Juan C Vasquez

List of Publications by Year
in descending order

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467 papers	30,843 citations	6613 79 h-index	5394 164 g-index
470 all docs	470 docs citations	470 times ranked	11631 citing authors

#	Article	IF	Citations
1	Optimization-Based Power and Energy Management System in Shipboard Microgrid: A Review. IEEE Systems Journal, 2022, 16, 578-590.	4.6	55
2	Cyberattack Detection for Converter-Based Distributed dc Microgrids: Observer-Based Approaches. IEEE Industrial Electronics Magazine, 2022, 16, 67-77.	2.6	17
3	Using deep learning and meteorological parameters to forecast the photovoltaic generators intra-hour output power interval for smart grid control. Energy, 2022, 239, 122116.	8.8	27
4	Decentralized transactive energy community in edge grid with positive buildings and interactive electric vehicles. International Journal of Electrical Power and Energy Systems, 2022, 135, 107510.	5.5	47
5	Stability Enhancement of Grid-Connected Inverters Using Weighted Average Current Control Method. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 694-703.	3.9	3
6	An online energy management system for AC/DC residential microgrids supported by non-intrusive load monitoring. Applied Energy, 2022, 307, 118136.	10.1	24
7	Power quality assessment using signal periodicity independent algorithms â€“ A shipboard microgrid case study. Applied Energy, 2022, 307, 118151.	10.1	2
8	Open-Loop Synchronization Systems for Grid-Tied Power Converters: Literature Overview, Design Considerations, Advantages, and Disadvantages. IEEE Industrial Electronics Magazine, 2022, 16, 14-22.	2.6	4
9	A Review of DC Shipboard Microgridsâ€”Part I: Power Architectures, Energy Storage, and Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 5155-5172.	7.9	78
10	An Integrated Synchronization and Control Strategy for Parallel-Operated Inverters Based on Vâ€“I Droop Characteristics. IEEE Transactions on Power Electronics, 2022, 37, 5373-5384.	7.9	3
11	A Frequency Independent Technique to Estimate Harmonics and Interharmonics in Shipboard Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 888-899.	9.0	10
12	In-Loop Filters and Prefilters in Phase-Locked Loop Systems: Equivalent or Different Solutions?. IEEE Industrial Electronics Magazine, 2022, 16, 23-35.	2.6	5
13	Microgrid Digital Twins: Concepts, Applications, and Future Trends. IEEE Access, 2022, 10, 2284-2302.	4.2	68
14	A Review of DC Shipboard Microgridsâ€”Part II: Control Architectures, Stability Analysis, and Protection Schemes. IEEE Transactions on Power Electronics, 2022, 37, 4105-4120.	7.9	54
15	Impedance Modeling of Three-Phase Grid-Connected Voltage Source Converters With Frequency-Locked-Loop-Based Synchronization Algorithms. IEEE Transactions on Power Electronics, 2022, 37, 4511-4525.	7.9	16
16	Optimal Configuration and Sizing of Seaport Microgrids including Renewable Energy and Cold Ironingâ€”The Port of Aalborg Case Study. Energies, 2022, 15, 431.	3.1	17
17	A Non-Isolated High Step-Up DC-DC Converter Using Voltage Lift Technique: Analysis, Design, and Implementation. IEEE Access, 2022, 10, 6338-6347.	4.2	39
18	Hierarchically controlled ecological life support systems. Computers and Chemical Engineering, 2022, 157, 107625.	3.8	1

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19	False Data Injection Cyber-Attacks Detection for Multiple DC Microgrid Clusters. Applied Energy, 2022, 310, 118425.	10.1	30
20	LTP Modeling and Stability Assessment of Multiple Second-Order Generalized Integrator-Based Signal Processing/Synchronization Algorithms and Their Close Variants. IEEE Transactions on Power Electronics, 2022, 37, 5062-5077.	7.9	10
21	Deep Learning-Based Probabilistic Autoencoder for Residential Energy Disaggregation: An Adversarial Approach. IEEE Transactions on Industrial Informatics, 2022, 18, 8399-8408.	11.3	11
22	Energy management system for a hybrid PV-Wind-Tidal-Battery-based islanded DC microgrid: Modeling and experimental validation. Renewable and Sustainable Energy Reviews, 2022, 159, 112093.	16.4	28
