Jung-Wook Park

List of Publications by Year
in descending order

174 papers	2,991 citations	201385 27 h-index	205818 48 g-index
176 all docs	176 docs citations	176 times ranked	2612 citing authors

#	Article	IF	Citations
1	Design and Control of a Modular Multilevel HVDC Converter With Redundant Power Modules for Noninterruptible Energy Transfer. IEEE Transactions on Power Delivery, 2012, 27, 1611-1619.	2.9	247
2	Selection of Optimal Location and Size of Multiple Distributed Generations by Using Kalman Filter Algorithm. IEEE Transactions on Power Systems, 2009, 24, 1393-1400.	4.6	165
3	Dynamic Droop–Based Inertial Control of a Doubly-Fed Induction Generator. IEEE Transactions on Sustainable Energy, 2016, 7, 924-933.	5.9	117
4	Frequency Control Support of a Doubly-Fed Induction Generator Based on the Torque Limit. IEEE Transactions on Power Systems, 2016, 31, 4575-4583.	4.6	116
5	Study on a Series Resistive SFCL to Improve Power System Transient Stability: Modeling, Simulation, and Experimental Verification. IEEE Transactions on Industrial Electronics, 2009, 56, 2412-2419.	5.2	103
6	Hybrid Load Forecasting Method With Analysis of Temperature Sensitivities. IEEE Transactions on Power Systems, 2006, 21, 869-876.	4.6	93
7	Energy Management Based on the Photovoltaic HPCS With an Energy Storage Device. IEEE Transactions on Industrial Electronics, 2015, 62, 4608-4617.	5.2	80
8	The Effect of SFCL on Electric Power Grid With Wind-Turbine Generation System. IEEE Transactions on Applied Superconductivity, 2010, 20, 1177-1181.	1.1	68
9	Optimal Placement and Sizing of Multiple DGs in a Practical Distribution System by Considering Power Loss. IEEE Transactions on Industry Applications, 2013, 49, 2262-2270.	3.3	68
10	Diagnosis of Output Power Lowering in a PV Array by Using the Kalman-Filter Algorithm. IEEE Transactions on Energy Conversion, 2012, 27, 885-894.	3.7	67
11	Adaptive-critic-based optimal neurocontrol for synchronous generators in a power system using MLP/RBF neural networks. IEEE Transactions on Industry Applications, 2003, 39, 1529-1540.	3.3	64
12	MLP/RBF Neural-Networks-Based Online Global Model Identification of Synchronous Generator. IEEE Transactions on Industrial Electronics, 2005, 52, 1685-1695.	5.2	63
13	New Islanding Detection Method for Inverter-Based Distributed Generation Considering Its Switching Frequency. IEEE Transactions on Industry Applications, 2010, 46, 2089-2098.	3.3	58
14	Improvement of Composite Load Modeling Based on Parameter Sensitivity and Dependency Analyses. IEEE Transactions on Power Systems, 2014, 29, 242-250.	4.6	56
15	Study on Optimal Location of a Resistive SFCL Applied to an Electric Power Grid. IEEE Transactions on Applied Superconductivity, 2009, 19, 2048-2052.	1.1	52
16	Adaptive Hierarchical Voltage Control of a DFIG-Based Wind Power Plant for a Grid Fault. IEEE Transactions on Smart Grid, 2016, 7, 2980-2990.	6.2	44
17	Development of a ZVT-PWM Buck Cascaded Buck–Boost PFC Converter of 2 kW With the Widest Range of Input Voltage. IEEE Transactions on Industrial Electronics, 2018, 65, 2090-2099.	5.2	44
18	An Effort to Optimize Similar Days Parameters for ANN-Based Electricity Price Forecasting. IEEE Transactions on Industry Applications, 2009, 45, 1888-1896.	3.3	43

#	ARTICLE	IF	CITATIONS
19	Power Smoothing of a Variable-Speed Wind Turbine Generator in Association With the Rotor-Speed-Dependent Gain. IEEE Transactions on Sustainable Energy, 2017, 8, 990-999.	5.9	41
20	Power Management and Control for Grid-Connected DGs With Intentional Islanding Operation of Inverter. IEEE Transactions on Power Systems, 2013, 28, 1235-1244.	4.6	40
21	Parameter Optimization of SFCL With Wind-Turbine Generation System Based on Its Protective Coordination. IEEE Transactions on Applied Superconductivity, 2011, 21, 2153-2156.	1.1	36
