

Bonatto, Bd

List of Publications by Year in descending order

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66
papers

412
citations

1040056

9
h-index

996975

15
g-index

72
all docs

72
docs citations

72
times ranked

357
citing authors

#	ARTICLE	IF	CITATIONS
1	Future assessment of the impact of the COVID-19 pandemic on the electricity market based on a stochastic socioeconomic model. <i>Applied Energy</i> , 2022, 313, 118848.	10.1	9
2	Analysis of solar and wind energy installations at electric vehicle charging stations in a region in Brazil and their impact on pricing using an optimized sale price model. <i>International Journal of Energy Research</i> , 2021, 45, 6745-6764.	4.5	10
3	Transients in Circuits of Any Order. <i>Power Systems</i> , 2021, , 367-576.	0.5	0
4	Introduction to Fundamental Concepts in Electric Circuit Analysis. <i>Power Systems</i> , 2021, , 1-77.	0.5	0
5	Assessment of the impacts of distributed generation and electric vehicles as mobile sources through a nodal and zonal pricing methodology. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 2137-2151.	2.5	3
6	Perspective of uncertainty and risk from the CVaR-LCOE approach: An analysis of the case of PV microgeneration in Minas Gerais, Brazil. <i>Energy</i> , 2021, 226, 120327.	8.8	20
7	Analysis of the impact of COVID-19 pandemic on the Brazilian distribution electricity market based on a socioeconomic regulatory model. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 132, 107172.	5.5	18
8	Digital Solution of Transients in Basic Electrical Circuits. <i>Power Systems</i> , 2021, , 207-226.	0.5	0
9	Smart Cities Criteria: A Discussion About Relevant and Contextualized Indicators for Sustainable Smart Living. , 2021, , .		0
10	Hydrogen storage evaluation feeding a residential load model with the use of Photovoltaic generation. , 2021, , .		0
11	Modeling and simulation of active electrical distribution systems using the OpenDSS. , 2020, , 121-152.		2
12	Evaluating Public Policies for Fair Social Tariffs of Electricity in Brazil by Using an Economic Market Model. <i>Energies</i> , 2020, 13, 4811.	3.1	7
13	Falling Consumption and Demand for Electricity in South Africa - A Blessing and a Curse. , 2020, , .		14
14	Basic Tutorial on Simulation of Microgrids Control Using MATLAB® & Simulink® Software. <i>SpringerBriefs in Energy</i> , 2020, , .	0.3	6
15	Aggregated Economic Analysis of the Brazilian Electricity Distribution Companies Using a Regulated Market Economic Model. <i>Journal of Control, Automation and Electrical Systems</i> , 2020, 31, 693-704.	2.0	7
16	Microgrids: Operation and Control Methods. <i>SpringerBriefs in Energy</i> , 2020, , 1-12.	0.3	2
17	Case Studies: Modelling and Simulation. <i>SpringerBriefs in Energy</i> , 2020, , 13-55.	0.3	0
18	The Concept of Dynamic Hosting Capacity for Distributed Energy Resources: Analytics and Practical Considerations. <i>Energies</i> , 2019, 12, 2576.	3.1	18

#	ARTICLE	IF	CITATIONS
19	Economic Evaluation of Regulatory Tariff Risk Planning for an Electric Power Company. Journal of Control, Automation and Electrical Systems, 2019, 30, 292-300.	2.0	7
20	Emerging Smart Microgrid Power Systems: Philosophical Reflections. , 2019, , 505-528.		3
21	Harmonic Studies in OpenDSS Considering Renewable DG and Aggregate Linear Load Models. , 2018, , .		4
22	Analysis of economic return of the installation of photovoltaic panels at the campus of the Federal University of Itajubá. , 2018, , .		0
23	Impact of Harmonic Distortion on the Energization of Energy Distribution Transformers Integrated in Virtual Power Plants. , 2018, , .		1
24	Open Source Implementations of Electromagnetic Transient Algorithms. , 2018, , .		0
25	Benchmarking of Performance Requirements between IEC 61850 and DNP3 in Real-Time Monitoring Context. , 2018, , .		0
26	Study case of the stochastic tarot® model: Comparison of the economic performance of Brazilian Electric Power Distribution Companies considering the inherent risks of the sector. , 2018, , .		1
27	Socioeconomic indicators for the analysis of electricity distribution concessionaires. , 2018, , .		1
28	Unbalanced Frequency Dependent Load Flow for Microgrids. , 2018, , .		1
29	The Impact of Quality Investment in the Electricity Market Based on a Socioeconomic Market Model Contribution. , 2018, , .		1
30	Modeling the terminal impedance of power transformers for studies of fast front electromagnetic transients. , 2018, , .		0
31	Stochastic tarot® model: Stochastic economic market model for risk evaluation of a regulated electricity distribution company. , 2018, , .		3
32	Smart grid educational resources for undergraduate students. , 2018, , .		0
33	Analysis of the solar energy contribution in the price of the tariff of a station of supply for electric vehicles using the model TAROT. , 2018, , .		0
34	Economic viability analysis of Rio Verde hydroelectric use project. , 2018, , .		0
35	Investigation of a neutral reactor burn in a 500 kV transmission system. , 2018, , .		0
36	PV Hosting Capacity Dependence on Harmonic Voltage Distortion in Low-Voltage Grids: Model Validation with Experimental Data. Energies, 2018, 11, 465.	3.1	41

