

# Josep M Guerrero

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

783  
papers

40,194  
citations

94  
h-index

178  
g-index

810  
ext. papers

52,290  
ext. citations

5.9  
avg, IF

8.32  
L-index

#	Paper	IF	Citations
783	A Comprehensive Review of Control Strategies and Optimization Methods for Individual and Community Microgrids. <i>IEEE Access</i> , <b>2022</b> , 10, 15935-15955	3.5	4
782	Comprehensive Review on Renewable Energy Sources in Egypt: Current Status, Grid Codes and Future Vision. <i>IEEE Access</i> , <b>2022</b> , 10, 4081-4101	3.5	9
781	Optimal Configuration and Sizing of Seaport Microgrids including Renewable Energy and Cold Ironing: The Port of Aalborg Case Study. <i>Energies</i> , <b>2022</b> , 15, 431	3.1	3
780	Investment opportunities: Hydrogen production or BTC mining?. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 5733-5744	6.7	4
779	Hierarchically controlled ecological life support systems. <i>Computers and Chemical Engineering</i> , <b>2022</b> , 157, 107625	4	
778	False Data Injection Cyber-Attacks Detection for Multiple DC Microgrid Clusters. <i>Applied Energy</i> , <b>2022</b> , 310, 118425	10.7	3
777	LTP Modeling and Stability Assessment of Multiple Second-Order Generalized Integrator-Based Signal Processing/Synchronization Algorithms and Their Close Variants. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 5062-5077	7.2	4
776	Effect of Battery Degradation on the Probabilistic Optimal Operation of Renewable-Based Microgrids. <i>Electricity</i> , <b>2022</b> , 3, 53-74	1	2
775	Energy management system for a hybrid PV-Wind-Tidal-Battery-based islanded DC microgrid: Modeling and experimental validation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 159, 112093	16.2	2
774	Dynamic voltage restore based on switched-capacitor multilevel inverter with ability to compensate for voltage drop, harmonics, and unbalancing simultaneously. <i>Electric Power Systems Research</i> , <b>2022</b> , 207, 107826	3.5	1
773	Novel modular multilevel converter-based five-terminal MV/LV hybrid AC/DC microgrids with improved operation capability under unbalanced power distribution. <i>Applied Energy</i> , <b>2022</b> , 306, 118140	10.7	0
772	Microgrid Digital Twins: Concepts, Applications, and Future Trends. <i>IEEE Access</i> , <b>2022</b> , 10, 2284-2302	3.5	7
771	Stochastic optimal power flow in islanded DC microgrids with correlated load and solar PV uncertainties. <i>Applied Energy</i> , <b>2022</b> , 307, 118090	10.7	0
770	Stability of microgrid cluster with Diverse Energy Sources: A multi-objective solution using NSGA-II based controller. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 50, 101834	4.7	1
769	A Review of DC Shipboard Microgrids Part II: Control Architectures, Stability Analysis, and Protection Schemes. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 4105-4120	7.2	5
768	Precise current sharing and decentralized power management schemes based on virtual frequency droop method for LVDC microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 136, 107708	5.1	0
767	Multifunctional UPQC operating as an interface converter between hybrid AC-DC microgrids and utility grids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 136, 107638	5.1	