22	Application of SMES and Grid Code Compliance to Wind/Photovoltaic Generation System. IEEE Transactions on Applied Superconductivity, 2013, 23, 5000804-5000804.	1.1	36
23	On Improving Distortion Power Quality Index in Distributed Power Grids. IEEE Transactions on Smart Grid, 2013, 4, 586-595.	6.2	34
24	New External Neuro-Controller for Series Capacitive Reactance Compensator in a Power Network. IEEE Transactions on Power Systems, 2004, 19, 1462-1472.	4.6	32
25	Decoupled Frequency and Voltage Control for Stand-Alone Microgrid With High Renewable Penetration. IEEE Transactions on Industry Applications, 2019, 55, 122-133.	3.3	32
26	Comparison of MLP and RBF neural networks using deviation signals for on-line identification of a synchronous generator. , 0, , .		29
27	Recovery Characteristics of Resistive SFCL Wound With YBCO Coated Conductor in a Power System. IEEE Transactions on Applied Superconductivity, 2007, 17, 1859-1862.	1.1	27
28	Study on Wind-Turbine Generator System Sizing Considering Voltage Regulation and Overcurrent Relay Coordination. IEEE Transactions on Power Systems, 2011, 26, 1283-1293.	4.6	27
29	Inertia-Free Stand-Alone Microgrid—Part II: Inertia Control for Stabilizing DC-Link Capacitor Voltage of PMSG Wind Turbine System. IEEE Transactions on Industry Applications, 2018, 54, 4060-4068.	3.3	27
30	Impact of Electric Vehicle Penetration-Based Charging Demand on Load Profile. Journal of Electrical Engineering and Technology, 2013, 8, 244-251.	1.2	27
31	A Study on the Design of the Stabilizer of Coated Conductor for Applying to SFCL. IEEE Transactions on Applied Superconductivity, 2007, 17, 1855-1858.	1.1	26
32	Fast and Reliable Estimation of Composite Load Model Parameters Using Analytical Similarity of Parameter Sensitivity. IEEE Transactions on Power Systems, 2016, 31, 663-671.	4.6	26
33	A Study on Wind-Turbine Generator System Sizing Considering Overcurrent Relay Coordination With SFCL. IEEE Transactions on Applied Superconductivity, 2011, 21, 2140-2143.	1.1	25
34	Flexible IQ–V Scheme of a DFIG for Rapid Voltage Regulation of a Wind Power Plant. IEEE Transactions on Industrial Electronics, 2017, 64, 8832-8842.	5.2	25
35	A Study on Optimal Sizing of Superconducting Magnetic Energy Storage in Distribution Power System. IEEE Transactions on Applied Superconductivity, 2012, 22, 5701004-5701004.	1.1	23
36	Effect of a SFCL on Commutation Failure in a HVDC System. IEEE Transactions on Applied Superconductivity, 2013, 23, 5600104-5600104.	1.1	23

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37	Virtual Multi-Slack Droop Control of Stand-Alone Microgrid With High Renewable Penetration Based on Power Sensitivity Analysis. IEEE Transactions on Power Systems, 2018, 33, 3408-3417.	4.6	23
38	Analytical and Experimental Studies on the Hybrid Fault Current Limiter Employing Asymmetric Non-Inductive Coil and Fast Switch. IEEE Transactions on Applied Superconductivity, 2009, 19, 1896-1899.	1.1	22
39	Optimal Tuning for Linear and Nonlinear Parameters of Power System Stabilizers in Hybrid System Modeling. IEEE Transactions on Industry Applications, 2009, 45, 87-97.	3.3	22
40	A hybrid flash translation layer design for SLC–MLC flash memory based multibank solid state disk. Microprocessors and Microsystems, 2011, 35, 48-59.	1.8	22
41	Study on Battery Charging Strategy of Electric Vehicles Considering Battery Capacity. IEEE Access, 2021, 9, 89757-89767.	2.6	22
42	Indirect Adaptive Control for Synchronous Generator: Comparison of MLP/RBF Neural Networks Approach With Lyapunov Stability Analysis. IEEE Transactions on Neural Networks, 2004, 15, 460-464.	4.8	21
43	A Pattern Adaptive NAND Flash Memory Storage Structure. IEEE Transactions on Computers, 2012, 61, 134-138.	2.4	21
44	New Power Quality Index in a Distribution Power System by Using RMP Model. IEEE Transactions on Industry Applications, 2010, 46, 1204-1211.	3.3	20
