

Danny Sutanto

List of Publications by Year in descending order

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298
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times ranked

4817
citing authors

#	ARTICLE	IF	CITATIONS
1	An Advanced Modulation Technique for Transformerless Grid Connected Inverter Circuits Used in Solar Photovoltaic Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 3878-3887.	7.9	3
2	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
3	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
4	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
5	A Magnetic Linked Multiport Fractional Converter for Application to Variable Speed Wind Power Generating Systems. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 321-331.	3.9	4
6	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
7	Quantifying the reduction in power variability of co-located offshore wind-wave farms. Renewable Energy, 2022, 185, 1018-1033.	8.9	16
8	Improving the Thermal Performance of Rotor-Side Converter of Doubly Fed Induction Generator Wind Turbine While Operating Around Synchronous Speed. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 298-307.	3.9	3
9	Improvement of Transient Stability of the Power Networks by an Intelligent Autoreclosing Scheme in the Presence of Synchronous-Based DGs. IEEE Transactions on Industry Applications, 2022, 58, 1783-1796.	4.9	2
10	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
11	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
12	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
13	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
14	A Cooperative Planning Framework for Enhancing Resilience of Active Distribution Networks With Integrated VPPs Under Catastrophic Emergencies. IEEE Transactions on Industry Applications, 2022, 58, 3029-3043.	4.9	2
15	Integration of a Wind-Wave Hybrid Energy System with the Distribution Network. , 2022, , .		3
16	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
17	High-Frequency Ripple Injection Signals for the Effective Utilization of Residential EV Storage in Future Power Grids With Rooftop PV System. IEEE Transactions on Industry Applications, 2022, 58, 6655-6665.	4.9	5
18	Dynamic Electrical Equivalent Circuit Modeling of the Grid-Scale Proton Exchange Membrane Electrolyzer for Ancillary Services. IEEE Transactions on Industry Applications, 2022, , 1-7.	4.9	1

