distribution network including an OLTC, capacitor banks, and multiple distributed energy resources. International Journal of Electrical Power and Energy Systems, 2018, 94, 1-14.	5.5	89
12	Optimal Operation by Controllable Loads Based on Smart Grid Topology Considering Insolation Forecasted Error. IEEE Transactions on Smart Grid, 2011, 2, 438-444.	9.0	85
13	Wavelet transforms in power systems. Part 2: Examples of application to actual power system transients. Power Engineering Journal, 2001, 15, 193-202.	0.1	73
14	Optimal Voltage Control Using Inverters Interfaced With PV Systems Considering Forecast Error in a Distribution System. IEEE Transactions on Sustainable Energy, 2014, 5, 682-690.	8.8	72
15	Optimal voltage control in distribution systems using PV generators. International Journal of Electrical Power and Energy Systems, 2011, 33, 485-492.	5.5	71
16	Fault detection and location in a microgrid using mathematical morphology and recursive least square methods. International Journal of Electrical Power and Energy Systems, 2018, 102, 324-331.	5.5	68
17	A protection scheme for microgrid with multiple distributed generations using superimposed reactive energy. International Journal of Electrical Power and Energy Systems, 2017, 92, 156-166.	5.5	67
18	Optimal operation of DC smart house system by controllable loads based on smart grid topology. Renewable Energy, 2012, 39, 132-139.	8.9	65

#	ARTICLE	IF	CITATIONS
19	Application of Neural Network to One-Day-Ahead 24 hours Generating Power Forecasting for Photovoltaic System. , 2007, , .		64
20	An enhanced zone 3 algorithm of a distance relay using transient components and state diagram. IEEE Transactions on Power Delivery, 2005, 20, 39-46.	4.3	63
21	LQG Design for Megawatt-Class WECS With DFIG Based on Functional Models' Fidelity Prerequisites. IEEE Transactions on Energy Conversion, 2009, 24, 893-904.	5.2	62
22	An interval type-2 fuzzy logic based strategy for microgrid protection. International Journal of Electrical Power and Energy Systems, 2018, 98, 209-218.	5.5	54
23	Voltage Profile Enhancement and Loss Minimization Using Optimal Placement and Sizing of Distributed Generation in Reconfigured Network. Machines, 2021, 9, 20.	2.2	52
24	Passive islanding detection scheme based on autocorrelation function of modal current envelope for photovoltaic units. IET Generation, Transmission and Distribution, 2018, 12, 726-736.	2.5	51
25	Application of neural network to 24-hour-ahead generating power forecasting for PV system. , 2008, , .		49
26	Harmonicâ€signatureâ€based islanding detection in gridâ€connected distributed generation systems using Kalman filter. IET Renewable Power Generation, 2018, 12, 1813-1822.	3.1	49
27	Control strategy for a distributed DC power system with renewable energy. Renewable Energy, 2011, 36, 42-49.	8.9	48
28	New settings-free fault location algorithm based on synchronised sampling. IET Generation, Transmission and Distribution, 2011, 5, 376.	2.5	46
29	Voltage Regulation Method for Voltage Drop Compensation and Unbalance Reduction in Bipolar Low-Voltage DC Distribution System. IEEE Transactions on Power Delivery, 2018, 33, 141-149.	4.3	46
30	Optimal Smart Inverter Control for PV and BESS to Improve PV Hosting Capacity of Distribution Networks Using Slime Mould Algorithm. IEEE Access, 2021, 9, 52164-52176.	4.2	46
31	Out-of-step detection algorithm using frequency deviation of voltage. IET Generation, Transmission and Distribution, 2007, 1, 119.	2.5	43
32	Educational use of EMTP MODELS for the study of a distance relaying algorithm for protecting transmission lines. IEEE Transactions on Power Systems, 2000, 15, 9-15.	6.5	42
33	Energy Management Scheme for an EV Smart Charger V2G/G2V Application with an EV Power Allocation Technique and Voltage Regulation. Applied Sciences (Switzerland), 2018, 8, 648.	2.5	42