45	Analysis on Special Protection Scheme of Korea Electric Power System by Fully Utilizing STATCOM in a Generation Side. IEEE Transactions on Power Systems, 2017, 32, 1882-1890.	4.6	20
46	Analysis of the Operational Characteristics of a Resistive SFCL by Using the YBCO Coated Conductor. IEEE Transactions on Applied Superconductivity, 2007, 17, 1851-1854.	1.1	19
47	Nonlinear Parameter Optimization of FACTS Controller via Real-Time Digital Simulator. IEEE Transactions on Industry Applications, 2013, 49, 2271-2278.	3.3	19
48	A Study on Optimal Sizing and Control for Hybrid Energy Storage System with SMES and Battery**This work was supported in part by the National Research Foundation (NRF) of Korea grant funded by the Korea government (MEST) (No. 2011-0028065) and in part by the Power Generation & Electricity Delivery Core Technology Program of the Korea Institute of Energy Technology Evaluation and Planning (KETEP) granted financial resource from the Ministry of Trade, Industry & Energy, Korea (20141020402340).. IFAC-PapersOnLine, 2015, 48, 507-511.	0.5	19
49	A Study on the Direct Stability Analysis of Multi-Machine Power System With Resistive SFCL. IEEE Transactions on Applied Superconductivity, 2012, 22, 5602304-5602304.	1.1	18
50	Dual heuristic programming based nonlinear optimal control for a synchronous generator. Engineering Applications of Artificial Intelligence, 2008, 21, 97-105.	4.3	17
51	Analysis on Effect of SFCL Applied to an Isolated Microgrid With a Dynamic Load Model. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	17
52	Reactive Power Management Based on Voltage Sensitivity Analysis of Distribution System with High Penetration of Renewable Energies. Energies, 2019, 12, 1493.	1.6	16
53	A Class of Single-Phase Z-Source AC–AC Converters With Magnetic Coupling and Safe-Commutation Strategy. IEEE Transactions on Industrial Electronics, 2021, 68, 8104-8115.	5.2	16
54	Frequency Stability Support of a DFIG to Improve the Settling Frequency. IEEE Access, 2020, 8, 22473-22482.	2.6	16

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55	Kalman-Filter Based Static Load Modeling of Real Power System Using K-EMS Data. Journal of Electrical Engineering and Technology, 2012, 7, 304-311.	1.2	16
56	Effect of a SMES in Power Distribution Network With PV System and PBEVs. IEEE Transactions on Applied Superconductivity, 2013, 23, 5700104-5700104.	1.1	15
57	Induced Voltages Ratio-Based Algorithm for Fault Detection, and Faulted Phase and Winding Identification of a Three-Winding Power Transformer. Energies, 2014, 7, 6031-6049.	1.6	15
58	Optimal Operation of Multiple DGs in DC Distribution System to Improve System Efficiency. IEEE Transactions on Industry Applications, 2016, 52, 3673-3681.	3.3	15
59	A Family of Improved Dual-Buck DC–AC Inverters and Dual-Boost AC–DC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2930-2942.	3.7	15
60	Design and Implementation of Novel Noninverting Buck–Boost AC–AC Converter for DVR Applications. IEEE Transactions on Industrial Electronics, 2021, 68, 9346-9357.	5.2	15
61	Power Smoothing of a Variable-Speed Wind Turbine Generator Based on a Two-Valued Control Gain. IEEE Transactions on Sustainable Energy, 2020, 11, 2765-2774.	5.9	15
62	Adaptive Protection Algorithm for Overcurrent Relay in Distribution System with DG. Journal of Electrical Engineering and Technology, 2013, 8, 1002-1011.	1.2	15
63	New internal optimal neurocontrol for a series FACTS device in a power transmission line. Neural Networks, 2003, 16, 881-890.	3.3	14
64	Power System Control With an Embedded Neural Network in Hybrid System Modeling. IEEE Transactions on Industry Applications, 2008, 44, 1458-1465.	3.3	14
65	Kalman-Filter-Based Multilevel Analysis to Estimate Electric Load Composition. IEEE Transactions on Industrial Electronics, 2012, 59, 4263-4271.	5.2	13
66	Improved PD-PWM for minimizing harmonics of multilevel converter using gradient optimization. , 2014, , .		13