23	Dynamic voltage restore based on switched-capacitor multilevel inverter with ability to compensate for voltage drop, harmonics, and unbalancing simultaneously. Electric Power Systems Research, 2022, 207, 107826.	3.6	17
24	Adaptive Power Management of Hierarchical Controlled Hybrid Shipboard Microgrids. IEEE Access, 2022, 10, 21397-21411.	4.2	15
25	Optimized Control Strategy for Photovoltaic Hydrogen Generation System with Particle Swarm Algorithm. Energies, 2022, 15, 1472.	3.1	8
26	Electric Vehicle Charging Load Allocation at Residential Locations Utilizing the Energy Savings Gained by Optimal Network Reconductoring. Smart Cities, 2022, 5, 177-205.	9.4	8
27	Stability Boundary Analysis of Islanded Droop-Based Microgrids Using an Autonomous Shooting Method. Energies, 2022, 15, 2120.	3.1	1
28	Event-triggered distributed voltage regulation by heterogeneous BESS in low-voltage distribution networks. Applied Energy, 2022, 312, 118597.	10.1	11
29	Towards collective energy Community: Potential roles of microgrid and blockchain to go beyond P2P energy trading. Applied Energy, 2022, 314, 119003.	10.1	52
30	A Reference-Feedforward-Based Damping Method for Virtual Synchronous Generator Control. IEEE Transactions on Power Electronics, 2022, 37, 7566-7571.	7.9	22
31	Electric cars, ships, and their charging infrastructure â€“ A comprehensive review. Sustainable Energy Technologies and Assessments, 2022, 52, 102177.	2.7	17
32	P2P energy trading: Blockchain-enabled P2P energy society with multi-scale flexibility services. Energy Reports, 2022, 8, 3614-3628.	5.1	41
33	Power-flow-based energy management of hierarchically controlled islanded AC microgrids. International Journal of Electrical Power and Energy Systems, 2022, 141, 108140.	5.5	25
34	A distributed real-time power management scheme for shipboard zonal multi-microgrid system. Applied Energy, 2022, 317, 119072.	10.1	11
35	A Comprehensive Review on Small Satellite Microgrids. IEEE Transactions on Power Electronics, 2022, 37, 12741-12762.	7.9	22
36	Energy Optimization of Air Handling Units Using Constrained Predictive Controllers Based on Dynamic Neural Networks. IEEE Access, 2022, 10, 56578-56590.	4.2	2

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37	Distributed Event-Triggered Optimal Control Method for Heterogeneous Energy Storage Systems in Smart Grid. IEEE Transactions on Sustainable Energy, 2022, 13, 1944-1956.	8.8	5
38	A Review of Grid Code Requirements for the Integration of Renewable Energy Sources in Ethiopia. Energies, 2022, 15, 5197.	3.1	0
39	A Cascaded H-Bridge With Integrated Boosting Circuit. IEEE Transactions on Power Electronics, 2021, 36, 18-22.	7.9	13
40	Virtual Resistance Tradeoff Design for DCMG Grid-Forming Converters Considering Static- and Large-Signal Dynamic Constraints. IEEE Transactions on Power Electronics, 2021, 36, 5582-5593.	7.9	10
41	A Microgrid Energy Management System Based on Non-Intrusive Load Monitoring via Multitask Learning. IEEE Transactions on Smart Grid, 2021, 12, 977-987.	9.0	87
42	Comprehensive power flow modelling of hierarchically controlled AC/DC hybrid islanded microgrids. International Journal of Electrical Power and Energy Systems, 2021, 127, 106629.	5.5	10
43	A Linear Quadratic Regulator With Optimal Reference Tracking for Three-Phase Inverter-Based Islanded Microgrids. IEEE Transactions on Power Electronics, 2021, 36, 7112-7122.	7.9	37
44	Digitalization and decentralization driving transactive energy Internet: Key technologies and infrastructures. International Journal of Electrical Power and Energy Systems, 2021, 126, 106593.	5.5	78
45	Inverter Parallelization for an Islanded Microgrid Using the Hopf Oscillator Controller Approach With Self-Synchronization Capabilities. IEEE Transactions on Industrial Electronics, 2021, 68, 10879-10889.	7.9	16
46	dq-Frame Impedance Modeling of Three-Phase Grid-Tied Voltage Source Converters Equipped With Advanced PLLs. IEEE Transactions on Power Electronics, 2021, 36, 3524-3539.	7.9	45
