

# Tomislav Dragicevic

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9457860/tomislav-dragicevic-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

153  
papers

7,339  
citations

46  
h-index

82  
g-index

159  
ext. papers

9,862  
ext. citations

6.5  
avg, IF

7.09  
L-index

#	Paper	IF	Citations
153	Impedance-Based Stability Evaluation for Multibus DC Microgrid Without Constraints on Subsystems. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 932-943	7.2	7
152	Latest Advances of Model Predictive Control in Electrical DrivesPart I: Basic Concepts and Advanced Strategies. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	30
151	Cyber-Resilient Sliding Mode Consensus Secondary Control Scheme for Islanded AC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	3
150	Guest Editorial Special Issue on Topology, Modeling, Control, and Reliability of Bidirectional DC/DC Converters in DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 1188-1191	5.6	2
149	A Unified Distributed Cooperative Control of DC Microgrids Using Consensus Protocol. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 12, 1880-1892	10.7	4
148	Hybrid Model Predictive Control of DC/DC Boost Converters With Constant Power Load. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1347-1356	5.4	9
147	Quantitative Feedback Design-Based Robust PID Control of Voltage Mode Controlled DC-DC Boost Converter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 286-290	3.5	14
146	Supervised Imitation Learning of Finite-Set Model Predictive Control Systems for Power Electronics. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 1717-1723	8.9	23
145	Review on Advanced Control Technologies for Bidirectional DC/DC Converters in DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 1205-1221	5.6	55
144	Machine Learning Based Operating Region Extension of Modular Multilevel Converters Under Unbalanced Grid Faults. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 4554-4560	8.9	2
143	Bipolar DC Power Conversion: State-of-the-Art and Emerging Technologies. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 1192-1204	5.6	27
142	An Improved Fault-Tolerant Control Scheme for Cascaded H-Bridge STATCOM With Higher Attainable Balanced Line-to-Line Voltages. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2784-2797	8.9	16
141	Advanced Control Methods for Power Converters in DG Systems and Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 5847-5862	8.9	23
140	A Novel Operation Scheme for Modular Multilevel Converter With Enhanced Ride-Through Capability of Submodule Faults. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 1258-1268	5.6	13
139	Improved Distributed Prescribed Finite-Time Secondary Control of Inverter-Based Microgrids: Design and Real-Time Implementation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11135-11145	8.9	10
138	Model Predictive Control of LC-Filtered Voltage Source Inverters With Optimal Switching Sequence. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 3422-3436	7.2	17
137	Multilayer Resilience Paradigm Against Cyber Attacks in DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 2522-2532	7.2	21

