

Chul-Hwan Kim

List of Publications by Year in descending order

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230
papers

4,263
citations

109137

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231
docs citations

231
times ranked

3500
citing authors

#	ARTICLE	IF	CITATIONS
1	Unscented-Kalman-filter-based single-phase adaptive reclosing of shunt-compensated extra-high-voltage transmission lines. AEJ - Alexandria Engineering Journal, 2022, 61, 7759-7769.	3.4	3
2	Single-Phase Auto-Reclosing Scheme Using Particle Filter and Convolutional Neural Network. IEEE Transactions on Power Delivery, 2022, 37, 4775-4785.	2.9	5
3	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.	1.6	8
4	Coordination of Multiple Electric Vehicle Aggregators for Peak Shaving and Valley Filling in Distribution Feeders. Energies, 2021, 14, 352.	1.6	25
5	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.	2.6	46
6	Voltage Profile Enhancement and Loss Minimization Using Optimal Placement and Sizing of Distributed Generation in Reconfigured Network. Machines, 2021, 9, 20.	1.2	52
7	Adaptive Single-Pole Auto-Reclosing Scheme Based on Secondary Arc Voltage Harmonic Signatures. Energies, 2021, 14, 1311.	1.6	4
8	Bi-Directional Power Flow in Switchgear with Static Transfer Switch Applied at Various Renewable Energies. Energies, 2021, 14, 3187.	1.6	4
9	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.	1.4	14
10	An Optimized Framework for Energy Management of Multi-Microgrid Systems. Energies, 2021, 14, 6012.	1.6	6
11	Hosting Capacity Improvement Method Using MV-HV Solid-State-Transformer. Energies, 2021, 14, 622.	1.6	3
12	A Comprehensive Review of Auto-Reclosing Schemes in AC, DC, and Hybrid (AC/DC) Transmission Lines. IEEE Access, 2021, 9, 74325-74342.	2.6	13
13	A Comprehensive Review of Intelligent Islanding Schemes and Feature Selection Techniques for Distributed Generation System. IEEE Access, 2021, 9, 146603-146624.	2.6	31
14	Analysis of Induced Voltage on Pipeline Located Close to Parallel Distribution System. Energies, 2021, 14, 8536.	1.6	3
15	Robust control of a DC microgrid under parametric uncertainty and disturbances. Electric Power Systems Research, 2020, 179, 106074.	2.1	37
16	Output-feedback based robust controller for uncertain DC islanded microgrid. Transactions of the Institute of Measurement and Control, 2020, 42, 1239-1251.	1.1	15
17	A Study on an Out-of-Step Detection Algorithm Using the Time Variation of Complex Power: Part I, Mathematical Modeling. Energies, 2020, 13, 4065.	1.6	0
18	A Study on the Development of Machine-Learning Based Load Transfer Detection Algorithm for Distribution Planning. Energies, 2020, 13, 4358.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Modified rotor-side converter control design for improving the LVRT capability of a DFIG-based WECS. <i>Electric Power Systems Research</i> , 2020, 186, 106403.	2.1	39
20	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.	3.3	4
21	Microgrid Protection Strategy Based on the Autocorrelation of Current Envelopes Using the Squaring and Low-Pass Filtering Method. <i>Energies</i> , 2020, 13, 2350.	1.6	12
22	A Study on Application of Recloser Operation Algorithm for Mixed Transmission System Based on Travelling Wave Method. <i>Energies</i> , 2020, 13, 2610.	1.6	3
23	Modeling the Impact of Modified Inertia Coefficient (H) due to ESS in Power System Frequency Response Analysis. <i>Energies</i> , 2020, 13, 902.	1.6	5
24	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.	1.4	10
25	An Islanding Detection Method for Multi-RES Systems Using the Graph Search Method. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 2722-2731.	5.9	11
26	Wind-Speed Estimation and Sensorless Control for SPMSG-Based WECS Using LMI-Based SMC. <i>IEEE Access</i> , 2020, 8, 26524-26535.	2.6	18
27	Robust Centralized Control for DC Islanded Microgrid Considering Communication Network Delay. <i>IEEE Access</i> , 2020, 8, 77765-77778.	2.6	36
28	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. <i>Energies</i> , 2020, 13, 1833.	1.6	3
29	Convolutional Neural Network-Based Intelligent Protection Strategy for Microgrids. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 1177-1185.	1.4	38
30	A Study on the Adaptive Dual Setting Method of the Microgrid Protective Devices Considering FRT. <i>Transactions of the Korean Institute of Electrical Engineers</i> , 2020, 69, 657-663.	0.1	0
31	Islanding Detection Scheme for Inverter-Based Distributed Generation Systems Using Cumulative Reactive Power Harmonics. <i>Journal of Electrical Engineering and Technology</i> , 2019, 14, 1907-1917.	1.2	7
32	A passive islanding detection scheme using variational mode decomposition-based mode singular entropy for integrated microgrids. <i>Electric Power Systems Research</i> , 2019, 177, 105983.	2.1	42
33	Impacts of Responsive Loads and Energy Storage System on Frequency Response of a Multi-Machine Power System. <i>Machines</i> , 2019, 7, 34.	1.2	8
34	An Intelligent Hybrid Energy Management System for a Smart House Considering Bidirectional Power Flow and Various EV Charging Techniques. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1658.	1.3	21
35	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.	3.3	11
36	Comprehensive Review of Islanding Detection Methods for Distributed Generation Systems. <i>Energies</i> , 2019, 12, 837.	1.6	122

