

# Luciane Neves Canha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3446712/publications.pdf>

Version: 2024-02-01

142  
papers

1,423  
citations

567144

15  
h-index

395590

33  
g-index

143  
all docs

143  
docs citations

143  
times ranked

1385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicriteria Analysis Of Impacts Of Distributed Generation Sources On Operational Network Characteristics For Distribution System Planning Concerning Steady-state And Transient Operations. <i>Eletrônica De Potência</i> , 2024, 14, 75-83.	0.1	1
2	Dynamic and proactive matheuristic for AC/DC hybrid smart home energy operation considering load, energy resources and price uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 137, 107463.	3.3	10
3	A Flexible-Reliable Operation Model of Storage and Distributed Generation in a Biogas Power Plant. <i>Energies</i> , 2022, 15, 3154.	1.6	1
4	A Novel Virtual Power Plant Uncertainty Modeling Framework Using Unscented Transform. <i>Energies</i> , 2022, 15, 3716.	1.6	0
5	Combined Framework with Heuristic Programming and Rule-Based Strategies for Scheduling and Real Time Operation in Electric Vehicle Charging Stations. <i>Energies</i> , 2021, 14, 1370.	1.6	8
6	Comprehensive Model for Real Battery Simulation Responsive to Variable Load. <i>Energies</i> , 2021, 14, 3209.	1.6	3
7	Decentralized multi-area multi-agent economic dispatch model using select meta-heuristic optimization algorithms. <i>Electric Power Systems Research</i> , 2021, 195, 107128.	2.1	12
8	Semi-decentralized and fully decentralized multiarea economic dispatch considering participation of local private aggregators using meta-heuristic method. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 128, 106656.	3.3	8
9	Analysis of Microgrid Operation for Distribution System Support with Different Power Purchase Agreement Terms. , 2021, , .		0
10	Battery energy storage systems management in a day-ahead market scenario with transactive energy and private aggregators. , 2021, , .		0
11	The 2020 Power Blackout in the Brazilian State of Amapá: Lessons Learned and Opportunities. , 2021, , .		1
12	Coordinated Microgrids Integration in Distribution System with Different Power Purchase Agreement Options. , 2021, , .		1
13	Flexible Energy Management Strategy For Electric Vehicles Charging Stations. , 2020, , .		3
14	Proactive home energy storage management system to severe weather scenarios. <i>Applied Energy</i> , 2020, 279, 115797.	5.1	9
15	Battery Analysis using Kinetic Battery Model with Voltage Response. , 2020, , .		2
16	A Smart Home system using Artificial Intelligence and integration with Energy Storage and Microgeneration. , 2020, , .		0
17	Planning Energy Distribution Systems in an Environment That Accelerates the Use of Distributed Energy Resources. , 2020, , .		1
18	A Review on Energy Storage Systems and Military Applications. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Uncertainties in Virtual Power Plants. , 2019, , .		0
20	Simulation and analysis of OpenADR agents using VOLTTRON platform. , 2019, , .		0
21	Multi-objective Optimal Planning of Distributed Energy Resources Using SPEA2 Algorithms Considering Multi-agent Participation. , 2019, , .		7
22	Energy Storage Systems Role in Supporting Renewable Resources: Global Overview. , 2019, , .		3
23	The Roles of Customers, Utilities and Companies in Accelerating Smart Grid Implementation. , 2019, , .		2
24	Event Classification in Non-Intrusive Load Monitoring Using Convolutional Neural Network. , 2019, , .		9
25	Real-Time Hardware-In-the-Loop Testbed Applied to Voltage Control in Distribution Smart Grids. , 2019, , .		0
26	Roadmap in Residential Energy Storage Systems. , 2019, , .		1
27	Electrical Impacts of the Distributed Generation with Incineration of Urban Solid Waste. , 2019, , .		0
28	Heuristic Scheduling Algorithm for Load Shift DSM Strategy in Smart Grids and IoT Scenarios. , 2019, , .		8
29	Battery Energy Storage Systems: Impact Analysis on Different Loads with Distributed Generation. , 2019, , .		1
30	Study of a Reliability Model for Distribution Systems Applied to the Residential Consumer. , 2019, , .		0
31	Intelligent Demand Response System integrated with Micro Generation and Energy Storage using Machine Learning and Internet of Things Concepts. , 2019, , .		1
32	Transmission Cost Allocation using Nodal Methodology. , 2019, , .		0
33	Profit Study of the Combined Operation of a Wind Farm and a Battery Storage System in the MIBEL electricity market. , 2019, , .		0
34	Heuristic Transmission Expansion Planning Analysis Considering Generation Uncertainty. , 2019, , .		0
35	Intelligent Energy Management in Public Institutions. , 2019, , .		0
36	Methodology for ESS type selection and optimal energy management in distribution system with DG considering reverse flow limitations and cost penalties. IET Generation, Transmission and Distribution, 2018, 12, 1164-1170.	1.4	31

