

# Ettore Francesco Bompard

## List of Publications by Year in descending order

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44  
papers

765  
citations

687363

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44  
all docs

44  
docs citations

44  
times ranked

729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended Topological Metrics for the Analysis of Power Grid Vulnerability. IEEE Systems Journal, 2012, 6, 481-487.	4.6	124
2	A Novel Cascading Faults Graph Based Transmission Network Vulnerability Assessment Method. IEEE Transactions on Power Systems, 2018, 33, 2995-3000.	6.5	73
3	Self-Sustainable Community of Electricity Prosumers in the Emerging Distribution System. IEEE Transactions on Smart Grid, 2017, 8, 2207-2216.	9.0	60
4	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
5	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
6	Multi-site European framework for real-time co-simulation of power systems. IET Generation, Transmission and Distribution, 2017, 11, 4126-4135.	2.5	47
7	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
8	A Flexible Distributed Infrastructure for Real-Time Cosimulations in Smart Grids. IEEE Transactions on Industrial Informatics, 2017, 13, 3265-3274.	11.3	31
9	The Immediate Impacts of COVID-19 on European Electricity Systems: A First Assessment and Lessons Learned. Energies, 2021, 14, 96.	3.1	30
10	Market Equilibrium Under Incomplete and Imperfect Information in Bilateral Electricity Markets. IEEE Transactions on Power Systems, 2011, 26, 1231-1240.	6.5	22
11	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
12	Virtual integration of laboratories over long distance for real-time co-simulation of power systems. , 2016, , .		17
13	Congestion management impacts on bilateral electricity markets under strategic negotiation. Electric Power Systems Research, 2011, 81, 1161-1170.	3.6	16
14	Assessing the role of fluctuating renewables in energy transition: Methodologies and tools. Applied Energy, 2022, 314, 118968.	10.1	15
15	Baltic Power Systemsâ€™ Integration into the EU Market Coupling under Different Desynchronization Schemes: A Comparative Market Analysis. Energies, 2018, 11, 1945.	3.1	13
16	Modelling and Control of a Grid-Connected RES-Hydrogen Hybrid Microgrid. Energies, 2021, 14, 1540.	3.1	13
17	A Distributed Multimodel Platform to Cosimulate Multienergy Systems in Smart Buildings. IEEE Transactions on Industry Applications, 2021, 57, 4428-4440.	4.9	11
18	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

#	ARTICLE	IF	CITATIONS
19	Dynamic phasors to enable distributed real-time simulation. , 2017, , .		9
20	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
21	Stability and Accuracy Analysis of a Distributed Digital Real-Time Cosimulation Infrastructure. IEEE Transactions on Industry Applications, 2022, 58, 3193-3204.	4.9	9
22	Assessing the Impacts of Demand-Side Flexibility on the Performance of the Europe-Wide Integrated Day-Ahead Electricity Market. , 2019, , .		8
23	Remote PHIL Distributed Co-Simulation Lab for TSO-DSO-Customer Coordination Studies. , 2020, , .		8
24	World Decarbonization through Global Electricity Interconnections. Energies, 2018, 11, 1746.	3.1	7
25	Model-Based Identification of Alternative Bidding Zones: Applications of Clustering Algorithms with Topology Constraints. Energies, 2021, 14, 2763.	3.1	7
26	Connecting in Real-time Power System Labs: an Italian Test-case. , 2020, , .		6
27	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
28	An Incentive-Based Settlement Mechanism for Participation of Flexible Demands in Day-ahead Markets. , 2019, , .		5
29	Impact of Power-to-Gas on distribution systems with large renewable energy penetration. Energy Conversion and Management: X, 2020, 7, 100053.	1.6	5
30	A Day-Ahead Joint Energy and Uncertainty Reserve Market Clearing Model to Manage VRE Uncertainty. , 2018, , .		4
31	An Extended Metric for the Analysis of Power-Network Vulnerability: the Line Electrical Centrality. , 2019, , .		4
32	Techno-economic Impacts of COVID-19 Pandemic on the Italian Electricity System. , 2020, , .		4
33	Understanding Communities From a New Functional Perspective in Power Grids. IEEE Systems Journal, 2022, 16, 3072-3083.	4.6	4
34	Nonsy load flow: Smart grid load flow using non-synchronized measurements. , 2017, , .		3
35	Remote Hardware-In-the-Loop Measurement System for Electrolyser Characterization. , 2019, , .		3
36	Prediction of Power Outages in Distribution Network with Grey Theory. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
37	Data-driven Feature Description of Heat Wave Effect on Distribution System. , 2019, , .		3
38	The Impacts of an Integrated European day-ahead and Intraday Electricity Market on Market Performance: The Iberian Region Case. , 2019, , .		3
39	A Distributed Platform for Multi-modelling Co-simulations of Smart Building Energy Behaviour. , 2020, , .		3
40	Predictive methods of electricity price: an application to the Italian electricity market. , 2020, , .		3
41	A Real-Time Based Platform for Integrating Power-to-Gas in Electrical Distribution Grids. , 2020, , .		3
42	Discussion about the Weather Impact on the Daily Outages in Urban Distribution System. , 2019, , .		2
43	Impact of Wind and Solar Generation on the Italian Zonal Electricity Price. Energies, 2021, 14, 5858.	3.1	2
44	Stability and Accuracy Analysis of a Real-time Co-simulation Infrastructure. , 2021, , .		2