Simone Paoletti

List of Publications by Year
in descending order

46 papers	1,427 citations	687220 13 h-index	887953 17 g-index
50 all docs	50 docs citations	50 times ranked	1140 citing authors

#	Article	IF	Citations
1	Linear Fractional Representations and <i>L</i>â‚‚-Stability Analysis of Continuous Piecewise Affine Systems. , 2021, 5, 229-234.		1
2	On the greedy placement of energy storage systems in distribution grids. , 2020, , .		1
3	Stochastic and deterministic formulations for capacity firming nominations. , 2020, , .		1
4	A community microgrid architecture with an internal local market. Applied Energy, 2019, 242, 547-560.	5.1	88
5	A bilevel programming framework for piecewise affine system identification. , 2019, , .		1
6	A Local Market Model for Community Microgrids. , 2019, , .		2
7	Energy Storage Operation for Voltage Control in Distribution Networks: A Receding Horizon Approach. IEEE Transactions on Control Systems Technology, 2018, 26, 599-609.	3.2	41
8	An Optimization Model for the Electricity Market Clearing Problem With Uniform Purchase Price and Zonal Selling Prices. IEEE Transactions on Power Systems, 2018, 33, 2864-2873.	4.6	27
9	A Scenario-Based Framework for Technical Validation of Demand Response. , 2018, , .		0
10	Introducing Block Orders in the Italian Day-Ahead Electricity Market. , 2018, , .		2
11	Stochastic Optimization for Energy Storage Allocation in Smart Grids in the Presence of Uncertainty. Systems and Control: Foundations and Applications, 2018, , 323-347.	0.1	1
12	Optimal sizing of energy storage systems under uncertain demand and generation. Applied Energy, 2018, 225, 611-621.	5.1	49
13	Optimal management of energy storage systems for residential customers with photovoltaic generation. , 2018, , .		2
14	A new approach to electricity market clearing with uniform purchase price and curtailable block orders. Applied Energy, 2018, 226, 618-630.	5.1	28
15	Optimal Allocation of Energy Storage Systems for Voltage Control in LV Distribution Networks. IEEE Transactions on Smart Grid, 2017, 8, 2859-2870.	6.2	127
16	Coordinated control of on-load tap changer and energy storage systems for voltage support in distribution networks. , 2017, , .		1
17	Sizing of energy storage systems considering uncertainty on demand and generation. IFAC-PapersOnLine, 2017, 50, 8861-8866.	0.5	8
18	An exact solution to the market clearing problem with uniform purchase price. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	A scenario reduction approach for optimal sizing of energy storage systems in power distribution networks. , 2017, , .		2
20	Receding Horizon Voltage Control in LV Networks with Energy Storage. , 2016, , .		3
21	Energy storage sizing for voltage control in LV networks under uncertainty on PV generation. , 2016, , .		6
22	Bidding Wind Energy Exploiting Wind Speed Forecasts. IEEE Transactions on Power Systems, 2016, 31, 2647-2656.	4.6	27
23	Computational methods for technical validation of demand response products. , 2015, , .		2
24	Algorithms for placement and sizing of energy storage systems in low voltage networks. , 2015, , .		4
25	Decision support system development for integrated management of European coastal lagoons. Environmental Modelling and Software, 2015, 64, 47-57.	1.9	16
26	Models and Techniques for Electric Load Forecasting in the Presence of Demand Response. IEEE Transactions on Control Systems Technology, 2015, 23, 1087-1097.	3.2	84
27	Analysis and models of electricity prices in the Italian ancillary services market. , 2014, , .		3
28	DSOs and active demand: Address project outcomes and perspectives. , 2013, , .		1
29	Wind power bidding in a soft penalty market. , 2013, , .		5
30	Model estimation of photovoltaic power generation using partial information. , 2013, , .		18
31	Exploiting weather forecasts for sizing photovoltaic energy bids. , 2013, , .		4
32	Convex relaxations for L2-gain analysis of piecewise affine/polynomial systems. International Journal of Control, 2013, 86, 1207-1213.	1.2	6
33	Estimation of a simple model of solar power generation using partial information. , 2013, , .		4
34	Medium voltage network control centre functionalities to enable and exploit active Demand. , 2012, , .		4
35	Electric load forecasting in the presence of Active Demand. , 2012, , .		7
36	A survey on switched and piecewise affine system identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 344-355.	0.4	115

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37	Lyapunov-Based Robustness Analysis Techniques for Clearance. Lecture Notes in Control and Information Sciences, 2012, , 161-178.	0.6	0
38	Load forecasting for active distribution networks. , 2011, , .		29
39	Identification of Piecewise Affine LFR Models of Interconnected Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 148-155.	3.2	11
40	Exploiting structure in piecewise affine identification of LFT systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 581-586.	0.4	0
41	A necessary and sufficient condition for input-output realization of switched affine state space models. , 2008, , .		6
42	L<inf>2</inf>-stability of hinging hyperplane models via integral quadratic constraints. , 2008, , .		0
43	An iterative procedure for piecewise affine identification of nonlinear interconnected systems. , 2007, , .		5
44	Identification of Hybrid Systems A Tutorial. European Journal of Control, 2007, 13, 242-260.	1.6	320
45	Recent Techniques for the Identification of Piecewise Affine and Hybrid Systems. , 2006, , 79-99.		16
46	A bounded-error approach to piecewise affine system identification. IEEE Transactions on Automatic Control, 2005, 50, 1567-1580.	3.6	291