47	Linear Time-Periodic Modeling, Examination, and Performance Enhancement of Grid Synchronization Systems With DC Component Rejection/Estimation Capability. IEEE Transactions on Power Electronics, 2021, 36, 4237-4253.	7.9	20
48	System-Level Large-Signal Stability Analysis of Droop-Controlled DC Microgrids. IEEE Transactions on Power Electronics, 2021, 36, 4224-4236.	7.9	45
49	Harmonic Linearization and Investigation of Three-Phase Parallel-Structured Signal Decomposition Algorithms in Grid-Connected Applications. IEEE Transactions on Power Electronics, 2021, 36, 4198-4213.	7.9	22
50	LTP Modeling of Single-Phase $T/4$ Delay-Based PLLs. IEEE Transactions on Industrial Electronics, 2021, 68, 9003-9008.	7.9	11
51	Passivity Enhancement of Voltage-Controlled Inverters in Grid-Connected Microgrids Considering Negative Aspects of Control Delay and Grid Impedance Variations. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6637-6649.	5.4	19
52	Standard SOGI-FLL and Its Close Variants: Precise Modeling in LTP Framework and Determining Stability Region/Robustness Metrics. IEEE Transactions on Power Electronics, 2021, 36, 409-422.	7.9	70
53	High-Frequency Modeling and Filter Design for PWM Drives with Long Cables. Energies, 2021, 14, 1155.	3.1	2
54	A Cascaded DC-AC-AC Grid-Tied Converter for PV Plants with AC-Link. Electronics (Switzerland), 2021, 10, 409.	3.1	7

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55	Stability Enhancement of Inverters in Grid-Connected Microgrids Using FIR Filter. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 122-131.	3.9	8
56	A Robust Method for Controlling Grid-Connected Inverters in Weak Grids. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1333-1337.	3.0	17
57	Attack detection design for dc microgrid using eigenvalue assignment approach. Energy Reports, 2021, 7, 469-476.	5.1	18
58	An Accurate Physical Model for PV Modules With Improved Approximations of Series-Shunt Resistances. IEEE Journal of Photovoltaics, 2021, 11, 699-707.	2.5	7
59	Effective Controls of Fixed Capacitor-Thyristor Controlled Reactors for Power Quality Improvement in Shipboard Microgrids. IEEE Transactions on Industry Applications, 2021, 57, 2838-2849.	4.9	8
60	Smart-Building Applications: Deep Learning-Based, Real-Time Load Monitoring. IEEE Industrial Electronics Magazine, 2021, 15, 4-15.	2.6	10
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62	AC Microgrids Protection: A Digital Coordinated Adaptive Scheme. Applied Sciences (Switzerland), 2021, 11, 7066.	2.5	4
63	Design of Cost-Effective Compensators to Enhance Voltage Stability and Harmonics Contamination of High-Power More Electric Marine Vessels. IEEE Transactions on Industry Applications, 2021, 57, 4130-4142.	4.9	2
64	Droop K-Sharing Function for Energy Management of DC Microgrids. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 257-266.	3.9	1
65	Large-Signal Stability Improvement of DC-DC Converters in DC Microgrid. IEEE Transactions on Energy Conversion, 2021, 36, 2534-2544.	5.2	56
66	Message Queuing Telemetry Transport Communication Infrastructure for Grid-Connected AC Microgrids Management. Energies, 2021, 14, 5610.	3.1	5
67	Coordinated Control of Diesel Generators and Batteries in DC Hybrid Electric Shipboard Power System. Energies, 2021, 14, 6246.	3.1	9
68	A comprehensive overview of framework for developing sustainable energy internet: From things-based energy network to services-based management system. Renewable and Sustainable Energy Reviews, 2021, 150, 111409.	16.4	41
69	Energy management system optimization in islanded microgrids: An overview and future trends. Renewable and Sustainable Energy Reviews, 2021, 149, 111327.	16.4	75
70	Improved direct model predictive control for variable magnitude variable frequency wave energy converter connected to constant power load. Journal of Energy Storage, 2021, 43, 103175.	8.1	12