136	Model Predictive Control-Based Virtual Inertia Emulator for an Islanded Alternating Current Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7167-7177	8.9	29
135	False Data Injection Cyber-Attacks Mitigation in Parallel DC/DC Converters Based on Artificial Neural Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 717-721	3.5	19
134	Sensorless Control of DC Microgrid Based on Artificial Intelligence. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2319-2329	5.4	6
133	Machine Learning Emulation of Model Predictive Control for Modular Multilevel Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11628-11634	8.9	7
132	A Model Predictive Control Considering Parameters and System Uncertainties for Suppressing Low-Frequency Oscillations of Traction Dual Rectifiers. <i>IEEE Transactions on Transportation Electrification</i> , <b>2021</b> , 7, 1031-1046	7.6	3
131	Intelligent Multiobjective NSBGA-II Control of Power Converters in DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 10806-10814	8.9	5
130	Optimal Filter Design for Power Converters Regulated by FCS-MPC in the MEA. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 3258-3268	7.2	3
129	Composite Robust Quasi-Sliding Mode Control of DCDC Buck Converter With Constant Power Loads. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 1455-1464	5.6	10
128	Decentralized Model Predictive Control of DC Microgrids With Constant Power Load. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 451-460	5.6	22
127	On Addressing the Security and Stability Issues Due to False Data Injection Attacks in DC Microgrids An Adaptive Observer Approach. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	5
126	FS-MPC Based Thermal Stress Balancing and Reliability Analysis for NPC Converters. <i>IEEE Open Journal of Power Electronics</i> , <b>2021</b> , 2, 124-137	2.5	5
125	Decentralized Coordinated Cyberattack Detection and Mitigation Strategy in DC Microgrids Based on Artificial Neural Networks. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 4629-4638	5.6	16
124	Detection and Mitigation of False Data in Cooperative DC Microgrids With Unknown Constant Power Loads. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 9565-9577	7.2	19
123	An Analysis of Multi Objective Energy Scheduling in PV-BESS System Under Prediction Uncertainty. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2276-2286	5.4	4
122	Individually Regulated Dual-Output IPT System Based on Current-Mode Switching Cells. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 12930-12934	8.9	1
121	A Novel Sliding-Discrete-Control-Set Modulated Model Predictive Control for Modular Multilevel Converter. <i>IEEE Access</i> , <b>2021</b> , 9, 10316-10327	3.5	7
120	State-Space Modeling Techniques of Emerging Grid-Connected Converters. <i>Energies</i> , <b>2020</b> , 13, 4824	3.1	5
119	Resilient Operation of Heterogeneous Sources in Cooperative DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12601-12605	7.2	18

118	An Event-Driven Resilient Control Strategy for DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 13714-13724	7.2	20
117	On Detection of False Data in Cooperative DC Microgrids: A Discordant Element Approach. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 6562-6571	8.9	56
116	Decentralized Frequency Control of AC Microgrids: An Estimation-Based Consensus Approach. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 1-1	5.6	6
115	Detection of False Data Injection Cyber-Attacks in DC Microgrids Based on Recurrent Neural Networks. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 1-1	5.6	51
114	Predictive Control Based DC Microgrid Stabilization With the Dual Active Bridge Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 8944-8956	8.9	25
113	Robust High-Rate Secondary Control of Microgrids With Mitigation of Communication Impairments. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12486-12496	7.2	14
112	A Linear Inertial Response Emulation for Variable Speed Wind Turbines. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 1198-1208	7	14
111	. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 6482-6500	7.2	92
110	Moving Discretized Control Set Model-Predictive Control for Dual-Active Bridge With the Triple-Phase Shift. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 8624-8637	7.2	13
109	Cyber Security in Control of Grid-Tied Power Electronic Converters: Challenges and Vulnerabilities. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 1-1	5.6	34
108	Distributed Screening of Hijacking Attacks in DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 7574-7582	7.2	25
107	Clustering-Based Penalty Signal Design for Flexibility Utilization. <i>IEEE Access</i> , <b>2020</b> , 8, 208850-208860	3.5	3
106	TS Fuzzy Model-Based Controller Design for a Class of Nonlinear Systems Including Nonsmooth Functions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 233-244	7.3	16
105	The Future 5G Network-Based Secondary Load Frequency Control in Shipboard Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 836-844	5.6	40
104	Robust Quasi-Predictive Control of LCL-Filtered Grid Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1934-1946	7.2	22
103	Support Vector Machine-Based Islanding and Grid Fault Detection in Active Distribution Networks. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 2385-2403	5.6	61
102	Model Predictive Control for Dual-Active-Bridge Converters Supplying Pulsed Power Loads in Naval DC Micro-Grids. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1957-1966	7.2	39
101	Current-Sensorless Finite-Set Model Predictive Control for LC-Filtered Voltage Source Inverters. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1086-1095	7.2	48