67	Practical Power Management of PV/ESS Integrated System. IEEE Access, 2020, 8, 189775-189785.	2.6	13
68	Sensitivity analysis of neural network parameters to improve the performance of electricity price forecasting. International Journal of Energy Research, 2009, 33, 38-51.	2.2	12
69	Full-Bridge Single-Inductor-Based Buck–Boost Inverters. IEEE Transactions on Power Electronics, 2021, 36, 1909-1920.	5.4	12
70	A Reduced Multivariate-Polynomial Model for Estimation of Electric Load Composition. IEEE Transactions on Industry Applications, 2008, 44, 1333-1340.	3.3	11
71	PI Control Loop–Based Frequency Smoothing of a Doubly-Fed Induction Generator. IEEE Transactions on Sustainable Energy, 2021, 12, 1811-1819.	5.9	11
72	An Effort to Optimize Similar Days Parameters for ANN Based Electricity Price Forecasting. , 2008, , .		10

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73	Optimal Parameter Selection of Resistive SFCL Applied to a Power System Using Eigenvalue Analysis. IEEE Transactions on Applied Superconductivity, 2010, 20, 1147-1150.	1.1	10
74	An adaptive neural network identifier for effective control of a static compensator connected to a power system. , 0, , .		9
75	Adaptive critic design based neurocontroller for a STATCOM connected to a power system. , 0, , .		9
76	Decentralized optimal neuro-controllers for generation and transmission devices in an electric power network. Engineering Applications of Artificial Intelligence, 2005, 18, 37-46.	4.3	9
77	Experimental Method for Determining the Recovery of Superconducting Fault Current Limiter Using Coated Conductor in a Power System. IEEE Transactions on Applied Superconductivity, 2008, 18, 652-655.	1.1	9
78	Estimation of Wind Turbine Rotor Power Coefficient Using RMP Model. , 2009, , .		9
79	Improvement on Stability and Islanding Detection Performances by Advanced Inverter Control of DG. IEEE Transactions on Power Systems, 2013, 28, 3954-3963.	4.6	9
80	Energy management system for stable operation of isolated microgrid. CIRED - Open Access Proceedings Journal, 2017, 2017, 1737-1740.	0.1	9
81	Inertia-Free Stand-Alone Microgridâ€"Part I: Analysis on Synchronized GPS Time-Based Control and Operation. IEEE Transactions on Industry Applications, 2018, 54, 4048-4059.	3.3	8
82	Sawtooth-Carrier-Based Pulsewidth Modulation Method for Quasi-Z-Source Inverter With Zero-Voltage-Switching Operation to Reduce Harmonic Distortion and Inductor Current Ripple. IEEE Transactions on Industrial Electronics, 2021, 68, 916-924.	5.2	8
83	Power Loss Modeling of Individual IGBT and Advanced Voltage Balancing Scheme for MMC in VSC-HVDC System. Journal of Electrical Engineering and Technology, 2014, 9, 1471-1481.	1.2	8
84	Optimal placement and sizing of multiple DGs in a practical distribution system. , 2012, , .		7
85	Optimal Placement Algorithm of Multiple DGs Based on Model-Free Lyapunov Exponent Estimation. IEEE Access, 2020, 8, 135416-135425.	2.6	7
86	Hessian Matrix Estimation in Hybrid Systems Based on an Embedded FFNN. IEEE Transactions on Neural Networks, 2010, 21, 1533-1542.	4.8	6
87	Converter control of PMSG wind turbine system for inertia-free stand-alone microgrid. , 2016, , .		6
88	Decoupled frequency and voltage control for stand-alone microgrid with high renewable penetration. , 2018, , .		6
89	An Improved STATCOM based on Hybrid Modular Multilevel Converter. , 2019, , .		6
90	Quasi-Clamped ZSI With Two Transformers. IEEE Transactions on Industrial Electronics, 2021, 68, 9455-9466.	5.2	6

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91	Optimal Placement and Sizing of an Energy Storage System Using a Power Sensitivity Analysis in a Practical Stand-Alone Microgrid. Electronics (Switzerland), 2021, 10, 1598.	1.8	6
92	Dynamic Droop-based Inertial Control of a Wind Power Plant. Journal of Electrical Engineering and Technology, 2015, 10, 1363-1369.	1.2	6
