Josep Guerrero

List of Publications by Year in Descending Order

1,344 papers	51,657 citations	100 h-index	193 g-index
1,473 ext. papers	67,733 ext. citations	5.6 avg, IF	8.63 L-index

#	Paper	IF	Citations
1344	A Comprehensive Review of Control Strategies and Optimization Methods for Individual and Community Microgrids. *IEEE Access*, **2022**, 10, 15935-15955	3.5	4
1343	Distributed Robust Model Predictive Control-Based Energy Management Strategy for Islanded Multi-Microgrids Considering Uncertainty. *IEEE Transactions on Smart Grid*, **2022**, 1-1	10.7	5
1342	Moth-Flame-Optimization Based Parameter Estimation for FCS-MPC Controlled Grid-Connected Converter With LCL-Filter. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2022**, 1-1	5.6	1
1341	Comprehensive Review on Renewable Energy Sources in Egypt□Current Status, Grid Codes and Future Vision. *IEEE Access*, **2022**, 10, 4081-4101	3.5	9
1340	Optimal Configuration and Sizing of Seaport Microgrids including Renewable Energy and Cold Ironing□he Port of Aalborg Case Study. *Energies*, **2022**, 15, 431	3.1	3
1339	Machine Learning based Multi-Agent System for Detecting and Neutralizing Unseen Cyber-Attacks in AGC and HVDC Systems. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2022**, 1-1	5.2	2
1338	Effect of Fault Ride Through Capability on Electric Vehicle Charging Station under Critical Voltage Conditions. *IEEE Transactions on Transportation Electrification*, **2022**, 1-1	7.6	2
1337	Investment opportunities: Hydrogen production or BTC mining?. *International Journal of Hydrogen Energy*, **2022**, 47, 5733-5744	6.7	4
1336	A Non-Isolated High Step-Up DC-DC Converter Using Voltage Lift Technique: Analysis, Design, and Implementation. *IEEE Access*, **2022**, 10, 6338-6347	3.5	5
1335	Heating and Cooling Loads Forecasting for Residential Buildings Based on Hybrid Machine Learning Applications: A Comprehensive Review and Comparative Analysis. *IEEE Access*, **2022**, 10, 2196-2215	3.5	6
1334	Hierarchically controlled ecological life support systems. *Computers and Chemical Engineering*, **2022** , 157, 107625	4	
1333	Stability Evaluation of Grid-Connected Microgrid Clusters in Asymmetrical Grids. *IEEE Journal of Emerging and Selected Topics in Industrial Electronics*, **2022**, 1-1	2.6	1
1332	Proportional Hysteresis Band Control for DC Voltage Stability of Three-Phase Single-Stage PV Systems. *Electronics (Switzerland)*, **2022**, 11, 452	2.6	2
1331	False Data Injection Cyber-Attacks Detection for Multiple DC Microgrid Clusters. *Applied Energy*, **2022**, 310, 118425	10.7	3
1330	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	7.2	4
1329	Deep Learning-based Probabilistic Autoencoder for Residential Energy Disaggregation: An Adversarial Approach. *IEEE Transactions on Industrial Informatics*, **2022**, 1-1	11.9	1
1328	Feasibility Analysis and Development of Stand-Alone Hybrid Power Generation System for Remote Areas: A Case Study of Ethiopian Rural Area. *Wind*, **2022**, 2, 68-86		2

1327	Effect of Battery Degradation on the Probabilistic Optimal Operation of Renewable-Based Microgrids. *Electricity*, **2022**, 3, 53-74	1	2
1326	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	16.2	2
1325	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	3.5	1
1324	Novel modular multilevel converter-based five-terminal MV/LV hybrid AC/DC microgrids with improved operation capability under unbalanced power distribution. *Applied Energy*, **2022**, 306, 118140	10.7	0
1323	Multi-energy microgrids: An optimal despatch model for water-energy nexus. *Sustainable Cities and Society*, **2022**, 77, 103573	10.1	3
1322	Inertia Emulation and Fast Frequency-droop Control Strategy of a Point-to-point VSC-HVDC Transmission System for Asynchronous Grid Interconnection. *IEEE Transactions on Power Electronics* , **2022**, 1-1	7.2	0
