Jairo Quiros-Tortos

List of Publications by Year in Descending Order

41 papers	606 citations	12 h-index	24 g-index
56 ext. papers	896 ext. citations	5.1 avg, IF	4.27 L-index

#	Paper	IF	Citations
41	Stochastic multi-objective optimal energy management of grid-connected unbalanced microgrids with renewable energy generation and plug-in electric vehicles. *Energy*, **2022**, 241, 122884	7.9	4
40	Electric vehicles and power quality in low voltage networks: Real data analysis and modeling. *Applied Energy*, **2022**, 305, 117718	10.7	4
39	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	1.2	0
38	Decision-Making Under Uncertainty on Preventive Actions Boosting Power Grid Resilience. *IEEE Systems Journal*, **2021**, 1-12	4.3	1
37	Multi-year planning of LV networks with EVs accounting for customers, emissions and techno-economics aspects: A practical and scalable approach. *IET Generation, Transmission and Distribution*, **2021**, 15, 468-479	2.5	1
36	Phase Rebalancing of Distribution Circuits Dominated by Single-Phase Loads. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	3
35	A low GHG development pathway design framework for agriculture, forestry and land use. *Energy Strategy Reviews*, **2021**, 37, 100683	9.8	1
34	Optimal location of EV charging stations in a neighborhood considering a multi-objective approach. *Electric Power Systems Research*, **2021**, 199, 107391	3.5	9
33	Net-zero deep decarbonization pathways in Latin America: Challenges and opportunities. *Energy Strategy Reviews*, **2020**, 30, 100510	9.8	27
32	Decarbonising the transport and energy sectors: Technical feasibility and socioeconomic impacts in Costa Rica. *Energy Strategy Reviews*, **2020**, 32, 100573	9.8	11
31	Electric Vehicles in Latin America: Slowly but Surely Toward a Clean Transport. *IEEE Electrification Magazine*, **2019**, 7, 22-32	2.6	5
30	Advanced control of OLTC-enabled LV networks with PV systems and EVs. *IET Generation, Transmission and Distribution*, **2019**, 13, 2967-2975	2.5	10
29	Sizing and Placing EV Parking Lots: Challenges Ahead in Real Applications **2019**,		1
28	Processing and Correction of Secondary System Models in Geographic Information Systems. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3482-3491	11.9	3
27	Techno-Economic Assessment of EV Charging Infrastructure Development in Brazilian Universities **2019**,		1
26	Strategic Location of EV Fast Charging Stations: The Real Case of Costa Rica **2019**,		3
25	When to Island for Blackout Prevention. *IEEE Systems Journal*, **2019**, 13, 3326-3336	4.3	6

#	Publication	IF	Cit.
24	. *IEEE Systems Journal*, **2018**, 12, 3637-3648	4.3	16
23	Intentional controlled islanding: when to island for power system blackout prevention. *IET Generation, Transmission and Distribution*, **2018**, 12, 3542-3549	2.5	21
22	Evaluating the Effects of Climate Change on the Electricity Demand of Distribution Networks **2018**,		1
21	. *IEEE Power and Energy Magazine*, **2018**, 16, 64-76	2.4	34
20	. *IEEE Systems Journal*, **2017**, 11, 2108-2117	4.3	65
19	Geo-Information Is Power: Using Geographical Information Systems to Assess Rooftop Photovoltaics in Costa Rica. *IEEE Power and Energy Magazine*, **2017**, 15, 48-56	2.4	12
18	A post-processing methodology for robust spectral embedded clustering of power networks **2017**,		4
17	Efficient connectivity identification of large-scale distribution network elements in GIS **2017**,		1
16	HPC-Based Probabilistic Analysis of LV Networks With EVs: Impacts and Control. *IEEE Transactions on Smart Grid*, **2017**, 8, 1479-1487	10.7	26
15	Integration of open source tools for studying large-scale distribution networks. *IET Generation, Transmission and Distribution*, **2017**, 11, 3106-3114	2.5	10
14	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	5.1	3
13	Benchmarking and Validation of Cascading Failure Analysis Tools. *IEEE Transactions on Power Systems*, **2016**, 31, 4887-4900	7	59
12	Control of EV Charging Points for Thermal and Voltage Management of LV Networks. *IEEE Transactions on Power Systems*, **2016**, 31, 3028-3039	7	76
11	Controlling electric vehicle charging points for congestion management of UK LV networks **2015**,		9
10	Constrained spectral clustering-based methodology for intentional controlled islanding of large-scale power systems. *IET Generation, Transmission and Distribution*, **2015**, 9, 31-42	2.5	48
9	Sectionalising methodology for parallel system restoration based on graph theory. *IET Generation, Transmission and Distribution*, **2015**, 9, 1216-1225	2.5	34
8	A risk-based methodology for defining the time of intentional controlled islanding **2015**,		1
7	A statistical analysis of EV charging behavior in the UK **2015**,		35

6	Determination of sectionalising strategies for parallel power system restoration: A spectral clustering-based methodology. *Electric Power Systems Research*, **2014**, 116, 381-390	3.5	33
5	On implementing a spectral clustering controlled islanding algorithm in real power systems **2013**,		4
4	A graph theory based new approach for power system restoration **2013**,		11
3	On evaluating the performance of intentional controlled islanding schemes **2013**,		1
2	Controlled islanding strategy considering power system restoration constraints **2012**,		10
1	A smart power system restoration based on the merger of two different strategies **2012**,		2