

Danny Sutanto

List of Publications by Year in descending order

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296
papers

6,196
citations

81900

39
h-index

98798

67
g-index

298
all docs

298
docs citations

298
times ranked

4817
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Approach for Ramp-Rate Control of Solar PV Using Energy Storage to Mitigate Output Fluctuations Caused by Cloud Passing. IEEE Transactions on Energy Conversion, 2014, 29, 507-518.	5.2	294
2	Mitigation of Rooftop Solar PV Impacts and Evening Peak Support by Managing Available Capacity of Distributed Energy Storage Systems. IEEE Transactions on Power Systems, 2013, 28, 3874-3884.	6.5	264
3	Effective Utilization of Available PEV Battery Capacity for Mitigation of Solar PV Impact and Grid Support With Integrated V2G Functionality. IEEE Transactions on Smart Grid, 2016, 7, 1562-1571.	9.0	192
4	High-Impedance Fault Detection Using Discrete Wavelet Transform and Frequency Range and RMS Conversion. IEEE Transactions on Power Delivery, 2005, 20, 397-407.	4.3	182
5	A review of topologies of three-port DC-DC converters for the integration of renewable energy and energy storage system. Renewable and Sustainable Energy Reviews, 2016, 56, 388-401.	16.4	166
6	Unified Analysis of Switched-Capacitor Resonant Converters. IEEE Transactions on Industrial Electronics, 2004, 51, 864-873.	7.9	158
7	Steady-state and transient analysis of self-excited induction generators. IEE Proceedings B: Electric Power Applications, 1989, 136, 61.	0.2	125
8	State-of-the-Art of the Medium-Voltage Power Converter Technologies for Grid Integration of Solar Photovoltaic Power Plants. IEEE Transactions on Energy Conversion, 2019, 34, 372-384.	5.2	122
9	Solar PV and Battery Storage Integration using a New Configuration of a Three-Level NPC Inverter With Advanced Control Strategy. IEEE Transactions on Energy Conversion, 2014, 29, 354-365.	5.2	109
10	Technical challenges for electric power industries due to grid-integrated electric vehicles in low voltage distributions: A review. Energy Conversion and Management, 2014, 86, 689-700.	9.2	104
11	A Multi-Mode Control Strategy for VAR Support by Solar PV Inverters in Distribution Networks. IEEE Transactions on Power Systems, 2015, 30, 1316-1326.	6.5	104
12	An Effective Power Dispatch Control Strategy to Improve Generation Schedulability and Supply Reliability of a Wind Farm Using a Battery Energy Storage System. IEEE Transactions on Sustainable Energy, 2015, 6, 1093-1102.	8.8	100
13	An Efficient Energy Management Approach for a Solar-Powered EV Battery Charging Facility to Support Distribution Grids. IEEE Transactions on Industry Applications, 2019, 55, 6517-6526.	4.9	100
14	A new load shedding scheme for limiting underfrequency. IEEE Transactions on Power Systems, 1994, 9, 1371-1378.	6.5	95
15	A Three-Phase Power Flow Approach for Integrated 3-Wire MV and 4-Wire Multigrounded LV Networks With Rooftop Solar PV. IEEE Transactions on Power Systems, 2013, 28, 1728-1737.	6.5	93
16	Analysis of Nonstationary Power-Quality Waveforms Using Iterative Hilbert Huang Transform and SAX Algorithm. IEEE Transactions on Power Delivery, 2013, 28, 2134-2144.	4.3	90
17	High-voltage-gain quadratic boost converter with voltage multiplier. IET Power Electronics, 2015, 8, 2511-2519.	2.1	86
18	Conceptual Design of A Multi-Agent System for Interconnected Power Systems Restoration. IEEE Transactions on Power Systems, 2012, 27, 732-740.	6.5	84

