Lopes, Jap

List of Publications by Year
in descending order

33 papers	2,157 citations	566801 15 h-index	525886 27 g-index
35 all docs	35 docs citations	35 times ranked	2428 citing authors

#	Article	IF	Citations
1	Integration of Electric Vehicles in the Electric Power System. Proceedings of the IEEE, 2011, 99, 168-183.	16.4	1,122
2	Characterisation of electrical energy storage technologies. Energy, 2013, 53, 288-298.	4.5	353
3	Modulation Strategy for a Single-Stage Bidirectional and Isolated ACâ€“DC Matrix Converter for Energy Storage Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 3458-3468.	5.2	107
4	Integrated micro-generation, load and energy storage control functionality under the multi micro-grid concept. Electric Power Systems Research, 2013, 95, 292-301.	2.1	82
5	An optimization approach for wind turbine commitment and dispatch in a wind park. Electric Power Systems Research, 2009, 79, 71-79.	2.1	55
6	A view of microgrids. Wiley Interdisciplinary Reviews: Energy and Environment, 2013, 2, 86-103.	1.9	54
7	Distributed Energy Resources Impact on Distribution System Reliability Under Load Transfer Restrictions. IEEE Transactions on Smart Grid, 2012, 3, 2048-2055.	6.2	50
8	Microgrid Service Restoration: The Role of Plugged-in Electric Vehicles. IEEE Industrial Electronics Magazine, 2013, 7, 26-41.	2.3	49
9	The future of power systems: Challenges, trends, and upcoming paradigms. Wiley Interdisciplinary Reviews: Energy and Environment, 2020, 9, e368.	1.9	35
10	Small-signal stability and decentralized control design for electric energy systems with a large penetration of distributed generators. Control Engineering Practice, 2012, 20, 823-831.	3.2	30
11	Smart transformer/large flexible transformer. CES Transactions on Electrical Machines and Systems, 2020, 4, 264-274.	2.7	27
12	Adequacy and Security Evaluation of Distribution Systems With Distributed Generation. IEEE Transactions on Power Systems, 2012, 27, 1681-1689.	4.6	26
13	Aggregated dynamic model of active distribution networks for large voltage disturbances. Electric Power Systems Research, 2020, 178, 106006.	2.1	21
14	EMI Filter Design for a Single-stage Bidirectional and Isolated ACâ€“DC Matrix Converter. Electronics (Switzerland), 2018, 7, 318.	1.8	17
15	Wind variability mitigation using multi-energy systems. International Journal of Electrical Power and Energy Systems, 2020, 118, 105755.	3.3	17
16	Long-Term Impact Evaluation of Advanced Under Frequency Load Shedding Schemes on Distribution Systems With DG Islanded Operation. IEEE Transactions on Smart Grid, 2019, 10, 238-247.	6.2	15
17	Coordinated management of distributed energy resources in electrical distribution systems. , 2013, , .		14
18	Operation of Multi-Microgrids. , 2013, , 165-205.		12

#	Article	IF	Citations
19	An improved version of the Continuous Newtonâ€™s method for efficiently solving the Power-Flow in Ill-conditioned systems. International Journal of Electrical Power and Energy Systems, 2021, 124, 106389.	3.3	9
20	Smart Transformers as Active Interfaces Enabling the Provision of Power-Frequency Regulation Services from Distributed Resources in Hybrid AC/DC Grids. Applied Sciences (Switzerland), 2020, 10, 1434.	1.3	8
21	Optimal Load Restoration in Active Distribution Networks Complying With Starting Transients of Induction Motors. IEEE Transactions on Smart Grid, 2020, 11, 3957-3969.	6.2	8
22	Multi-microgrid impact assessment using multi criteria Decision Aid methods. , 2009, , .		7
23	Impact of phase-shift modulation on the performance of a single-stage bidirectional electric vehicle charger. , 2012, , .		7
24	Fault-ride-through strategies for grid-tied and grid-forming smart-transformers suited for islanding and interconnected operation. Electric Power Systems Research, 2020, 189, 106616.	2.1	6
25	Evaluating the Interest in Installing Microgrid Solutions. Electricity Journal, 2012, 25, 61-70.	1.3	5
26	Dynamic security of islanded power systems with pumped storage power plants for high renewable integration â€“ A study case. Journal of Engineering, 2019, 2019, 4955-4960.	0.6	4
27	Influence of Load Dynamics on Converter-Dominated Isolated Power Systems. Applied Sciences (Switzerland), 2021, 11, 2341.	1.3	4
28	Fault-Ride-Through Approach for Grid-Tied Smart Transformers without Local Energy Storage. Energies, 2021, 14, 5622.	1.6	3
29	Defining connection requirements for autonomous power systems. IET Renewable Power Generation, 2020, 14, 3-12.	1.7	2
30	Flexibility Assessment of Multi-Energy Residential and Commercial Buildings. Energies, 2020, 13, 2704.	1.6	1
31	Dimensioning Studies for Reversible Hydro Power Plants in Portuguese Islands. U Porto Journal of Engineering, 2018, 4, 77-86.	0.2	1
32	Adequacy of the long-term operational reserve of a system with wind power and electric vehicles under severe scenarios. , 2014, , .		0
33	Hydrogen and the Transition from Gas Networks to a New Energy Carrier Paradigm. U Porto Journal of Engineering, 2021, 7, 137-150.	0.2	0