93	Trade-Off Strategies in Designing Capacitor Voltage Balancing Schemes for Modular Multilevel Converter HVDC. Journal of Electrical Engineering and Technology, 2016, 11, 829-838.	1.2	6
94	Power system optimization and coordination of damping controls by series FACTS devices. , 2005, , .		5
95	Power Smoothing of a Variable-speed Wind Turbine Generator. International Journal of Control, Automation and Systems, 2021, 19, 11-19.	1.6	5
96	Real-Time Maximum Power Point Tracking Method Based on Three Points Approximation by Digital Controller for PV System. Journal of Electrical Engineering and Technology, 2014, 9, 1447-1453.	1.2	5
97	Optimal SOC Reference Based Active Cell Balancing on a Common Energy Bus of Battery. Journal of Electrical Engineering and Technology, 2017, 12, 29-38.	1.2	5
98	Design and Control of OBC-LDC Integrated Circuit with Variable Turns Ratio for Electric Vehicles. , 2020, , .		5
99	Adaptive critic designs and their implementations on different neural network architectures. , 0, , .		4
100	Damping Improvement through Tuning Controller Limits of a Series Facts Device. , 0, , .		4
101	New Islanding Detection Method for Inverter-Based Distributed Generation Considering Its Switching Frequency. , 2009, , .		4
102	Nonlinear parameter optimization of FACTS controller via real-time digital simulator. , 2012, , .		4
103	A Study on Optimization of Resistive SFCL for Multi-Machine Power System Using Eigenvalue Analysis. Journal of International Council on Electrical Engineering, 2014, 4, 167-172.	0.4	4
104	Effective object segmentation based on physical theory in an MR image. Multimedia Tools and Applications, 2015, 74, 6273-6286.	2.6	4
105	A Study on Volt-Watt Mode of Smart Inverter to Prevent Voltage Rise with High Penetration of PV System. , 2019, , .		4
106	Novel Switching Control Method for Synchronous Rectifier of Phase-Shifted Full-Bridge Converter in Light-Load Conditions. , 2019, , .		4
107	Active Distribution Management System Based on Smart Inverter Control of PV/ESS Integrated System. IEEE Transactions on Industrial Electronics, 2022, 69, 7994-8003.	5.2	4
108	Constant Power Generation Method for Grid-Connected Photovoltaic Systems With Fast Response Under Dynamic Irradiance Condition. , 2020, , .		4

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109	Scalar Approach Based PWM Strategy for Two-Level Three-Phase VSIs to Reduce Switching Losses and RMS Current in DC-Link Capacitors. , 2020, , .		4
110	Frequency Stability Enhancement of Low-Inertia Large-Scale Power System Based on Grey Wolf Optimization. IEEE Access, 2022, 10, 11657-11668.	2.6	4
111	Comparison of MLP and RBF neural networks using deviation signals for indirect adaptive control of a synchronous generator. , 0, , .		3
112	Optimization of Memory Management for H.264/AVC Decoder. , 2006, , .		3
113	Parameter Optimization of PSS Based on Estimated Hessian Matrix from Trajectory Sensitivities. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	3
114	Sensitivity Analysis of Similar Days Parameters for Predicting Short-Term Electricity Price. , 2007, , .		3
115	Comparison of analog-to-digital filter conversion methods in a digital flickermeter. Electrical Engineering, 2009, 91, 125-131.	1.2	3
116	Optimal operation of multiple DGs in DC distribution system to improve system efficiency. , 2016, , .		3
117	Assessment of Maximum Penetration Capacity of Photovoltaic Generator Considering Frequency Stability in Practical Stand-Alone Microgrid. Energies, 2019, 12, 1445.	1.6	3
118	A Study on the Power Reserve of Distributed Generators Based on Power Sensitivity Analysis in a Large-Scale Power System. Electronics (Switzerland), 2021, 10, 769.	1.8	3
119	A New Control for Synchronous Rectifier of Phase-Shifted Full-Bridge Converter to Improve Efficiency in Light-Load Condition. IEEE Transactions on Industry Applications, 2021, 57, 3822-3831.	3.3	3