#	ARTICLE	IF	CITATIONS
19	An Approach for Online Assessment of Rooftop Solar PV Impacts on Low-Voltage Distribution Networks. IEEE Transactions on Sustainable Energy, 2014, 5, 663-672.	8.8	84
20	Future Power Distribution Grids: Integration of Renewable Energy, Energy Storage, Electric Vehicles, Superconductor, and Magnetic Bus. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	84
21	A Multi-Agent Solution to Distribution System Management by Considering Distributed Generators. IEEE Transactions on Power Systems, 2013, 28, 1442-1451.	6.5	79
22	A Controllable Local Peak-Shaving Strategy for Effective Utilization of PEV Battery Capacity for Distribution Network Support. IEEE Transactions on Industry Applications, 2015, 51, 2030-2037.	4.9	78
23	A Hybrid Multiagent Framework With Q-Learning for Power Grid Systems Restoration. IEEE Transactions on Power Systems, 2011, 26, 2434-2441.	6.5	70
24	Alleviation of Neutral-to-Ground Potential Rise Under Unbalanced Allocation of Rooftop PV Using Distributed Energy Storage. IEEE Transactions on Sustainable Energy, 2015, 6, 889-898.	8.8	61
25	A Novel Modulation Technique and a New Balancing Control Strategy for a Single-Phase Five-Level ANPC Converter. IEEE Transactions on Industry Applications, 2015, 51, 1215-1227.	4.9	61
26	Distributed energy storage for mitigation of voltage-rise impact caused by rooftop solar PV. , 2012, , .		60
27	A study of the status and future of superconducting magnetic energy storage in power systems. Superconductor Science and Technology, 2006, 19, R31-R39.	3.5	58
28	Cumulant based probabilistic power system simulation using Laguerre polynomials. IEEE Transactions on Energy Conversion, 1989, 4, 567-574.	5.2	57
29	Application of an optimisation method for determining the reactive margin from voltage collapse in reactive power planning. IEEE Transactions on Power Systems, 1996, 11, 1473-1481.	6.5	56
30	Self-Adaptation-Based Dynamic Coalition Formation in a Distributed Agent Network: A Mechanism and a Brief Survey. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1042-1051.	5.6	56
31	Coordinated Decentralized Emergency Voltage and Reactive Power Control to Prevent Long-Term Voltage Instability in a Power System. IEEE Transactions on Power Systems, 2015, 30, 2591-2603.	6.5	55
32	Voltage instability in interconnected power systems: a simulation approach. IEEE Transactions on Power Systems, 1992, 7, 753-761.	6.5	54
33	Community Energy Storage for Neutral Voltage Rise Mitigation in Four-Wire Multigrounded LV Feeders With Unbalanced Solar PV Allocation. IEEE Transactions on Smart Grid, 2015, 6, 2845-2855.	9.0	54
34	Accurate range estimation for an electric vehicle including changing environmental conditions and traction system efficiency. IET Electrical Systems in Transportation, 2017, 7, 117-124.	2.4	53
35	Unified mathematical modelling of steady-state and dynamic voltageâ€“current characteristics for PEM fuel cells. Electrochimica Acta, 2006, 52, 1135-1144.	5.2	52
36	Zero-current switching switched-capacitor quasiresonant step-down converter. IET Electric Power Applications, 2002, 149, 111.	1.4	49

#	ARTICLE	IF	CITATIONS
37	A Robust Power Management Strategy With Multi-Mode Control Features for an Integrated PV and Energy Storage System to Take the Advantage of ToU Electricity Pricing. IEEE Transactions on Industry Applications, 2019, 55, 2110-2120.	4.9	48
38	An Integrated Energy Management Approach for the Economic Operation of Industrial Microgrids Under Uncertainty of Renewable Energy. IEEE Transactions on Industry Applications, 2020, 56, 1062-1073.	4.9	48
39	Smart Grid and its future perspectives in Australia. Renewable and Sustainable Energy Reviews, 2015, 51, 1375-1389.	16.4	46
40	Development of a circuit for functional electrical stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2004, 12, 43-47.	4.9	45
41	Virtual laboratory development for teaching power electronics. , 0, , .		41
42	Flexible AC Power Flow Control in Distribution Systems by Coordinated Control of Distributed Solar-PV and Battery Energy Storage Units. IEEE Transactions on Sustainable Energy, 2020, 11, 2054-2062.	8.8	40
43	Phase-shift controlled DC-DC convertor with bi-directional power flow. IET Electric Power Applications, 2001, 148, 193.	1.4	39
44	Mitigation of Solar PV Intermittency Using Ramp-Rate Control of Energy Buffer Unit. IEEE Transactions on Energy Conversion, 2019, 34, 435-445.	5.2	39
45	A Cooperative Energy Management in a Virtual Energy Hub of an Electric Transportation System Powered by PV Generation and Energy Storage. IEEE Transactions on Transportation Electrification, 2021, 7, 1123-1133.	7.8	38
46	Adaptive and Predictive Energy Management Strategy for Real-Time Optimal Power Dispatch From VPPs Integrated With Renewable Energy and Energy Storage. IEEE Transactions on Industry Applications, 2021, 57, 1958-1972.	4.9	37
47	Future vision for reduction of range anxiety by using an improved state of charge estimation algorithm for electric vehicle batteries implemented with low-cost microcontrollers. IET Electrical Systems in Transportation, 2015, 5, 24-32.	2.4	36
48	Modeling and Control of SiC-Based High-Frequency Magnetic Linked Converter for Next Generation Solid State Transformers. IEEE Transactions on Energy Conversion, 2020, 35, 549-559.	5.2	36
49	Coupled Modeling and Advanced Control for Smooth Operation of a Grid-Connected Linear Electric Generator Based Wave-to-Wire System. IEEE Transactions on Industry Applications, 2020, 56, 5575-5584.	4.9	36
50	Battery storage plant within large load centres. IEEE Transactions on Power Systems, 1992, 7, 762-767.	6.5	34
51	Bidirectional phase-shifted DC-DC convertor. Electronics Letters, 1999, 35, 523.	1.0	33
52	Power system control in the next century. IEEE Transactions on Power Systems, 1996, 11, 11-18.	6.5	31
53	Exploring the power conditioning system for fuel cell. , 0, , .		31
54	A novel control strategy to mitigate slow and fast fluctuations of the voltage profile at common coupling Point of rooftop solar PV unit with an integrated hybrid energy storage system. Journal of Energy Storage, 2018, 20, 409-417.	8.1	31