1321	Microgrid Digital Twins: Concepts, Applications, and Future Trends. *IEEE Access*, **2022**, 10, 2284-2302	3.5	7
1320	Stochastic optimal power flow in islanded DC microgrids with correlated load and solar PV uncertainties. *Applied Energy*, **2022**, 307, 118090	10.7	0
1319	Stability of microgrid cluster with Diverse Energy Sources: A multi-objective solution using NSGA-II based controller. *Sustainable Energy Technologies and Assessments*, **2022**, 50, 101834	4.7	1
1318	A Review of DC Shipboard MicrogridsPart II: Control Architectures, Stability Analysis, and Protection Schemes. *IEEE Transactions on Power Electronics*, **2022**, 37, 4105-4120	7.2	5
1317	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	7.2	1
1316	Short-term reliability and economic evaluation of resilient microgrids under incentive-based demand response programs. *International Journal of Electrical Power and Energy Systems*, **2022**, 138, 107918	5.1	3
1315	An improved automated PQD classification method for distributed generators with hybrid SVM-based approach using un-decimated wavelet transform. *International Journal of Electrical Power and Energy Systems*, **2022**, 136, 107763	5.1	5
1314	Precise current sharing and decentralized power management schemes based on virtual frequency droop method for LVDC microgrids. *International Journal of Electrical Power and Energy Systems*, **2022**, 136, 107708	5.1	0
1313	Multifunctional UPQC operating as an interface converter between hybrid AC-DC microgrids and utility grids. *International Journal of Electrical Power and Energy Systems*, **2022**, 136, 107638	5.1	
1312	Offering and bidding for a wind producer paired with battery and CAES units considering battery degradation. *International Journal of Electrical Power and Energy Systems*, **2022**, 136, 107685	5.1	0
1311	Using deep learning and meteorological parameters to forecast the photovoltaic generators intra-hour output power interval for smart grid control. *Energy*, **2022**, 239, 122116	7.9	2
1310	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	5.1	7

1309	Independent predictive control with current limiting capability of three-phase four-leg inverter-interfaced isolated microgrids. *International Journal of Electrical Power and Energy Systems*, **2022**, 134, 107457	5.1	
1308	More-Stable EPLL. *IEEE Transactions on Power Electronics*, **2022**, 37, 1003-1011	7.2	6
1307	Fast and accurate voltage sag detection algorithm. *International Journal of Electrical Power and Energy Systems*, **2022**, 135, 107516	5.1	1
1306	Harmonic Transfer-Function-Based <i></i>-Frame SISO Impedance Modeling of Droop Inverters-Based Islanded Microgrid with Unbalanced Loads. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	1
1305	Optimal Integrated Inner Controller Design in AC Microgrids. *IEEE Transactions on Power Electronics* , **2022**, 1-1	7.2	0
1304	Delay-Compound-Compensation Control for Photoelectric Tracking System Based on Improved Smith Predictor Scheme. *IEEE Photonics Journal*, **2022**, 1-1	1.8	
1303	Adaptive Power Management of Hierarchical Controlled Hybrid Shipboard Microgrids. *IEEE Access*, **2022**, 10, 21397-21411	3.5	1
1302	Adaptive LFC Incorporating Modified Virtual Rotor to Regulate Frequency and Tie-Line Power Flow in Multi-Area Microgrids. *IEEE Access*, **2022**, 10, 33248-33268	3.5	7
1301	An Adaptive Dynamic Reference Control for Power Converters in a Microgrid. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	2
1300	A Novel Fast Transient Stability Assessment of Power Systems Using Fault-On Trajectory. *IEEE Systems Journal*, **2022**, 1-11	4.3	0
1299	Power Losses Reduction of T-type Grid-Connected Converters Based on Tolerant Sequential Model Predictive Control. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	2
1298	Optimized Control Strategy for Photovoltaic Hydrogen Generation System with Particle Swarm Algorithm. *Energies*, **2022**, 15, 1472	3.1	1