34	A passive islanding detection scheme using variational mode decomposition-based mode singular entropy for integrated microgrids. Electric Power Systems Research, 2019, 177, 105983.	3.6	42
35	Modified rotor-side converter control design for improving the LVRT capability of a DFIG-based WECS. Electric Power Systems Research, 2020, 186, 106403.	3.6	39
36	Convolutional Neural Networkâ€Based Intelligent Protection Strategy for Microgrids. IET Generation, Transmission and Distribution, 2020, 14, 1177-1185.	2.5	38

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37	Mitigation of voltage unbalance by using static load transfer switch in bipolar low voltage DC distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , 2017, 90, 158-167.	5.5	37
38	Robust control of a DC microgrid under parametric uncertainty and disturbances. <i>Electric Power Systems Research</i> , 2020, 179, 106074.	3.6	37
39	Robust Centralized Control for DC Islanded Microgrid Considering Communication Network Delay. <i>IEEE Access</i> , 2020, 8, 77765-77778.	4.2	36
40	Superconducting Fault Current Limiter Application for Reduction of the Transformer Inrush Current: A Decision Scheme of the Optimal Insertion Resistance. <i>IEEE Transactions on Applied Superconductivity</i> , 2010, 20, 2255-2264.	1.7	35
41	Analysis of the Neutral Current for Two-Step-Type Poles in Distribution Lines. <i>IEEE Transactions on Power Delivery</i> , 2009, 24, 1483-1489.	4.3	32
42	Fault detection scheme based on mathematical morphology in last mile radial low voltage DC distribution networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 106, 520-527.	5.5	31
43	A Comprehensive Review of Intelligent Islanding Schemes and Feature Selection Techniques for Distributed Generation System. <i>IEEE Access</i> , 2021, 9, 146603-146624.	4.2	31
44	Frequency Response Analysis of a Single-Area Power System with a Modified LFC Model Considering Demand Response and Virtual Inertia. <i>Energies</i> , 2018, 11, 787.	3.1	28
45	Modeling of Battery for EV using EMTP/ATPDraw. <i>Journal of Electrical Engineering and Technology</i> , 2014, 9, 98-105.	2.0	28
46	A Control Method for Small Utility Connected Large PV System to Reduce Frequency Deviation Using a Minimal-Order Observer. <i>IEEE Transactions on Energy Conversion</i> , 2009, 24, 520-528.	5.2	27
47	Evaluation of Voltage Sag and Unbalance due to the System Connection of Electric Vehicles on Distribution System. <i>Journal of Electrical Engineering and Technology</i> , 2014, 9, 452-460.	2.0	27
48	Development of protective schemes for hybrid AC/DC low-voltage distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 105, 521-528.	5.5	26
49	Coordination of Multiple Electric Vehicle Aggregators for Peak Shaving and Valley Filling in Distribution Feeders. <i>Energies</i> , 2021, 14, 352.	3.1	25
50	Output power control for large wind power penetration in small power system. <i>Renewable Energy</i> , 2009, 34, 2334-2343.	8.9	24
51	Photovoltaic output power fluctuations smoothing methods for single and multiple PV generators. <i>Current Applied Physics</i> , 2010, 10, S265-S270.	2.4	24
52	Unified Planning of Wind Generators and Switched Capacitor Banks: A Multiagent Clustering-Based Distributed Approach. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 6978-6988.	6.5	24
53	Intelligent Fault Classification and Location Identification Method for Microgrids Using Discrete Orthonormal Stockwell Transform-Based Optimized Multi-Kernel Extreme Learning Machine. <i>Energies</i> , 2019, 12, 4504.	3.1	24
54	A Bi-Level EV Aggregator Coordination Scheme for Load Variance Minimization with Renewable Energy Penetration Adaptability. <i>Energies</i> , 2018, 11, 2809.	3.1	23

#	ARTICLE	IF	CITATIONS
55	Planning for the Future: Optimization-Based Distribution Planning Strategies for Integrating Distributed Energy Resources. IEEE Power and Energy Magazine, 2018, 16, 77-87.	1.6	22