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55	Enhanced Frequency Support From a PMSG-Based Wind Energy Conversion System Integrated With a High Temperature SMES in Standalone Power Supply Systems. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	31
56	A SAX-Based Advanced Computational Tool for Assessment of Clustered Rooftop Solar PV Impacts on LV and MV Networks in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 577-585.	9.0	30
57	Design and Optimization of a Novel Dual-Port Linear Generator for Oceanic Wave Energy Conversion. IEEE Transactions on Industrial Electronics, 2020, 67, 3409-3418.	7.9	30
58	A Decentralized Multiagent-Based Voltage Control for Catastrophic Disturbances in a Power System. IEEE Transactions on Industry Applications, 2015, 51, 1201-1214.	4.9	29
59	Driver alerting system using range estimation of electric vehicles in real time under dynamically varying environmental conditions. IET Electrical Systems in Transportation, 2016, 6, 107-116.	2.4	29
60	SMES for Protection of Distributed Critical Loads. IEEE Transactions on Power Delivery, 2004, 19, 1267-1275.	4.3	28
61	The state of the art of battery charging infrastructure for electrical vehicles: Topologies, power control strategies, and future trend. , 2017, , .		28
62	A Magnetic-Linked Multilevel Active Neutral Point Clamped Converter With an Advanced Switching Technique for Grid Integration of Solar Photovoltaic Systems. IEEE Transactions on Industry Applications, 2020, 56, 1990-2000.	4.9	28
63	Ultrahigh Voltage Gain DC-DC Boost Converter With ZVS Switching Realization and Coupled Inductor Extendable Voltage Multiplier Cell Techniques. IEEE Transactions on Industrial Electronics, 2022, 69, 323-335.	7.9	28
64	ZCS-ZVS bi-directional phase-shifted DC-DC converter with extended load range. IET Electric Power Applications, 2003, 150, 269.	1.4	27
65	An Intelligent Driver Alerting System for Real-Time Range Indicator Embedded in Electric Vehicles. IEEE Transactions on Industry Applications, 2017, 53, 1751-1760.	4.9	26
66	Model Predictive Control for a New Magnetic Linked Multilevel Inverter to Integrate Solar Photovoltaic Systems With the Power Grids. IEEE Transactions on Industry Applications, 2020, 56, 7145-7155.	4.9	25
67	Battery Energy Storage to Mitigate Rapid Voltage/Power Fluctuations in Power Grids Due to Fast Variations of Solar/Wind Outputs. IEEE Access, 2021, 9, 12191-12202.	4.2	25
68	Probabilistic power system production cost and reliability calculation by the Z-transform method. IEEE Transactions on Energy Conversion, 1989, 4, 559-566.	5.2	24
69	Rotor heating as an indicator of system voltage instability. IEEE Transactions on Power Systems, 1995, 10, 175-181.	6.5	24
70	Self-organization in an agent network: A mechanism and a potential application. Decision Support Systems, 2012, 53, 406-417.	5.9	24
71	A Distributed Multi-Agent Based Emergency Control Approach Following Catastrophic Disturbances in Interconnected Power Systems. IEEE Transactions on Power Systems, 2016, 31, 2764-2775.	6.5	24
72	Transactive energy-based planning framework for VPPs in a co-optimised day-ahead and real-time energy market with ancillary services. IET Generation, Transmission and Distribution, 2019, 13, 2024-2035.	2.5	24