1297	Electric Vehicle Charging Load Allocation at Residential Locations Utilizing the Energy Savings Gained by Optimal Network Reconductoring. *Smart Cities*, **2022**, 5, 177-205	3.3	1
1296	Optimized Configuration of Diesel Engine-Fuel Cell-Battery Hybrid Power Systems in a Platform Supply Vessel to Reduce CO2 Emissions. *Energies*, **2022**, 15, 2184	3.1	3
1295	A Novel Circulating Current Suppression for Paralleled Current Source Converter Based on Virtual Impedance Concept. *Energies*, **2022**, 15, 1952	3.1	0
1294	Recent Trends, Challenges, and Future Aspects of P2P Energy Trading Platforms in Electrical-Based Networks Considering Blockchain Technology: A Roadmap Toward Environmental Sustainability. *Frontiers in Energy Research*, **2022**, 10,	3.8	3
1293	Stability Boundary Analysis of Islanded Droop-Based Microgrids Using an Autonomous Shooting Method. *Energies*, **2022**, 15, 2120	3.1	0
1292	Marketability analysis of green hydrogen production in Denmark: Scale-up effects on grid-connected electrolysis. *International Journal of Hydrogen Energy*, **2022**, 47, 12443-12455	6.7	1

1291	An Novel Six-Segment Modulation Strategy for Three-Phase Isolated PFC Converter. *Energies*, **2022**, 15, 2598	3.1	0
1290	Event-triggered distributed voltage regulation by heterogeneous BESS in low-voltage distribution networks. *Applied Energy*, **2022**, 312, 118597	10.7	1
1289	An efficient, robust optimization model for the unit commitment considering renewable uncertainty and pumped-storage hydropower. *Computers and Electrical Engineering*, **2022**, 100, 107846	4.3	4
1288	Towards collective energy Community: Potential roles of microgrid and blockchain to go beyond P2P energy trading. *Applied Energy*, **2022**, 314, 119003	10.7	4
1287	Offshore wind power plant site selection using Analytical Hierarchy Process for Northwest Turkey. *Ocean Engineering*, **2022**, 252, 111178	3.9	3
1286	Distributed event-triggered average consensus control strategy with fractional-order local controllers for DC microgrids. *Electric Power Systems Research*, **2022**, 207, 107791	3.5	1
1285	Using PV systems and parking lots to provide virtual inertia and frequency regulation provision in low inertia grids. *Electric Power Systems Research*, **2022**, 207, 107859	3.5	2
1284	A Reference-Feedforward-Based Damping Method for Virtual Synchronous Generator Control. *IEEE Transactions on Power Electronics*, **2022**, 37, 7566-7571	7.2	3
1283	An adaptive backstepping control to ensure the stability and robustness for boost power converter in DC microgrids. *Energy Reports*, **2022**, 8, 1110-1124	4.6	1
1282	Electric cars, ships, and their charging infrastructure A comprehensive review. *Sustainable Energy Technologies and Assessments*, **2022**, 52, 102177	4.7	1
1281	The concept of direct adaptive control for improving voltage and frequency regulation loops in several power system applications. *International Journal of Electrical Power and Energy Systems*, **2022**, 140, 108068	5.1	4
1280	A comprehensive review on telecommunication challenges of microgrids secondary control. *International Journal of Electrical Power and Energy Systems*, **2022**, 140, 108081	5.1	0
1279	P2P energy trading: Blockchain-enabled P2P energy society with multi-scale flexibility services. *Energy Reports*, **2022**, 8, 3614-3628	4.6	3
1278	A comprehensive review on applications of multicriteria decision-making methods in power and energy systems. *International Journal of Energy Research*, **2022**, 46, 4088-4118	4.5	0
1277	Accurate Reactive Power Sharing Strategy for Droop-based Islanded AC Microgrids. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	2
1276	DC Shipboard Microgrids with Constant Power Loads: A Review of Advanced Nonlinear Control Strategies and Stabilization Techniques. *IEEE Transactions on Smart Grid*, **2022**, 1-1	10.7	3