100	An Offset-Free Composite Model Predictive Control Strategy for DC/DC Buck Converter Feeding Constant Power Loads. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 5331-5342	7.2	40
99	Interconnected Autonomous AC Microgrids via Back-to-Back ConvertersPart I: Small-Signal Modeling. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 4728-4740	7.2	18
98	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5197-5203	8.9	32
97	Multi Objective Modulated Model Predictive Control of Stand-Alone Voltage Source Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 2559-2571	5.6	19
96	Constrained Modulated Model-Predictive Control of an LC-Filtered Voltage-Source Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1967-1977	7.2	28
95	Anti-Islanding Protection of PV-Based Microgrids Consisting of PHEVs Using SVMs. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 483-500	10.7	54
94	Inertia Response Improvement in AC Microgrids: A Fuzzy-Based Virtual Synchronous Generator Control. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 4321-4331	7.2	55
93	A Distributed Fixed-Time Secondary Controller for DC Microgrid Clusters. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 1997-2007	5.4	19
92	Statistical Model Checking for Finite-Set Model Predictive Control Converters: A Tutorial on Modeling and Performance Verification. <i>IEEE Industrial Electronics Magazine</i> , <b>2019</b> , 13, 6-15	6.2	3
91	Robust Non-Fragile Fuzzy Control of Uncertain DC Microgrids Feeding Constant Power Loads. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 11300-11308	7.2	40
90	Robust and Fast Voltage-Source-Converter (VSC) Control for Naval Shipboard Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 8299-8303	7.2	45
89	High-Bandwidth Secondary Voltage and Frequency Control of VSC-Based AC Microgrid. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 11320-11331	7.2	54
88	Robust Frequency Regulation in Mobile Microgrids: HIL Implementation. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 4281-4291	4.3	37
87	. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 3616-3625	7	9
86	Supervisory Energy-Management Systems for Microgrids: Modeling and Formal Verification. <i>IEEE Industrial Electronics Magazine</i> , <b>2019</b> , 13, 26-37	6.2	11
85	Power Conditioning of Distribution Networks via Single-Phase Electric Vehicles Equipped. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3433-3442	4.3	20
84	Analytical Design and Performance Validation of Finite Set MPC Regulated Power Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 2004-2014	8.9	33
83	Design of Quadratic D-Stable Fuzzy Controller for DC Microgrids With Multiple CPLs. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4805-4812	8.9	43

82	Advanced Control Methods for Power Converters in Distributed Generation Systems and Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 8866-8869	8.9	7
81	Time-Delayed Stabilizing Secondary Load Frequency Control of Shipboard Microgrids. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3233-3241	4.3	36
80	An Emergency Active and Reactive Power Exchange Solution for Interconnected Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2019</b> , 1-1	5.6	4
79	Artificial Intelligence Aided Automated Design for Reliability of Power Electronic Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 7161-7171	7.2	58
78	Model Predictive Control of DCDC Converters to Mitigate the Effects of Pulsed Power Loads in Naval DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 5676-5685	8.9	69
77	Software-Defined Microgrid Control for Resilience Against Denial-of-Service Attacks. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 5258-5268	10.7	28
76	A Stealth Cyber-Attack Detection Strategy for DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 8162-8174	7.2	87
75	Tracking Control for a DC Microgrid Feeding Uncertain Loads in More Electric Aircraft: Adaptive Backstepping Approach. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 5644-5652	8.9	51
74	EKF-Based Predictive Stabilization of Shipboard DC Microgrids With Uncertain Time-Varying Load. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2019</b> , 7, 901-909	5.6	40
73	Weighting Factor Design in Model Predictive Control of Power Electronic Converters: An Artificial Neural Network Approach. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 8870-8880	8.9	113
72	Adaptive TS Fuzzy-Based MPC for DC Microgrids With Dynamic CPLs: Nonlinear Power Observer Approach. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3203-3210	4.3	35
71	Nonlinear Model Predictive Speed Control of Electric Vehicles Represented by Linear Parameter Varying Models With Bias Terms. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2019</b> , 7, 2081-2089	5.6	22
70	Networked Fuzzy Predictive Control of Power Buffers for Dynamic Stabilization of DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 1356-1362	8.9	79
69	. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 10872-10884	7.2	85
68	Graphical Evaluation of Time-Delay Compensation Techniques for Digitally Controlled Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 2601-2614	7.2	48
67	Particle Swarm Optimization Based Solar PV Array Reconfiguration of the Maximum Power Extraction Under Partial Shading Conditions. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 74-85	8.2	150
66	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 853-861	8.2	102
65	Adaptive Control Design for Autonomous Operation of Multiple Energy Storage Systems in Power Smoothing Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 6612-6624	8.9	11

