

Rogã©rio Andrade Flauzino

List of Publications by Year in descending order

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72
papers

659
citations

1040018

9
h-index

888047

17
g-index

80
all docs

80
docs citations

80
times ranked

625
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Neural Network Architectures and Training Processes. , 2017, , 21-28.		61
2	Real-Time Voltage Regulation in Power Distribution System Using Fuzzy Control. IEEE Transactions on Power Delivery, 2010, 25, 1112-1123.	4.3	58
3	Efficient Placement of Fault Indicators in an Actual Distribution System Using Evolutionary Computing. IEEE Transactions on Power Systems, 2012, 27, 1841-1849.	6.5	42
4	An approach based on neural networks for estimation and generalization of crossflow filtration processes. Applied Soft Computing Journal, 2008, 8, 590-598.	7.2	29
5	Proposal of a fuzzy-based PMU for detection and classification of disturbances in power distribution networks. International Journal of Electrical Power and Energy Systems, 2018, 94, 27-40.	5.5	25
6	Incipient fault diagnosis in power transformers by data-driven models with over-sampled dataset. Electric Power Systems Research, 2021, 201, 107519.	3.6	25
7	Methodology for information extraction from oscillograms and its application for high-impedance faults analysis. International Journal of Electrical Power and Energy Systems, 2016, 76, 23-34.	5.5	19
8	Fuzzy Control System for Voltage Regulation In Power Transformers. IEEE Latin America Transactions, 2010, 8, 51-57.	1.6	18
9	Efficient feature extraction technique for diagnosing broken bars in three-phase induction machines. Measurement: Journal of the International Measurement Confederation, 2019, 134, 825-834.	5.0	16
10	Practical methodology for modeling and simulation of a lightning protection system using metal-oxide surge arresters for distribution lines. Electric Power Systems Research, 2015, 118, 47-54.	3.6	14
11	Multilayer Perceptron Networks. , 2017, , 55-115.		9
12	Efficient allocation of fault indicators in distribution circuits using fuzzy logic. , 2009, , .		7
13	EMD and MCSA Improved via Hilbert Transform Analysis on Asynchronous Machines for Broken Bar Detection Using Vibration Analysis. , 2019, , .		7
14	Hybrid intelligent architecture for fault identification in power distribution systems. , 2009, , .		6
15	Protection of the distribution lines with distributed generation against lightning overvoltages in the context of smart grids. , 2013, , .		6
16	Decision-Making Support Method for the Preventive Substitution of Surge Arresters on Distribution Systems. Journal of Control, Automation and Electrical Systems, 2019, 30, 391-401.	2.0	6
17	Applied methodology for temperature numerical evaluation on high current leads in power transformers. International Journal of Electrical Power and Energy Systems, 2021, 131, 107014.	5.5	6
18	Automatic detection of thermal damage in grinding process by artificial neural network. Revista Escola De Minas, 2003, 56, 295-300.	0.1	5

