

Qing Yang

List of Publications by Year in descending order

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362
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual LiNbO ₃ Crystal-Based Batteryless and Contactless Optical Transient Overvoltage Sensor for Overhead Transmission Line and Substation Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 7323-7332.	7.9	43
2	A Smart Online Over-Voltage Monitoring and Identification System. Energies, 2011, 4, 599-615.	3.1	38
3	Intense Electric-Field Optical Sensor for Broad Temperature-Range Applications Based on a Piecewise Transfer Function. IEEE Transactions on Industrial Electronics, 2019, 66, 1648-1656.	7.9	33
4	Effect of surface modification of electrodes on charge injection and dielectric characteristics of propylene carbonate. High Voltage, 2020, 5, 15-23.	4.7	32
5	Intense transient electric field sensor based on the electro-optic effect of LiNbO ₃ . AIP Advances, 2015, 5, .	1.3	29
6	Statistical analysis on measured lightning overvoltage surges in a 110 kV air-insulated substation. IET Science, Measurement and Technology, 2015, 9, 28-36.	1.6	28
7	Non-contact measurement of lightning and switching transient overvoltage based on capacitive coupling and pockels effects. Electric Power Systems Research, 2016, 139, 93-100.	3.6	23
8	An optical fiber Bragg grating and piezoelectric ceramic voltage sensor. Review of Scientific Instruments, 2017, 88, 105005.	1.3	23
9	Field Experiments on Overvoltage Caused by 12-kV Vacuum Circuit Breakers Switching Shunt Reactors. IEEE Transactions on Power Delivery, 2016, 31, 657-664.	4.3	20
10	Space charge inhibition effect of nano-Fe ₃ O ₄ on improvement of impulse breakdown voltage of transformer oil based on improved Kerr optic measurements. AIP Advances, 2015, 5, .	1.3	19
11	Measurement of Lightning-Induced Overvoltage in Power Distribution Lines Using Ceramic-Capacitor Insulator. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 788-795.	2.2	18
12	Suppression Measures for Overvoltage Caused by Vacuum Circuit Breaker Switching Off 10-kV Shunt Reactor. IEEE Transactions on Power Delivery, 2020, 35, 540-548.	4.3	17
13	Effect of electrode materials on the space charge distribution of an Al ₂ O ₃ nano-modified transformer oil under impulse voltage conditions. Journal Physics D: Applied Physics, 2017, 50, 465106.	2.8	16
14	Effects of TiO ₂ nanoparticles and electrodes surface-modified by low-temperature plasma on impulse breakdown voltage of propylene carbonate. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 442-449.	2.9	16
15	Mechanism and Application of Arrester Block Voltage Division to Lightning Transient Voltage Monitoring in Substation Transformers. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 689-696.	2.2	15
16	Effect of the electrode material on the breakdown voltage and space charge distribution of propylene carbonate under impulse voltage. AIP Advances, 2016, 6, .	1.3	13
17	Space charge injection behaviors and dielectric characteristics of nano-modified transformer oil using different surface condition electrodes. AIP Advances, 2019, 9, .	1.3	13
18	Distribution Line Fault Location With Unknown Fault Impedance Based on Electromagnetic Time Reversal. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1921-1929.	2.2	13