71	A Communication-Less Multimode Control Approach for Adaptive Power Sharing in Ship-Based Seaport Microgrid. IEEE Transactions on Transportation Electrification, 2021, 7, 3070-3082.	7.8	28
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74	DC-Link Voltage Control Aided for the Inertial Support During Severe Faults in Weak Grids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7296-7305.	5.4	9
75	LoRa Enabled Smart Inverters for Microgrid Scenarios with Widespread Elements. Electronics (Switzerland), 2021, 10, 2680.	3.1	2
76	A Comparison of Fixed-Parameter Active-Power-Oscillation Damping Solutions for Virtual Synchronous Generators. , 2021, , .		6
77	An Overview of Grid-Forming Control for Wind Turbine Converters. , 2021, , .		1
78	Modified Virtual Inertia Mechanism Based ESS for A real Multi-Source Power System Application: the Egyptian Grid. , 2021, , .		2
79	A Review of the Conceptualization and Operational Management of Seaport Microgrids on the Shore and Seaside. Energies, 2021, 14, 7941.	3.1	14
80	State of Charge Balance of Distributed Batteries in DC Shipboard Microgrids. , 2021, , .		1
81	A novel modulation for Adaptive Control Issue-Based Optimization Techniques: Balloon Effect. , 2021, , .		3
82	Robust PID-PSS Design for Stability Improvment of Grid-Tied HydroTurbine Generator. , 2021, , .		8
83	Passivity-Based Design of Plug-and-Play Current-Controlled Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2020, 35, 2135-2150.	7.9	69
84	Is Using A Complex Control Gain in Three-Phase FLLs Reasonable?. IEEE Transactions on Industrial Electronics, 2020, 67, 2480-2484.	7.9	19
85	A Hybrid Compensator Configuration for VAR Control and Harmonic Suppression in All-Electric Shipboard Power Systems. IEEE Transactions on Power Delivery, 2020, 35, 1379-1389.	4.3	15
86	All-Pass-Filter-Basedâ€‰PLLâ€‰Systems:â€‰Linearâ€‰Modeling, Analysis, and Comparative Evaluation. IEEE Transactions on Power Electronics, 2020, 35, 3558-3572.	7.9	56
87	Power quality issues of smart microgrids: applied techniques and decision making analysis. , 2020, , 89-119.		21
88	General High-Frequency-Link Analysis and Application of Dual Active Bridge Converters. IEEE Transactions on Power Electronics, 2020, 35, 8673-8688.	7.9	11
89	A Resolution-Enhanced Sliding Matrix Pencil Method for Evaluation of Harmonics Distortion in Shipboard Microgrids. IEEE Transactions on Transportation Electrification, 2020, 6, 1290-1300.	7.8	7
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92	Sustainable Rural Electrification Through Solar PV DC Microgridsâ€"An Architecture-Based Assessment. Processes, 2020, 8, 1417.	2.8	20
93	Stochastic Predictive Energy Management of Multi-Microgrid Systems. Applied Sciences (Switzerland), 2020, 10, 4833.	2.5	41
94	A Deep Learning Method for Short-Term Dynamic Positioning Load Forecasting in Maritime Microgrids. Applied Sciences (Switzerland), 2020, 10, 4889.	2.5	6
95	Demand Response Service Certification and Customer Baseline Evaluation Using Blockchain Technology. IEEE Access, 2020, 8, 139313-139331.	4.2	21
96	Harmonics Mitigation in Hybrid AC/DC Shipboard Microgrids Using Fixed Capacitor-Thyristor Controlled Reactors. , 2020, , .		3
97	Self-directed Energy Management System for an Islanded Cube Satellite Nanogrid. , 2020, , .		7
98	A Spring Search Algorithm Applied to Engineering Optimization Problems. Applied Sciences (Switzerland), 2020, 10, 6173.	2.5	105
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100	A New â€œDoctor and Patientâ€•Optimization Algorithm: An Application to Energy Commitment Problem. Applied Sciences (Switzerland), 2020, 10, 5791.	2.5	42
101	Dynamic Modeling of Multiple Microgrid Clusters Using Regional Demand Response Programs. Energies, 2020, 13, 4050.	3.1	11
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103	A Dual-input Multi-label Classification Approach for Non-Intrusive Load Monitoring via Deep Learning. , 2020, , .		2
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105	Space Microgrids: New Concepts on Electric Power Systems for Satellites. IEEE Electrification Magazine, 2020, 8, 8-19.	1.8	15
