

Antonio Padilha-Feltrin

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,819
citations

377584

21
h-index

299063

42
g-index

53
all docs

53
docs citations

53
times ranked

1648
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic Rolling-Optimization Control for Coordinating the Operation of Electric Springs in Microgrids With Renewable Distributed Generation. IEEE Transactions on Sustainable Energy, 2022, 13, 2159-2171.	5.9	2
2	A Graphical Method to Assess Component Overload Due to Harmonic Resonances in Wind Parks. IEEE Transactions on Power Delivery, 2021, 36, 1819-1828.	2.9	8
3	Multicriteria Decision Analysis in Geographic Information Systems for Identifying Ideal Locations for New Substations. Journal of Control, Automation and Electrical Systems, 2021, 32, 1305-1316.	1.2	0
4	Aggregator units allocation in low voltage distribution networks with penetration of photovoltaic systems. International Journal of Electrical Power and Energy Systems, 2021, 130, 107003.	3.3	1
5	Spatial connection cost minimization of EV fast charging stations in electric distribution networks using local search and graph theory. Energy, 2021, 235, 121380.	4.5	13
6	Increasing distributed generation hosting capacity in distribution systems via optimal coordination of electric vehicle aggregators. IET Generation, Transmission and Distribution, 2021, 15, 359-370.	1.4	21
7	Spatial-temporal growth model to estimate the adoption of new end-use electric technologies encouraged by energy-efficiency programs. Energy, 2020, 191, 116531.	4.5	11
8	A new way for comparing solutions to non-technical electricity losses in South America. Utilities Policy, 2020, 67, 101113.	2.1	9
9	A Stochastic Model for Medium-Term Distribution System Planning Considering CO ₂ Emissions. , 2020, , .		6
10	Assessment of Distributed Generation Hosting Capacity of Microgrids with Thermal Smart Loads. , 2020, , .		2
11	Fast charging stations placement methodology for electric taxis in urban zones. Energy, 2019, 188, 116032.	4.5	21
12	Optimal integration of distributed generation and conservation voltage reduction in active distribution networks. International Journal of Electrical Power and Energy Systems, 2019, 113, 197-207.	3.3	36
13	Optimal Distribution Network Reconfiguration with Distributed Generation using a Genetic Algorithm. , 2019, , .		2
14	Distribution network planning considering technology diffusion dynamics and spatial net-load behavior. International Journal of Electrical Power and Energy Systems, 2019, 106, 254-265.	3.3	30
15	Allocation of Static Var Compensator in Electric Power Systems Considering Different Load Levels. Journal of Control, Automation and Electrical Systems, 2019, 30, 1-8.	1.2	20
16	Hierarchical Bayesian Model for Estimating Spatial-Temporal Photovoltaic Potential in Residential Areas. IEEE Transactions on Sustainable Energy, 2018, 9, 971-979.	5.9	20
17	A local search algorithm to allocate loads predicted by spatial load forecasting studies. Electric Power Systems Research, 2017, 146, 206-217.	2.1	9
18	Stochastic assessment of distributed generation hosting capacity and energy efficiency in active distribution networks. IET Generation, Transmission and Distribution, 2017, 11, 4617-4625.	1.4	44