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37	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.	1.6	24
38	An Intelligent Fault Classification Method for Microgrids Based on Discrete Orthonormal S-transform and Ensemble Classifier. , 2019, , .		1
39	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.	3.3	26
40	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.	3.3	31
41	A Novel Fault-Location Algorithm for AC Parallel Autotransformer Feeding System. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 475-485.	2.9	13
42	New reclosing scheme of distribution system for utilization of BESS using wavelet transform. <i>Journal of Central South University</i> , 2018, 25, 78-83.	1.2	0
43	Water-filling algorithm based approach for management of responsive residential loads. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018, 6, 118-131.	3.3	20
44	Passive islanding detection scheme based on autocorrelation function of modal current envelope for photovoltaic units. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 726-736.	1.4	51
45	Voltage Regulation Method for Voltage Drop Compensation and Unbalance Reduction in Bipolar Low-Voltage DC Distribution System. <i>IEEE Transactions on Power Delivery</i> , 2018, 33, 141-149.	2.9	46
46	A real-time optimal coordination scheme for the voltage regulation of a distribution network including an OLTC, capacitor banks, and multiple distributed energy resources. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 94, 1-14.	3.3	89
47	An interval type-2 fuzzy logic based strategy for microgrid protection. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 98, 209-218.	3.3	54
48	Development of an Adaptive Underexcitation Limiter in Excitation System. <i>IEEE Transactions on Power Delivery</i> , 2018, 33, 2135-2142.	2.9	8
49	Optimal Planning of Distributed Generators for Loss Reduction and Voltage Profile Enhancement Considering the Integration of Electric Vehicles. , 2018, , .		5
50	A Study on Modeling and Verification of the Percentage Differential Relay for the Protection of AC Electric Railway Feeding System. , 2018, , .		1
51	Optimal Scheduling of Hybrid Energy Resources for a Smart Home. <i>Energies</i> , 2018, 11, 3201.	1.6	14
52	A Study on a Protection System for Low Voltage DC Distribution System based on Solid State Fault Current Limiter. , 2018, , .		1
53	Frequency Profile Improvement of a Microgrid through Aggregated Demand Response. , 2018, , .		1
54	A Multi-Agent Clustering-based Approach for the Distributed Planning of Wind Generators. <i>IFAC-PapersOnLine</i> , 2018, 51, 138-142.	0.5	1