56	Modeling and Analysis of a Low-Voltage DC Distribution System. Resources, 2015, 4, 713-735.	3.5	21
57	An Intelligent Hybrid Energy Management System for a Smart House Considering Bidirectional Power Flow and Various EV Charging Techniques. Applied Sciences (Switzerland), 2019, 9, 1658.	2.5	21
58	Water-filling algorithm based approach for management of responsive residential loads. Journal of Modern Power Systems and Clean Energy, 2018, 6, 118-131.	5.4	20
59	Decentralized voltage control in distribution system using neural network. , 2008, , .		19
60	Frequency and voltage control of small power systems by decentralized controllable loads. , 2009, , .		19
61	A Load Flow Analysis for AC/DC Hybrid Distribution Network Incorporated with Distributed Energy Resources for Different Grid Scenarios. Energies, 2018, 11, 367.	3.1	19
62	Wind-Speed Estimation and Sensorless Control for SPMSG-Based WECS Using LMI-Based SMC. IEEE Access, 2020, 8, 26524-26535.	4.2	18
63	Quench and Recovery Characteristics of a SFCL Applied Into Neutral Line of a Three-Phase Power System. IEEE Transactions on Applied Superconductivity, 2009, 19, 1835-1838.	1.7	16
64	A Novel Reclosing Algorithm Considering Turbine-Generator Shaft Torque. IEEE Transactions on Power Delivery, 2017, 32, 703-712.	4.3	16
65	Algorithm for Fault Detection and Classification Using Wavelet Singular Value Decomposition for Wide-Area Protection. Journal of Electrical Engineering and Technology, 2015, 10, 729-739.	2.0	16
66	Output-feedback based robust controller for uncertain DC islanded microgrid. Transactions of the Institute of Measurement and Control, 2020, 42, 1239-1251.	1.7	15
67	An Adaptive Autoreclosure Scheme with Reference to Transient Stability for Transmission Lines. Journal of Electrical Engineering and Technology, 2015, 10, 795-803.	2.0	15
68	Protection of DERs. , 2016, , 157-192.		14
69	Optimal Scheduling of Hybrid Energy Resources for a Smart Home. Energies, 2018, 11, 3201.	3.1	14
70	An intelligent islanding detection of distribution networks with synchronous machine DG using ensemble learning and canonical methods. IET Generation, Transmission and Distribution, 2021, 15, 3242-3255.	2.5	14
71	Optimal coordinated voltage control in distribution system. , 2008, , .		13
72	Optimal operation of smart grid in isolated island. , 2010, , .		13

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73	Development of Adaptive Reclosing Scheme Using Wavelet Transform of Neutral Line Current in Distribution System. <i>Electric Power Components and Systems</i> , 2016, 44, 426-433.	1.8	13
74	Fault area estimation using traveling wave for wide area protection. <i>Journal of Modern Power Systems and Clean Energy</i> , 2016, 4, 478-486.	5.4	13
75	A Novel Fault-Location Algorithm for AC Parallel Autotransformer Feeding System. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 475-485.	4.3	13
76	A Comprehensive Review of Auto-Reclosing Schemes in AC, DC, and Hybrid (AC/DC) Transmission Lines. <i>IEEE Access</i> , 2021, 9, 74325-74342.	4.2	13
77	Decentralized voltage control in distribution systems by controlling reactive power of inverters. , 2009, , .		12
78	Parameter Identification of Wind Turbine for Maximum Power-point Tracking Control. <i>Electric Power Components and Systems</i> , 2010, 38, 603-614.	1.8	12
79	Detection of high-impedance fault in low-voltage DC distribution system via mathematical morphology. <i>Journal of International Council on Electrical Engineering</i> , 2016, 6, 194-201.	0.4	12
80	Microgrid Protection Strategy Based on the Autocorrelation of Current Envelopes Using the Squaring and Low-Pass Filtering Method. <i>Energies</i> , 2020, 13, 2350.	3.1	12
