

Andrea Michiorri

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

987
citations

430874

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h-index

677142

22
g-index

34
all docs

34
docs citations

34
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Forecasting for dynamic line rating. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 1713-1730.	16.4	117
2	Optimal Participation of Residential Aggregators in Energy and Local Flexibility Markets. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 1644-1656.	9.0	95
3	Stochastic operation of home energy management systems including battery cycling. <i>Applied Energy</i> , 2018, 225, 1205-1218.	10.1	71
4	Scenario generation of aggregated Wind, Photovoltaics and small Hydro production for power systems applications. <i>Applied Energy</i> , 2019, 242, 1396-1406.	10.1	59
5	Robust optimization for day-ahead market participation of smart-home aggregators. <i>Applied Energy</i> , 2018, 229, 433-445.	10.1	57
6	Understanding the Benefits of Dynamic Line Rating Under Multiple Sources of Uncertainty. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 3306-3314.	6.5	52
7	Coordinated output control of multiple distributed generation schemes. <i>IET Renewable Power Generation</i> , 2010, 4, 283.	3.1	49
8	Overhead lines Dynamic Line rating based on probabilistic day-ahead forecasting and risk assessment. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 110, 565-578.	5.5	46
9	Technical assessment of electric heat boosters in low-temperature district heating based on combined heat and power analysis. <i>Energy</i> , 2018, 150, 938-949.	8.8	42
10	Investigation into the influence of environmental conditions on power system ratings. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2009, 223, 743-757.	1.4	41
11	Optimal Offer of Automatic Frequency Restoration Reserve From a Combined PV/Wind Virtual Power Plant. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 6155-6170.	6.5	41
12	Incorporating flexibility options into distribution grid reinforcement planning: A techno-economic framework approach. <i>Applied Energy</i> , 2019, 254, 113662.	10.1	36
13	Optimal Dynamic Line Rating Forecasts Selection Based on Ampacity Probabilistic Forecasting and Network Operators' Risk Aversion. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 2836-2845.	6.5	34
14	Dynamic thermal rating for increasing network capacity and delaying network reinforcements. , 2008, , ,		31
15	Overhead line real-time rating estimation algorithm: Description and validation. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2010, 224, 293-304.	1.4	29
16	Incorporate flexibility in distribution grid planning through a framework solution. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 111, 66-78.	5.5	28
17	Forecasting real-time ratings for electricity distribution networks using weather forecast data. , 2009, , ,		25
18	Probabilistic day-ahead forecasting of household electricity demand. <i>CIREN - Open Access Proceedings Journal</i> , 2017, 2017, 2500-2504.	0.1	25

#	ARTICLE	IF	CITATIONS
19	Storage sizing for grid connected hybrid wind and storage power plants taking into account forecast errors autocorrelation. Renewable Energy, 2018, 117, 380-392.	8.9	23
20	Comparative Analysis of Adjustable Robust Optimization Alternatives for the Participation of Aggregated Residential Prosumers in Electricity Markets. Energies, 2019, 12, 1019.	3.1	18
21	Dynamic thermal rating and active control for improved distribution network utilisation. , 2010, , .		14
22	A local energy management system for solar integration and improved security of supply: The Nice Grid project. , 2012, , .		9
23	Short-term forecast of automatic frequency restoration reserve from a renewable energy based virtual power plant. , 2017, , .		9
24	Day-Ahead and Intraday Forecasts of the Dynamic Line Rating for Buried Cables. IEEE Access, 2019, 7, 4709-4725.	4.2	7
25	Optimal scheduling of storage devices in smart buildings including battery cycling. , 2017, , .		5
26	A Value-Oriented Price Forecasting Approach to Optimize Trading of Renewable Generation. , 2021, , .		5
27	Impact of PV forecasts uncertainty in batteries management in microgrids. , 2013, , .		4
28	Dynamic line rating forecasting. , 2017, , 325-339.		4
29	Residential electrical and thermal storage optimisation in a market environment. CIRED - Open Access Proceedings Journal, 2017, 2017, 1967-1970.	0.1	3
30	The value of schedule update frequency on distributed energy storage performance in renewable energy integration. , 2013, , .		2
31	The impact of available data history on the performance of photovoltaic generation forecasting models. , 2013, , .		2
32	Extreme Quantiles Dynamic Line Rating Forecasts and Application on Network Operation. Energies, 2020, 13, 3090.	3.1	2
33	Scalable computational framework using intelligent optimization: Microgrids dispatch and electricity market joint simulation. IFAC-PapersOnLine, 2017, 50, 3362-3367.	0.9	1
34	Distributed energy storage aggregation, quantitative evaluation of replicability and scalability. , 2019, , .		1