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55	Harmonicâ€signatureâ€based islanding detection in gridâ€connected distributed generation systems using Kalman filter. IET Renewable Power Generation, 2018, 12, 1813-1822.	1.7	49
56	A High-Speed Fault Detection, Identification, and Isolation Method for a Last Mile Radial LVDC Distribution Network. Energies, 2018, 11, 2901.	1.6	6
57	Study on the estimation method of minimum ESS capacity considering frequency and voltage protection. Journal of Engineering, 2018, 2018, 1186-1189.	0.6	0
58	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
59	A Bi-Level EV Aggregator Coordination Scheme for Load Variance Minimization with Renewable Energy Penetration Adaptability. Energies, 2018, 11, 2809.	1.6	23
60	Reduction of Electricity Prices Using the Train to Grid (T2G) System in Urban Railway. Energies, 2018, 11, 501.	1.6	4
61	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.	3.3	68
62	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.	1.3	42
63	A Load Flow Analysis for AC/DC Hybrid Distribution Network Incorporated with Distributed Energy Resources for Different Grid Scenarios. Energies, 2018, 11, 367.	1.6	19
64	Frequency Response Analysis of a Single-Area Power System with a Modified LFC Model Considering Demand Response and Virtual Inertia. Energies, 2018, 11, 787.	1.6	28
65	Protection Scheme of a Last Mile Active LVDC Distribution Network with Reclosing Option. Energies, 2018, 11, 1093.	1.6	10
66	Unified Planning of Wind Generators and Switched Capacitor Banks: A Multiagent Clustering-Based Distributed Approach. IEEE Transactions on Power Systems, 2018, 33, 6978-6988.	4.6	24
67	Development of fault section identification technique for low voltage DC distribution systems by using capacitive discharge current. Journal of Modern Power Systems and Clean Energy, 2018, 6, 509-520.	3.3	10
68	A Novel Reclosing Algorithm Considering Turbine-Generator Shaft Torque. IEEE Transactions on Power Delivery, 2017, 32, 703-712.	2.9	16
69	Mitigation of voltage unbalance by using static load transfer switch in bipolar low voltage DC distribution system. International Journal of Electrical Power and Energy Systems, 2017, 90, 158-167.	3.3	37
70	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.	3.3	67
71	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
72	A study on applicability of Pronyâ€™s method to the analysis of the fault characteristics in low voltage DC distribution system. Journal of International Council on Electrical Engineering, 2017, 7, 131-136.	0.4	0

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73	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.	1.7	119
74	Optimal capacitor bank capacity and placement in distribution systems with high distributed solar power penetration. , 2017, , .		5
75	An Optimal Approach to Manage Responsive Residential Appliances in Smart Grid. , 2017, , .		1
76	Communication Architecture for Grid Integration of Cyber Physical Wind Energy Systems. Applied Sciences (Switzerland), 2017, 7, 1034.	1.3	5
77	Development of a Leader-End Reclosing Algorithm Considering Turbine-Generator Shaft Torque. Energies, 2017, 10, 622.	1.6	5
78	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
79	Smart EVs Charging Scheme for Load Leveling Considering ToU Price and Actual Data. Journal of Electrical Engineering and Technology, 2017, 12, 1-10.	1.2	6
80	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.	1.2	2
81	A Study on Optimization of Electric Power Facilities Applied Matrix System at 25.8kV GIS. Transactions of the Korean Institute of Electrical Engineers, 2017, 66, 507-512.	0.1	0
82	Protection of DERs. , 2016, , 157-192.		14
83	Detection of high-impedance fault in low-voltage DC distribution system via mathematical morphology. Journal of International Council on Electrical Engineering, 2016, 6, 194-201.	0.4	12
84	A Stochastic Analysis of Turbine Generator Shaft Torsional Torque considering Power System Load Capacity. IFAC-PapersOnLine, 2016, 49, 207-211.	0.5	0
85	Development of Adaptive Reclosing Scheme Using Wavelet Transform of Neutral Line Current in Distribution System. Electric Power Components and Systems, 2016, 44, 426-433.	1.0	13
86	Fault area estimation using traveling wave for wide area protection. Journal of Modern Power Systems and Clean Energy, 2016, 4, 478-486.	3.3	13
87	Development of Power System Transient Analysis Program based on Traveling Wave Theory using MATLAB. IFAC-PapersOnLine, 2016, 49, 230-234.	0.5	6
88	Demand power with EV charging schemes considering actual data. Journal of International Council on Electrical Engineering, 2016, 6, 235-241.	0.4	6
89	Coordinated Control Algorithm for Distributed Battery Energy Storage Systems for Mitigating Voltage and Frequency Deviations. IEEE Transactions on Smart Grid, 2016, 7, 1713-1722.	6.2	140
90	An Analysis on Fault Response Characteristics in Low Voltage DC Distribution System. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 911-917.	0.1	4