#	ARTICLE	IF	CITATIONS
19	A fuzzy methodology to improve time series forecast of power demand in distribution systems. , 2013, , .		5
20	Introducing a cloud based architecture for the distributed analysis of Real-Time Ethernet traffic. , 2020, , .		5
21	A Cloud-Based Method for Detecting Intrusions in PROFINET Communication Networks Based on Anomaly Detection. Journal of Control, Automation and Electrical Systems, 2021, 32, 1177-1188.	2.0	5
22	The modified Hopfield architecture applied in dynamic programming problems and bipartite graph optimization. International Journal of Hybrid Intelligent Systems, 2007, 4, 17-26.	1.2	4
23	A Brazilian Experience in Energy Management: Low-cost Actions as Strategy to Reduce Electricity Costs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 40-47.	0.4	4
24	Modeling and simulation of surge arresters for lightning protection of distribution systems. IEEE Latin America Transactions, 2015, 13, 2225-2231.	1.6	4
25	Efficient signal processing technique for information extraction and its applications in power systems. Electric Power Systems Research, 2016, 141, 538-548.	3.6	4
26	Forecast of Stock Market Trends Using Recurrent Networks. , 2017, , 221-227.		4
27	Self-Organizing Kohonen Networks. , 2017, , 157-172.		4
28	Technical strategies for high-impedance fault experiments in power distribution system. , 2008, , .		3
29	The faults variability in distribution systems with distributed generation and robustness of smart grids. , 2013, , .		3
30	Expert System for an Optimized Asset Management in Electric Power Transmission Systems. Journal of Control, Automation and Electrical Systems, 2019, 30, 434-440.	2.0	3
31	Localisation of inter-layer partial discharges in transformer windings by logistic regression and different features extracted from current signals. IET Science, Measurement and Technology, 2020, 14, 913-922.	1.6	3
32	Automatic Identification of Faults in Power Systems Using Neural Network Technique. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	2
33	Regulaç�o autom�tica de tens�o em transformadores de subestaç�o de distribuiç�o usando implementaç�o fuzzy. Controle and Automacao, 2011, 22, 169-183.	0.2	2
34	Development of a methodology to forecast time series using few input variables. , 2013, , .		2
35	Detection of Anomalies Related to the Operation of the Profinet Network Through Feature Extraction and Classification. IEEE Latin America Transactions, 2018, 16, 1855-1861.	1.6	2
36	Broken Rotor Bar Fault Detection in Asynchronous Machines Using Vibration Analysis. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	The Perceptron Network. , 2017, , 29-40.		2
38	Recognition of Disturbances Related to Electric Power Quality Using MLP Networks. , 2017, , 241-246.		2
39	Using Neural Network Techniques for Identification of High-impedance Faults in Distribution Systems. , 2006, , .		1
40	Design of Expert System for Optimized Protection Studies Against Atmospheric Discharges in Distribution Systems. , 2006, , .		1
41	On field experience results related to high-impedance faults in power distribution system. , 2009, , .		1
42	Optimized selection approach of transformer protection devices against atmospheric discharges using expert system. , 2009, , .		1
43	Alocação eficiente de indicadores de faltas em um sistema de distribuição real usando computação evolutiva. Controle and Automacao, 2012, 23, 306-320.	0,2	1
44	Protection of the distribution lines against lightning overvoltages by surge arrester in the context of distributed generation and smart grids. , 2013, , .		1
45	Study on the emergence and expansion of smart grids in divergent cities. , 2014, , .		1
46	Using decision support systems for efficient diagnosis of power transmission transformer. , 2014, , .		1
47	Fuzzy-based Orthogonal Decomposition approach for fault diagnoses in distribution feeders of Smart Cities. , 2015, , .		1
48	Power transformer fault diagnosis using DGA and group decision making with intuitionistic fuzzy preference relations. , 2015, , .		1
49	A fuzzy inference system for disturbance classification in power distribution networks using a low-cost PMU. , 2018, , .		1
50	Expert System for Selection of Regions that Require Improvements in Lightning Protection in Distribution Feeder. , 2019, , .		1
51	Decision Trees Applied to Fault Locations in Distribution Systems with Smart Meters. , 2019, , .		1
52	Efficient Parametric Adjustment of Fuzzy Inference System Using Unconstrained Optimization. Lecture Notes in Computer Science, 2007, , 399-406.	1.3	1
53	Efficient Parametric Adjustment of Fuzzy Inference System Using Error Backpropagation Method. Lecture Notes in Computer Science, 2009, , 807-816.	1.3	1
54	The ADALINE Network and Delta Rule. , 2017, , 41-54.		1

#	ARTICLE	IF	CITATIONS
55	A Novel Approach for Incipient Fault Diagnosis in Power Transformers by Artificial Neural Networks. , 2021, , .		1
56	An Alternative Approach to Estimate Load Torque in Industrial Environment Using Neural Networks. , 2006, , .		0
57	An Approach Based on Neural Networks for Identification of Fault Sections in Radial Distribution Systems. , 2006, , .		0
58	Increasing safety and reliability in power distribution systems from optimized selection of protection devices. , 2010, , .		0
59	Modeling performance indices in distribution systems based on electrical network information, environmental variables and historical data. , 2011, , .		0
60	Using intelligent systems in experimental signal analysis for power transformer diagnosis. , 2014, , .		0
61	Procedure for protection of distribution feeder against induced voltages by indirect lightning. , 2015, , .		0
62	Recurrent Hopfield Networks. , 2017, , 139-155.		0
63	An Approach to Condition Assessment of High-Voltage Insulators by Ultrasound and an Ensemble of Convolutional Neural Networks. , 2020, , .		0
64	Multilayer Optimization Approach for Fuzzy Systems. , 2009, , 1121-1129.		0
65	Intelligent Systems for the Detection of Internal Faults in Power Transmission Transformers. , 2012, , .		0
66	ClassificaÃ§Ã£o de DistÃºrbios de Qualidade de Energia ElÃ©trica Empregando Redes Neurais Artificiais. , 0, , .		0
67	ProteÃ§Ã£o de Alimentadores de DistribuÃ§Ã£o contra TensÃµes Induzidas por Descargas AtmosfÃ©ricas Indiretas. , 0, , .		0
68	Sistema de InferÃªncia Fuzzy Multicamadas Aplicado Ã LocalizaÃ§Ã£o de Faltas em Sistemas de DistribuÃ§Ã£o usando Apenas MediÃ§Ãµes de TensÃ£o. , 0, , .		0
69	Method for Classifying Tomatoes Using Computer Vision and MLP Networks. , 2017, , 253-258.		0
70	Solution of Constrained Optimization Problems Using Hopfield Networks. , 2017, , 267-277.		0
71	Disease Diagnostic System Using ART Networks. , 2017, , 229-233.		0
72	Performance Analysis of RBF and MLP Networks in Pattern Classification. , 2017, , 259-265.		0