#	ARTICLE	IF	CITATIONS
19	Nano-sized composite improving the insulating performance of insulating paper using low-temperature plasmas. <i>Nanotechnology</i> , 2021, 32, 185704.	2.6	11
20	Electric field and space charge distribution measurement in transformer oil struck by impulsive high voltage. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	10
21	A multi-point voltage sensing system based on PZT and FBG. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 117, 105607.	5.5	10
22	AC/DC hybrid electric field measurement method based on Pockels effect and electric field modulation. <i>Review of Scientific Instruments</i> , 2020, 91, 055004.	1.3	10
23	Facile synthesis of nitrogen-doped and boron-doped reduced graphene oxide using radio-frequency plasma for supercapacitors. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 265501.	2.8	10
24	Analysis and suppression measures of lightning transient overvoltage in the signal cable of wind turbines. <i>Wind Energy</i> , 2018, 21, 211-225.	4.2	9
25	Surface Modification of Nanoparticle and Its Charging Dynamics During Streamer Discharge in Transformer Oil. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 424-430.	0.4	8
26	Miniature Micro-Ring Resonator Sensor With Electro-Optic Polymer Cladding for Wide-Band Electric Field Measurement. <i>Journal of Lightwave Technology</i> , 2022, 40, 2577-2584.	4.6	8
27	A Distribution Line Fault Location Estimation Algorithm Based on Electromagnetic Time-Reversal Method Calculated in the Finite Difference Time Domain. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2022, 64, 865-873.	2.2	8
28	Transient overvoltage response performance of transformer windings with short-circuit fault. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 2265-2272.	2.5	7
29	Effect of the physical parameters of longitudinally polarized PZT tubes on PZT sensors. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 275501.	2.8	7
30	Deposition of SiO ₂ and TiO ₂ Films on Electrode Materials to Suppress Space Charge Injection. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 3895-3904.	1.3	7
31	Current sensor based on an integrated micro-ring resonator and superparamagnetic nanoparticles. <i>Optics Express</i> , 2020, 28, 5684.	3.4	7
32	Diagnosis of winding fault in three-winding transformer using lightning impulse voltage. <i>Electric Power Systems Research</i> , 2019, 175, 105898.	3.6	6
33	Temperature and composition of AC arc plasma of medium voltage distribution networks in the air. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 245201.	2.8	6
34	Vacancy-rich graphene supported electrocatalysts synthesized by radio-frequency plasma for oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3854-3864.	6.0	6
35	Effect of SiO ₂ Films with Different Thickness Deposited on Copper Electrode Surface for Insulation Properties of Propylene Carbonate. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 600-607.	2.9	5
36	Switching transients caused by vacuum circuit breakers in collection grids of offshore wind farms. <i>Wind Energy</i> , 2021, 24, 1501-1516.	4.2	5

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37	Frequency Optimization of PZT-FBG Voltage Sensor Based on Temperature-Independent Demodulation Method. IEEE Sensors Journal, 2021, 21, 26821-26829.	4.7	5
38	Impulse space charge and dielectric characteristics of an Al ₂ O ₃ nanoparticle suspension in propylene carbonate using various electrode materials. AIP Advances, 2016, 6, 095320.	1.3	4
39	Voltage Sensor utilizing Inverse piezoelectric effect and Fiber Grating. , 2018, , .		3
40	Effects of fiber Bragg grating design on dual-grating demodulation performance. Journal Physics D: Applied Physics, 2018, 51, 495102.	2.8	3
41	Temperature Effect on Dielectric Properties of Propylene Carbonate under Switching Overvoltage. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, , 1-1.	2.9	3
42	High-impedance fault location method of three-phase distribution lines based on electromagnetic time reversal. Electric Power Systems Research, 2022, 212, 108629.	3.6	3
43	Thickness Effect of TiO ₂ Film Deposited on a Blade-Plate Electrode Surface on Breakdown Characteristics of Propylene Carbonate. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 915-923.	2.9	1
44	Improved Transient Model of Prestrikes Encountered in 10 kV Vacuum Circuit Breakers and Its Application to Overvoltage Suppression while Switching on Shunt Reactors. IEEE Transactions on Power Delivery, 2022, 37, 3370-3380.	4.3	1
45	Investigating the influence of nano film depositions on the metal surface on the solid-liquid interfacial work function. Surfaces and Interfaces, 2022, 29, 101789.	3.0	1
46	A Novel Transformer Winding Fault Diagnosis Method Based on Damped Oscillation Wave. Journal of Physics: Conference Series, 2020, 1619, 012008.	0.4	0
47	Diagnosis of overall 10kV cable insulation state based on transient voltage transfer characteristics. , 2021, , .		0
48	Thickness Effect of SiO_2 Film Deposited on Electrode Surface for Liquid Insulation Properties. , 2021, , .		0
49	Experimental Research on Overvoltage Suppressing Measures Caused by 10-kV Vacuum Circuit Breakers Switching-off Shunt Reactors. , 2021, , .		0