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	Application of the Automatic Segmented Hilbert Huang Transform Method for the Evaluation of the Single-Event Characteristics of Voltage Sags in Power Systems. IEEE Transactions on Industry Applications, 2021, 57, 1882-1891.	4.9	4
25	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
26	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
27	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
28	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
29	Shunt Active DC Filter to Reduce the DC-Link Ripple Current Caused by Power Converters to Improve the Lifetime of Aluminum Electrolytic Capacitors. IEEE Transactions on Industry Applications, 2021, 57, 4306-4315.	4.9	5
30	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
31	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
32	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
33	Modeling and Design of a Multiport Magnetic Bus-Based Novel Wind-Wave Hybrid Ocean Energy Technology. IEEE Transactions on Industry Applications, 2021, 57, 5400-5410.	4.9	4
34	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
35	Optimization of a Grid-Connected Microgrid Using Tidal and Wind Energy in Cook Strait. Fluids, 2021, 6, 426.	1.7	9
36	Voltage Control Set-Point Optimization of Renewable Generating Units to Minimize the Power Losses in Electricity Networks. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Parameter Design and Performance Analysis of a Saturated Amorphous Alloy Core Based Fault Current Limiter for Power Grid Applications. , 2021, , .		1
38	Frequency Control Ancillary Services using Energy Storage in the Co-Optimized Energy Markets under Price Uncertainty. , 2021, , .		2
39	A Resilient Sequential Service Restoration Framework for Unbalanced Active Distribution Networks under System Uncertainties. , 2021, , .		1
40	An Adaptive Protection Scheme for Dual-Setting Directional Recloser and Fuse Coordination for Distribution Grids with Distributed Generation. , 2021, , .		1
41	Improvement of Transient Stability of the Power Grids by a Judicious Auto-Reclosing Scheme in the Presence of Synchronous-Based DGs. , 2021, , .		3
42	A Novel Earth Fault Detection Scheme to Empower Distance Protection during Asymmetrical Power Swings with Inverter based Resources. , 2021, , .		1
43	A Novel Configuration of a Hybrid Wind-Wave Energy Harvesting System for a Remote Island. , 2021, , .		6
44	A Cooperative Planning Approach for Resilient Operation of Active Distribution Networks Integrated with VPPs under Catastrophic Emergencies. , 2021, , .		1
45	Risk of Loss of Protection Coordination in Distribution Grids with High Penetration of Distributed Energy Resources. , 2021, , .		3
46	Controller Design for Grid Forming Inverter-Based Power Generating Systems to Behave as Synchronous Machines. , 2021, , .		2
47	Dynamic Electrical Equivalent Model of Proton Exchange Membrane Electrolyzer. , 2021, , .		8
48	Modelling Ocean Waves and an Investigation of Ocean Wave Spectra for the Wave-to-Wire Model of Energy Harvesting. , 2021, 12, .		1
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	A Parallel Evolutionary Strategy for the Large-Scale Dynamic Optimal Reactive Power Flow. , 2020, , .		3
61	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
62	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
63	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
64	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
65	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
66	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
67	Enhancement of FRT Capability of DFIG Based Wind Farm by a Hybrid Superconducting Fault Current Limiter With Bias Magnetic Field. , 2020, , .		7
68	Alleviation of Voltage Variations Introduced by Unbalanced Allocation of Single-phase Loads in a Distribution Network Integrated with PVs and PEVs. , 2020, , .		4
69	An Energy Management Strategy with Advanced Power Electronic Converter and Control to Achieve Energy Resiliency and Minimum Operating Cost. , 2020, , .		2
70	Overcurrent Protection Scheme for the IEEE 13-Node Benchmark Test Feeder with Improved Selectivity. , 2020, , .		6
71	Hidden Protection Challenges of Unbalanced Distributed Networks for Higher Concentration of Distributed Energy Resources. , 2020, , .		4
72	IoT Remote Control of Plug-in Electric Vehicle Charging Loads for Smart Energy Management of Virtual Power Plants. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
73	A Bi-level Energy Management Model for Energy Transactions from VPP based Integrated Energy Systems under System Uncertainties. , 2020, , .		4
74	A Power Balance Control Architecture for Multiple Active Bridge Converter in a SolidState Transformer. , 2020, , .		2
75	A Novel Voltage Clamping based Overvoltage Protection Strategy to Avoid Spurious Trip of Inverter based Resources and Eliminate the Risk of Bushfires following the REFCL Operation. , 2020, , .		0
76	An Adaptive Grounding Scheme for Synchronous Based DG to Prevent the Generator Damage during Ground Faults under Different Operating Modes. , 2020, , .		3
77	Adaptive and Predictive Energy Management Strategy for Online Optimal Power Dispatch from VPPs with Renewable Energy and Energy Storage. , 2020, , .		1
78	Shunt Active DC Filter to Reduce the DC Link Ripple Current Caused by Power Converters to Improve the Lifetime of Aluminium Electrolytic Capacitor. , 2020, , .		0
79	Rooftop Photovoltaic System with Battery Storage to Supply Power in a Sewage Water Pumping Station based Industrial Microgrid with Zero Grid Power. , 2020, , .		1
80	A Saturated Amorphous Alloy Core-based Inrush Current Limiter. , 2020, , .		3
81	A Saturated Amorphous Alloy Core Based Smart Fault Current Limiter for Improving the Low Voltage Ride Through Capability of Distributed Generation Units. , 2020, , .		3
82	High Frequency Ripple Injection Signals for the Effective Utilization of Residential EV Storage in Future Power Grids with Rooftop PV System. , 2020, , .		2
83	A Novel Universal Magnetic Power Plug to Facilitate V2V/V2G/G2V/V2H Connectivity for Future Grid Infrastructure. , 2020, , .		6
84	Modeling and Design of a Multiport Magnetic Bus Based Novel Wind-Wave Hybrid Ocean Energy Generation Technology. , 2020, , .		4
85	Assessment of Available Ocean Energy Resources and the Selection of the Conversion Technology for a Hybrid Wind-Wave Farm in a Coastal Site of Australia. , 2020, , .		5
86	A Control Strategy to Mitigate the Sensitivity Deterioration of Overcurrent Protection in Distribution Networks with the Higher Concentration of Synchronous and Inverter Based DG Units. , 2020, , .		1
87	Application of a Dual-slope Delta Modulated Current Source Inverter in a Dynamic Voltage Restorer to Mitigate Voltage Sags. , 2020, , .		0
88	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
89	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
90	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

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91	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
92	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
93	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
94	Characterization of amorphous magnetic materials under high-frequency non-sinusoidal excitations. AIP Advances, 2019, 9, 035004.	1.3	4
95	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
96	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
97	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
98	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
99	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
100	Online Sequential Extreme Learning Machine Algorithm for Better Prediction of the Real-time Electricity Price under Dynamic Environmental Changes. , 2019, , .		5
101	An Advanced Control Strategy for a Smooth Integration of Linear Generator Based Wave Energy Conversion System with Distribution Power Grids. , 2019, , .		13
102	Time Series Variations of the Neutral-to-Ground Potential in a 4-Wire LV Network under Unbalanced Allocation of Rooftop Solar PV and Mitigation using Energy Storage. , 2019, , .		0
103	An On-Board V2X Electric Vehicle Charger Based on Amorphous Alloy High-Frequency Magnetic-Link and SiC Power Devices. , 2019, , .		3
104	A Five Level Gird-Connected ANPC Inverter with a Novel Energy Transfer Strategy for Battery Energy Storage Systems. , 2019, , .		2
105	A New Magnetic Linked Active Neutral Point Clamp Converter for Transformer-less Direct Grid Integration of Solar Photovoltaic Systems. , 2019, , .		1
106	An Integrated Energy Management Approach for the Economic Operation of Industrial Microgrids under Uncertainty of Renewable Energy. , 2019, , .		5
107	Automated Segmentation of the Voltage sag Signal Using Hilbert Huang Transform to Calculate and Characterize the Phase Angle Jump. , 2019, , .		7
108	Detection and Characterization of the Instantaneous Point-on-wave of Voltage Sags in terms of Point of Inception and Point of Recovery. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	The Grid Connection of Linear Machine-Based Wave Power Generators. , 2019, , 303-341.		7
117	Advanced Modelling and Performance Analysis of Permanent Magnet Linear Generators. , 2019, , 37-71.		1
118	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
119	A Novel Renewable Intermittency Smoothing Technique with Magnesium Di-boride Superconductor Energy Storage. , 2018, , .		0
120	Real-time estimation of model parameters and state-of-charge of lithiumion batteries in electric vehicles using recursive least-square with forgetting factor. , 2018, , .		5
121	Assessment of Protective Device Sensitivity with Increasing Penetration of Distributed Energy Resources. , 2018, , .		7
122	Minimization of the Thermal Stress on the Rotor Side Converter of DFIG while Operating Around Synchronous Speed. , 2018, , .		4
123	Three Phase Power Flow Analysis of Distribution Network Performance with High Penetration of Single Phase PV units Integrated with Energy Storage System. , 2018, , .		3
124	Decision Making for Environmental/Economic Dispatch Based on Optimal Power Flow. , 2018, , .		1
125	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
126	Suboptimal Power Point Tracking for Frequency Response of PMSG Based Wind Turbines in Remote Area Power Supply Systems. , 2018, , .		1