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73	A Multi-Filter Based Dynamic Power Sharing Control for a Hybrid Energy Storage System Integrated to a Wave Energy Converter for Output Power Smoothing. IEEE Transactions on Sustainable Energy, 2022, 13, 1693-1706.	8.8	23
74	An Adaptive Overcurrent Protection Scheme for Dual-Setting Directional Recloser and Fuse Coordination in Unbalanced Distribution Networks With Distributed Generation. IEEE Transactions on Industry Applications, 2022, 58, 1831-1842.	4.9	22
75	A multimodule hybrid converter for high-temperature superconducting magnetic energy storage systems (HT-SMES). IEEE Transactions on Power Delivery, 2005, 20, 475-480.	4.3	21
76	A Noniterative Method to Estimate Load Carrying Capability of Generating Units in a Renewable Energy Rich Power Grid. IEEE Transactions on Sustainable Energy, 2014, 5, 854-865.	8.8	21
77	A Real-Time Range Indicator for EVs Using Web-Based Environmental Data and Sensorless Estimation of Regenerative Braking Power. IEEE Transactions on Vehicular Technology, 2018, 67, 4743-4756.	6.3	21
78	A New Magnetic-Linked Converter for Grid Integration of Offshore Wind Turbines Through MVDC Transmission. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	21
79	Data Driven Coordinated Control of Converters in a Smart Solid State Transformer for Reliable and Automated Distribution Grids. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	21
80	High Temperature Superconducting Devices and Renewable Energy Resources in Future Power Grids: A Case Study. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	20
81	Zero-voltage and zero-current switching buck-boost converter with low voltage and current stresses. IET Power Electronics, 2008, 1, 297.	2.1	19
82	Modelling of a wave-to-wire system for a wave farm and its response analysis against power quality and grid codes. Renewable Energy, 2020, 162, 2041-2055.	8.9	19
83	Real-Time Estimation of Model Parameters and State-of-Charge of Li-Ion Batteries in Electric Vehicles Using a New Mixed Estimation Model. IEEE Transactions on Industry Applications, 2020, 56, 5417-5428.	4.9	19
84	Superconducting magnetic energy storage systems for power system applications. , 2009, , .		18
85	Analyzing Harmonic Monitoring Data Using Supervised and Unsupervised Learning. IEEE Transactions on Power Delivery, 2009, 24, 293-301.	4.3	18
86	Design and characterisation of advanced magnetic materialâ€based core for isolated power converters used in wave energy generation systems. IET Electric Power Applications, 2020, 14, 733-741.	1.8	18
87	A Novel Saturated Amorphous Alloy Core Based Fault Current Limiter for Improving the Low Voltage Ride Through Capability of Doubly-Fed Induction Generator Based Wind Turbines. IEEE Transactions on Industry Applications, 2021, 57, 2023-2034.	4.9	18
88	Multi-agent receding horizon control with neighbour-to-neighbour communication for prevention of voltage collapse in a multi-area power system. IET Generation, Transmission and Distribution, 2014, 8, 1604-1615.	2.5	17
89	An Advance Modulation Technique for Single-Phase Voltage Source Inverter to Integrate SMES Into Low-Voltage Distribution. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	17
90	A Sequential Decision-Making Process for Optimal Technoeconomic Operation of a Grid-Connected Electrical Traction Substation Integrated With Solar PV and BESS. IEEE Transactions on Industrial Electronics, 2021, 68, 1353-1364.	7.9	17