766	Using deep learning and meteorological parameters to forecast the photovoltaic generators intra-hour output power interval for smart grid control. <i>Energy</i> , <b>2022</b> , 239, 122116	7.9	2
765	Decentralized transactive energy community in edge grid with positive buildings and interactive electric vehicles. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 135, 107510	5.1	7
764	Independent predictive control with current limiting capability of three-phase four-leg inverter-interfaced isolated microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 134, 107457	5.1	
763	More-Stable EPLL. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 1003-1011	7.2	6
762	Adaptive Power Management of Hierarchical Controlled Hybrid Shipboard Microgrids. <i>IEEE Access</i> , <b>2022</b> , 10, 21397-21411	3.5	1
761	Adaptive LFC Incorporating Modified Virtual Rotor to Regulate Frequency and Tie-Line Power Flow in Multi-Area Microgrids. <i>IEEE Access</i> , <b>2022</b> , 10, 33248-33268	3.5	7
760	An Adaptive Dynamic Reference Control for Power Converters in a Microgrid. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	2
759	Electric Vehicle Charging Load Allocation at Residential Locations Utilizing the Energy Savings Gained by Optimal Network Reconductoring. <i>Smart Cities</i> , <b>2022</b> , 5, 177-205	3.3	1
758	A Novel Circulating Current Suppression for Paralleled Current Source Converter Based on Virtual Impedance Concept. <i>Energies</i> , <b>2022</b> , 15, 1952	3.1	0
757	Recent Trends, Challenges, and Future Aspects of P2P Energy Trading Platforms in Electrical-Based Networks Considering Blockchain Technology: A Roadmap Toward Environmental Sustainability. <i>Frontiers in Energy Research</i> , <b>2022</b> , 10,	3.8	3
756	Stability Boundary Analysis of Islanded Droop-Based Microgrids Using an Autonomous Shooting Method. <i>Energies</i> , <b>2022</b> , 15, 2120	3.1	0
755	Marketability analysis of green hydrogen production in Denmark: Scale-up effects on grid-connected electrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 12443-12455	6.7	1
754	Event-triggered distributed voltage regulation by heterogeneous BESS in low-voltage distribution networks. <i>Applied Energy</i> , <b>2022</b> , 312, 118597	10.7	1
753	Towards collective energy Community: Potential roles of microgrid and blockchain to go beyond P2P energy trading. <i>Applied Energy</i> , <b>2022</b> , 314, 119003	10.7	4
752	Distributed event-triggered average consensus control strategy with fractional-order local controllers for DC microgrids. <i>Electric Power Systems Research</i> , <b>2022</b> , 207, 107791	3.5	1
751	Using PV systems and parking lots to provide virtual inertia and frequency regulation provision in low inertia grids. <i>Electric Power Systems Research</i> , <b>2022</b> , 207, 107859	3.5	2
750	A Reference-Feedforward-Based Damping Method for Virtual Synchronous Generator Control. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 7566-7571	7.2	3
749	An adaptive backstepping control to ensure the stability and robustness for boost power converter in DC microgrids. <i>Energy Reports</i> , <b>2022</b> , 8, 1110-1124	4.6	1

748	Electric cars, ships, and their charging infrastructure A comprehensive review. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 52, 102177	4.7	1
747	The concept of direct adaptive control for improving voltage and frequency regulation loops in several power system applications. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 140, 108068	5.1	4
746	A comprehensive review on telecommunication challenges of microgrids secondary control. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 140, 108081	5.1	0
745	P2P energy trading: Blockchain-enabled P2P energy society with multi-scale flexibility services. <i>Energy Reports</i> , <b>2022</b> , 8, 3614-3628	4.6	3
744	An enhanced fast fundamental frequency estimator for three-phase electric aircraft grid. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2022</b> , 196, 111142	4.6	
743	Power-flow-based energy management of hierarchically controlled islanded AC microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2022</b> , 141, 108140	5.1	1
742	Stochastic Optimal Strategy for Power Management in Interconnected Multi-Microgrid Systems. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1424	2.6	1
741	A distributed real-time power management scheme for shipboard zonal multi-microgrid system. <i>Applied Energy</i> , <b>2022</b> , 317, 119072	10.7	1
740	A Comprehensive Review on Small Satellite Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	2
739	Electrical distribution network: Existing problems <b>2022</b> , 17-26		
738	A Novel Droop Control Strategy of Reactive Power Sharing Based on Adaptive Virtual Impedance in Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	1
737	Active arc suppression device based on voltage-source convertor with consideration of line impedance in distribution networks. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2585	2.2	0
736	LoRa Enabled Smart Inverters for Microgrid Scenarios with Widespread Elements. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2680	2.6	0
735	Directional element for faulty feeder identification of high-resistance fault in high-surety power supply systems. <i>IET Generation, Transmission and Distribution</i> , <b>2021</b> , 15, 45-55	2.5	
734	A Comparison of Fixed-Parameter Active-Power-Oscillation Damping Solutions for Virtual Synchronous Generators <b>2021</b> ,		2
733	Modified Virtual Inertia Mechanism Based ESS for A real Multi-Source Power System Application: the Egyptian Grid <b>2021</b> ,		1
732	An online energy management system for AC/DC residential microgrids supported by non-intrusive load monitoring. <i>Applied Energy</i> , <b>2021</b> , 307, 118136	10.7	4
731	A Review of the Conceptualization and Operational Management of Seaport Microgrids on the Shore and Seaside. <i>Energies</i> , <b>2021</b> , 14, 7941	3.1	2