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127	Advance Switching Technique for Single Phase Voltage Source Inverters. , 2018, , .		2
128	Direct Control of Plug-in Electric Vehicle Charging Load Using an In-house Developed Intermediate Control Unit. , 2018, , .		5
129	A Novel Active Neutral Point Clamped Multilevel Converter with an Advanced Switching Technique for Grid Integration of Solar Photovoltaic Systems. , 2018, , .		9
130	A Solar Powered EV Charging or Discharging Facility to Support Local Power Grids. , 2018, , .		11
131	Real-time State-of-charge Tracking System Using Mixed Estimation Algorithm for Electric Vehicle Battery System. , 2018, , .		6
132	An Effective Power Dispatch Strategy to Improve Generation Schedulability by Mitigating Wind power Uncertainty with a Data Driven flexible Dispatch Margin for a Wind Farm using a Multi-Unit Battery Energy Storage System. , 2018, , .		5
133	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
134	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
135	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
136	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
137	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
138	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
139	The state of the art of battery charging infrastructure for electrical vehicles: Topologies, power control strategies, and future trend. , 2017, , .		28
140	Performance analysis of symmetric and asymmetric multilevel converters. , 2017, , .		9
141	Performance analysis of switching techniques for asymmetric multilevel inverters. , 2017, , .		3
142	Characterization of amorphous soft magnetic materials for toroidal core multi-winding medium frequency transformers. , 2017, , .		7
143	Harmonic distorted modified triangular wave pulse width modulation for multilevel converters. , 2017, , .		1
144	An electric circuit based EV battery model for runtime prediction and state of charge tracking. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
145	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
146	Novel methodology to simultaneously mitigate fast and slow voltage fluctuations of voltage profile in distribution feeder using battery storage. , 2017, , .		0
147	A robust power management strategy entrenched with multi-mode control features for an integrated residential PV and energy storage system to take the advantage of time-of-use electricity pricing. , 2017, , .		4
148	The sizing of battery energy storage for the mitigation of slow and fast fluctuations in rooftop solar PV output. , 2017, , .		0
149	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
150	Design and control of a boost inverter based multi-input converter. , 2016, , .		4
151	Improving the power system stabilizer dynamic characteristics in an uncertain environment using an optimal robust controller. , 2016, , .		0
152	A buck-boost converter based multi-input DC-DC/AC converter. , 2016, , .		14
153	Improved estimation of the impact of regenerative braking on electric vehicle range. , 2016, , .		2
154	A novel topology for integration of solar PV and energy storage system. , 2016, , .		1
155	An intelligent driver alerting system for real-time range indicator embedded in electric vehicles. , 2016, , .		5
156	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
157	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
158	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
159	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
160	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
161	A new approach to reduce the expected energy not supplied in a power plant located in a non-expandable transmission system. , 2015, , .		1
162	A new approach to reduce the non-linear characteristics of a stressed power system by using the normal form technique in the control design of the excitation system. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
163	High-voltage gain quadratic boost converter with voltage multiplier. IET Power Electronics, 2015, 8, 2511-2519.	2.1	86
164	Improving fault ride-through capability of DFIG based wind generators by using bridge-type superconducting fault current limiter. , 2015, , .		5
165	A four-port DC-DC converter to integrate energy storage system and solar PV to supply the grid and local load demand. , 2015, , .		4
166	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
167	Smart Grid and its future perspectives in Australia. Renewable and Sustainable Energy Reviews, 2015, 51, 1375-1389.	16.4	46
168	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
169	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
170	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
171	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
172	Simple structure for reactive power control of AC photovoltaic modules. , 2015, , .		6
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