

Simone Paoletti

List of Publications by Year in descending order

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46
papers

1,427
citations

687363
13
h-index

888059
17
g-index

50
all docs

50
docs citations

50
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Hybrid Systems A Tutorial. European Journal of Control, 2007, 13, 242-260.	2.6	320
2	A bounded-error approach to piecewise affine system identification. IEEE Transactions on Automatic Control, 2005, 50, 1567-1580.	5.7	291
3	Optimal Allocation of Energy Storage Systems for Voltage Control in LV Distribution Networks. IEEE Transactions on Smart Grid, 2017, 8, 2859-2870.	9.0	127
4	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
5	A community microgrid architecture with an internal local market. Applied Energy, 2019, 242, 547-560.	10.1	88
6	Models and Techniques for Electric Load Forecasting in the Presence of Demand Response. IEEE Transactions on Control Systems Technology, 2015, 23, 1087-1097.	5.2	84
7	Optimal sizing of energy storage systems under uncertain demand and generation. Applied Energy, 2018, 225, 611-621.	10.1	49
8	Energy Storage Operation for Voltage Control in Distribution Networks: A Receding Horizon Approach. IEEE Transactions on Control Systems Technology, 2018, 26, 599-609.	5.2	41
9	Load forecasting for active distribution networks. , 2011, , .		29
10	A new approach to electricity market clearing with uniform purchase price and curtailable block orders. Applied Energy, 2018, 226, 618-630.	10.1	28
11	Bidding Wind Energy Exploiting Wind Speed Forecasts. IEEE Transactions on Power Systems, 2016, 31, 2647-2656.	6.5	27
12	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.	6.5	27
13	Model estimation of photovoltaic power generation using partial information. , 2013, , .		18
14	Decision support system development for integrated management of European coastal lagoons. Environmental Modelling and Software, 2015, 64, 47-57.	4.5	16
15	Recent Techniques for the Identification of Piecewise Affine and Hybrid Systems. , 2006, , 79-99.		16
16	Identification of Piecewise Affine LFR Models of Interconnected Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 148-155.	5.2	11
17	Sizing of energy storage systems considering uncertainty on demand and generation. IFAC-PapersOnLine, 2017, 50, 8861-8866.	0.9	8
18	Electric load forecasting in the presence of Active Demand. , 2012, , .		7

#	ARTICLE	IF	CITATIONS
19	A necessary and sufficient condition for input-output realization of switched affine state space models. , 2008, , .		6
20	Convex relaxations for L2-gain analysis of piecewise affine/polynomial systems. International Journal of Control, 2013, 86, 1207-1213.	1.9	6
21	Energy storage sizing for voltage control in LV networks under uncertainty on PV generation. , 2016, , .		6
22	An iterative procedure for piecewise affine identification of nonlinear interconnected systems. , 2007, , .		5
23	Wind power bidding in a soft penalty market. , 2013, , .		5
24	Medium voltage network control centre functionalities to enable and exploit active Demand. , 2012, , .		4
25	Exploiting weather forecasts for sizing photovoltaic energy bids. , 2013, , .		4
26	Estimation of a simple model of solar power generation using partial information. , 2013, , .		4
27	Algorithms for placement and sizing of energy storage systems in low voltage networks. , 2015, , .		4
28	Analysis and models of electricity prices in the Italian ancillary services market. , 2014, , .		3
29	Receding Horizon Voltage Control in LV Networks with Energy Storage. , 2016, , .		3
30	Computational methods for technical validation of demand response products. , 2015, , .		2
31	A scenario reduction approach for optimal sizing of energy storage systems in power distribution networks. , 2017, , .		2
32	Introducing Block Orders in the Italian Day-Ahead Electricity Market. , 2018, , .		2
33	Optimal management of energy storage systems for residential customers with photovoltaic generation. , 2018, , .		2
34	A Local Market Model for Community Microgrids. , 2019, , .		2
35	DSOs and active demand: Address project outcomes and perspectives. , 2013, , .		1
36	Coordinated control of on-load tap changer and energy storage systems for voltage support in distribution networks. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	An exact solution to the market clearing problem with uniform purchase price. , 2017, , .		1
38	Stochastic Optimization for Energy Storage Allocation in Smart Grids in the Presence of Uncertainty. Systems and Control: Foundations and Applications, 2018, , 323-347.	0.3	1
39	A bilevel programming framework for piecewise affine system identification. , 2019, , .		1
40	On the greedy placement of energy storage systems in distribution grids. , 2020, , .		1
41	Stochastic and deterministic formulations for capacity firming nominations. , 2020, , .		1
42	Linear Fractional Representations and L_∞ -Stability Analysis of Continuous Piecewise Affine Systems. , 2021, 5, 229-234.		1
43	L_∞ -stability of hinging hyperplane models via integral quadratic constraints. , 2008, , .		0
44	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
45	A Scenario-Based Framework for Technical Validation of Demand Response. , 2018, , .		0
46	Lyapunov-Based Robustness Analysis Techniques for Clearance. Lecture Notes in Control and Information Sciences, 2012, , 161-178.	1.0	0