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37	Real-Time Framework for Energy Management System of a Smart Microgrid Using Multiagent Systems. Energies, 2018, 11, 656.	3.1	21
38	Voltage control simulations in distribution systems with high penetration of PVs using the OpenDSS. , 2018, , .		4
39	Reflections about the Philosophy of Technology in the Emerging Smart Power Systems. , 2017, , .		1
40	Study of Electricity Theft Impact on the Economy of a Regulated Electricity Company. Journal of Control, Automation and Electrical Systems, 2017, 28, 567-575.	2.0	19
41	Influence of load types and renewable generation in microgrids load margin. , 2017, , .		3
42	Modeling, simulation and comparison analysis of an installed photovoltaic system using RTDS. , 2016, , .		2
43	Impact of electricity theft on power quality. , 2016, , .		17
44	Current and voltage dependent sources modelling in MATE – multi-area Thevenin equivalent concept. Electric Power Systems Research, 2016, 138, 138-145.	3.6	3
45	A new software-in-the-loop strategy for real-time testing of a coordinated Volt/Var Control. , 2016, , .		4
46	Analysis of Pole Sharing Based on an Economic Market Model Proposal. Journal of Control, Automation and Electrical Systems, 2016, 27, 228-235.	2.0	0
47	Multiobjective voltage control in smart distribution power systems. , 2015, , .		2
48	Socioeconomic analysis of incentive public policies for the use of renewable energy per consumer class in Brazil. , 2015, , .		5
49	Low cost self-healing applied to distribution grid supplying Brazilian municipalities. , 2015, , .		1
50	A discussion about optimum time step size and maximum simulation time in EMTP-based programs. International Journal of Electrical Power and Energy Systems, 2015, 72, 24-32.	5.5	22
51	Dealing with a complex smart grid: An integrated perspective. , 2015, , .		4
52	Optimum time step size and maximum simulation time in EMTP-based programs. , 2014, , .		5
53	Shifted Frequency Analysis (SFA) concepts for EMTP modelling and simulation of Power System Dynamics. , 2014, , .		11
54	Methodology for the Regulatory Deflation of the Weighted Average Cost of Capital (WACC) in Electricity Markets. Journal of Control, Automation and Electrical Systems, 2013, 24, 661-667.	2.0	0

#	ARTICLE	IF	CITATIONS
55	Application of Risk Analysis in Prioritizing Investments in Terms of Value-Based Management and Power Quality. Journal of Control, Automation and Electrical Systems, 2013, 24, 513-521.	2.0	3
56	Implementation of an economic model for the electricity market evaluation of public policies in smart grids. , 2013, , .		5
57	Harmonic propagation analysis in electric energy distribution systems. , 2011, , .		7
58	Voltage regulation in electric energy distribution substations. , 2010, , .		5
59	The influence of quality on the creation of economic value in electricity markets. , 2010, , .		12
60	Economic impacts of the discontinuity of power services by using an electricity market model. , 2010, , .		2
61	The X Factor and its economic and technical significance. , 2010, , .		0
62	Modeling the influence of power quality on the creation of market value. , 2008, , .		12
63	A model for electricity markets: The impact of regulation on value. , 2008, , .		16
64	Evaluation and trends of power quality indices in distribution system. , 2007, , .		21
65	A fuzzy logic application to represent load sensitivity to voltage sags. , 0, , .		25
66	Applying an Exponentially Weighted Moving Average control chart using flow history and assured energy levels to small hydroelectric power plants. Revista Brasileira De Recursos Hidricos, 0, 25, .	0.5	1