#	ARTICLE	IF	CITATIONS
37	Projection of the diffusion of photovoltaic systems in residential low voltage consumers. Renewable Energy, 2018, 116, 384-401.	4.3	33
38	Methodology for Home Energy Management to Integration and Management of Distributed Energy Resources. , 2018, , .		0
39	Impact of the State Estimation in Different Scenarios and Topologies in a Power Distribution System. , 2018, , .		2
40	Technology Roadmap Storage: Energy Storage Perspectives. , 2018, , .		2
41	Deployment of LoRA WAN Network for Rural Smart Grid in Brazil. , 2018, , .		5
42	Metaheuristic applied to very short term dispatch microgrids based on cloud coverage. , 2018, , .		0
43	A smart local voltage regulator methodology for dynamic integration between volt-var control and distributed energy resources. , 2018, , .		2
44	Battery Energy Storage Systems (BESS) Overview of Key Market Technologies. , 2018, , .		7
45	Communication System Design for an Advanced Metering Infrastructure. Sensors, 2018, 18, 3734.	2.1	13
46	Development of a Demand Response System Integrated to Photovoltaic Microgeneration and Energy Storage Using IoT and Artificial Intelligence. , 2018, , .		2
47	Communication System Design for an Advanced Metering Infrastructure. , 2018, , .		4
48	Minimization of the impacts caused by distributed generation to the electric system by exploring the reactive control range of solar inverters. , 2018, , .		0
49	Operational vulnerability indicator for prioritization and replacement of power transformers in substation. International Journal of Electrical Power and Energy Systems, 2018, 102, 60-70.	3.3	13
50	Grid functional blocks methodology to dynamic operation and decision making in Smart Grids. International Journal of Electrical Power and Energy Systems, 2018, 103, 267-276.	3.3	12
51	Wind generation forecasting of short and very short duration using Neuro-Fuzzy Networks: A case study. , 2017, , .		4
52	Substations SF6 circuit breakers: Reliability evaluation based on equipment condition. Electric Power Systems Research, 2017, 142, 36-46.	2.1	41
53	Intelligent voltage regulator to distributed voltage control in smart grids. , 2017, , .		7
54	The operational impacts in the distribution network from the energy storage management through the reactive PV inverters dispatch in distributed generation systems. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
55	Technical-commercial management to increase the participation of micro and mini generation in the Brazilian energy sector. , 2017, , .		0
56	Performance assessment of a low power wide area network in rural smart grids. , 2017, , .		16
57	Smart voltage regulator to active voltage level management of distribution networks. CIRED - Open Access Proceedings Journal, 2017, 2017, 855-859.	0.1	2
58	Diversification of Brazilian energy matrix by connecting distributed generation sources fuelled by biogas from swine manure. , 2016, , .		0
59	Operational impact of the complementarity between photovoltaic solar and biogas generation sources on distribution network systems. , 2016, , .		2
60	SF6 gas circuit breakers reliability estimation, considering likely wear points. , 2016, , .		2
61	Commercial arrangement model for a distributed generation connection considering several agents. , 2016, , .		0
62	Implementing a distributed firewall using a DHT network applied to Smart Grids. , 2016, , .		1
63	Application of M-MACBETH for defining an efficient operating regime of distributed generation sources connected to distribution network. , 2015, , .		0
64	Mapping of energetic potential in Southern Brazil to insertion of DG in distribution systems. , 2015, , .		1
65	Power quality considering the forecasting of quantities applied to interactive volt/VAR control. , 2015, , .		0
66	Methodology for long-term forecasting to insertion of DG in distribution systems. , 2015, , .		2
67	Intelligent system for automatic reconfiguration of distribution network with distributed generation. , 2015, , .		3
68	Security of communications on a high availability mesh network applied in Smart Grids. , 2015, , .		2
69	Cyber security and communications network on SCADA systems in the context of Smart Grids. , 2015, , .		8
70	Allocation of remotely controlled switches for reliability assessment in distribution networks. , 2015, , .		2
71	Analysis of the distributed generation for ancillary services support in distribution networks. , 2014, , .		0
72	Transient stability study of an unbalanced distribution system with distributed generation. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
73	Smart grid concepts applied to self-healing in distribution system. , 2014, , .		4
74	Methods of availability assurance for communication of PMU in a smart grid based on IP protocol. , 2014, , .		4
75	New alternatives to improve advanced distribution management systems using very short-term voltage prediction. , 2014, , .		1
76	Smart grid and the prospects of electricity demand forecast in Brazilian distribution system. , 2014, , .		1
77	Real-time reconfiguration of distribution network with distributed generation. Electric Power Systems Research, 2014, 107, 59-67.	2.1	83
78	A methodology for real time analysis of parallelism of distribution networks. Electric Power Systems Research, 2013, 105, 1-8.	2.1	6
79	Methodologies for the development of a central control system in a smart grid environment based in free softwares. , 2013, , .		1
80	A multicriteria approach for meter placement in monitoring of smart distribution systems. , 2013, , .		3
81	A multicriteria approach for meter placement in distribution systems. , 2013, , .		2
82	Automatic restoration of power supply considering islanded operation of distribution network. , 2013, , .		0
83	Methodology for adjustment of limits of power supply continuity by Linear Programming. , 2013, , .		0
84	Real-time load forecasting for demand side management with only a few days of history available. , 2013, , .		3
85	Grid of microgeneration distributed photovoltaic in small telecommunications stations in Southern of Brazil. , 2013, , .		0
86	Intelligent system for automatic reconfiguration of distribution network in real time. Electric Power Systems Research, 2013, 97, 84-92.	2.1	55
87	A fast power flow for real-time monitoring in smart grid environments. , 2013, , .		3
88	Reconfiguration of distribution network considering distributed generation and multivariables criteria. , 2013, , .		4
89	Fuzzy logic applied for decision making in a demand management system. , 2013, , .		0
90	A novel fuzzy-based expert system for RET selection. Journal of Intelligent and Fuzzy Systems, 2013, 25, 325-333.	0.8	3