120	Energy Management Strategy and Adaptive Control for SMES in Power System with a Photovoltaic Farm. Journal of Electrical Engineering and Technology, 2014, 9, 1182-1187.	1.2	3
121	Single-Stage Single-Phase H6 and H8 Non-Isolated Buck-Boost Photovoltaic Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4865-4878.	3.7	3
122	Dual-Buck Three-Switch Leg Converters With Reduced Number of Passive Components. IEEE Transactions on Power Electronics, 2022, 37, 13484-13498.	5.4	3
123	Analysis of DC-Link Voltage Ripple by Generalized Discontinuous PWM Strategy in Two-Level Three-Phase Voltage Source Inverters. , 2022, , .		3
124	Optimal tuning for saturation limiter of a series FACTS device. , 2008, , .		2
125	RMP model based optimization of power system stabilizers in multi-machine power system. Neural Networks, 2009, 22, 842-850.	3.3	2
126	An integrated mapping table for hybrid FTL with fault-tolerant address cache. IEICE Electronics Express, 2009, 6, 368-374.	0.3	2

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127	An instruction-systolic programmable shader architecture for multi-threaded 3D graphics processing. Journal of Parallel and Distributed Computing, 2010, 70, 1110-1118.	2.7	2
128	A survey on operation of wind turbine generators in stand-alone microgrid. , 2015, , .		2
129	Analysis on voltage and frequency responses of isolated microgrid according to minimisation of diesel generations. CIRED - Open Access Proceedings Journal, 2017, 2017, 1571-1574.	0.1	2
130	Clamping Angle Control PWM Method to Restore Linear Modulation Range of a Voltage Source Inverter. IEEE Transactions on Power Electronics, 2018, 33, 10914-10923.	5.4	2
131	Synchronous Rectifier Control Algorithm to Improve Efficiency of Full-Bridge Converter with Asymmetric PWM Control. , 2018, , .		2
132	Allowable Capacity Estimation of DGs for New 70 kV Transmission System in Korea. , 2019, , .		2
133	Parallel Operation of Transformer-Based Improved Z-Source Inverter With High Boost and Interleaved Control. IEEE Transactions on Industrial Informatics, 2022, 18, 2422-2433.	7.2	2
134	A Study of the Method for Calculating the Optimal Generator Capacity of a Ship Based on LNG Carrier Operation Data. Electronics (Switzerland), 2021, 10, 258.	1.8	2
135	Power-Sensitivities-Based Indirect Voltage Control of Renewable Energy Generators With Power Constraints. IEEE Access, 2021, 9, 101655-101664.	2.6	2
136	A Family of High Frequency Isolated Impedance Source DC-DC Converters for Distributed Power Generation Systems. , 2020, , .		2
137	Adaptive critic based optimal neurocontrol for synchronous generator in power system using MLP/RBF neural networks. , 0, , .		1
138	Estimation of Electric Load Composition on a Utility Side. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	1
139	Power System Control with an Embedded Neural Network in Hybrid System Modeling. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	1
140	Optimal Tuning for Linear and Nonlinear Parameters of Power System Stabilizers in Hybrid System Modeling. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	1
141	A Reduced Multivariate Polynomial Model for Estimation of Electric Load Composition. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	1
142	New Power Quality Index in a Distribution Power System by Using RMP Model. , 2008, , .		1
143	Nonlinear controller optimization of a power system based on reduced multivariate polynomial model. , 2009, , .		1
144	Guest Editorial Special Section on Computational Intelligence Applications in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 445-445.	6.2	1

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145	Inertia-free stand-alone microgrid, part II: Inertia control and stability with PMSG wind turbine system. , 2017, , .		1
146	PWM Selection Method for High Performance of Two-Level Three-Phase Voltage Source Inverters in High Load Power Factor Ranges. , 2021, , .		1
