Guillermo A JimÃ©nez-EstÃ©vez

List of Publications by Year
in descending order

32 papers	3,044 citations	623734 14 h-index	752698 20 g-index
32 all docs	32 docs citations	32 times ranked	3309 citing authors

#	Article	IF	Citations
1	A novel <scp>rule‐based</scp> computational strategy for a fast and reliable energy management in isolated microgrids. International Journal of Energy Research, 2022, 46, 4362-4379.	4.5	7
2	Distributed Ledger Technologies Based Microgrid Energy Management Using IOTA Tangle. , 2021, , .		3
3	Non-Strategic Capacity Withholding from Distributed Energy Storage within Microgrids Providing Energy and Reserve Services. Energies, 2020, 13, 5235.	3.1	0
4	Lowering Electricity Access Barriers by Means of Participative Processes Applied to Microgrid Solutions: The Chilean Case. Proceedings of the IEEE, 2019, 107, 1857-1871.	21.3	14
5	Coupling an adaptive protection system with an energy management system for microgrids. Electricity Journal, 2019, 32, 106675.	2.5	3
6	Communication-Based Fault Location, Isolation, and Service Restoration for Microgrids. , 2019, , .		0
7	Effect of constant power load models on the stability of isolated Microgrids. , 2019, , .		4
8	Microgrid Energy Management System Optimization using Game Theory. , 2019, , .		1
9	Capacity payment allocation in hydrothermal power systems with high shares of renewable energies. E3S Web of Conferences, 2019, 140, 11008.	0.5	1
10	Stochastic planning of electricity and gas networks: An asynchronous column generation approach. Applied Energy, 2019, 233-234, 1065-1077.	10.1	20
11	Continuous optimal control approaches to microgrid energy management. Energy Systems, 2018, 9, 59-77.	3.0	57
12	Sunset or sunrise? Understanding the barriers and options for the massive deployment of solar technologies in Chile. Energy Policy, 2018, 112, 399-414.	8.8	48
13	Adaptive Protection System for Microgrids Based on a Robust Optimization Strategy. Energies, 2018, 11, 308.	3.1	23
14	Achieving Resilience at Distribution Level: Learning from Isolated Community Microgrids. IEEE Power and Energy Magazine, 2017, 15, 64-73.	1.6	32
15	Consumption modeling based on Markov chains and Bayesian networks for a demand side management design of isolated microgrids. International Journal of Energy Research, 2017, 41, 365-376.	4.5	8
16	Sustainable development through the use of solar energy for productive processes: The Ayllu Solar Project. , 2017, , .		12
17	Development of a microgrid protection laboratory experiment for the study of overcurrent and undervoltage functions. , 2017, , .		0
18	Heat and Dust: The Solar Energy Challenge in Chile. IEEE Power and Energy Magazine, 2015, 13, 71-77.	1.6	20

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19	The Tianjin 2014 Symposium on Microgrids: A meeting of the minds for international microgrid experts.. IEEE Electrification Magazine, 2015, 3, 79-85.	1.8	0
20	It Takes a Village: Social SCADA and Approaches to Community Engagement in Isolated Microgrids. IEEE Power and Energy Magazine, 2014, 12, 60-69.	1.6	36
21	Smart Microgrids as a Solution for Rural Electrification: Ensuring Long-Term Sustainability Through Cadastre and Business Models. IEEE Transactions on Sustainable Energy, 2014, 5, 1310-1318.	8.8	85
22	Trends in Microgrid Control. IEEE Transactions on Smart Grid, 2014, 5, 1905-1919.	9.0	2,316
23	Fuzzy demand forecasting in a predictive control strategy for a renewable-energy based microgrid. , 2013, , .		4
24	Identification of Critical Spans for Monitoring Systems in Dynamic Thermal Rating. IEEE Transactions on Power Delivery, 2012, 27, 1002-1009.	4.3	128
25	A day-ahead energy market simulation framework for assessing the impact of decentralized generators on step-down transformer power flows. International Journal of Electrical Power and Energy Systems, 2012, 35, 10-20.	5.5	5
26	Genetic algorithms for the capacitor placement problem in distribution networks. , 2011, , .		3
27	A methodology for community engagement in the introduction of renewable based smart microgrid. Energy for Sustainable Development, 2011, 15, 314-323.	4.5	116
28	Fuzzy Arithmetic for the DC Load Flow. IEEE Transactions on Power Systems, 2010, 25, 206-214.	6.5	30
29	Determination of Feeder Areas for the Design of Large Distribution Networks. IEEE Transactions on Power Delivery, 2010, 25, 1912-1922.	4.3	30
30	Genetic algorithms and Voronoi polygons applied to decision making in the distribution systems expansion problem. , 2008, , .		3
31	A Competitive Market Integration Model for Distributed Generation. IEEE Transactions on Power Systems, 2007, 22, 2161-2169.	6.5	28
32	An Evolutionary Approach for the Greenfield Planning Problem in Distribution Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	7