

# Guido Cavraro

## List of Publications by Year in descending order

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30  
papers

819  
citations

1464605

7  
h-index

1336881

12  
g-index

30  
all docs

30  
docs citations

30  
times ranked

760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Region of Attraction Characterization for Control and Stabilization of Load Tap Changer Dynamics. IEEE Transactions on Control of Network Systems, 2022, 9, 1506-1517.	2.4	2
2	Agent-Supervisor Coordination for Decentralized Event-Triggered Optimization. , 2022, 6, 1970-1975.		0
3	Feedback Power Cost Optimization in Power Distribution Networks With Prosumers. IEEE Transactions on Control of Network Systems, 2022, 9, 1633-1644.	2.4	4
4	Ripple-Type Control for Enhancing Resilience of Networked Physical Systems. , 2021, , .		1
5	Emergency Voltage Regulation in Power Systems via Ripple-Type Control. , 2021, , .		2
6	Real-Time Identifiability of Power Distribution Network Topologies With Limited Monitoring. , 2020, 4, 325-330.		27
7	Partition-based multi-agent optimization in the presence of lossy and asynchronous communication. Automatica, 2020, 111, 108648.	3.0	10
8	Bus Clustering for Distribution Grid Topology Identification. IEEE Transactions on Smart Grid, 2020, 11, 4080-4089.	6.2	13
9	Distributed Minimization of the Power Generation Cost in Prosumer-Based Distribution Networks. , 2020, , .		5
10	On the Need for Communication for Voltage Regulation of Power Distribution Grids. IEEE Transactions on Control of Network Systems, 2019, 6, 1111-1123.	2.4	45
11	A Master/Slave Approach to Power Flow and Overvoltage Control in Low-Voltage Microgrids. Energies, 2019, 12, 2760.	1.6	7
12	Inverter Probing for Power Distribution Network Topology Processing. IEEE Transactions on Control of Network Systems, 2019, 6, 980-992.	2.4	42
13	Dynamic Power Network State Estimation with Asynchronous Measurements. , 2019, , .		10
14	An MILP Approach for Distribution Grid Topology Identification using Inverter Probing. , 2019, , .		6
15	Voltage Analytics for Power Distribution Network Topology Verification. IEEE Transactions on Smart Grid, 2019, 10, 1058-1067.	6.2	77
16	Power Distribution Network Topology Detection With Time-Series Signature Verification Method. IEEE Transactions on Power Systems, 2018, 33, 3500-3509.	4.6	93
17	Local and Distributed Voltage Control Algorithms in Distribution Networks. IEEE Transactions on Power Systems, 2018, 33, 1420-1430.	4.6	62
18	Graph Algorithms for Topology Identification Using Power Grid Probing. , 2018, 2, 689-694.		57

#	ARTICLE	IF	CITATIONS
19	The value of communication in the voltage regulation problem. , 2016, , .		32
20	A master/slave control of distributed energy resources in low-voltage microgrids. , 2016, , .		11
21	Algorithms for voltage control in distribution networks. , 2015, , .		5
22	Topology detection in microgrids with micro-synchrophasors. , 2015, , .		45
23	Distributed Reactive Power Feedback Control for Voltage Regulation and Loss Minimization. IEEE Transactions on Automatic Control, 2015, 60, 966-981.	3.6	194
24	A distributed control algorithm for the minimization of the power generation cost in smart micro-grid. , 2014, , .		19
25	A distributed control strategy for optimal reactive power flow with power and voltage constraints. , 2013, , .		13
26	A distributed control strategy for optimal reactive power flow with power constraints. , 2013, , .		10
27	A Distributed Feedback Control Approach to the Optimal Reactive Power Flow Problem. Lecture Notes in Control and Information Sciences, 2013, , 259-277.	0.6	8
28	A game theory framework for active power injection management with voltage boundary in smart grids. , 2013, , .		4
29	Performance analysis of a distributed algorithm for dynamic reactive power compensation. , 2012, , .		4
30	A linear dynamic model for microgrid voltages in presence of distributed generation. , 2011, , .		11