730	Power quality assessment using signal periodicity independent algorithms in a shipboard microgrid case study. <i>Applied Energy</i> , <b>2021</b> , 307, 118151	10.7	0
729	Optimum Sizing of Photovoltaic-Battery Power Supply for Drone-Based Cellular Networks. <i>Drones</i> , <b>2021</b> , 5, 138	5.4	1
728	Distributed Dynamic Event-triggered Control for Accurate Active and Harmonic Power Sharing in Modular On-line UPS Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	0
727	A Review of DC Shipboard Microgrids Part I: Power Architectures, Energy Storage and Power Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	10
726	An Integrated Synchronization and Control Strategy for Parallel-Operated Inverters Based on V <sub>o</sub> Droop Characteristics. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	1
725	A Frequency Independent Technique to Estimate Harmonics and Interharmonics in Shipboard Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 1-1	10.7	1
724	A Novel Dynamic Appliance Clustering Scheme in a Community Home Energy Management System for Improved Stability and Resiliency of Microgrids. <i>IEEE Access</i> , <b>2021</b> , 9, 142276-142288	3.5	6
723	An Energy Management System of Campus Microgrids: State-of-the-Art and Future Challenges. <i>Energies</i> , <b>2021</b> , 14, 6525	3.1	17
722	A Cost-Effective Disturbance Governance Framework for Low-Inertia Autonomous Microgrids. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 48, 101640	4.7	0
721	A Very Short-Term Probabilistic Prediction Interval Forecaster for Reducing Load Uncertainty Level in Smart Grids. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2538	2.6	2
720	Optimum Sizing of Photovoltaic and Energy Storage Systems for Powering Green Base Stations in Cellular Networks. <i>Energies</i> , <b>2021</b> , 14, 1895	3.1	3
719	. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2021</b> , 2, 122-131	2.6	5
718	A Robust Method for Controlling Grid-Connected Inverters in Weak Grids. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 1333-1337	3.5	3
717	MPC-informed ECMS based real-time power management strategy for hybrid electric ship. <i>Energy Reports</i> , <b>2021</b> , 7, 126-133	4.6	5
716	Optimisation of solar/wind/bio-generator/diesel/battery based microgrids for rural areas: A PSO-GWO approach. <i>Sustainable Cities and Society</i> , <b>2021</b> , 67, 102723	10.1	35
715	A New Two-Stage Algorithm for Solving Optimization Problems. <i>Entropy</i> , <b>2021</b> , 23,	2.8	10
714	A new hybrid virtual synchronous machine control structure combined with voltage source converters in islanded ac microgrids. <i>Electric Power Systems Research</i> , <b>2021</b> , 193, 106976	3.5	4
713	Attack detection design for dc microgrid using eigenvalue assignment approach. <i>Energy Reports</i> , <b>2021</b> , 7, 469-476	4.6	6

712	A New Decentralized Control Strategy of Microgrids in the Internet of Energy Paradigm. <i>Energies</i> , <b>2021</b> , 14, 2183	3.1	14
711	Robust scenario-based concept for stochastic energy management of an energy hub contains intelligent parking lot considering convexity principle of CHP nonlinear model with triple operational zones. <i>Sustainable Cities and Society</i> , <b>2021</b> , 68, 102795	10.1	16
710	Probabilistic optimal power flow in islanded microgrids with load, wind and solar uncertainties including intermittent generation spatial correlation. <i>Energy</i> , <b>2021</b> , 222, 119847	7.9	16
709	An Accurate Physical Model for PV Modules With Improved Approximations of Series-Shunt Resistances. <i>IEEE Journal of Photovoltaics</i> , <b>2021</b> , 11, 699-707	3.7	4
708	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2838-2849	4.3	3
707	A Novel Real-Time Electricity Scheduling for Home Energy Management System Using the Internet of Energy. <i>Energies</i> , <b>2021</b> , 14, 3191	3.1	7
706	A review of reactive power sharing control techniques for islanded microgrids. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 141, 110745	16.2	10
705	A modified indirect extraction method for a single-phase shunt active power filter with smaller DC-link capacitor size. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 45, 101039	4.7	2
704	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 6685-6698	7.2	0
703	Grid code compatibility and real-time performance analysis of an efficient inverter topology for PV-based microgrid applications. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 128, 106712	5.1	8
702	Hierarchical Control of Space Closed Ecosystems: Expanding Microgrid Concepts to Bioastronautics. <i>IEEE Industrial Electronics Magazine</i> , <b>2021</b> , 15, 16-27	6.2	3
701	Charging station Stochastic Programming for Hydrogen/Battery Electric Buses using Multi-Criteria Crow Search Algorithm. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 144, 111046	16.2	9
700	AC vs. DC Distribution Efficiency: Are We on the Right Path?. <i>Energies</i> , <b>2021</b> , 14, 4039	3.1	4
699	. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 2760-2775	10.7	10
698	AC Microgrids Protection: A Digital Coordinated Adaptive Scheme. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7066	2.6	0
697	Enhancement of Frequency Regulation in AC Microgrid: A Fuzzy-MPC Controlled Virtual Synchronous Generator. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 3138-3149	10.7	9
696	Reliability enhancement and voltage profile improvement of distribution network using optimal capacity allocation and placement of distributed energy resources. <i>Computers and Electrical Engineering</i> , <b>2021</b> , 93, 107295	4.3	7
695	A Novel Internet of Energy Based Optimal Multi-Agent Control Scheme for Microgrid including Renewable Energy Resources. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	4