106	Power Management Strategy Based on Virtual Inertia for DC Microgrids. IEEE Transactions on Power Electronics, 2020, 35, 12472-12485.	7.9	93
107	Passivity-Based Design of Grid-Side Current-Controlled LCL-Type Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2020, 35, 9813-9823.	7.9	48
108	Recent Developments and Challenges on AC Microgrids Fault Detection and Protection Systemsâ€"A Review. Energies, 2020, 13, 2149.	3.1	49

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109	Operation Control for Improving Energy Efficiency of Shipboard Microgrid Including Bow Thrusters and Hybrid Energy Storages. IEEE Transactions on Transportation Electrification, 2020, 6, 856-868.	7.8	34
110	Power management techniques for grid-connected DC microgrids: A comparative evaluation. Applied Energy, 2020, 269, 115057.	10.1	47
111	Accurate proportional power sharing with minimum communication requirements for inverter-based islanded microgrids. International Journal of Electrical Power and Energy Systems, 2020, 121, 106036.	5.5	19
112	Cascaded Multilevel PV Inverter With Improved Harmonic Performance During Power Imbalance Between Power Cells. IEEE Transactions on Industry Applications, 2020, 56, 2788-2798.	4.9	25
113	Review of Dynamic Positioning Control in Maritime Microgrid Systems. Energies, 2020, 13, 3188.	3.1	19
114	Enhanced Intelligent Energy Management System for a Renewable Energy-Based AC Microgrid. Energies, 2020, 13, 3268.	3.1	8
115	Optimal allocation for combined heat and power system with respect to maximum allowable capacity for reduced losses and improved voltage profile and reliability of microgrids considering loading condition. Energy, 2020, 196, 117124.	8.8	62
116	Pinning-Based Hierarchical and Distributed Cooperative Control for AC Microgrid Clusters. IEEE Transactions on Power Electronics, 2020, 35, 9865-9885.	7.9	45
117	A Simple Method for Passivity Enhancement of Current Controlled Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2020, 35, 7735-7741.	7.9	22
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119	A Hankel Matrix Based Reduced Order Model for Stability Analysis of Hybrid Power System Using PSO-GSA Optimized Cascade PI-PD Controller for Automatic Load Frequency Control. IEEE Access, 2020, 8, 71422-71446.	4.2	92
120	IoT-enabled Microgrid for Intelligent Energy-aware Buildings: A Novel Hierarchical Self-consumption Scheme with Renewables. Electronics (Switzerland), 2020, 9, 550.	3.1	19
121	Coupling effect analysis and control for gridâ€connected multiâ€microgrid clusters. IET Power Electronics, 2020, 13, 1059-1070.	2.1	12
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123	Brief Survey on Attack Detection Methods for Cyber-Physical Systems. IEEE Systems Journal, 2020, 14, 5329-5339.	4.6	101
124	New Challenges in the Design of Microgrid Systems: Communication Networks, Cyberattacks, and Resilience. IEEE Electrification Magazine, 2020, 8, 98-106.	1.8	37
125	Convergence and Interoperability for the Energy Internet: From Ubiquitous Connection to Distributed Automation. IEEE Industrial Electronics Magazine, 2020, 14, 91-105.	2.6	19
126	Harmonics Rejection Capability Enhancement of Passive Power Filters for All-Electric-Shipboard Micro-Grids. , 2020, , .		0

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127	A Decentralized Control Scheme for Adaptive Power-Sharing in Ships based Seaport Microgrid. , 2020, , .		5
128	An IoT Platform-based Multi-objective Energy Management System for Residential Microgrids. , 2020, , .		2
129	Multimode Operation for On-Line Uninterruptible Power Supply System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1181-1196.	5.4	24
130	Power flow modeling of islanded AC microgrids with hierarchical control. International Journal of Electrical Power and Energy Systems, 2019, 105, 28-36.	5.5	52
131	Advanced Single-Phase DSC-Based PLLs. IEEE Transactions on Power Electronics, 2019, 34, 3226-3238.	7.9	32
