

Lei Lan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2519842/publications.pdf>

Version: 2024-02-01

45
papers

287
citations

1040056

9
h-index

996975

15
g-index

45
all docs

45
docs citations

45
times ranked

296
citing authors

#	ARTICLE	IF	CITATIONS
1	Wind tunnel experiments on the pollution characteristics of suspension insulators in an ion flow field. <i>Journal of Electrostatics</i> , 2022, 115, 103659.	1.9	5
2	Current Density Limit of DC Grounding Facilities Considering Impact on Zebrafish (<i>Brachydanio rerio</i>). <i>Sustainability</i> , 2022, 14, 3942.	3.2	0
3	Simulation study on the pollution accumulation of the porcelain insulator in a wind tunnel under direct-current composite electric field. <i>Electric Power Systems Research</i> , 2022, 209, 108014.	3.6	6
4	Soil resistivity modeling for temperature rise calculating of HVDC deep-well earth electrode. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106537.	5.5	4
5	Temperature Rise Characteristics and Error Analysis of a DC Voltage Divider. <i>Energies</i> , 2021, 14, 1914.	3.1	5
6	Burst Pulses for Positive Corona Discharge in an Air Atmosphere: A Simulation Study. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 1079-1087.	1.3	1
7	Research on Earth Resistivity Measuring and Modeling of HVDC Deep-Well Grounding Electrode Sites. <i>IEEE Access</i> , 2020, 8, 23776-23786.	4.2	7
8	Load extrapolation computational algorithms for energy efficiency measurement testing of high-power and high-voltage induction motors. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2019, 14, 1570-1574.	1.4	1
9	The Influence of Natural Contamination on Pollution Flashover Voltage Waveform of Porcelain Insulators in Heavily Polluted Area. <i>IEEE Access</i> , 2019, 7, 121395-121406.	4.2	16
10	Experimental Study on Gas Evolution Characteristics of DC Deep Well Grounding Electrodes. <i>IEEE Access</i> , 2019, 7, 57450-57458.	4.2	4
11	Test and Observation of Lightning Shielding Characteristics of $\pm 1100\text{kV}$ Transmission Lines. , 2019, , .		0
12	Study on Corona Aging of Room Temperature Vulcanized Silicone Rubber. , 2019, , .		0
13	Studies on metallurgical contamination accumulation characteristics on ceramic insulator of 500kV AC transmission line. <i>IET Science, Measurement and Technology</i> , 2019, 13, 722-728.	1.6	7
14	Application of tower grounding device equivalent model in the calculation of transmission line back-flashover. <i>Journal of Engineering</i> , 2019, 2019, 1830-1835.	1.1	3
15	Research on RTV Vulcanization Performance Based on Hydrophobicity, SEM, FTIR and TGA. , 2019, , .		0
16	Characteristics of Alternating Current Corona Discharge Pulses and Its Radio Interference Level in a Coaxial Wire-Cylinder Gap. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 598-605.	1.3	13
17	Numerical Simulation and Field Test of the Transient Temperature Rise of HVdc Grounding Electrodes. <i>IEEE Transactions on Power Delivery</i> , 2018, 33, 22-31.	4.3	9
18	The Research on Selective Discharge Experiment of Double Scaling Wind Turbines. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	The Lightning Shielding Effect to ± 1100 kV UHVDC Line Provided by a Parallel 500kV AC Line in a Joint Right-of-Way. , 2018, , .		1
20	Corrosion Rate Simulation and Influence Factors of a Vertical DC Grounding Electrode. IEEE Access, 2018, 6, 57230-57238.	4.2	9
21	Electron swarm parameters and Townsend coefficients of atmospheric corona discharge plasmas by considering humidity. Physics of Plasmas, 2018, 25, .	1.9	10
22	Effect of transformer oil on room temperature vulcanized silicone rubber. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 2337-2343.	2.9	8
23	Electrical erosion test and condition assessment of SF ₆ CB contact sets. IET Generation, Transmission and Distribution, 2017, 11, 1901-1909.	2.5	18
24	Improved Electrogeometric Model Suitable for EHV and UHV Transmission Lines Developed through Breakdown Testing for Long Air Gaps. Energies, 2017, 10, 333.	3.1	4
25	Force and Motion Characteristics of Contamination Particles near the High Voltage End of UHVDC Insulator. Energies, 2017, 10, 969.	3.1	2
26	RTV Silicone Rubber Degradation Induced by Temperature Cycling. Energies, 2017, 10, 1054.	3.1	27
27	Effect of Altitude on the Audible Noise Level of AC Power lines. Energies, 2017, 10, 1055.	3.1	12
28	Effect of Wind Turbine Blade Rotation on Triggering Lightning: An Experimental Study. Energies, 2016, 9, 1029.	3.1	13
29	Sparkover observation and analysis of the soil under the impulse current. IET Science, Measurement and Technology, 2016, 10, 228-233.	1.6	11
30	Characteristics of AC corona discharge pulses and RI levels in a coaxial wire-cylinder gap. , 2016, , .		0
31	Study on the forces and motion characteristics of contamination particles nearby the high voltage end of HVDC insulator. , 2016, , .		0
32	Breakdown characteristics of different air gaps with negative switching impulse. , 2016, , .		1
33	Study on the Effective Ionization Rate of Atmospheric Corona Discharge Plasmas by Considering Humidity. IEEE Transactions on Plasma Science, 2016, 44, 3386-3391.	1.3	9
34	Study on the effect of corona on hydrophobicity recovery performance of RTV silicone rubber and its failure criterion. , 2016, , .		3
35	Statistical characteristics of breakdowns in long air gaps at negative switching impulses. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 779-786.	2.9	8
36	Experimental research on lightning shielding performance of large scaled UHV transmission line. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 2871-2878.	2.9	2

#	ARTICLE	IF	CITATIONS
37	Analysis of Excess Loss in SiFe Laminations Considering Eddy-Current Dominated Domain Wall Motion. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	8
38	Impulse Characteristics of Tower Grounding Devices Considering Soil Ionization by the Time-Domain Difference Method. IEEE Transactions on Power Delivery, 2015, 30, 1906-1913.	4.3	20
39	Feasibility study on using jacket structure as natural grounding electrode of offshore wind turbines. , 2014, , .		1
40	Breakdown characteristics of long air gap with negative polarity switching impulse. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 603-611.	2.9	27
41	Experimental Study and Data Processing of On-Line Monitoring System for High Voltage Cables. , 2009, , .		4
42	Numerical Analysis on Lightning Shielding Performance of Overhead Lines based on Leader Progression Model. , 2009, , .		0
43	Effects of Impulse Voltage Waveforms on Lightning Shielding Simulation Test of Transmission Lines. , 2009, , .		6
44	The Analysis on Soil Structure for the Grounding Projects. , 2009, , .		1
45	Analysis of soil impulse discharge characteristics based on optical-electrical synchronous observation. IET Generation, Transmission and Distribution, 0, , .	2.5	1