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91	Calculation Method of Modification Factors for Fault Location Algorithm Using Boosting Current of Operating Electric Train in AT Feeding System. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 504-510.	0.1	0
92	New Simulation Method of Flashover Rate by Connection of EMTP and MATLAB. Journal of Electrical Engineering and Technology, 2016, 11, 602-608.	1.2	0
93	An Adaptive Control of Smart Appliances with Peak Shaving Considering EV Penetration. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 730-737.	0.1	0
94	A Study on the Overcurrent Relay Modeling and Protective Coordination for Overload in Domestic AC Electrical Railway System. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1121-1127.	0.1	0
95	Modeling of Practical Photovoltaic Generation System using Controllable Current Source based Inverter. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1340-1346.	0.1	1
96	A Study on Protective Coordination Setting of Positive Offset Mho Loss of Field Relay. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1326-1333.	0.1	0
97	A Novel Method for Deriving Optimal Synchronism-Check Phase Angle in Transmission System. Journal of Electrical Engineering and Technology, 2016, 11, 1084-1092.	1.2	1
98	An Analysis on the Stability of the Electric Vehicles Connected Power System According to Charging Cost with Price Elasticity. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1577-1582.	0.1	0
99	A Study on EVs Smart Charging Scheme Considering Time-of-Use Price and Actual Data. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1793-1799.	0.1	0
100	Modeling and Analysis of a Low-Voltage DC Distribution System. Resources, 2015, 4, 713-735.	1.6	21
101	Recent Trends in Renewable Energy Resources for Power Generation in the Republic of Korea. Resources, 2015, 4, 751-764.	1.6	8
102	A study on the development of AC and DC short-circuit test facility for the low-voltage protective equipment. , 2015, , .		2
103	Optimisation strategy for an operational planning of a large photovoltaic system with enhanced electrical vehicles. International Journal of Sustainable Energy, 2015, 34, 10-22.	1.3	3
104	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.	1.2	16
105	Development of Fault Detector for Series Arc Fault in Low Voltage DC Distribution System using Wavelet Singular Value Decomposition and State Diagram. Journal of Electrical Engineering and Technology, 2015, 10, 766-776.	1.2	12
106	An Adaptive Autoreclosure Scheme with Reference to Transient Stability for Transmission Lines. Journal of Electrical Engineering and Technology, 2015, 10, 795-803.	1.2	15
107	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.	1.2	3
108	Realization of Torsional Response based on Multi-mass Modeling of Turbine-Generator Shaft System. Transactions of the Korean Institute of Electrical Engineers, 2015, 64, 201-207.	0.1	1