132	Analysis and Comparison of Notch Filter and Capacitor Voltage Feedforward Active Damping Techniques for LCL Grid-Connected Converters. IEEE Transactions on Power Electronics, 2019, 34, 3958-3972.	7.9	81
133	Modeling and Stability Assessment of Single-Phase Grid Synchronization Techniques: Linear Time-Periodic Versus Linear Time-Invariant Frameworks. IEEE Transactions on Power Electronics, 2019, 34, 20-27.	7.9	32
134	Modeling and Tuning of Adaptive Complex Current Controller for Three-Phase Grid-Interfaced Power Converters. , 2019, , .		2
135	Battery Energy Storage Systems for Mitigating Fluctuations Caused by Pulse Loads and Propulsion Motors in Shipboard Microgrids. , 2019, , .		3
136	Adaptive CDSC-Based Open-Loop Synchronization Technique for Dynamic Response Enhancement of Active Power Filters. IEEE Access, 2019, 7, 96743-96752.	4.2	27
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138	Control of Hybrid Diesel/PV/Battery/Ultra-Capacitor Systems for Future Shipboard Microgrids. Energies, 2019, 12, 3460.	3.1	22
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140	Bumpless Optimal Control over Multi-Objective Microgrids with Mode-Dependent Controllers. Energies, 2019, 12, 3619.	3.1	5
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145	Adaptive protection combined with machine learning for microgrids. IET Generation, Transmission and Distribution, 2019, 13, 770-779.	2.5	115
146	Single-Phase Frequency-Locked Loops: A Comprehensive Review. IEEE Transactions on Power Electronics, 2019, 34, 11791-11812.	7.9	129
147	Single-Phase FLLs Based on Linear Kalman Filter, Limit-Cycle Oscillator, and Complex Bandpass Filter: Analysis and Comparison With a Standard FLL in Grid Applications. IEEE Transactions on Power Electronics, 2019, 34, 11774-11790.	7.9	34
148	Smart Inverters for Microgrid Applications: A Review. Energies, 2019, 12, 840.	3.1	79
149	An Effective Solution for Regeneration Protection in Uninterruptible Power Supply. IEEE Transactions on Industry Applications, 2019, 55, 3055-3065.	4.9	9
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152	Open IoT Infrastructures for In-Home Energy Management and Control. , 2019, , .		3
153	Enhanced Power Management System for Droop Control in a Grid Connected DC Microgrid. , 2019, , .		0
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155	Stability Improvement of Converter-side Current Controlled Grid-Connected Inverters. , 2019, , .		3
156	AC Microgrid Small-Signal Modeling: Hierarchical Control Structure Challenges and Solutions. IEEE Electrification Magazine, 2019, 7, 81-88.	1.8	26
157	Stability Analysis Considering Dual Physical Constraints of Parallel-connected Virtual Synchronous Generators forming Microgrids. , 2019, , .		2
158	VICINITY Platform-based Load Scheduling Method by Considering Smart Parking and Smart Appliance. , 2019, , .		3
159	Synchronization and Current Sharing for Nonlinear-oscillator-based Inverters in Islanded Three-phase Microgrid. , 2019, , .		9
160	Power Quality Assessment in Shipboard Microgrids Under Unbalanced and Harmonic AC Bus Voltage. IEEE Transactions on Industry Applications, 2019, 55, 765-775.	4.9	19
161	Coordinated Primary and Secondary Frequency Support Between Microgrid and Weak Grid. IEEE Transactions on Sustainable Energy, 2019, 10, 1718-1730.	8.8	18
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164	Distributed Average Integral Secondary Control for Modular UPS Systems-Based Microgrids. IEEE Transactions on Power Electronics, 2019, 34, 6922-6936.	7.9	35
165	DAVIC: A New Distributed Adaptive Virtual Impedance Control for Parallel-Connected Voltage Source Inverters in Modular UPS System. IEEE Transactions on Power Electronics, 2019, 34, 5953-5968.	7.9	40
166	Extended-Optimal-Power-Flow-Based Hierarchical Control for Islanded AC Microgrids. IEEE Transactions on Power Electronics, 2019, 34, 840-848.	7.9	39
167	A Study on Three-Phase FLLs. IEEE Transactions on Power Electronics, 2019, 34, 213-224.	7.9	84
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