694	Flatness-Based Decentralized Control of Bidirectional Interlink Power Converters in Grid-Connected Hybrid Microgrids Using Adaptive High-Gain PI-ObsERVER. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 478-486	4.3	2
693	Stability Enhancing Voltage Feed-Forward Inverter Control Method to Reduce the Effects of Phase-Locked Loop and Grid Impedance. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 3000-3009	5.6	9
692	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2564-2574	8.9	10
691	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 5897-5908	8.9	19
690	Voltage and Frequency Consensusability of Autonomous Microgrids Over Fading Channels. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 149-158	5.4	2
689	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 5582-5593	7.2	1
688	. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 977-987	10.7	29
687	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 2420-2431	7.2	12
686	Model predictive control of microgrids [An overview]. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 136, 110422	16.2	64
685	Sliding mode controller-based switched-capacitor-based high DC gain and low voltage stress DC-DC boost converter for photovoltaic applications. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 125, 106496	5.1	13
684	Nonlinear adaptive control design with average performance analysis for photovoltaic system based on half bridge shunt active power filter. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 125, 106478	5.1	9
683	Modular multilevel converter based multi-terminal hybrid AC/DC microgrid with improved energy control method. <i>Applied Energy</i> , <b>2021</b> , 282, 116154	10.7	9
682	Comprehensive power flow modelling of hierarchically controlled AC/DC hybrid islanded microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 127, 106629	5.1	5
681	Wavelet-Based Frequency Tracking Monitor Applied for Low-Inertia AC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 6674-6684	7.2	1
680	Digitalization and decentralization driving transactive energy Internet: Key technologies and infrastructures. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 126, 106593	5.1	28
679	Active resonance damping and harmonics compensation in distributed generation based islanded microgrids. <i>Electric Power Systems Research</i> , <b>2021</b> , 191, 106900	3.5	2
678	Inverter Parallelization for an Islanded Microgrid Using the Hopf Oscillator Controller Approach With Self-Synchronization Capabilities. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 10879-10889	8.9	7
677	Hybrid Model Predictive Control for Modified Modular Multilevel Switch-Mode Power Amplifier. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 5302-5322	7.2	4