81	Development of Fault Detector for Series Arc Fault in Low Voltage DC Distribution System using Wavelet Singular Value Decomposition and State Diagram. <i>Journal of Electrical Engineering and Technology</i> , 2015, 10, 766-776.	2.0	12
82	Full operational regimes for SPMSG-based WECS using generation of active current references. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 112, 428-441.	5.5	11
83	An Islanding Detection Method for Multi-RES Systems Using the Graph Search Method. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 2722-2731.	8.8	11
84	A new control methodology of wind farm using short-term ahead wind speed prediction for load frequency control of power system. , 2008, , .		10
85	Optimal Operation Strategy with using BESS and DGs in Distribution System. <i>Journal of International Council on Electrical Engineering</i> , 2012, 2, 20-27.	0.4	10
86	Protection Scheme of a Last Mile Active LVDC Distribution Network with Reclosing Option. <i>Energies</i> , 2018, 11, 1093.	3.1	10
87	Development of fault section identification technique for low voltage DC distribution systems by using capacitive discharge current. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018, 6, 509-520.	5.4	10
88	Sensitivity and stability analysis of power system frequency response considering demand response and virtual inertia. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 986-996.	2.5	10
89	A Comparative Study on Frequency Estimation Methods. <i>Journal of Electrical Engineering and Technology</i> , 2013, 8, 70-79.	2.0	10
90	Output Power Coordination Control for Wind Farm in Small Power System. , 2007, , .		9

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91	Study on optimum operation planning of wind farm/battery system using forecasted power data. , 2009, , .		9
92	A hybrid smart AC/DC power system. , 2010, , .		9
93	Analysis of Magnitude and Rate-of-rise of VFTO in 550 kV GIS using EMTP-RV. Journal of Electrical Engineering and Technology, 2013, 8, 11-19.	2.0	9
94	Output power dispatch control for a wind farm in a small power system. Wind Energy, 2010, 13, 671-684.	4.2	8
95	A Fuzzy-Logic Based Output Power Smoothing Method of WECS with Permanent Magnet Synchronous Generator using Inertia of Wind Turbine. Journal of International Council on Electrical Engineering, 2011, 1, 309-316.	0.4	8
96	Improvement of the transient stability using SFCL in Korean power systems. Physica C: Superconductivity and Its Applications, 2013, 494, 335-338.	1.2	8
97	Analysis of Efficiency for AC and DC Load in LVDC Distribution System. , 2014, , .		8
98	Recent Trends in Renewable Energy Resources for Power Generation in the Republic of Korea. Resources, 2015, 4, 751-764.	3.5	8
99	Development of an Adaptive Underexcitation Limiter in Excitation System. IEEE Transactions on Power Delivery, 2018, 33, 2135-2142.	4.3	8
100	Impacts of Responsive Loads and Energy Storage System on Frequency Response of a Multi-Machine Power System. Machines, 2019, 7, 34.	2.2	8
101	An Improved Partial Shading Detection Strategy Based on Chimp Optimization Algorithm to Find Global Maximum Power Point of Solar Array System. Energies, 2022, 15, 1549.	3.1	8
102	A frequency control approach by decentralized generators and loads in power systems. , 2008, , .		7
103	Optimal control of voltage in distribution systems by voltage reference management. , 2008, , .		7
104	A distributed DC power system in an isolated island. , 2009, , .		7
105	Optimal operation strategy by battery energy storage systems in distribution system. , 2010, , .		7
106	Output power smoothing of PMSG-based wind energy conversion system. , 2010, , .		7
107	Islanding Detection Scheme for Inverter-Based Distributed Generation Systems Using Cumulative Reactive Power Harmonics. Journal of Electrical Engineering and Technology, 2019, 14, 1907-1917.	2.0	7
