

Jairo Quiros-Tortos

List of Publications by Year in descending order

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45
papers

1,179
citations

643344

15
h-index

591227

27
g-index

56
all docs

56
docs citations

56
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric vehicles and power quality in low voltage networks: Real data analysis and modeling. Applied Energy, 2022, 305, 117718.	5.1	14
2	Decision-Making Under Uncertainty on Preventive Actions Boosting Power Grid Resilience. IEEE Systems Journal, 2022, 16, 2614-2625.	2.9	6
3	Stochastic multi-objective optimal energy management of grid-connected unbalanced microgrids with renewable energy generation and plug-in electric vehicles. Energy, 2022, 241, 122884.	4.5	45
4	Selected "Starter kit"™ energy system modelling data for selected countries in Africa, East Asia, and South America (#CCG, 2021). Data in Brief, 2022, 42, 108021.	0.5	15
5	Multi-year planning of LV networks with EVs accounting for customers, emissions and techno-economic aspects: A practical and scalable approach. IET Generation, Transmission and Distribution, 2021, 15, 468-479.	1.4	5
6	Phase Rebalancing of Distribution Circuits Dominated by Single-Phase Loads. IEEE Transactions on Power Systems, 2021, 36, 5333-5344.	4.6	7
7	A low GHG development pathway design framework for agriculture, forestry and land use. Energy Strategy Reviews, 2021, 37, 100683.	3.3	6
8	Optimal location of EV charging stations in a neighborhood considering a multi-objective approach. Electric Power Systems Research, 2021, 199, 107391.	2.1	35
9	Decarbonising the transport and energy sectors: Technical feasibility and socioeconomic impacts in Costa Rica. Energy Strategy Reviews, 2020, 32, 100573.	3.3	45
10	Net-zero deep decarbonization pathways in Latin America: Challenges and opportunities. Energy Strategy Reviews, 2020, 30, 100510.	3.3	73
11	Methodology to Economic Evaluation of an Electric Vehicle Parking Lot Equipped with PV and Storage. , 2020, , .		0
12	Comparing Chi-square-Based Bad Data Detection Algorithms for Distribution System State Estimation. , 2020, , .		1
13	Estimating National End-Use Demand Curves Through Sub-measurements and Energy Surveys. , 2020, , .		1
14	Advanced control of OLTC-enabled LV networks with PV systems and EVs. IET Generation, Transmission and Distribution, 2019, 13, 2967-2975.	1.4	14
15	Sizing and Placing EV Parking Lots: Challenges Ahead in Real Applications. , 2019, , .		5
16	Electric Vehicles in Latin America: Slowly but Surely Toward a Clean Transport. IEEE Electrification Magazine, 2019, 7, 22-32.	1.8	14
17	Processing and Correction of Secondary System Models in Geographic Information Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3482-3491.	7.2	9
18	Techno-Economic Assessment of EV Charging Infrastructure Development in Brazilian Universities. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
19	Strategic Location of EV Fast Charging Stations: The Real Case of Costa Rica. , 2019, , .		5
20	When to Island for Blackout Prevention. IEEE Systems Journal, 2019, 13, 3326-3336.	2.9	13
21	Intentional Controlled Islanding and Risk Assessment: A Unified Framework. IEEE Systems Journal, 2018, 12, 3637-3648.	2.9	19
22	Evaluating the Effects of Climate Change on the Electricity Demand of Distribution Networks. , 2018, , .		2
23	How Electric Vehicles and the Grid Work Together: Lessons Learned from One of the Largest Electric Vehicle Trials in the World. IEEE Power and Energy Magazine, 2018, 16, 64-76.	1.6	84
24	Intentional controlled islanding: when to island for power system blackout prevention. IET Generation, Transmission and Distribution, 2018, 12, 3542-3549.	1.4	27
25	Dynamic IEEE Test Systems for Transient Analysis. IEEE Systems Journal, 2017, 11, 2108-2117.	2.9	120
26	Geo-Information Is Power: Using Geographical Information Systems to Assess Rooftop Photovoltaics in Costa Rica. IEEE Power and Energy Magazine, 2017, 15, 48-56.	1.6	14
27	A post-processing methodology for robust spectral embedded clustering of power networks. , 2017, , .		7
28	Efficient connectivity identification of large-scale distribution network elements in GIS. , 2017, , .		2
29	HPC-Based Probabilistic Analysis of LV Networks With EVs: Impacts and Control. IEEE Transactions on Smart Grid, 2017, 8, 1479-1487.	6.2	34
30	Integration of open source tools for studying large-scale distribution networks. IET Generation, Transmission and Distribution, 2017, 11, 3106-3114.	1.4	17
31	Control of EV charging points for thermal and voltage management of LV networks. , 2016, , .		1
32	Reducing excessive standing phase angle differences: A new approach based on OPF and wide area measurements. International Journal of Electrical Power and Energy Systems, 2016, 78, 13-21.	3.3	5
33	Benchmarking and Validation of Cascading Failure Analysis Tools. IEEE Transactions on Power Systems, 2016, 31, 4887-4900.	4.6	122
34	Control of EV Charging Points for Thermal and Voltage Management of LV Networks. IEEE Transactions on Power Systems, 2016, 31, 3028-3039.	4.6	107
35	A risk-based methodology for defining the time of intentional controlled islanding. , 2015, , .		2
36	A statistical analysis of EV charging behavior in the UK. , 2015, , .		66

#	ARTICLE	IF	CITATIONS
37	Controlling electric vehicle charging points for congestion management of UK LV networks. , 2015, , .		17
38	Constrained spectral clustering-based methodology for intentional controlled islanding of large-scale power systems. IET Generation, Transmission and Distribution, 2015, 9, 31-42.	1.4	63
39	Sectionalising methodology for parallel system restoration based on graph theory. IET Generation, Transmission and Distribution, 2015, 9, 1216-1225.	1.4	46
40	Determination of sectionalising strategies for parallel power system restoration: A spectral clustering-based methodology. Electric Power Systems Research, 2014, 116, 381-390.	2.1	51
41	On implementing a spectral clustering controlled islanding algorithm in real power systems. , 2013, , .		5
42	A graph theory based new approach for power system restoration. , 2013, , .		22
43	On evaluating the performance of intentional controlled islanding schemes. , 2013, , .		1
44	Controlled islanding strategy considering power system restoration constraints. , 2012, , .		21
45	A smart power system restoration based on the merger of two different strategies. , 2012, , .		4