#	ARTICLE	IF	CITATIONS
91	Automatic restoration of power supply with possibility of islanded operation of distribution network. , 2013, , .		0
92	Smart Grid and the low voltage consumer behavior facing the dynamic energy rates in the Brazil. , 2012, , .		3
93	A tool for real time analysis of parallelism of distribution networks. , 2012, , .		0
94	Real-time evaluation of voltage control in distribution systems using remote measurements and smart meters. , 2012, , .		4
95	Methodology for placement of Dispersed Generation Systems by analyzing its Impacts in Distribution Networks. IEEE Latin America Transactions, 2012, 10, 1544-1549.	1.2	23
96	Studies on parallelism of feeders for automatic reconfiguration of distribution networks. , 2012, , .		3
97	Supply contract management through the optimal dispatch of distributed generation. , 2012, , .		0
98	Alternatives for voltage control in the scenario of Smart Grids. , 2012, , .		0
99	Selection of hybrid renewable energy systems in landfills. , 2012, , .		1
100	Intelligent system for automatic reconfiguration of distribution networks. , 2012, , .		1
101	Automatic reconfiguration of distribution networks using Smart Grid concepts. , 2012, , .		5
102	Smart grid concepts applied to distribution network reconfiguration. , 2012, , .		0
103	AHP Decision-Making Algorithm to Allocate Remotely Controlled Switches in Distribution Networks. IEEE Transactions on Power Delivery, 2011, 26, 1884-1892.	2.9	88
104	Methodology for allocation of remotely controlled switches in distribution networks based on a fuzzy multi-criteria decision making algorithm. Electric Power Systems Research, 2011, 81, 414-420.	2.1	28
105	Decision making process for selection of electrical energy technologies in landfills. , 2011, , .		1
106	A proposal for redefinition of reliability indexes for power utilities by Fuzzy Logic. , 2011, , .		2
107	Financial impact of penalties applied to Brazilian energy distribution companies by exceeded of the limits of performance of power supply continuity. , 2011, , .		0
108	Optimization of voltage regulators settings and transformer tap zones in distribution systems with great load variation using distribution automation and the smart grids initiatives. , 2011, , .		10