108	Study on Advanced Frequency Estimation Technique using Gain Compensation. Journal of Electrical Engineering and Technology, 2011, 6, 439-446.	2.0	7

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109	Optimal control of distribution voltage profile by considering the number of operation of the distribution installations. , 2008, , .		6
110	A fuzzy based control method for isolated power utility connected PV-diesel hybrid system to reduce frequency deviation. , 2008, , .		6
111	Modelling-based approach for digital control design for nonlinear WECS in the power system. Wind Energy, 2010, 13, 543-557.	4.2	6
112	Optimum operation planning of controllable loads in smart house. , 2011, , .		6
113	Development of Power System Transient Analysis Program based on Traveling Wave Theory using MATLAB. IFAC-PapersOnLine, 2016, 49, 230-234.	0.9	6
114	Demand power with EV charging schemes considering actual data. Journal of International Council on Electrical Engineering, 2016, 6, 235-241.	0.4	6
115	A High-Speed Fault Detection, Identification, and Isolation Method for a Last Mile Radial LVDC Distribution Network. Energies, 2018, 11, 2901.	3.1	6
116	An Optimized Framework for Energy Management of Multi-Microgrid Systems. Energies, 2021, 14, 6012.	3.1	6
117	Protection Coordination Using Superconducting Fault Current Limiters in Microgrids. Journal of the Korean Institute of Illuminating and Electrical Installation Engineers, 2017, 31, 26-36.	0.0	6
118	Smart EVs Charging Scheme for Load Leveling Considering ToU Price and Actual Data. Journal of Electrical Engineering and Technology, 2017, 12, 1-10.	2.0	6
119	Optimal operation of controllable load and battery considering transmission constraint in smart grid. , 2010, , .		5
120	A new control methodology of wind turbine generators for frequency control of power system in isolated island. Wind Energy, 2011, 14, 407-423.	4.2	5
121	Analysis of Secondary Arc Extinction Effects according to the Application of Shunt Reactor and High Speed Grounding Switches in Transmission Systems. Journal of International Council on Electrical Engineering, 2014, 4, 324-329.	0.4	5
122	Analysis of peak shaving effect of demand power using Vehicle to Grid system in distribution system. Journal of International Council on Electrical Engineering, 2017, 7, 198-204.	0.4	5
123	Optimal capacitor bank capacity and placement in distribution systems with high distributed solar power penetration. , 2017, , .		5
124	Communication Architecture for Grid Integration of Cyber Physical Wind Energy Systems. Applied Sciences (Switzerland), 2017, 7, 1034.	2.5	5
125	Development of a Leader-End Reclosing Algorithm Considering Turbine-Generator Shaft Torque. Energies, 2017, 10, 622.	3.1	5
126	Optimal Planning of Distributed Generators for Loss Reduction and Voltage Profile Enhancement Considering the Integration of Electric Vehicles. , 2018, , .		5



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127	Modeling the Impact of Modified Inertia Coefficient (H) due to ESS in Power System Frequency Response Analysis. <i>Energies</i> , 2020, 13, 902.	3.1	5
128	Analysis of Transient Overvoltages within a 345kV Korean Thermal Plant. <i>Journal of Electrical Engineering and Technology</i> , 2012, 7, 297-303.	2.0	5
129	Single-Phase Auto-Reclosing Scheme Using Particle Filter and Convolutional Neural Network. <i>IEEE Transactions on Power Delivery</i> , 2022, 37, 4775-4785.	4.3	5
130	Development of auto-reclosing algorithm using multi agent system. , 2008, , .		4
131	Cooperative control of interfaced inverter with PV system and existing voltage control devices considering forecasted error in distribution system. , 2011, , .		4
132	Balancing control method by dispersed generators based on H $\infty$ control theory in DC power feeding system. <i>Renewable Energy</i> , 2011, 36, 163-168.	8.9	4
133	Optimal scheduling method in distribution system considering controllable loads. , 2012, , .		4