1275	PV Integrated Multifunctional Off-Board EV Charger with Improved Grid Power Quality. *IEEE Transactions on Industry Applications*, **2022**, 1-1	4.3	2
1274	Network Hardening and Optimal Placement of Microgrids to Improve Transmission System Resilience: A Two-stage Linear Program. *Reliability Engineering and System Safety*, **2022**, 108536	6.3	0

1273	An enhanced fast fundamental frequency estimator for three-phase electric aircraft grid. *Measurement: Journal of the International Measurement Confederation*, **2022**, 196, 111142	4.6	
1272	Power-flow-based energy management of hierarchically controlled islanded AC microgrids. *International Journal of Electrical Power and Energy Systems*, **2022**, 141, 108140	5.1	1
1271	Two-Stage Stochastic Market Clearing of Energy and Reserve in the Presence of Coupled Fuel Cell-Based Hydrogen Storage System with Renewable Resources. *Power Systems*, **2022**, 267-292	0.4	
1270	A Distributed Control Strategy for Unbalanced Voltage Compensation in Islanded AC Microgrids Without Continuous Communication. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	
1269	Multi-Objective Generation Scheduling of Hydro-Thermal System Incorporating Energy Storage with Demand Side Management Considering Renewable Energy Uncertainties. *IEEE Access*, **2022**, 1-1	3.5	0
1268	Enhancement of Voltage Regulation Capability for DC-Microgrid Composed by Battery Test System: A Fractional-Order Virtual Inertia Method. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	0
1267	Experimental Tests. *UNIPA Springer Series*, **2022**, 115-138	0.1	
1266	Applications of artificial intelligence in renewable energy systems. *IET Renewable Power Generation* , **2022**, 16, 1279-1282	2.9	
1265	Stochastic Optimal Strategy for Power Management in Interconnected Multi-Microgrid Systems. *Electronics (Switzerland)*, **2022**, 11, 1424	2.6	1
1264	Construction of Smart Grid Load Forecast Model by Edge Computing. *Energies*, **2022**, 15, 3028	3.1	
1263	A distributed real-time power management scheme for shipboard zonal multi-microgrid system. *Applied Energy*, **2022**, 317, 119072	10.7	1
1262	A Comprehensive Review on Small Satellite Microgrids. *IEEE Transactions on Power Electronics*, **2022** , 1-1	7.2	2
1261	Demystifying the Devices Behind the LED Light: LED Driver Circuits. *IEEE Industrial Electronics Magazine*, **2022**, 2-13	6.2	0
1260	Adaptive Energy-Based Control for Buck Converter With a Class of Nonlinear Loads. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	0
1259	Energy Optimization of Air Handling Units Using Constrained Predictive Controllers Based on Dynamic Neural Networks. *IEEE Access*, **2022**, 1-1	3.5	1
1258	Fault-tolerant Sequential MPC for Vertical Switch Open-Circuit Fault and ZSCC Suppression for Parallel T-type Converters. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	0
1257	Distributed Event-Triggered Optimal Control Method for Heterogeneous Energy Storage Systems in Smart Grid. *IEEE Transactions on Sustainable Energy*, **2022**, 1-1	8.2	0
1256	An Optimization Strategy of Price and Conversion Factor Considering the Coupling of Electricity and Gas Based on Three-Stage Game. *IEEE Transactions on Automation Science and Engineering*, **2022**, 1-14	4.9	4

1255	Fractional-Order PID Controllers for Temperature Control: A Review. *Energies*, **2022**, 15, 3800	3.1	0
1254	Battery-Conscious, Economic, and Prioritization-Based Electric Vehicle Residential Scheduling. *Energies*, **2022**, 15, 3714	3.1	
1253	Two-stage Robust Energy Management of a Self-healing Building **2021**,		1
1252	A Novel Droop Control Strategy of Reactive Power Sharing Based on Adaptive Virtual Impedance in Microgrids. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1
1251	A Consumer-Oriented Incentive Mechanism for EVs Charging in Multi-Microgrids Based on Price Information Sharing **2021**,		1