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91	Improved controller for power conditioner using high-temperature superconducting magnetic energy storage (HTS-SMES). IEEE Transactions on Applied Superconductivity, 2003, 13, 38-47.	1.7	16
92	Classification of Power Quality disturbances using the iterative Hilbert Huang Transform. , 2010, , .		16
93	An Optimal Robust Excitation Controller Design Considering the Uncertainties in the Exciter Parameters. IEEE Transactions on Power Systems, 2017, 32, 4171-4179.	6.5	16
94	Direct Control of Plug-In Electric Vehicle Charging Load Using an In-House Developed Intermediate Control Unit. IEEE Transactions on Industry Applications, 2019, 55, 2208-2218.	4.9	16
95	An Effective Energy Management With Advanced Converter and Control for a PV-Battery Storage Based Microgrid to Improve Energy Resiliency. IEEE Transactions on Industry Applications, 2021, 57, 6659-6668.	4.9	16
96	A Control Strategy to Mitigate the Sensitivity Deterioration of Overcurrent Protection in Distribution Networks With the Higher Concentration of the Synchronous and Inverter-Based DG Units. IEEE Transactions on Industry Applications, 2021, 57, 2298-2306.	4.9	16
97	A Novel Dual Slope Delta Modulation Technique for a Current Source Inverter Based Dynamic Voltage Restorer for Mitigation of Voltage Sags. IEEE Transactions on Industry Applications, 2021, 57, 5437-5447.	4.9	16
98	Quantifying the reduction in power variability of co-located offshore wind-wave farms. Renewable Energy, 2022, 185, 1018-1033.	8.9	16
99	Adaptive directive neural network control for three-phase AC/DC PWM converter. IET Electric Power Applications, 2001, 148, 425.	1.4	15
100	Power system applications of superconducting magnetic energy storage systems. , 0, , .		15
101	Investigation of the Effects of DC Current Injected by Transformer-Less PV Inverters on Distribution Transformers. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	15
102	Active and Reactive Power Control of PEV Fast Charging Stations Using a Consecutive Horizon-Based Energy Management Process. IEEE Transactions on Industrial Informatics, 2021, 17, 6742-6753.	11.3	15
103	Cloning, Resource Exchange, and RelationAdaptation: An Integrative Self-Organisation Mechanism in a Distributed Agent Network. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 887-897.	5.6	14
104	Decentralised dispatch of distributed energy resources in smart grids via multi-agent coalition formation. Journal of Parallel and Distributed Computing, 2015, 83, 30-43.	4.1	14
105	A buck-boost converter based multi-input DC-DC/AC converter. , 2016, , .		14
106	A New Approach to Reduce the Nonlinear Characteristics of a Stressed Power System by Using the Normal Form Technique in the Control Design of the Excitation System. IEEE Transactions on Industry Applications, 2017, 53, 492-500.	4.9	14
107	A Consecutive Energy Management Approach for a VPP Comprising Commercial Loads and Electric Vehicle Parking Lots Integrated with Solar PV Units and Energy Storage Systems. , 2019, , .		14
108	Coordinated Charging Control of Electric Vehicles While Improving Power Quality in Power Grids Using a Hierarchical Decision-Making Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 12585-12596.	6.3	14

