

# Bonatto, Bd

## List of Publications by Year in descending order

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Version: 2024-02-01

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	PV Hosting Capacity Dependence on Harmonic Voltage Distortion in Low-Voltage Grids: Model Validation with Experimental Data. <i>Energies</i> , 2018, 11, 465.	3.1	41
2	A fuzzy logic application to represent load sensitivity to voltage sags. , 0, , .		25
3	A discussion about optimum time step size and maximum simulation time in EMTP-based programs. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 72, 24-32.	5.5	22
4	Evaluation and trends of power quality indices in distribution system. , 2007, , .		21
5	Real-Time Framework for Energy Management System of a Smart Microgrid Using Multiagent Systems. <i>Energies</i> , 2018, 11, 656.	3.1	21
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	Study of Electricity Theft Impact on the Economy of a Regulated Electricity Company. <i>Journal of Control, Automation and Electrical Systems</i> , 2017, 28, 567-575.	2.0	19
8	The Concept of Dynamic Hosting Capacity for Distributed Energy Resources: Analytics and Practical Considerations. <i>Energies</i> , 2019, 12, 2576.	3.1	18
9	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
10	Impact of electricity theft on power quality. , 2016, , .		17
11	A model for electricity markets: The impact of regulation on value. , 2008, , .		16
12	Falling Consumption and Demand for Electricity in South Africa - A Blessing and a Curse. , 2020, , .		14
13	Modeling the influence of power quality on the creation of market value. , 2008, , .		12
14	The influence of quality on the creation of economic value in electricity markets. , 2010, , .		12
15	Shifted Frequency Analysis (SFA) concepts for EMTP modelling and simulation of Power System Dynamics. , 2014, , .		11
16	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
17	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
18	Harmonic propagation analysis in electric energy distribution systems. , 2011, , .		7

#	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	Evaluating Public Policies for Fair Social Tariffs of Electricity in Brazil by Using an Economic Market Model. Energies, 2020, 13, 4811.	3.1	7
21	Aggregated Economic Analysis of the Brazilian Electricity Distribution Companies Using a Regulated Market Economic Model. Journal of Control, Automation and Electrical Systems, 2020, 31, 693-704.	2.0	7
22	Basic Tutorial on Simulation of Microgrids Control Using MATLAB® & Simulink® Software. SpringerBriefs in Energy, 2020, , .	0.3	6
23	Voltage regulation in electric energy distribution substations. , 2010, , .		5
24	Implementation of an economic model for the electricity market evaluation of public policies in smart grids. , 2013, , .		5
25	Optimum time step size and maximum simulation time in EMTP-based programs. , 2014, , .		5
26	Socioeconomic analysis of incentive public policies for the use of renewable energy per consumer class in Brazil. , 2015, , .		5
27	Dealing with a complex smart grid: An integrated perspective. , 2015, , .		4
28	A new software-in-the-loop strategy for real-time testing of a coordinated Volt/Var Control. , 2016, , .		4
29	Harmonic Studies in OpenDSS Considering Renewable DG and Aggregate Linear Load Models. , 2018, , .		4
30	Voltage control simulations in distribution systems with high penetration of PVs using the OpenDSS. , 2018, , .		4
31	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
32	Current and voltage dependent sources modelling in MATE“multi-area Th“venin equivalent concept. Electric Power Systems Research, 2016, 138, 138-145.	3.6	3
33	Influence of load types and renewable generation in microgrids load margin. , 2017, , .		3
34	Stochastic tarot® model: Stochastic economic market model for risk evaluation of a regulated electricity distribution company. , 2018, , .		3
35	Emerging Smart Microgrid Power Systems: Philosophical Reflections. , 2019, , 505-528.		3
36	Assessment of the impacts of distributed generation and electric vehicles as mobile sources through a nodal and zonal pricing methodology. IET Generation, Transmission and Distribution, 2021, 15, 2137-2151.	2.5	3

#	ARTICLE	IF	CITATIONS
37	Economic impacts of the discontinuity of power services by using an electricity market model. , 2010, , .		2
38	Multiobjective voltage control in smart distribution power systems. , 2015, , .		2
39	Modeling, simulation and comparison analysis of an installed photovoltaic system using RTDS. , 2016, , .		2
40	Modeling and simulation of active electrical distribution systems using the OpenDSS. , 2020, , 121-152.		2
41	Microgrids: Operation and Control Methods. SpringerBriefs in Energy, 2020, , 1-12.	0.3	2
42	Low cost self-healing applied to distribution grid supplying Brazilian municipalities. , 2015, , .		1
43	Reflections about the Philosophy of Technology in the Emerging Smart Power Systems. , 2017, , .		1
44	Impact of Harmonic Distortion on the Energization of Energy Distribution Transformers Integrated in Virtual Power Plants. , 2018, , .		1
45	Study case of the stochastic tarotÂ® model: Comparison of the economic performance of Brazilian Electric Power Distribution Companies considering the inherent risks of the sector. , 2018, , .		1
46	Socioeconomic indicators for the analysis of electricity distribution concessionaires. , 2018, , .		1
47	Unbalanced Frequency Dependent Load Flow for Microgrids. , 2018, , .		1
48	The Impact of Quality Investment in the Electricity Market Based on a Socioeconomic Market Model Contribution. , 2018, , .		1
49	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
50	The X Factor and its economic and technical significance. , 2010, , .		0
51	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
52	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
53	Analysis of economic return of the installation of photovoltaic panels at the campus of the Federal University of ItajubÃ¡. , 2018, , .		0
54	Open Source Implementations of Electromagnetic Transient Algorithms. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Benchmarking of Performance Requirements between IEC 61850 and DNP3 in Real-Time Monitoring Context. , 2018, , .		0
56	Modeling the terminal impedance of power transformers for studies of fast front electromagnetic transients. , 2018, , .		0
57	Smart grid educational resources for undergraduate students. , 2018, , .		0
58	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
59	Economic viability analysis of Rio Verde hydroelectric use project. , 2018, , .		0
60	Investigation of a neutral reactor burn in a 500 kV transmission system. , 2018, , .		0
61	Transients in Circuits of Any Order. Power Systems, 2021, , 367-576.	0.5	0
62	Introduction to Fundamental Concepts in Electric Circuit Analysis. Power Systems, 2021, , 1-77.	0.5	0
63	Digital Solution of Transients in Basic Electrical Circuits. Power Systems, 2021, , 207-226.	0.5	0
64	Smart Cities Criteria: A Discussion About Relevant and Contextualized Indicators for Sustainable Smart Living. , 2021, , .		0
65	Hydrogen storage evaluation feeding a residential load model with the use of Photovoltaic generation. , 2021, , .		0
66	Case Studies: Modelling and Simulation. SpringerBriefs in Energy, 2020, , 13-55.	0.3	0