#	ARTICLE	IF	CITATIONS
19	Grid-based simulation method for spatial electric load forecasting using power-law distribution with fractal exponent. <i>International Transactions on Electrical Energy Systems</i> , 2016, 26, 1339-1357.	1.2	12
20	Spatial-Temporal Estimation for Nontechnical Losses. <i>IEEE Transactions on Power Delivery</i> , 2016, 31, 362-369.	2.9	31
21	Optimized Technical and Economic Evaluation of the Connection Point of Distributed Generators. <i>Journal of Control, Automation and Electrical Systems</i> , 2015, 26, 675-685.	1.2	4
22	Volt-VAR Multiobjective Optimization to Peak-Load Relief and Energy Efficiency in Distribution Networks. <i>IEEE Transactions on Power Delivery</i> , 2015, 30, 618-626.	2.9	101
23	Estimation of a preference map of new consumers for spatial load forecasting simulation methods using a spatial analysis of points. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 67, 299-305.	3.3	18
24	Active power reserve for frequency control provided by distributed generators in distribution networks. , 2014, , .		5
25	Spatial-Temporal Simulation to Estimate the Load Demand of Battery Electric Vehicles Charging in Small Residential Areas. <i>Journal of Control, Automation and Electrical Systems</i> , 2014, 25, 470-480.	1.2	14
26	Determining spatial resolution in spatial load forecasting using a grid-based model. <i>Electric Power Systems Research</i> , 2014, 111, 177-184.	2.1	19
27	Bilevel approach for optimal location and contract pricing of distributed generation in radial distribution systems using mixed-integer linear programming. <i>IET Generation, Transmission and Distribution</i> , 2013, 7, 724-734.	1.4	71
28	Capacity of active power reserve for frequency control enhanced by distributed generators. , 2013, , .		1
29	Optimal charging of electric vehicles considering constraints of the medium voltage distribution network. , 2013, , .		2
30	Distributed Generators as Providers of Reactive Power Support – A Market Approach. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 490-502.	4.6	112
31	A mixed-integer linear programming approach for optimal type, size and allocation of distributed generation in radial distribution systems. <i>Electric Power Systems Research</i> , 2013, 97, 133-143.	2.1	175
32	Multi-Agent Simulation of Urban Social Dynamics for Spatial Load Forecasting. <i>IEEE Transactions on Power Systems</i> , 2012, 27, 1870-1878.	4.6	30
33	Reactive Control for Transmission Overload Relief Based on Sensitivity Analysis and Cooperative Game Theory. <i>IEEE Transactions on Power Systems</i> , 2012, 27, 1192-1203.	4.6	12
34	Power flow for primary distribution networks considering uncertainty in demand and user connection. <i>International Journal of Electrical Power and Energy Systems</i> , 2012, 43, 1171-1178.	3.3	12
35	Fluxo de potência trifásico probabilístico para redes de distribuição usando o método de estimação por pontos. <i>Controle and Automacao</i> , 2012, 23, 179-189.	0.2	2
36	Location and contract pricing of distributed generation using a genetic algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2012, 36, 117-126.	3.3	74

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37	Multi-objective evolutionary particle swarm optimization in the assessment of the impact of distributed generation. Electric Power Systems Research, 2012, 89, 100-108.	2.1	47
38	Optimal Contract Pricing of Distributed Generation in Distribution Networks. IEEE Transactions on Power Systems, 2011, 26, 128-136.	4.6	81
39	A Cellular Automaton Approach to Spatial Electric Load Forecasting. IEEE Transactions on Power Systems, 2011, 26, 532-540.	4.6	37
40	A multi-objective evaluation of the impact of the penetration of Distributed Generation. , 2011, , .		3
41	Distributed generation modelling for unbalanced three-phase power flow calculations in smart grids. , 2010, , .		15
42	An overview on network cost allocation methods. Electric Power Systems Research, 2009, 79, 750-758.	2.1	41
43	Distribution Transformer Modeling for Application in Three-Phase Power Flow Algorithm. IEEE Latin America Transactions, 2009, 7, 196-202.	1.2	5
44	A cooperative game theory analysis for transmission loss allocation. Electric Power Systems Research, 2008, 78, 264-275.	2.1	49
45	An Efficient Codification to Solve Distribution Network Reconfiguration for Loss Reduction Problem. IEEE Transactions on Power Systems, 2008, 23, 1542-1551.	4.6	196
46	Time-Series-Based Maximization of Distributed Wind Power Generation Integration. IEEE Transactions on Energy Conversion, 2008, 23, 968-974.	3.7	101
47	Evaluating Distributed Time-Varying Generation Through a Multiobjective Index. IEEE Transactions on Power Delivery, 2008, 23, 1132-1138.	2.9	137
48	Estudo comparativo dos métodos Nodal e Zbus para alocação de custos pelo uso do sistema de transmissão. Controle and Automacao, 2008, 19, 165-177.	0.2	0
49	$Z_{m \text{ bus}}$ Transmission Network Cost Allocation. IEEE Transactions on Power Systems, 2007, 22, 342-349.	4.6	115
50	Distribution transformers modeling with angular displacement: actual values and per unit analysis. Controle and Automacao, 2007, 18, 490-500.	0.2	2
51	Comparação de propostas para alocação dos custos de perdas na transmissão. Controle and Automacao, 2005, 16, 100-119.	0.2	1
52	Observing the performance of distribution systems with embedded generators. European Transactions on Electrical Power, 2004, 14, 347-359.	1.0	16
53	Allocation of the costs of transmission losses. Electric Power Systems Research, 2004, 72, 13-20.	2.1	23