64	Model Predictive Control of Power Converters for Robust and Fast Operation of AC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 6304-6317	7.2	153
63	Improved Stabilization of Nonlinear DC Microgrids: Cubature Kalman Filter Approach. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5104-5112	4.3	53
62	A Novel Cloud-Based Platform for Implementation of Oblivious Power Routing for Clusters of Microgrids. <i>IEEE Access</i> , <b>2017</b> , 5, 607-619	3.5	56
61	A new hybrid bee pollinator flower pollination algorithm for solar PV parameter estimation. <i>Energy Conversion and Management</i> , <b>2017</b> , 135, 463-476	10.6	171
60	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 2369-2381	4.3	82
59	Recent Advances in Control, Analysis and Design of DC Distribution Systems and Microgrids. <i>Electric Power Components and Systems</i> , <b>2017</b> , 45, 1031-1031	1	4
58	An optimal general type-2 fuzzy controller for Urban Traffic Network. <i>ISA Transactions</i> , <b>2017</b> , 66, 335-343	3.5	36
57	Model-predictive control based on Takagi-Sugeno fuzzy model for electrical vehicles delayed model. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 918-934	1.8	57
56	. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 7, 1504-1515	10.7	123
55	Small-Signal Analysis of the Microgrid Secondary Control Considering a Communication Time Delay. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 6257-6269	8.9	131
54	. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 827-838	7.2	113
53	Microgrid supervisory controllers and energy management systems: A literature review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 60, 1263-1273	16.2	211
52	. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 6674-6685	7.2	53
51	. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 3528-3549	7.2	605
50	Optimal planning and operation management of a ship electrical power system with energy storage system <b>2016</b> ,		19
49	<b>2016</b> ,		9
48	A robust adaptive load frequency control for micro-grids. <i>ISA Transactions</i> , <b>2016</b> , 65, 220-229	5.5	97
47	Hierarchical control with virtual resistance optimization for efficiency enhancement and State-of-Charge balancing in DC microgrids <b>2015</b> ,		15



46	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2615-2626	10.7	82
45	Multi-agent-based distributed state of charge balancing control for distributed energy storage units in AC microgrids <b>2015</b> ,		24
44	Optimal utilization of microgrids supplemented with battery energy storage systems in grid support applications <b>2015</b> ,		19
43	Fuzzy droop control loops adjustment for stored energy balance in distributed energy storage system <b>2015</b> ,		11
42	. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 1-1	7.2	488
41	Distributed cooperative control of multi flywheel energy storage system for electrical vehicle fast charging stations <b>2015</b> ,		3
40	Modeling and sensitivity analysis of consensus algorithm based distributed hierarchical control for DC microgrids <b>2015</b> ,		4
39	Dynamic consensus algorithm based distributed voltage harmonic compensation in islanded microgrids <b>2015</b> ,		3
38	Flexible System Integration and Advanced Hierarchical Control Architectures in the Microgrid Research Laboratory of Aalborg University. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 1-1	4.3	23
37	Distributed low voltage ride-through operation of power converters in grid-connected microgrids under voltage sags <b>2015</b> ,		4
36	Stored energy balance for distributed PV-based active generators in an AC microgrid <b>2015</b> ,		7
35	Zonal protection of DC swarm microgrids using a novel multi-terminal grid interface with decentralized control <b>2015</b> ,		4
34	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2627-2638	10.7	112
33	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 1156-1166	10.7	142
32	Capacity Optimization of Renewable Energy Sources and Battery Storage in an Autonomous Telecommunication Facility. <i>IEEE Transactions on Sustainable Energy</i> , <b>2014</b> , 5, 1367-1378	8.2	66
31	Robust Networked Control Scheme for Distributed Secondary Control of Islanded Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 5363-5374	8.9	168
30	Power flow analysis for DC voltage droop controlled DC microgrids <b>2014</b> ,		4
29	. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 922-933	5.4	235