#	ARTICLE	IF	CITATIONS
109	Decision making process for selection of electrical energy technologies in landfills. , 2011, , .		0
110	A Novel Fuzzy-Based Methodology for Biogas Fuelled Hybrid Energy Systems Decision Making. Studies in Fuzziness and Soft Computing, 2011, , 183-198.	0.6	3
111	Multi-objective analysis of impacts of distributed generation placement on the operational characteristics of networks for distribution system planning. International Journal of Electrical Power and Energy Systems, 2010, 32, 1157-1164.	3.3	47
112	Seleç�o de fontes alternativas de geraç�o distribu�da utilizando uma an�lise multicriterial baseada no m�todo AHP e na l�gica fuzzy. Controle and Automacao, 2010, 21, 477-486.	0.2	4
113	A critical analysis of CDM projects concerning sustainability: The use of fuzzy logic for CDM project selection. , 2010, , .		0
114	Assessment of the smart grids applied in reducing the cost of distribution system losses. , 2010, , .		8
115	Allocation and integrated configuration of capacitor banks and voltage regulators considering multi-objective variables in smart grid distribution system. , 2010, , .		10
116	Multicriteria Distribution Network Reconfiguration Considering Subtransmission Analysis. IEEE Transactions on Power Delivery, 2010, 25, 2684-2691.	2.9	58
117	Storage energy management with power quality concerns the analytic hierarchy process and the fuzzy logic. , 2009, , .		3
118	Renewable hybrid systems using biogas fuzzy multi-sets and fuzzy multi-rules. , 2009, , .		0
119	Electric distribution network reconfiguration based on a fuzzy multi-criteria decision making algorithm. Electric Power Systems Research, 2009, 79, 1400-1407.	2.1	32
120	Selection of storage energy technologies in a power quality scenario &#x2014; the AHP and the fuzzy logic. , 2009, , .		20
121	Performance Evaluation of the Adaptive Loss of Field Protection in Synchronous Generators by means of the Positive Offset Method. IEEE Latin America Transactions, 2009, 7, 643-649.	1.2	14
122	Distribution Network Reconfiguration Starting from Fuzzy Multicriteria Decision Making Algorithms. , 2009, , .		1
123	Fuzzy Multi-Sets and Multi-Rules: Analysis of Hybrid Systems Concerning Renewable Sources with Conventional and Flow Batteries. , 2009, , .		3
124	Automatic coordination of protection devices in distribution system. Electric Power Systems Research, 2008, 78, 1210-1216.	2.1	10
125	Studies of parallelism in distribution networks served by different-source substations. Electric Power Systems Research, 2008, 78, 450-457.	2.1	11
126	Software for Automatic Coordination of Protection Devices in Distribution System. IEEE Transactions on Power Delivery, 2008, 23, 2241-2246.	2.9	16



#	ARTICLE	IF	CITATIONS
127	Analysis of the impacts of distributed generation sources considering the appropriate choice of parameters in a multi-objective approach for distribution system planning. , 2008, , .		2
128	Impacts of distributed generation sitting concerning the appropriate choice of parameters in a multicriteria analysis. , 2008, , .		0
129	Analysis of Multi-Objective Methods Applied to Distributed Generation Systems. , 2007, , .		3
130	Automated Coordination and Optimization Tool of Protection Devices for Distribution Systems. , 2007, , .		1
131	Automatic priority of the maintenance activities in distribution systems using multicriterial analysis and fuzzy techniques. , 2007, , .		1
132	New Methods for Distribution Network Reconfiguration from Multicriteria Decision-Making. , 2007, , .		4
133	Simulation of Transient State Impacts from Low Power DG Aiming at Improving Power Quality and Reliability of Distribution Networks. , 2007, , .		2
134	Models and methods of decision making in fuzzy environment and their applications to power engineering problems. Numerical Linear Algebra With Applications, 2007, 14, 369-390.	0.9	20
135	Fuzzy set based multiobjective allocation of resources and its applications. Computers and Mathematics With Applications, 2006, 52, 197-210.	1.4	20
136	An Electrochemical-Based Fuel-Cell Model Suitable for Electrical Engineering Automation Approach. IEEE Transactions on Industrial Electronics, 2004, 51, 1103-1112.	5.2	461
137	Experimental Basis and Simulation Methodology for Fuel Cell Fed Converters Connected to Distribution Networks to Improve the Load Curve. , 0, , .		0
138	InserÃ§Ã£o de Infraestrutura de Chave PÃblica no Projeto OpenDHT. , 0, , .		0
139	Mixed-integer stochastic evaluation of battery energy storage system integration strategies in distribution systems. IET Generation, Transmission and Distribution, 0, , .	1.4	2
140	A Parallel Approach for Real-Time Power Flow in Distribution Networks. Renewable Energy and Power Quality Journal, 0, , 616-620.	0.2	2
141	Voltage Forecasting in a Very Short Time Through the Application of Nebulous Systems. Renewable Energy and Power Quality Journal, 0, 1, 906-912.	0.2	0
142	Very short-term load forecast, for demand side management, in absence of historical data. Renewable Energy and Power Quality Journal, 0, , 787-790.	0.2	2