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109	Detection and Characterization of Time-variant Non-stationary Voltage Sag Waveforms Using Segmented Hilbert Huang Transform. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	14
110	A Z-transform model of transformers for the study of electromagnetic transients in power systems. IEEE Transactions on Power Systems, 1990, 5, 27-33.	6.5	13
111	Generalised analysis of switched-capacitor step-down quasi-resonant converter. Electronics Letters, 2002, 38, 263.	1.0	13
112	An Advanced Control Strategy for a Smooth Integration of Linear Generator Based Wave Energy Conversion System with Distribution Power Grids. , 2019, , .		13
113	Online Sequential Extreme Learning Machine Algorithm for Better Predispach Electricity Price Forecasting Grids. IEEE Transactions on Industry Applications, 2021, 57, 1860-1871.	4.9	13
114	Distance Protection of Transmission Lines in Presence of Inverter-Based Resources: A New Earth Fault Detection Scheme During Asymmetrical Power Swings. IEEE Transactions on Industry Applications, 2022, 58, 1899-1909.	4.9	12
115	Battery energy storage systems for sustainable energy development in Asia. Electric Power Systems Research, 1998, 44, 61-67.	3.6	11
116	Power management solutions for energy management, power quality and environment using battery energy storage systems. , 1999, , .		11
117	Optimum buck converter with a single switch. IEEE Transactions on Power Electronics, 1999, 14, 636-642.	7.9	11
118	A systematic approach towards evaluating voltage unbalance problem in interconnected sub-transmission networks: Separation of contribution by lines, loads and mitigation. , 2008, , .		11
119	A Solar Powered EV Charging or Discharging Facility to Support Local Power Grids. , 2018, , .		11
120	A Modified Carrier-Based Advanced Modulation Technique for Improved Switching Performance of Magnetic-Linked Medium-Voltage Converters. IEEE Transactions on Industry Applications, 2019, 55, 2088-2098.	4.9	11
121	Multi-period data driven control strategy for real-time management of energy storages in virtual power plants integrated with power grid. International Journal of Electrical Power and Energy Systems, 2020, 118, 105747.	5.5	11
122	Investigation of multiple output operation for switched-capacitor resonant converters. International Journal of Circuit Theory and Applications, 2002, 30, 411-423.	2.0	10
123	Real-Time State-of-Charge Tracking Embedded in the Advanced Driver Assistance System of Electric Vehicles. IEEE Transactions on Intelligent Vehicles, 2020, 5, 497-507.	12.7	10
124	An Adaptable Correlated Control for Maintaining Voltage Quality in Low-Voltage Distribution Grids Containing PVs and PEVs. IEEE Transactions on Industrial Informatics, 2022, 18, 5804-5814.	11.3	10
125	Simulation of load shedding as a corrective action against voltage collapse. Electric Power Systems Research, 1998, 46, 235-241.	3.6	9
126	A New Method to Determine the Activation Time of the Overexcitation Limiter Based on Available Generator Rotor Thermal Capacity for Improving Long-Term Voltage Instability. IEEE Transactions on Power Systems, 2017, 32, 1711-1720.	6.5	9

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127	Performance analysis of symmetric and asymmetric multilevel converters. , 2017, , .		9
128	A Novel Active Neutral Point Clamped Multilevel Converter with an Advanced Switching Technique for Grid Integration of Solar Photovoltaic Systems. , 2018, , .		9
129	The simultaneous mitigation of slow and fast voltage fluctuations caused by rooftop solar PV by controlling the charging/discharging of an integrated battery energy storage system. Journal of Energy Storage, 2019, 26, 100971.	8.1	9
130	A Judicious Decision-Making Approach for Power Dispatch in Smart Grid Using a Multiobjective Evolutionary Algorithm Based on Decomposition. IEEE Transactions on Industry Applications, 2020, 56, 1918-1929.	4.9	9
131	An Adaptive Grounding Scheme for Synchronous-Based DG to Prevent the Generator Damage and Protection Malfunctioning During Ground Faults Under Different Operating Modes. IEEE Transactions on Industry Applications, 2021, 57, 2307-2316.	4.9	9
132	Optimization of a Grid-Connected Microgrid Using Tidal and Wind Energy in Cook Strait. Fluids, 2021, 6, 426.	1.7	9
133	A Novel Universal Magnetic Power Plug to Facilitate V2V/V2G/G2V/V2H Connectivity for Future Grid Infrastructure. IEEE Transactions on Industry Applications, 2022, 58, 951-961.	4.9	9
134	Z-transform electromagnetic transient analysis in power systems. IEE Proceedings C: Generation Transmission and Distribution, 1980, 127, 370.	0.3	8
135	Using battery energy storage system in a deregulated environment to improve power system performance. , 0, , .		8
136	Analysis of Network Asymmetry of Interconnected 66kV Sub-transmission Systems in relation to Voltage Unbalance. , 2007, , .		8
137	Effectiveness of traditional mitigation strategies for neutral current and voltage problems under high penetration of rooftop PV. , 2013, , .		8
138	Mitigation of rapid voltage variations caused by passing clouds in distribution networks with solar PV using energy storage. , 2014, , .		8
139	Analyzing the impacts of charging plug-in electric vehicles in low voltage distribution networks: A case study of utilization of droop charging control system based on the SAE J1772 Standard. , 2017, , .		8
140	Design and Implementation of Amorphous Magnetic Material Common Magnetic Bus for the Replacement of Common DC Bus. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	8
141	Protecting PFC Capacitors from Overvoltage Caused by Harmonics and System Resonance Using High Temperature Superconducting Reactors. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	8
142	Calculation of the Voltage Sag Recovery Point-on-Wave and Sag Duration Using System Parameter. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	8
143	Design of a Multiloop Control Structure for Load-Disturbance Attenuation and Power-Mismatch Mitigation in Isolated Multiport Power Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 8984-8996.	7.9	8
144	Dynamic Electrical Equivalent Model of Proton Exchange Membrane Electrolyzer. , 2021, , .		8

