

?? ?

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6919313/-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

83
papers

903
citations

16
h-index

26
g-index

106
ext. papers

1,307
ext. citations

3.1
avg, IF

4.72
L-index

#	Paper	IF	Citations
83	Dissolved gas analysis of insulating oil for power transformer fault diagnosis with deep belief network. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 2828-2835	2.3	99
82	Robust Time Delay Estimation Method for Locating UHF Signals of Partial Discharge in Substation. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1960-1968	4.3	69
81	GIS partial discharge pattern recognition via deep convolutional neural network under complex data source. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 678-685	2.3	47
80	A Novel Association Rule Mining Method of Big Data for Power Transformers State Parameters Based on Probabilistic Graph Model. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 695-702	10.7	42
79	Localization Algorithm for the PD Source in Substation Based on L-Shaped Antenna Array Signal Processing. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 472-479	4.3	36
78	Insulating property of polypropylene nanocomposites filled with nano-MgO of different concentration. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1430-1437	2.3	33
77	Cleaning Method for Status Monitoring Data of Power Equipment Based on Stacked Denoising Autoencoders. <i>IEEE Access</i> , 2017 , 5, 22863-22870	3.5	29
76	UHF partial discharge localisation method in substation based on dimension-reduced RSSI fingerprint. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 398-405	2.5	28
75	Single Line-to-Ground Faulted Line Detection of Distribution Systems With Resonant Grounding Based on Feature Fusion Framework. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 1766-1775	4.3	24
74	An Integrated Data Preprocessing Framework Based on Apache Spark for Fault Diagnosis of Power Grid Equipment. <i>Journal of Signal Processing Systems</i> , 2017 , 86, 221-236	1.4	22
73	UHF partial discharge localization algorithm based on compressed sensing. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 21-29	2.3	21
72	A Novel Algorithm for Separating Multiple PD Sources in a Substation Based on Spectrum Reconstruction of UHF Signals. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 809-817	4.3	21
71	Big Data Modeling and Analysis for Power Transmission Equipment: A Novel Random Matrix Theoretical Approach. <i>IEEE Access</i> , 2018 , 6, 7148-7156	3.5	19
70	Framework and implementation of secondary voltage regulation strategy based on multi-agent technology. <i>International Journal of Electrical Power and Energy Systems</i> , 2009 , 31, 67-77	5.1	17
69	Partial Discharge Detection and Recognition in Random Matrix Theory Paradigm. <i>IEEE Access</i> , 2017 , 5, 8205-8213	3.5	16
68	Fault-cause identification method based on adaptive deep belief network and time-frequency characteristics of travelling wave. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 724-732	2.5	16
67	A Novel Transient Fault Current Sensor Based on the PCB Rogowski Coil for Overhead Transmission Lines. <i>Sensors</i> , 2016 , 16,	3.8	16