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109	Development of an Algorithm for Detecting High Impedance Fault in Low Voltage DC Distribution System using Accumulated Energy of Fault Current. Journal of the Korean Institute of Illuminating and Electrical Installation Engineers, 2015, 29, 71-79.	0.0	0
110	Development of Countermeasure for Improving the Power Quality using Coordinated Control of BESS on Electric Vehicle connected System. Journal of the Korean Institute of Illuminating and Electrical Installation Engineers, 2015, 29, 63-69.	0.0	0
111	Analysis of Turbine-Generator Shaft System Mechanical Torque Response based on Turbine Blade Modeling. Transactions of the Korean Institute of Electrical Engineers, 2015, 64, 1269-1275.	0.1	0
112	A Study on Detection of High Impedance Fault in Low Voltage DC Distribution System using Filter based on Mathematical Morphology. Journal of the Korean Institute of Illuminating and Electrical Installation Engineers, 2015, 29, 89-95.	0.0	0
113	The Analysis of Trolley-Rail Short Circuit Current in a Single Track AT Feeding System. Transactions of the Korean Institute of Electrical Engineers, 2015, 64, 1659-1665.	0.1	0
114	A Study on the Fault Characteristics of Line Fault in LVDC Distribution System. , 2014, , .		1
115	Decision of Optimal Insertion Resistance of Superconducting Fault Current Limiter for Reducing Asymmetrical Fault Current. , 2014, , .		1
116	Analysis of Fault Characteristics in LVDC Distribution System using Laplace Transform. , 2014, , .		0
117	Development of a Reclosing Scheme for Reduction of Turbine Generator Shaft Torsional Torques. , 2014, , .		0
118	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
119	Analysis of Efficiency for AC and DC Load in LVDC Distribution System. , 2014, , .		8
120	Adequacy assessment of time-delayed reclosing scheme for transmission system. , 2014, , .		2
121	A Scheme for Detecting DC Series Arc Faults in Low Voltage Distribution System. , 2014, , .		1
122	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.	5.9	72
123	Optimizing Re-planning Operation for Smart House Applying Solar Radiation Forecasting. Applied Sciences (Switzerland), 2014, 4, 366-379.	1.3	4
124	Modeling of Battery for EV using EMTP/ATPDraw. Journal of Electrical Engineering and Technology, 2014, 9, 98-105.	1.2	28
125	Evaluation of Voltage Sag and Unbalance due to the System Connection of Electric Vehicles on Distribution System. Journal of Electrical Engineering and Technology, 2014, 9, 452-460.	1.2	27
126	Development of a Reclosing Scheme for Reduction of Turbine Generator Shaft Torsional Torques: A Decision Method to Achieve Optimal Reactor Capacity. Journal of Electrical Engineering and Technology, 2014, 9, 1145-1153.	1.2	4

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127	A Simulator for Calculating Normal Induced Voltage on Communication Line. Journal of Electrical Engineering and Technology, 2014, 9, 1394-1400.	1.2	3
128	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
129	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
130	Analysis of Induced Voltage on Telecommunication Line in Parallel Distribution System. Journal of Electrical Engineering and Technology, 2014, 9, 726-732.	1.2	0
131	Analysis of Human Safety and System Effect according to Grounding Scheme in LVDC Distribution System. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 608-614.	0.1	1
132	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.	5.9	153
133	A frequency monitoring system development for wide-area power grid protection. Cluster Computing, 2013, 16, 209-217.	3.5	3
134	Thermal units commitment with demand response to optimize battery storage capacity. , 2013, , .		4
135	Optimal operation of thermal generating units and smart houses considering transmission constraints. , 2013, , .		3
136	Improvement of the transient stability using SFCL in Korean power systems. Physica C: Superconductivity and Its Applications, 2013, 494, 335-338.	0.6	8
137	Distributed Sensor Network-Based Virtual FDR System. International Journal of Distributed Sensor Networks, 2013, 9, 398480.	1.3	2
138	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.	1.2	9
139	A Comparative Study on Frequency Estimation Methods. Journal of Electrical Engineering and Technology, 2013, 8, 70-79.	1.2	10
140	Analysis of Flashover Rate by Lightning in Korea Distribution Line using CRIEPI Method. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 1-7.	0.1	0
141	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.	1.2	2
142	An Evaluation of Reclosing Schemes in Korean Transmission Systems Considering Transient Stability. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 731-736.	0.1	0
143	A Study on Optimal Sequential Reclosing to Improve Transient Stability in Transmission System. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 1354-1360.	0.1	0
144	Analysis of Propagation Characteristics of Lightning Surge according to the Type of Branch Line in Distribution System. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 1376-1382.	0.1	0