676	dq-Frame Impedance Modeling of Three-Phase Grid-Tied Voltage Source Converters Equipped With Advanced PLLs. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 3524-3539	7.2	18
675	Linear Time-Periodic Modeling, Examination, and Performance Enhancement of Grid Synchronization Systems With DC Component Rejection/Estimation Capability. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 4237-4253	7.2	8
674	System-Level Large-Signal Stability Analysis of Droop-Controlled DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 4224-4236	7.2	11
673	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9630-9640	8.9	14
672	LTP Modeling of Single-Phase $\pi$ /4 $\pi$ Delay-Based PLLs. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9003-9008	8.9	6
671	Protection of LVDC Microgrids in Grid-Connected and Islanded Modes Using Bifurcation Theory. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 2597-2604	5.6	15
670	Enhanced Current-Limiting Droop Controller for Grid-Connected Inverters to Guarantee Stability and Maximize Power Injection Under Grid Faults. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 841-849	4.8	6
669	Voltage Unbalance Compensation in AC Microgrids. <i>Power Systems</i> , <b>2021</b> , 337-373	0.4	
668	Optimization-Based Power and Energy Management System in Shipboard Microgrid: A Review. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-13	4.3	11
667	An Effective Algorithm for MAED Problems with a New Reliability Model at the Microgrid. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 257	2.6	1
666	Fault Management in DC Microgrids: A Review of Challenges, Countermeasures, and Future Research Trends. <i>IEEE Access</i> , <b>2021</b> , 9, 128032-128054	3.5	5
665	Cyberattack Detection for Converter-Based Distributed dc Microgrids: Observer-Based Approaches. <i>IEEE Industrial Electronics Magazine</i> , <b>2021</b> , 2-12	6.2	3
664	FLLs in Electrical Power & Energy Systems: Equivalent or Different to PLLs?. <i>IEEE Industrial Electronics Magazine</i> , <b>2021</b> , 0-0	6.2	4
663	Future Greener Seaports: A Review of New Infrastructure, Challenges, and Energy Efficiency Measures. <i>IEEE Access</i> , <b>2021</b> , 9, 75568-75587	3.5	10
662	Passivity Enhancement of Voltage-Controlled Inverters in Grid-Connected Microgrids Considering Negative Aspects of Control Delay and Grid Impedance Variations. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	4
661	. <i>IEEE Access</i> , <b>2021</b> , 9, 2382-2389	3.5	4
660	Inertia Response Coordination Strategy of Wind Generators and Hybrid Energy Storage and Operation Cost-Based Multi-Objective Optimizing of Frequency Control Parameters. <i>IEEE Access</i> , <b>2021</b> , 9, 74684-74702	3.5	5
659	. <i>IEEE Access</i> , <b>2021</b> , 9, 108754-108771	3.5	1



658	Analysing integration issues of the microgrid system with utility grid network. <i>International Journal of Emerging Electric Power Systems</i> , <b>2021</b> , 22, 113-127	1.4	3
657	Resilient Design of Robust Multi-Objectives PID Controllers for Automatic Voltage Regulators: D-Decomposition Approach. <i>IEEE Access</i> , <b>2021</b> , 9, 106589-106605	3.5	11
656	Linear Quadratic Regulator based Smooth Transition between Microgrid Operation Modes. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 1-1	10.7	0
655	Robust Frequency Control in Interconnected Microgrids: An H <sub>2</sub> /H <sub>∞</sub> Control Approach. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	2
654	Standard SOGI-FLL and Its Close Variants: Precise Modeling in LTP Framework and Determining Stability Region/Robustness Metrics. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 409-422	7.2	25
653	Distributed Control of Multi-Functional Grid-Tied Inverters for Power Quality Improvement. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 918-928	3.9	7
652	Logarithmic droop-based decentralized control of parallel converters for accurate current sharing in islanded DC microgrid applications. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 1240-1254	2.9	0
651	Adaptive frequency regulation strategy in multi-area microgrids including renewable energy and electric vehicles supported by virtual inertia. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 129, 106814	5.1	19
650	Large-Signal Stability Improvement of DC-DC Converters in DC Microgrid. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2534-2544	5.4	12
649	Adaptive Multi-objective Sliding Mode Control of a Wind Energy Conversion System Involving Doubly Fed Induction Generator for Power Capture Optimization. <i>Journal of Control, Automation and Electrical Systems</i> , <b>2021</b> , 32, 1663	1.5	0
648	Compensation of distortions in VSC-based DC/AC power systems using a modified vector control method. <i>Control Engineering Practice</i> , <b>2021</b> , 114, 104864	3.9	1
647	Message Queuing Telemetry Transport Communication Infrastructure for Grid-Connected AC Microgrids Management. <i>Energies</i> , <b>2021</b> , 14, 5610	3.1	2
646	Coordinated Control of Diesel Generators and Batteries in DC Hybrid Electric Shipboard Power System. <i>Energies</i> , <b>2021</b> , 14, 6246	3.1	1
645	A Novel Power Sharing Scheme of Controlling Parallel-Operated Inverters in Islanded Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 5732-5746	5.6	5
644	A comprehensive overview of framework for developing sustainable energy internet: From things-based energy network to services-based management system. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 150, 111409	16.2	8
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