66	Pattern Recognition of Partial Discharge Image Based on One-dimensional Convolutional Neural Network 2018 ,		16
65	Partial discharge pattern recognition of XLPE cables at DC voltage based on the compressed sensing theory. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 2977-2985	2.3	15
64	A Novel Partial Discharge Localization Method in Substation Based on a Wireless UHF Sensor Array. <i>Sensors</i> , 2017 , 17,	3.8	15
63	Energy Estimation of Partial Discharge Pulse Signals Based on Noise Parameters. <i>IEEE Access</i> , 2016 , 4, 10270-10279	3.5	15
62	Experimental study on space charge and electrical strength of MgO nano-particles/polypropylene composite. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 1812-1819	2.3	14
61	Improving Power Grid Monitoring Data Quality: An Efficient Machine Learning Framework for Missing Data Prediction 2015 ,		13
60	Prediction of Dissolved Gas Concentrations in Transformer Oil Based on the KPCA-FFOA-GRNN Model. <i>Energies</i> , 2018 , 11, 225	3.1	13
59	DC cable feature extraction based on the PD image in the non-subsampled contourlet transform domain. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 533-540	2.3	12
58	Prediction Method for Power Transformer Running State Based on LSTM_DBN Network. <i>Energies</i> , 2018 , 11, 1880	3.1	12
57	Direction of arrival estimation method for multiple UHF partial discharge sources based on virtual array extension. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1526-1534	2.3	12
56	Identification of Lightning Strike on 500-kV Transmission Line Based on the Time-Domain Parameters of a Traveling Wave. <i>IEEE Access</i> , 2016 , 4, 7241-7250	3.5	11
55	Framework of Random Matrix Theory for Power System Data Mining in a Non-Gaussian Environment. <i>IEEE Access</i> , 2016 , 4, 9969-9977	3.5	10
54	Classification of partial discharge images within DC XLPE cables in contourlet domain. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 486-493	2.3	9
53	Simulation analysis on the propagation of the optical partial discharge signal in I-shaped and L-shaped GILs. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1421-1428	2.3	9
52	Effects of inorganic fillers on withstanding short-time breakdown and long-time electrical aging of epoxy composites. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2017 , 12, S10-S15	1	9
51	A novel high-density power energy harvesting methodology for transmission line online monitoring devices. <i>Review of Scientific Instruments</i> , 2016 , 87, 075119	1.7	9
50	Power Transformer Operating State Prediction Method Based on an LSTM Network. <i>Energies</i> , 2018 , 11, 914	3.1	8
49	Reproduction Methodology for Single Phase-to-Ground Faults in Overhead Transmission Lines. <i>IEEE Access</i> , 2017 , 5, 17403-17413	3.5	8

48	Partial Discharge Pattern Recognition Based on 3D Graphs of Phase Resolved Pulse Sequence. <i>Energies</i> , 2020 , 13, 4103	3.1	7
47	A time-domain characterization method for UHF partial discharge sensors. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 110-119	2.3	6
46	Application of EEMD and high-order singular spectral entropy to feature extraction of partial discharge signals. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2018 , 13, 1002-1010	1	6
45	Research on Auto-Tracking Algorithm for Power Line Inspection Based on Unmanned Aerial Vehicle 2012 ,		6
44	Intelligent learning approach for UHF partial discharge localisation in air-insulated substations. <i>High Voltage</i> , 2020 , 5, 583-590	4.1	6
43	Method of GIL partial discharge localization based on natural neighbour interpolation and ECOC-MLP-SVM using optical simulation technology. <i>High Voltage</i> , 2021 , 6, 514-524	4.1	6
42	A Novel Optical Localization Method for Partial Discharge Source Using ANFIS Virtual Sensors and Simulation Fingerprint in GIL. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	6
41	High Accuracy Insulation Fault Diagnosis Method of Power Equipment Based on Power Maximum Likelihood Estimation. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 1291-1299	4.3	5
40	Error correction method based on multiple neural networks for UHF partial discharge localization. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 3730-3738	2.3	5
39	Location Algorithm for Partial Discharge Based on Radio Frequency (RF) Antenna Array 2012 ,		5
38	Risk assessment of transmission dynamic line rating based on Monte Carlo 2011 ,		5
37	Secondary voltage regulation based on wide area network 2009 ,		5
36	LSTM networks for the trend prediction of gases dissolved in power transformer insulation oil 2018 ,		4
35	Penetrating power characteristics of half-wavelength AC transmission in point-to-grid system. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019 , 7, 123-130	4	4
34	Fault early warning in air-insulated substations by RSSI-based angle of arrival estimation and monopole UHF wireless sensor array. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 2345-2351	2.5	3
33	Knowledge-Driven Recognition Methodology of Partial Discharge Patterns in GIS. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	3
32	A Fault Diagnosis Method of Power Transformer Based on Cost Sensitive One-Dimensional Convolution Neural Network 2020 ,		3
31	RSSI-Power-Based Direction of Arrival Estimation of Partial Discharges in Substations. <i>Energies</i> , 2019 , 12, 3450	3.1	3