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145	Comparison of operational cost in smart houses with introduction of heat pump or gas engine. , 2012, , .		1
146	Operational planning strategy applying demand response to large PV/battery system. , 2012, , .		2
147	Optimal Operation Strategy with using BESS and DGs in Distribution System. Journal of International Council on Electrical Engineering, 2012, 2, 20-27.	0.4	10
148	Development of adaptive autoreclosure algorithm in transmission lines. , 2012, , .		0
149	Analysis of lightning overvoltage according to the location of overhead ground wire in Korea distribution system. , 2012, , .		1
150	Modeling of battery for electric vehicle using EMTP/MODELS. , 2012, , .		1
151	Fault type classification in transmission line using STFT. , 2012, , .		2
152	Classification of event and variation occurred in distribution system using S-transform. , 2012, , .		0
153	Optimal scheduling method in distribution system considering controllable loads. , 2012, , .		4
154	Optimal operation of DC smart house system by controllable loads based on smart grid topology. Renewable Energy, 2012, 39, 132-139.	4.3	65
155	Analysis of THD according to Output Power Fluctuation of Photovoltaic Generation System using Real Time Simulator. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 361-366.	0.1	1
156	Development of the Discrimination Algorithm for Event and Variation in Distribution System Using S-transform. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 657-663.	0.1	0
157	Analysis of Transient Overvoltages within a 345kV Korean Thermal Plant. Journal of Electrical Engineering and Technology, 2012, 7, 297-303.	1.2	5
158	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
159	Analysis of Stability of PV System using the Eigenvalue according to the Frequency Variation and Requirements of Frequency Protection. Journal of Electrical Engineering and Technology, 2012, 7, 480-485.	1.2	4
160	Modelling of Secondary Arc Using EMTP-RV. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 937-943.	0.1	2
161	Analysis of Lightning-Induced Overvoltage and Current in Buried Underground Distribution Cable using EMTP/MODELS. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 1077-1082.	0.1	0
162	Discrimination Method of Internal and External Fault of Current Differential Relay using Instantaneous Value of Current in Case of Fault with One end CT Saturation. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 1801-1806.	0.1	0

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163	Optimal operation of thermal generating units and smart houses. , 2011, , .		1
164	Frequency Monitoring for Wide-Area Power Grid Protection. , 2011, , .		0
165	Cooperative control of interfaced inverter with PV system and existing voltage control devices considering forecasted error in distribution system. , 2011, , .		4
166	A Frequency-Control Approach by Photovoltaic Generator in a PV&DIESEL Hybrid Power System. IEEE Transactions on Energy Conversion, 2011, 26, 559-571.	3.7	230
167	Optimum operation planning of controllable loads in smart house. , 2011, , .		6
168	New settings-free fault location algorithm based on synchronised sampling. IET Generation, Transmission and Distribution, 2011, 5, 376.	1.4	46
169	Thermal units commitment considering voltage constraint based on controllable loads reactive control in smart grid. , 2011, , .		2
170	Optimal Operation by Controllable Loads Based on Smart Grid Topology Considering Insolation Forecasted Error. IEEE Transactions on Smart Grid, 2011, 2, 438-444.	6.2	85
171	A new control methodology of wind turbine generators for frequency control of power system in isolated island. Wind Energy, 2011, 14, 407-423.	1.9	5
172	Optimal voltage control in distribution systems using PV generators. International Journal of Electrical Power and Energy Systems, 2011, 33, 485-492.	3.3	71
173	Control strategy for a distributed DC power system with renewable energy. Renewable Energy, 2011, 36, 42-49.	4.3	48
174	Balancing control method by dispersed generators based on H _∞ control theory in DC power feeding system. Renewable Energy, 2011, 36, 163-168.	4.3	4
175	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
176	Study on Advanced Frequency Estimation Technique using Gain Compensation. Journal of Electrical Engineering and Technology, 2011, 6, 439-446.	1.2	7
177	Development of the Algorithm for Discriminating Faults from Variation using Wavelet Transform. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 1460-1466.	0.1	0
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