134	Thermal units commitment with demand response to optimize battery storage capacity. , 2013, , .		4
135	Optimizing Re-planning Operation for Smart House Applying Solar Radiation Forecasting. <i>Applied Sciences (Switzerland)</i> , 2014, 4, 366-379.	2.5	4
136	Reduction of Electricity Prices Using the Train to Grid (T2G) System in Urban Railway. <i>Energies</i> , 2018, 11, 501.	3.1	4
137	New protective relay modeling scheme and analysis for AC electric railway feeding systems with Scott transformer. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 123, 106226.	5.5	4
138	Adaptive Single-Pole Auto-Reclosing Scheme Based on Secondary Arc Voltage Harmonic Signatures. <i>Energies</i> , 2021, 14, 1311.	3.1	4
139	Bi-Directional Power Flow in Switchgear with Static Transfer Switch Applied at Various Renewable Energies. <i>Energies</i> , 2021, 14, 3187.	3.1	4
140	Development of a Reclosing Scheme for Reduction of Turbine Generator Shaft Torsional Torques: A Decision Method to Achieve Optimal Reactor Capacity. <i>Journal of Electrical Engineering and Technology</i> , 2014, 9, 1145-1153.	2.0	4
141	An Analysis on Fault Response Characteristics in Low Voltage DC Distribution System. <i>Transactions of the Korean Institute of Electrical Engineers</i> , 2016, 65, 911-917.	0.1	4
142	Analysis of Stability of PV System using the Eigenvalue according to the Frequency Variation and Requirements of Frequency Protection. <i>Journal of Electrical Engineering and Technology</i> , 2012, 7, 480-485.	2.0	4
143	Voice-Based Recognition System for Non-Semantics Information by Language and Gender. , 2010, , .		3
144	A frequency monitoring system development for wide-area power grid protection. <i>Cluster Computing</i> , 2013, 16, 209-217.	5.0	3

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145	Optimal operation of thermal generating units and smart houses considering transmission constraints. , 2013, , .		3
146	Optimisation strategy for an operational planning of a large photovoltaic system with enhanced electrical vehicles. International Journal of Sustainable Energy, 2015, 34, 10-22.	2.4	3
147	A Study on Application of Recloser Operation Algorithm for Mixed Transmission System Based on Travelling Wave Method. Energies, 2020, 13, 2610.	3.1	3
148	A Study on the Out-of-Step Detection Algorithm Using Time Variation of Complex Power-Part II: Out-of-Step Detection Algorithm and Simulation Results. Energies, 2020, 13, 1833.	3.1	3
149	Hosting Capacity Improvement Method Using MV- MV Solid-State-Transformer. Energies, 2021, 14, 622.	3.1	3
150	A Simulator for Calculating Normal Induced Voltage on Communication Line. Journal of Electrical Engineering and Technology, 2014, 9, 1394-1400.	2.0	3
151	A Study on Voltage Sag Considering Real-Time Traffic Volume of Electric Vehicles in South Korea. Journal of Electrical Engineering and Technology, 2015, 10, 1492-1501.	2.0	3
152	Unscented-Kalman-filter-based single-phase adaptive reclosing of shunt-compensated extra-high-voltage transmission lines. AEJ - Alexandria Engineering Journal, 2022, 61, 7759-7769.	6.4	3
153	Analysis of Induced Voltage on Pipeline Located Close to Parallel Distribution System. Energies, 2021, 14, 8536.	3.1	3
154	A minimal-order observer based coordinated control method for isolated power utility connected multiple PV systems to reduce frequency deviations. , 2008, , .		2
155	Thermal units commitment considering voltage constraint based on controllable loads reactive control in smart grid. , 2011, , .		2
156	Operational planning strategy applying demand response to large PV/battery system. , 2012, , .		2
157	Fault type classification in transmission line using STFT. , 2012, , .		2
158	Distributed Sensor Network-Based Virtual FDR System. International Journal of Distributed Sensor Networks, 2013, 9, 398480.	2.2	2