28	Autonomous Active Power Control for Islanded AC Microgrids With Photovoltaic Generation and Energy Storage System. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 882-892	5.4	172
27	A Distributed Control Strategy for Coordination of an Autonomous LVDC Microgrid Based on Power-Line Signaling. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 3313-3326	8.9	116
26	Modeling and control of flexible HEV charging station upgraded with flywheel energy storage <b>2014</b> ,		3
25	Control of single-phase islanded PV/battery minigrids based on power-line signaling <b>2014</b> ,		2
24	Voltage scheduling droop control for State-of-Charge balance of distributed energy storage in DC microgrids <b>2014</b> ,		6
23	. <i>IEEE Transactions on Smart Grid</i> , <b>2014</b> , 5, 2476-2485	10.7	185
22	Modeling, stability analysis and active stabilization of multiple DC-microgrid clusters <b>2014</b> ,		40
21	Dynamic consensus algorithm based distributed global efficiency optimization of a droop controlled DC microgrid <b>2014</b> ,		46
20	<b>2014</b> ,		24
19	Resonance damping techniques for grid-connected voltage source converters with LCL filters [A review] <b>2014</b> ,		7
18	Flywheel-Based Distributed Bus Signalling Strategy for the Public Fast Charging Station. <i>IEEE Transactions on Smart Grid</i> , <b>2014</b> , 5, 2825-2835	10.7	46
17	A device-level service-oriented middleware platform for self-manageable DC microgrid applications utilizing semantic-enabled distributed energy resources. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 54, 576-588	5.1	28
16	Modular power architectures for microgrid clusters <b>2014</b> ,		1
15	Supervisory Control of an Adaptive-Droop Regulated DC Microgrid With Battery Management Capability. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 695-706	7.2	477
14	Distributed consensus-based control of multiple DC-microgrids clusters <b>2014</b> ,		32
13	Flexible local load controller for fast electric vehicle charging station supplemented with flywheel energy storage system <b>2014</b> ,		2
12	A single phase seven-level grid-connected inverter based on three reference SPWM strategy <b>2014</b> ,		2
11	Agent-based distributed unbalance compensation for optimal power quality in islanded microgrids <b>2014</b> ,		1

10	Multiagent based distributed control for state-of-charge balance of distributed energy storage in DC microgrids <b>2014</b> ,	31
9	Control of single-phase islanded PV/battery streetlight cluster based on power-line signaling <b>2013</b> ,	5
8	Battery state-of-charge and parameter estimation algorithm based on Kalman filter <b>2013</b> ,	12
7	Stability constrained efficiency optimization for droop controlled DC-DC conversion system <b>2013</b> ,	1
6	A novel robust communication algorithm for distributed secondary control of islanded MicroGrids <b>2013</b> ,	3
5	Coordinated primary and secondary control with frequency-bus-signaling for distributed generation and storage in islanded microgrids <b>2013</b> ,	1
4	Optimization with system damping restoration for droop controlled DC-DC converters <b>2013</b> ,	18
3	Coordinated power control strategy based on primary-frequency-signaling for islanded microgrids <b>2013</b> ,	10
2	Economic dispatch of virtual power plants in an event-driven service-oriented framework using standards-based communications. <i>Electric Power Systems Research</i> , <b>2011</b> , 81, 2108-2119	3-5 54
1	Modelling different scenarios of Virtual Power Plant operating possibilities <b>2010</b> ,	3