Antonio Camacho Santiago

List of Publications by Year
in descending order

55 papers	2,100 citations	430442 18 h-index	395343 33 g-index
55 all docs	55 docs citations	55 times ranked	1555 citing authors

#	Article	IF	Citations
1	Complex Power Sharing Is Not Complex. IEEE Transactions on Smart Grid, 2022, 13, 1762-1773.	6.2	3
2	Collaborative Voltage Unbalance Elimination in Grid-Connected AC Microgrids With Grid-Feeding Inverters. IEEE Transactions on Power Electronics, 2021, 36, 7189-7201.	5.4	12
3	Positive-Sequence Voltage Control, Full Negative-Sequence Cancellation, and Current Limitation for Static Compensators. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6613-6623.	3.7	16
4	A distributed control for accurate activeâ€power sharing in islanded microgrids subject to clock drifts. IET Power Electronics, 2021, 14, 518-530.	1.5	1
5	Active Power Sharing and Frequency Regulation in Droop-Free Control for Islanded Microgrids Under Electrical and Communication Failures. IEEE Transactions on Industrial Electronics, 2020, 67, 6461-6472.	5.2	45
6	Enabling Grid-Feeding Converters With a Dissonant-Resonant Controller for Negative-Sequence Voltage Elimination. IEEE Transactions on Power Electronics, 2020, 35, 4342-4352.	5.4	5
7	Droopâ€free hierarchical control strategy for inverterâ€based AC microgrids. IET Power Electronics, 2020, 13, 1403-1415.	1.5	14
8	Avoiding overvoltage problems in threeâ€phase distributedâ€generation systems during unbalanced voltage sags. IET Power Electronics, 2020, 13, 1537-1545.	1.5	6
9	Imbalance-Voltage Mitigation in an Inverter-Based Distributed Generation System Using a Minimum Current-Based Control Strategy. IEEE Transactions on Power Delivery, 2020, 35, 1399-1409.	2.9	15
10	Local Secondary Control for Inverter-Based Islanded Microgrids With Accurate Active Power Sharing Under High-Load Conditions. IEEE Transactions on Industrial Electronics, 2019, 66, 2529-2539.	5.2	19
11	Plâ€based controller for lowâ€power distributed inverters to maximise reactive current injection while avoiding over voltage during voltage sags. IET Power Electronics, 2019, 12, 83-91.	1.5	16
12	Receding-Horizon Model-Predictive Control for a Three-Phase VSI With an LCL Filter. IEEE Transactions on Industrial Electronics, 2019, 66, 6671-6680.	5.2	73
13	Analysis of Consensus-Based Islanded Microgrids Subject to Unexpected Electrical and Communication Partitions. IEEE Transactions on Smart Grid, 2019, 10, 5125-5135.	6.2	12
14	Microgrid Architecture Evaluation for Small and Medium Size Industries. International Journal of Emerging Electric Power Systems, 2018, 19, .	0.6	1
15	Positive and Negative Sequence Control Strategies to Maximize the Voltage Support in Resistiveâ€“Inductive Grids During Grid Faults. IEEE Transactions on Power Electronics, 2018, 33, 5362-5373.	5.4	108
16	Control Strategy for Distribution Generation Inverters to Maximize the Voltage Support in the Lowest Phase During Voltage Sags. IEEE Transactions on Industrial Electronics, 2018, 65, 2346-2355.	5.2	50
17	Local hierarchical control for industrial microgrids with improved frequency regulation. , 2018, , .		0
18	Voltage Support Experimental Analysis of a Low-Voltage Ride-Through Strategy Applied to Grid-Connected Distributed Inverters. Energies, 2018, 11, 1949.	1.6	6