1250	Active arc suppression device based on voltage-source convertor with consideration of line impedance in distribution networks. *IET Power Electronics*, **2021**, 14, 2585	2.2	0
1249	LoRa Enabled Smart Inverters for Microgrid Scenarios with Widespread Elements. *Electronics (Switzerland)*, **2021**, 10, 2680	2.6	0
1248	Directional element for faulty feeder identification of high-resistance fault in high-surety power supply systems. *IET Generation, Transmission and Distribution*, **2021**, 15, 45-55	2.5	
1247	An Improved and Fast MPPT Algorithm for PV Systems under Partially Shaded Conditions. *IEEE Transactions on Sustainable Energy*, **2021**, 1-1	8.2	4
1246	Thyristor-Pair- and Damping-Submodule-Based Protection against Valve-Side Single-Phase-to-Ground Faults in MMC-MTDC Systems. *IEEE Transactions on Power Delivery*, **2021**, 1-1	4.3	1
1245	A Comparison of Fixed-Parameter Active-Power-Oscillation Damping Solutions for Virtual Synchronous Generators **2021**,		2
1244	Modified Virtual Inertia Mechanism Based ESS for A real Multi-Source Power System Application: the Egyptian Grid **2021**,		1
1243	An online energy management system for AC/DC residential microgrids supported by non-intrusive load monitoring. *Applied Energy*, **2021**, 307, 118136	10.7	4
1242	A Review of the Conceptualization and Operational Management of Seaport Microgrids on the Shore and Seaside. *Energies*, **2021**, 14, 7941	3.1	2
1241	Power quality assessment using signal periodicity independent algorithms – A shipboard microgrid case study. *Applied Energy*, **2021**, 307, 118151	10.7	0
1240	Optimum Sizing of Photovoltaic-Battery Power Supply for Drone-Based Cellular Networks. *Drones*, **2021**, 5, 138	5.4	1
1239	Distributed Dynamic Event-triggered Control for Accurate Active and Harmonic Power Sharing in Modular On-line UPS Systems. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	0
1238	Data Mining Applications to Fault Diagnosis in Power Electronic Systems: A Systematic Review. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	3

1237	Non-integer Lexicographic-optimization-based Sequential Model-Predictive Fault-Tolerant Control of T-Type Shunt Active Power Filter. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	1
1236	Open-Loop Synchronization Systems for Grid-Tied Power Converters: Literature Overview, Design Considerations, Advantages, and Disadvantages. *IEEE Industrial Electronics Magazine*, **2021**, 2-10	6.2	0
1235	A Review of DC Shipboard Microgrids Part I: Power Architectures, Energy Storage and Power Converters. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	10
1234	An Integrated Synchronization and Control Strategy for Parallel-Operated Inverters Based on V Droop Characteristics. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	1
1233	Switching Strategy Development, Dynamic Model, and Small Signal Analysis of Current-Fed Cockcroft-Walton Voltage Multiplier. *IEEE Open Journal of Power Electronics*, **2021**, 2, 591-602	2.5	0
1232	A Frequency Independent Technique to Estimate Harmonics and Interharmonics in Shipboard Microgrids. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	1
1231	On the Design of Event-Triggered Consensus-based Secondary Control of DC Microgrids. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	0
1230	In-Loop Filters and Prefilters in Phase-Locked Loop Systems: Equivalent or Different Solutions?. *IEEE Industrial Electronics Magazine*, **2021**, 2-14	6.2	1
1229	A Novel Dynamic Appliance Clustering Scheme in a Community Home Energy Management System for Improved Stability and Resiliency of Microgrids. *IEEE Access*, **2021**, 9, 142276-142288	3.5	6
1228	RUBoost-Based Ensemble Machine Learning for Electrode Quality Classification in Li-ion Battery Manufacturing. *IEEE/ASME Transactions on Mechatronics*, **2021**, 1-10	5.5	15