#	ARTICLE	IF	CITATIONS
145	A method of reducing harmonic contents for SPWM. , 1999, , .		7
146	Multiple and fractional voltage conversion ratios for switched-capacitor resonant converters. , 0, , .		7
147	Calculation of inductances of high frequency air-core transformers with superconductor windings for DC-DC converters. IET Electric Power Applications, 2003, 150, 447.	1.4	7
148	Storage power flow controller using battery storage. IET Generation, Transmission and Distribution, 2003, 150, 727.	1.1	7
149	Novel modulation and control strategy for five-level ANPC converter with unbalanced DC voltage applied to a single-phase grid connected PV system. , 2013, , .		7
150	Characterization of amorphous soft magnetic materials for toroidal core multi-winding medium frequency transformers. , 2017, , .		7
151	Assessment of Protective Device Sensitivity with Increasing Penetration of Distributed Energy Resources. , 2018, , .		7
152	Investigation of the Magnetic Response of a Nanocrystalline High-Frequency Magnetic Link With Multi-Input Excitations. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	7
153	Automated Segmentation of the Voltage sag Signal Using Hilbert Huang Transform to Calculate and Characterize the Phase Angle Jump. , 2019, , .		7
154	Enhancement of FRT Capability of DFIG Based Wind Farm by a Hybrid Superconducting Fault Current Limiter With Bias Magnetic Field. , 2020, , .		7
155	A Saturated Amorphous Alloy Core-Based Inrush Current Limiter to Eliminate Inrush Currents and Restrain Harmonics during Transformer Energization. IEEE Transactions on Industry Applications, 2021, 57, 6634-6645.	4.9	7
156	The Grid Connection of Linear Machine-Based Wave Power Generators. , 2019, , 303-341.		7
157	Power system stabiliser using energy storage. , 0, , .		6
158	Simple structure for reactive power control of AC photovoltaic modules. , 2015, , .		6
159	Real-time State-of-charge Tracking System Using Mixed Estimation Algorithm for Electric Vehicle Battery System. , 2018, , .		6
160	A Novel Application of Magnesium Di-Boride Superconducting Energy Storage to Mitigate the Power Fluctuations of Single-Phase PV Systems. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	6
161	A Novel Voltage Clamping-Based Overvoltage Protection Strategy to Avoid Spurious Trip of Inverter-Based Resources and Eliminate the Risk of Wildfire Following the REFCL Operation in Compensated Networks. IEEE Transactions on Industry Applications, 2021, 57, 4558-4568.	4.9	6
162	Overcurrent Protection Scheme for the IEEE 13-Node Benchmark Test Feeder with Improved Selectivity. , 2020, , .		6

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163	A Novel Universal Magnetic Power Plug to Facilitate V2V/V2G/G2V/V2H Connectivity for Future Grid Infrastructure. , 2020, , .		6
164	A Novel Configuration of a Hybrid Wind-Wave Energy Harvesting System for a Remote Island. , 2021, , .		6
165	A Hierarchical Service Restoration Framework for Unbalanced Active Distribution Networks Based on DSO and VPP Coordination. IEEE Transactions on Industry Applications, 2022, 58, 1756-1770.	4.9	6
166	An Investigative Analysis of the Protection Performance of Unbalanced Distribution Networks With Higher Concentration of Distributed Energy Resources. IEEE Transactions on Industry Applications, 2022, 58, 1771-1782.	4.9	6
167	Electricity pricing Optimal operation and investment by industrial consumers. Energy Policy, 1988, 16, 384-393.	8.8	5
168	Radial Voltage Stability. , 0, , .		5
169	A new technique for three-phase active power filter. , 0, , .		5
170	A New Load Shedding Scheme for Limiting Underfrequency. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1993, 26, 813-816.	0.4	5
171	Uncertainty in electricity supply controlled by energy storage. , 0, , .		5
172	A new topology of a battery energy storage system. , 0, , .		5
173	Adaptive B-spline network control for three-phase PWM AC-DC voltage source converter. , 1999, , .		5
174	EMTP simulation of a STATCOM using hysteresis current control. , 1999, , .		5
175	Energy storage system to improve power quality and system reliability. , 0, , .		5
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