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19	Impact of Clock Drifts on Communication-Free Secondary Control Schemes for Inverter-Based Islanded Microgrids. IEEE Transactions on Industrial Electronics, 2018, 65, 4739-4749.	5.2	29
20	Voltage sag mitigation in a PV-based industrial microgrid during grid faults. , 2017, , .		5
21	Consensus for active power sharing and frequency restoration in islanded microgrids subject to drifting clocks. , 2017, , .		5
22	Finite Control Set Model Predictive Control for a Three-Phase Shunt Active Power Filter with a Kalman Filter-Based Estimation. Energies, 2017, 10, 1553.	1.6	11
23	A Flexible Experimental Laboratory for Distributed Generation Networks Based on Power Inverters. Energies, 2017, 10, 1589.	1.6	18
24	Performance Comparison of Grid-Faulty Control Schemes for Inverter-Based Industrial Microgrids. Energies, 2017, 10, 2096.	1.6	7
25	Synchronization of local integral controllers for frequency restoration in islanded microgrids. , 2016, , .		8
26	Design and control of a small-scale industrial microgrid in islanding mode. , 2016, , .		1
27	Communication-aware consensus for frequency restoration in islanded MicroGrids. , 2016, , .		2
28	Maximizing positive sequence voltage support in inductive-resistive grids for distributed generation inverters during voltage sags. , 2016, , .		13
29	Reactive current injection protocol for lowâ€power rating distributed generation sources under voltage sags. IET Power Electronics, 2015, 8, 879-886.	1.5	25
30	Active and Reactive Power Strategies With Peak Current Limitation for Distributed Generation Inverters During Unbalanced Grid Faults. IEEE Transactions on Industrial Electronics, 2015, 62, 1515-1525.	5.2	240
31	Internet-based control of a ball-and-plate system: A case study of modeling and automatic code generation for networked control systems. , 2014, , .		1
32	Voltage Support Control Strategies for Static Synchronous Compensators Under Unbalanced Voltage Sags. IEEE Transactions on Industrial Electronics, 2014, 61, 808-820.	5.2	120
33	Modeling and Design of Voltage Support Control Schemes for Three-Phase Inverters Operating Under Unbalanced Grid Conditions. IEEE Transactions on Power Electronics, 2014, 29, 6139-6150.	5.4	45
34	Reactive Power Control for Distributed Generation Power Plants to Comply With Voltage Limits During Grid Faults. IEEE Transactions on Power Electronics, 2014, 29, 6224-6234.	5.4	164
35	Distributed reactive power control methods to avoid voltage rise in grid-connected photovoltaic power generation systems. , 2013, , .		3
36	Active damping control for a three phase grid-connected inverter using sliding mode control. , 2013, , .		15

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37	Reduction of Current Harmonic Distortion in Three-Phase Grid-Connected Photovoltaic Inverters via Resonant Current Control. IEEE Transactions on Industrial Electronics, 2013, 60, 1464-1472.	5.2	155
38	Flexible Voltage Support Control for Three-Phase Distributed Generation Inverters Under Grid Fault. IEEE Transactions on Industrial Electronics, 2013, 60, 1429-1441.	5.2	280
39	Control Scheme With Voltage Support Capability for Distributed Generation Inverters Under Voltage Sags. IEEE Transactions on Power Electronics, 2013, 28, 5252-5262.	5.4	140
40	Mixing local and distributed reactive power control for balancing inverters' effort in grid-connected photovoltaic systems. , 2013, , .		0
41	Control strategies based On effective power factor for Distributed Generation power plants during unbalanced grid voltage. , 2013, , .		4
42	Power sharing control in islanded microgrid using event driven communication. , 2013, , .		3
43	Coordinated reactive power control for static synchronous compensators under unbalanced voltage sags. , 2012, , .		9
44	On the use of communication infrastructure in distributed power generation: A preliminary case study. , 2012, , .		1
45	Control Scheme for Photovoltaic Three-Phase Inverters to Minimize Peak Currents During Unbalanced Grid-Voltage Sags. IEEE Transactions on Power Electronics, 2012, 27, 4262-4271.	5.4	210
46	Fast grid synchronization technique based on a multiple cascaded general integrator scheme for distributed generation inverters. , 2012, , .		12
47	Decoupled sliding mode control for three-phase LCL VSI operating at fixed switching frequency. , 2012, , .		5
48	Reactive power control for voltage support during type C voltage-sags. , 2012, , .		8
49	Optimal Online Sampling Period Assignment: Theory and Experiments. IEEE Transactions on Control Systems Technology, 2011, 19, 902-910.	3.2	54
50	Networked sliding mode control of the double integrator system using the event-driven self-triggered approach. , 2011, , .		4
51	Efficient Utilization of Bus Idle Times in CAN-based Networked Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 121-126.	0.4	0
52	Synchronizing sampling and actuation in the absence of global time in Networked Control Systems. , 2010, , .		4
53	Runtime Allocation of Optional Control Jobs to a Set of CAN-Based Networked Control Systems. IEEE Transactions on Industrial Informatics, 2010, 6, 503-520.	7.2	41
54	Design of an Embedded Control System Laboratory Experiment. IEEE Transactions on Industrial Electronics, 2010, 57, 3297-3307.	5.2	27

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55	Self-triggered networked control systems: An experimental case study. , 2010, , .		29