1227	Dynamic and Steady-State Power-Sharing Control of High-Efficiency DC Shipboard Microgrid Supplied by Diesel Generators. *IEEE Systems Journal*, **2021**, 1-12	4.3	1
1226	Effect of Frequency Coupling on Stability Analysis of a Grid-Connected Modular Multilevel Converter System. *Energies*, **2021**, 14, 6580	3.1	2
1225	Endogenous Approach of a Frequency-Constrained Unit Commitment in Islanded Microgrid Systems. *Energies*, **2021**, 14, 6290	3.1	2
1224	An Energy Management System of Campus Microgrids: State-of-the-Art and Future Challenges. *Energies*, **2021**, 14, 6525	3.1	17
1223	Distribution network reliability enhancement and power loss reduction by optimal network reconfiguration. *Computers and Electrical Engineering*, **2021**, 96, 107518	4.3	5
1222	A Cost-Effective Disturbance Governance Framework for Low-Inertia Autonomous Microgrids. *Sustainable Energy Technologies and Assessments*, **2021**, 48, 101640	4.7	0
1221	Conditional Value-at-Risk Model for Smart Home Energy Management Systems. *E-Prime*, **2021**, 1, 100006		3
1220	Interval Type2 Fuzzy Logic-Based Power Sharing Strategy for Hybrid Energy Storage System in Solar Powered Charging Station. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	0

1219	A Very Short-Term Probabilistic Prediction Interval Forecaster for Reducing Load Uncertainty Level in Smart Grids. *Applied Sciences (Switzerland)*, **2021**, 11, 2538	2.6	2
1218	Guest Editorial Stability and Robustness of Power Grids With High Penetration of Power Electronics. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2021**, 11, 1-4	5.2	
1217	Optimum Sizing of Photovoltaic and Energy Storage Systems for Powering Green Base Stations in Cellular Networks. *Energies*, **2021**, 14, 1895	3.1	3
1216	A cyber-secure model to decentralized co-expansion planning of gas and electricity networks. *International Journal of Energy Research*, **2021**, 45, 13414-13428	4.5	1
1215	A hybrid robust-stochastic approach for optimal scheduling of interconnected hydrogen-based energy hubs. *IET Smart Grid*, **2021**, 4, 241-254	2.7	5
1214	. *IEEE Journal of Emerging and Selected Topics in Industrial Electronics*, **2021**, 2, 122-131	2.6	5
1213	A Robust Method for Controlling Grid-Connected Inverters in Weak Grids. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 1333-1337	3.5	3
1212	Optimisation of solar/wind/bio-generator/diesel/battery based microgrids for rural areas: A PSO-GWO approach. *Sustainable Cities and Society*, **2021**, 67, 102723	10.1	35
1211	A New Two-Stage Algorithm for Solving Optimization Problems. *Entropy*, **2021**, 23,	2.8	10
1210	A new hybrid virtual synchronous machine control structure combined with voltage source converters in islanded ac microgrids. *Electric Power Systems Research*, **2021**, 193, 106976	3.5	4
1209	Attack detection design for dc microgrid using eigenvalue assignment approach. *Energy Reports*, **2021**, 7, 469-476	4.6	6
1208	A New Decentralized Control Strategy of Microgrids in the Internet of Energy Paradigm. *Energies*, **2021**, 14, 2183	3.1	14
1207	Risk-based optimal operation of coordinated natural gas and reconfigurable electrical networks with integrated energy hubs. *IET Renewable Power Generation*, **2021**, 15, 2657-2673	2.9	4
1206	**2021**,		1
1205	A multi-objective mixed integer linear programming model for integrated electricity-gas network expansion planning considering the impact of photovoltaic generation. *Energy*, **2021**, 222, 119933	7.9	4
1204	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. *Sustainable Cities and Society*, **2021**, 68, 102795	10.1	16
1203	A novel power management strategy based on combination of 3D droop control and EKF in DC microgrids. *IET Renewable Power Generation*, **2021**, 15, 2540-2555	2.9	0