30	A RSSI-AOA-Based UHF Partial Discharge Localization Method Using MUSIC Algorithm. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-9	5.2	3
29	Multiscale Fusion Simulation of the Influence of Temperature on the Partial Discharge Signal of GIS Insulation Void Defects. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	3
28	A Convolutional Auto-Encoder Method for Anomaly Detection on System Logs 2018 ,		3
27	Partial discharge and noise separation in combined cable DFLs based on three-phase power ratios. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 2740-2751	2.5	2
26	A Method for Separating Multisource Partial Discharges in a Substation Based on Selected Bispectra of UHF Signals. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3751	2.6	2
25	A Classification System for Insulation Defect Identification of Gas-Insulated Switchgear (GIS), Based on Voiceprint Recognition Technology. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3995	2.6	2
24	Inversion method to reconstruct fault transient traveling wave on overhead transmission lines. <i>International Transactions on Electrical Energy Systems</i> , 2018 , 28, e2546	2.2	2
23	An Optical Partial Discharge Localization Method Based on Simulation and Machine learning in GIL 2020 ,		2
22	Partial discharge direction-of-arrival estimation in air-insulated substation by UHF wireless array and RSSI maximum likelihood estimator. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5491-5497	3.7	2
21	Application of multi-source information fusion based on D-S evidence theory in insulation defect identification of DC XLPE cable. <i>High Voltage</i> , 2021 , 6, 599-607	4.1	2
20	UHF signal model parameters identification and reconstruction for partial discharge in substation 2016 ,		2
19	A Novel Partial Discharge Detection Method Based on the Photoelectric Fusion Pattern in GIL. <i>Energies</i> , 2019 , 12, 4120	3.1	2
18	Simulation Study and Detection Position Analysis on Position of Partial Discharge Detection in XLPE Cable Cross-bonding System 2018 ,		2
17	Classification of Partial Discharge Images within DC XLPE Cables Based on Convolutional Deep Belief Network 2018 ,		2
16	Fault diagnosis of transformer based on KPCA and Elman neural network 2018 ,		2
15	Research on Time-Domain Transfer Impedance Measurement Technology for High Frequency Current Transformers in Partial Discharge Detection of Cables. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2020 , 25, 10-17	0.6	1
14	Studies on electric field distribution and partial discharges of XLPE cable at DC voltage 2018 ,		1
13	An Improved Machine Learning Scheme for Data-Driven Fault Diagnosis of Power Grid Equipment 2015 ,		1

12	Influence of Protrusion Tip Size on Current Pulse Characteristics of Negative Corona Discharge Based on Numerical Simulation. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	1
11	Partial discharge pattern recognition based on adaptive multi-resolution analysis of higher-order Singular Spectrum Entropy 2016 ,		1
10	Research on the Power Output Characteristics of a Coupling Transformer in D-FACTS. <i>Energies</i> , 2019 , 12, 4709	3.1	1
9	A Substation UHF Partial Discharge Detection Method Based on Maximum Likelihood Estimation 2019 ,		1
8	Severity Evaluation of UHF Signals of Partial Discharge in GIS Based on Semantic Analysis. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	1
7	A novel partial discharge localization method for GIL based on the 3D optical signal irradiance fingerprint and bagging-KELM. <i>IET Generation, Transmission and Distribution</i> , 2021 , 15, 2240-2249	2.5	1
6	Infrared and Visible Image Fusion of Electric Equipment Using FDST and DC-PCNN 2018 ,		1
5	Online Monitoring Data Cleaning of Transformer Considering Time Series Correlation 2018 ,		1
4	Optical Characteristics and Fault Diagnosis of Partial Discharge in C4F7N/CO2 Gas mixture and SF6 Based on Novel Multispectral Microarray Detection. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2022 , 1-1	2.3	0
3	An array virtual extension method for power equipment acoustic emission direction of arrival estimation based on high-order cumulants. <i>High Voltage</i> , 2021 , 6, 95-105	4.1	
2	Detecting and Classifying Multiple Class Events in a Power Distribution System Based on an Eigenvalue Fluctuation Model. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	
1	Application of a Partial Discharge Diagnosis Method Based on the Novel Multispectral Array Sensor and GMM in Different Insulating Gases. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-11	5.2	