159	Adequacy assessment of time-delayed reclosing scheme for transmission system. , 2014, , .		2
160	A study on the development of AC and DC short-circuit test facility for the low-voltage protective equipment. , 2015, , .		2
161	A Study on the Development of Machine-Learning Based Load Transfer Detection Algorithm for Distribution Planning. Energies, 2020, 13, 4358.	3.1	2
162	New Prediction of the Number of Charging Electric Vehicles Using Transformation Matrix and Monte-Carlo Method. Journal of Electrical Engineering and Technology, 2017, 12, 451-458.	2.0	2

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163	Modeling of Bi-directional DC/DC Converter for Connecting DC Distribution System using EMTP. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 615-621.	0.1	2
164	The Adequacy Analysis for Installation of High Speed Grounding Switches on the Korean 765kV Single Transmission Line. Journal of Electrical Engineering and Technology, 2006, 1, 427-434.	2.0	2
165	An Analysis of Optimal Installation Condition and Maximum Power Generation of Photovoltaic Systems Applying Perez Model. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 683-689.	0.1	2
166	Modelling of Secondary Arc Using EMTP-RV. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 937-943.	0.1	2
167	Algorithm for Fault Location Estimation on Transmission Lines using Second-order Difference of a Positive Sequence Current Phasor. Journal of Electrical Engineering and Technology, 2013, 8, 499-506.	2.0	2
168	An enhanced zone 3 algorithm of a distance relay using transient components and state diagram. , 0, , .		1
169	Functional modeling for intelligent controller design for MW-class variable speed wecs with independent blade pitch regulation. , 2008, , .		1
170	Modeling and analysis of Photo-Voltaic system using EMTP. , 2009, , .		1
171	A novel reclosing algorithm considering the recovery time of a superconducting fault current limiter in a distribution system with distributed generation. , 2010, , .		1
172	Optimal operation of thermal generating units and smart houses. , 2011, , .		1
173	Comparison of operational cost in smart houses with introduction of heat pump or gas engine. , 2012, , .		1
174	Analysis of lightning overvoltage according to the location of overhead ground wire in Korea distribution system. , 2012, , .		1
175	Modeling of battery for electric vehicle using EMTP/MODELS. , 2012, , .		1
176	A Study on the Fault Characteristics of Line Fault in LVDC Distribution System. , 2014, , .		1
177	Decision of Optimal Insertion Resistance of Superconducting Fault Current Limiter for Reducing Asymmetrical Fault Current. , 2014, , .		1
178	A Scheme for Detecting DC Series Arc Faults in Low Voltage Distribution System. , 2014, , .		1
179	An Optimal Approach to Manage Responsive Residential Appliances in Smart Grid. , 2017, , .		1
180	A Study on Modeling and Verification of the Percentage Differential Relay for the Protection of AC Electric Railway Feeding System. , 2018, , .		1

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181	A Study on a Protection System for Low Voltage DC Distribution System based on Solid State Fault Current Limiter. , 2018, , .		1
182	Frequency Profile Improvement of a Microgrid through Aggregated Demand Response. , 2018, , .		1
183	A Multi-Agent Clustering-based Approach for the Distributed Planning of Wind Generators. IFAC-PapersOnLine, 2018, 51, 138-142.	0.9	1
184	An Intelligent Fault Classification Method for Microgrids Based on Discrete Orthonormal S-transform and Ensemble Classifier. , 2019, , .		1
185	Analysis of Effect on Lightning Surge according to the Grounding Condition of Overhead Ground Wire in Distribution System. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 331-337.	0.1	1
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