1202	Probabilistic optimal power flow in islanded microgrids with load, wind and solar uncertainties including intermittent generation spatial correlation. *Energy*, **2021**, 222, 119847	7.9	16

1201	An Accurate Physical Model for PV Modules With Improved Approximations of Series-Shunt Resistances. *IEEE Journal of Photovoltaics*, **2021**, 11, 699-707	3.7	4
1200	. *IEEE Transactions on Industry Applications*, **2021**, 57, 2838-2849	4.3	3
1199	A Novel Real-Time Electricity Scheduling for Home Energy Management System Using the Internet of Energy. *Energies*, **2021**, 14, 3191	3.1	7
1198	A hover view over effectual approaches on pandemic management for sustainable cities - The endowment of prospective technologies with revitalization strategies.. *Sustainable Cities and Society*, **2021**, 68, 102789	10.1	36
1197	A review of reactive power sharing control techniques for islanded microgrids. *Renewable and Sustainable Energy Reviews*, **2021**, 141, 110745	16.2	10
1196	. *IEEE Industrial Electronics Magazine*, **2021**, 15, 4-15	6.2	3
1195	A modified indirect extraction method for a single-phase shunt active power filter with smaller DC-link capacitor size. *Sustainable Energy Technologies and Assessments*, **2021**, 45, 101039	4.7	2
1194	. *IEEE Transactions on Power Electronics*, **2021**, 36, 6685-6698	7.2	0
1193	Grid code compatibility and real-time performance analysis of an efficient inverter topology for PV-based microgrid applications. *International Journal of Electrical Power and Energy Systems*, **2021**, 128, 106712	5.1	8
1192	Quasi-Luenberger Observer-Based Robust DC Link Control of UIPC for Flexible Power Exchange Control in Hybrid Microgrids. *IEEE Systems Journal*, **2021**, 15, 2845-2854	4.3	2
1191	Hierarchical Control of Space Closed Ecosystems: Expanding Microgrid Concepts to Bioastronautics. *IEEE Industrial Electronics Magazine*, **2021**, 15, 16-27	6.2	3
1190	Network-constrained rail transportation and power system scheduling with mobile battery energy storage under a multi-objective two-stage stochastic programming. *International Journal of Energy Research*, **2021**, 45, 18827	4.5	3
1189	Charging station Stochastic Programming for Hydrogen/Battery Electric Buses using Multi-Criteria Crow Search Algorithm. *Renewable and Sustainable Energy Reviews*, **2021**, 144, 111046	16.2	9
1188	AC vs. DC Distribution Efficiency: Are We on the Right Path?. *Energies*, **2021**, 14, 4039	3.1	4
1187	. *IEEE Transactions on Smart Grid*, **2021**, 12, 2760-2775	10.7	10
1186	AC Microgrids Protection: A Digital Coordinated Adaptive Scheme. *Applied Sciences (Switzerland)*, **2021**, 11, 7066	2.6	0
1185	. *IEEE Transactions on Industry Applications*, **2021**, 57, 4130-4142	4.3	
1184	Space cooling using geothermal single-effect water/lithium bromide absorption chiller. *Energy Science and Engineering*, **2021**, 9, 1747	3.4	8

1183	Enhancement of Frequency Regulation in AC Microgrid: A Fuzzy-MPC Controlled Virtual Synchronous Generator. *IEEE Transactions on Smart Grid*, **2021**, 12, 3138-3149	10.7	9
1182	A Novel Internet of Energy Based Optimal Multi-Agent Control Scheme for Microgrid including Renewable Energy Resources. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	4
1181	Flatness-Based Decentralized Control of Bidirectional Interlink Power Converters in Grid-Connected Hybrid Microgrids Using Adaptive High-Gain PI-Observer. *IEEE Systems Journal*, **2021**, 15, 478-486	4.3	2
1180	Stability Enhancing Voltage Feed-Forward Inverter Control Method to Reduce the Effects of Phase-Locked Loop and Grid Impedance. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 3000-3009	5.6	9
1179	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 2564-2574	8.9	10
1178	An Improved Adaptive Control Strategy in Grid-Tied PV System With Active Power Filter for Power Quality Enhancement. *IEEE Systems Journal*, **2021**, 15, 2859-2870	4.3	25
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