

Luiz Meyer

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

563
citations

13
h-index

23
g-index

46
ext. papers

725
ext. citations

2.4
avg, IF

3.94
L-index

#	Paper	IF	Citations
30	Echo state network applied for classification of medium voltage insulators. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 134, 107336	5.1	12
29	Analysis of the Ultrasonic Signal in Polymeric Contaminated Insulators Through Ensemble Learning Methods. <i>IEEE Access</i> , 2022 , 10, 33980-33991	3.5	3
28	Comparison of artificial intelligence techniques to failure prediction in contaminated insulators based on leakage current. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 42, 3285-3298	1.6	6
27	A Study of Multilayer Perceptron Networks Applied to Classification of Ceramic Insulators Using Ultrasound. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1592	2.6	15
26	Tools for Measuring Energy Sustainability: A Comparative Review. <i>Energies</i> , 2020 , 13, 2366	3.1	16
25	Electrical Insulator Fault Forecasting Based on a Wavelet Neuro-Fuzzy System. <i>Energies</i> , 2020 , 13, 484	3.1	26
24	Analysis of training techniques of ANN for classification of insulators in electrical power systems. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 1591-1597	2.5	19
23	Fault detection in insulators based on ultrasonic signal processing using a hybrid deep learning technique. <i>IET Science, Measurement and Technology</i> , 2020 , 14, 953-961	1.5	16
22	Inclined Plane Test for Erosion of Polymeric Insulators under AC and DC Voltages. <i>IEEE Latin America Transactions</i> , 2020 , 18, 1455-1461	0.7	3
21	Optimized Ensemble Extreme Learning Machine for Classification of Electrical Insulators Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5170-5178	8.9	32
20	Analysis of the Behavior of the 3rd Harmonic over Power Transmission Lines 2019 ,		1
19	Fault diagnosis of insulators from ultrasound detection using neural networks. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 6655-6664	1.6	23
18	Design of a Control System Card for Frequency Inverter in FPGA. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 421-431	0.4	
17	Analysis of the Electric Field in Porcelain Pin-Type Insulators via Finite Elements Software. <i>IEEE Latin America Transactions</i> , 2018 , 16, 2505-2512	0.7	14
16	Diagnostic of Insulators of Conventional Grid Through LabVIEW Analysis of FFT Signal Generated from Ultrasound Detector. <i>IEEE Latin America Transactions</i> , 2017 , 15, 884-889	0.7	11
15	Mathematical model for prediction of the leakage current on distribution insulators of 25 kV class 2017 ,		5
14	. <i>IEEE Electrical Insulation Magazine</i> , 2016 , 32, 21-27	2.1	1

13	Radiometric monitoring applied in the evaluation performance of power circuit breakers 2015 ,		1
12	Coupling Transmission Lines for Wave-Shape Adjust in High-Voltage Surge Tests. <i>IEEE Transactions on Industry Applications</i> , 2013 , 49, 2409-2413	4.3	
11	A model for the analysis of overvoltage in power distribution network including the TLM method 2013 ,		1
10	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 237-244	2.3	32
9	Salt fog testing of glass insulators with different surface conditions 2013 ,		1
8	A study of the correlation of leakage current, humidity and temperature of 25 kV insulators in urban and rural areas 2011 ,		9
7	Experience with salt-fog and inclined-plane tests for aging polymeric insulators and materials. <i>IEEE Electrical Insulation Magazine</i> , 2010 , 26, 42-50	2.1	4
6	Use of Nanosilica in Silicone Rubber Coatings for Ceramic Insulators in Coastal Areas - Field Results. <i>Electrical Insulation, IEEE International Symposium on</i> , 2008 ,		1
5	A novel technique to evaluate the erosion resistance of silicone rubber composites for high voltage outdoor insulation using infrared laser erosion. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2005 , 1201-1208	2.3	35
4	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2004 , 11, 224-232	2.3	40
3	. <i>IEEE Electrical Insulation Magazine</i> , 2004 , 20, 13-21	2.1	139
2	Thermal conductivity of filled silicone rubber and its relationship to erosion resistance in the inclined plane test. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2004 , 11, 620-630	2.3	92
1	Estimating erosion on polymeric materials using a laser based model		2