

Ettore Francesco Bompard

List of Publications by Year in descending order

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44
papers

765
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687363

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44
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44
docs citations

44
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding Communities From a New Functional Perspective in Power Grids. IEEE Systems Journal, 2022, 16, 3072-3083.	4.6	4
2	Stability and Accuracy Analysis of a Distributed Digital Real-Time Cosimulation Infrastructure. IEEE Transactions on Industry Applications, 2022, 58, 3193-3204.	4.9	9
3	Assessing the role of fluctuating renewables in energy transition: Methodologies and tools. Applied Energy, 2022, 314, 118968.	10.1	15
4	Forecasting Electricity Price in Different Time Horizons: An Application to the Italian Electricity Market. IEEE Transactions on Industry Applications, 2021, 57, 5726-5736.	4.9	18
5	Modelling and Control of a Grid-Connected RES-Hydrogen Hybrid Microgrid. Energies, 2021, 14, 1540.	3.1	13
6	Model-Based Identification of Alternative Bidding Zones: Applications of Clustering Algorithms with Topology Constraints. Energies, 2021, 14, 2763.	3.1	7
7	Latency and Simulation Stability in a Remote Power Hardware-in-the-Loop Cosimulation Testbed. IEEE Transactions on Industry Applications, 2021, 57, 3463-3473.	4.9	9
8	Impact of Wind and Solar Generation on the Italian Zonal Electricity Price. Energies, 2021, 14, 5858.	3.1	2
9	A Distributed Multimodel Platform to Cosimulate Multienergy Systems in Smart Buildings. IEEE Transactions on Industry Applications, 2021, 57, 4428-4440.	4.9	11
10	The Immediate Impacts of COVID-19 on European Electricity Systems: A First Assessment and Lessons Learned. Energies, 2021, 14, 96.	3.1	30
11	Stability and Accuracy Analysis of a Real-time Co-simulation Infrastructure. , 2021, , .		2
12	Connecting in Real-time Power System Labs: an Italian Test-case. , 2020, , .		6
13	A Distributed Platform for Multi-modelling Co-simulations of Smart Building Energy Behaviour. , 2020, , .		3
14	Impact of Power-to-Gas on distribution systems with large renewable energy penetration. Energy Conversion and Management: X, 2020, 7, 100053.	1.6	5
15	Technical and Economic Impact of the Inertia Constraints on Power Plant Unit Commitment. IEEE Open Access Journal of Power and Energy, 2020, 7, 441-452.	3.4	6
16	Predictive methods of electricity price: an application to the Italian electricity market. , 2020, , .		3
17	Remote PHIL Distributed Co-Simulation Lab for TSO-DSO-Customer Coordination Studies. , 2020, , .		8
18	Techno-economic Impacts of COVID-19 Pandemic on the Italian Electricity System. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	A Real-Time Based Platform for Integrating Power-to-Gas in Electrical Distribution Grids. , 2020, , .		3
20	Complex Network-Based Cascading Faults Graph for the Analysis of Transmission Network Vulnerability. IEEE Transactions on Industrial Informatics, 2019, 15, 1265-1276.	11.3	54
21	Assessing the Impacts of Demand-Side Flexibility on the Performance of the Europe-Wide Integrated Day-Ahead Electricity Market. , 2019, , .		8
22	Remote Hardware-In-the-Loop Measurement System for Electrolyser Characterization. , 2019, , .		3
23	An Extended Metric for the Analysis of Power-Network Vulnerability: the Line Electrical Centrality. , 2019, , .		4
24	Mitigation of frequency stability issues in low inertia power systems using synchronous compensators and battery energy storage systems. IET Generation, Transmission and Distribution, 2019, 13, 3951-3959.	2.5	32
25	Discussion about the Weather Impact on the Daily Outages in Urban Distribution System. , 2019, , .		2
26	Prediction of Power Outages in Distribution Network with Grey Theory. , 2019, , .		3
27	Data-driven Feature Description of Heat Wave Effect on Distribution System. , 2019, , .		3
28	The Impacts of an Integrated European day-ahead and Intraday Electricity Market on Market Performance: The Iberian Region Case. , 2019, , .		3
29	An Incentive-Based Settlement Mechanism for Participation of Flexible Demands in Day-ahead Markets. , 2019, , .		5
30	A Novel Cascading Faults Graph Based Transmission Network Vulnerability Assessment Method. IEEE Transactions on Power Systems, 2018, 33, 2995-3000.	6.5	73
31	A Day-Ahead Joint Energy and Uncertainty Reserve Market Clearing Model to Manage VRE Uncertainty. , 2018, , .		4
32	A Global Real-Time Superlab: Enabling High Penetration of Power Electronics in the Electric Grid. IEEE Power Electronics Magazine, 2018, 5, 35-44.	0.7	54
33	Baltic Power Systemsâ€™ Integration into the EU Market Coupling under Different Desynchronization Schemes: A Comparative Market Analysis. Energies, 2018, 11, 1945.	3.1	13
34	World Decarbonization through Global Electricity Interconnections. Energies, 2018, 11, 1746.	3.1	7
35	Self-Sustainable Community of Electricity Prosumers in the Emerging Distribution System. IEEE Transactions on Smart Grid, 2017, 8, 2207-2216.	9.0	60
36	A Flexible Distributed Infrastructure for Real-Time Cosimulations in Smart Grids. IEEE Transactions on Industrial Informatics, 2017, 13, 3265-3274.	11.3	31

#	ARTICLE	IF	CITATIONS
37	Nonsynchronous load flow: Smart grid load flow using non-synchronized measurements. , 2017, , .		3
38	Dynamic phasors to enable distributed real-time simulation. , 2017, , .		9
39	Multi-site European framework for real-time co-simulation of power systems. IET Generation, Transmission and Distribution, 2017, 11, 4126-4135.	2.5	47
40	Virtual integration of laboratories over long distance for real-time co-simulation of power systems. , 2016, , .		17
41	Paths Toward Smart Energy: A Framework for Comparison of the EU and China Energy Policy. IEEE Transactions on Sustainable Energy, 2014, 5, 423-433.	8.8	10
42	Extended Topological Metrics for the Analysis of Power Grid Vulnerability. IEEE Systems Journal, 2012, 6, 481-487.	4.6	124
43	Market Equilibrium Under Incomplete and Imperfect Information in Bilateral Electricity Markets. IEEE Transactions on Power Systems, 2011, 26, 1231-1240.	6.5	22
44	Congestion management impacts on bilateral electricity markets under strategic negotiation. Electric Power Systems Research, 2011, 81, 1161-1170.	3.6	16