147	Partially Signed Binary Voltage Control of Hybrid Modular Multilevel Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4774-4785.	3.7	1
148	Dynamic Embedded Optimization Applied to Power System Stabilizers. Journal of Electrical Engineering and Technology, 2014, 9, 390-398.	1.2	1
149	New Modeling of Switching Devices Considering Power Loss in Electromagnetic Transients Program Simulation. Journal of Electrical Engineering and Technology, 2016, 11, 592-601.	1.2	1
150	A parallel motion estimation engine for H.264 encoding using the UMHexagonS algorithm. , 2009, , .		1
151	A Study on Frequency Stability and Primary Frequency Response of the Korean Electric Power System Considering the High Penetration of Wind Power. Energies, 2022, 15, 1784.	1.6	1
152	Selection of Inertial and Power Curtailment Control Methods for Wind Power Plants to Enhance Frequency Stability. Energies, 2022, 15, 2630.	1.6	1
153	A novel dual heuristic programming based optimal control of a series compensator in the electric power transmission system. , 0, , .		0
154	A deterministic way-prediction scheme using power-aware replacement policy. Microprocessors and Microsystems, 2006, 30, 209-215.	1.8	0
155	Optimal Tuning for Linear and Nonlinear Parameters of Power System Stabilizers in Hybrid System Modeling. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	0
156	A Reduced Multivariate Polynomial Model for Estimation of Electric Load Composition. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	0
157	A small data cache for multimedia-oriented embedded systems. Journal of Systems Architecture, 2008, 54, 161-176.	2.5	0
158	Nonlinear parameter neuro-estimation for optimal tuning of power system stabilizers. , 2008, , .		0
159	Low-Power Embedded Processor Design Using Branch Direction. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 3180-3181.	0.2	0
160	Memory Sub-System Optimization on a SIMD Video Signal Processor for Multi-Standard CODEC. , 2012, , .		0
161	Non-interruptible energy transfer algorithm applied to multi-terminal VSC-HVDC with modular multilevel converter. , 2015, , .		0
162	Inertia-free stand-alone microgrid, part I: Analysis on synchronized GPS time based control and operation. , 2017, , .		0

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163	Allowable Capacity Estimation of DGs for High Renewable Penetration to Distribution System. , 2018, , .		0
164	Circulating Current Suppression of Hybrid Modular Multilevel Converter with Improved Nearest Level Modulation. , 2019, , .		0
165	New Control Strategy for Synchronous Rectifier to Maximize Efficiency of Full-Bridge Converter with Asymmetric PWM Method. Journal of Electrical Engineering and Technology, 2019, 14, 2011-2018.	1.2	0
166	Conventional Droop Methods for Microgrids. Power Systems, 2021, , 255-274.	0.3	0
167	Practice and Experience of an Embedded Processor Core Modeling. Lecture Notes in Computer Science, 2006, , 621-630.	1.0	0
168	A Way Enabling Mechanism Based on the Branch Prediction Information for Low Power Instruction Cache. IEICE Transactions on Electronics, 2009, E92-C, 517-521.	0.3	0
169	Diagnosis Method of Output Power Lowering of PV System by Using Kalman Filter Algorithm. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 1537-1546.	0.1	0
170	Development of Wireless Data Acquisition Device for Individual Load to Improve Function of Smart Meter Applied to AMI. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 1795-1803.	0.1	0
171	Double-tuned Filter Design For HVDC System. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 1232-1241.	0.1	0
172	Compensation of Power Fluctuations of PV Generation System by SMES Based on Interleaving Technique. Journal of Electrical Engineering and Technology, 2015, 10, 1983-1988.	1.2	0
173	A Novel High-Frequency Isolated Single-Phase Full-Bridge Buck-Boost inverter. , 2021, , .		0
174	An Improved Cascaded Dual-Buck AC-AC Converter. , 2020, , .		0