

Gang

List of Publications by Year in descending order

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244
papers

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citations

136740

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258
all docs

258
docs citations

258
times ranked

2760
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer/molecular semiconductor all-organic composites for high-temperature dielectric energy storage. Nature Communications, 2020, 11, 3919.	5.8	268
2	A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures. Advanced Materials, 2018, 30, e1805672.	11.1	260
3	Self-healing of electrical damage in polymers using superparamagnetic nanoparticles. Nature Nanotechnology, 2019, 14, 151-155.	15.6	169
4	Analysis and Experiments for IGBT, IEGT, and IGCT in Hybrid DC Circuit Breaker. IEEE Transactions on Industrial Electronics, 2018, 65, 2883-2892.	5.2	140
5	Modification of Transition-Metal Redox by Interstitial Water in Hexacyanometalate Electrodes for Sodium-Ion Batteries. Journal of the American Chemical Society, 2017, 139, 18358-18364.	6.6	102
6	Effective Length of Counterpoise Wire Under Lightning Current. IEEE Transactions on Power Delivery, 2005, 20, 1585-1591.	2.9	94
7	Statistical Analysis on Lightning Performance of Transmission Lines in Several Regions of China. IEEE Transactions on Power Delivery, 2015, 30, 1543-1551.	2.9	86
8	Dissociate lattice oxygen redox reactions from capacity and voltage drops of battery electrodes. Science Advances, 2020, 6, eaaw3871.	4.7	82
9	Design and application of an integrated electro-optic sensor for intensive electric field measurement. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 312-319.	1.8	74
10	Survey of recent progress on lightning and lightning protection research. High Voltage, 2016, 1, 2-10.	2.7	68
11	Development and Application of Integrated Optical Sensors for Intense E-Field Measurement. Sensors, 2012, 12, 11406-11434.	2.1	66
12	Laboratory investigation of impulse characteristics of transmission tower grounding devices. IEEE Transactions on Power Delivery, 2003, 18, 994-1001.	2.9	63
13	Modular Design Methodology of DC Breaker Based on Discrete Metal Oxide Varistors With Series Power Electronic Devices for HVdc Application. IEEE Transactions on Industrial Electronics, 2019, 66, 7653-7662.	5.2	63
14	Transient Voltage Measurements for Overhead Transmission Lines and Substations by Metal-Free and Contactless Integrated Electro-Optic Field Sensors. IEEE Transactions on Industrial Electronics, 2019, 66, 571-579.	5.2	54
15	A Modular Multilevel Converter Integrated With DC Circuit Breaker. IEEE Transactions on Power Delivery, 2018, 33, 2502-2512.	2.9	50
16	Evaluation of the Effective Protection Distance of Low-Voltage SPD to Equipment. IEEE Transactions on Power Delivery, 2005, 20, 123-130.	2.9	49
17	A More Prospective Look at IGCT: Uncovering a Promising Choice for dc Grids. IEEE Industrial Electronics Magazine, 2018, 12, 6-18.	2.3	48
18	Seasonal influences on safety of substation grounding system. IEEE Transactions on Power Delivery, 2003, 18, 788-795.	2.9	47

#	ARTICLE	IF	CITATIONS
19	Measurement of electric field distribution along composite insulators by integrated optical electric field sensor. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 302-310.	1.8	45
20	Effective Protection Distances of Low-Voltage SPD With Different Voltage Protection Levels. IEEE Transactions on Power Delivery, 2010, 25, 187-195.	2.9	44
21	Calculation of DC current distribution in AC power system near HVDC system by using moment method coupled to circuit equations. IEEE Transactions on Magnetics, 2006, 42, 703-706.	1.2	43
22	Finite Volume-Based Approach for the Hybrid Ion-Flow Field of UHVAC and UHVDC Transmission Lines in Parallel. IEEE Transactions on Power Delivery, 2011, 26, 2809-2820.	2.9	42
23	Practical Analytical Model and Comprehensive Comparison of Power Loss Performance for Various MMCs Based on IGCT in HVDC Application. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1071-1083.	3.7	42
24	Analysis of Transient Performance of Grounding System Considering Soil Ionization by Time Domain Method. IEEE Transactions on Magnetics, 2013, 49, 1837-1840.	1.2	40
25	Lightning Impulse Performances of Grounding Devices Covered With Low-Resistivity Materials. IEEE Transactions on Power Delivery, 2006, 21, 1706-1713.	2.9	39
26	Research on a current commutation drive circuit for hybrid dc circuit breaker and its optimisation design. IET Generation, Transmission and Distribution, 2016, 10, 3119-3126.	1.4	39
27	A Novel Mixture Solid-State Switch Based on IGCT With High Capacity and IGBT With High Turn-off Ability for Hybrid DC Breakers. IEEE Transactions on Industrial Electronics, 2020, 67, 4485-4495.	5.2	39
28	Planning and analysis of the demonstration project of the MVDC distribution network in Zhuhai. Frontiers in Energy, 2019, 13, 120-130.	1.2	37
29	Optimal Design of Grounding System Considering the Influence of Seasonal Frozen Soil Layer. IEEE Transactions on Power Delivery, 2005, 20, 107-115.	2.9	36
30	Integrated Gate Commutated Thyristor-Based Modular Multilevel Converters: A Promising Solution for High-Voltage dc Applications. IEEE Industrial Electronics Magazine, 2019, 13, 4-16.	2.3	36
31	Analysis of Electromagnetic Interference on DC Line From Parallel AC Line in Close Proximity. IEEE Transactions on Power Delivery, 2007, 22, 2401-2408.	2.9	33
32	New Mathematical Descriptions of ESD Current Waveform Based on the Polynomial of Pulse Function. IEEE Transactions on Electromagnetic Compatibility, 2006, 48, 589-591.	1.4	32
33	Novel Measurement System for Grounding Impedance of Substation. IEEE Transactions on Power Delivery, 2006, 21, 719-725.	2.9	31
34	Novel method of corrosion diagnosis for grounding grid. , 0, , .		30
35	Decreasing Grounding Resistance of Substation by Deep-Ground-Well Method. IEEE Transactions on Power Delivery, 2005, 20, 738-744.	2.9	30
36	Development and prospect of direct-current circuit breaker in China. High Voltage, 2021, 6, 1-15.	2.7	30

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37	Numerical Analysis of Electric-Field Distribution Around Composite Insulator and Head of Transmission Tower. IEEE Transactions on Power Delivery, 2006, 21, 959-965.	2.9	29
38	Simulation Analysis on Conducted EMD Caused by Valves in \$pm\$800 kV UHVDC Converter Station. IEEE Transactions on Electromagnetic Compatibility, 2009, 51, 236-244.	1.4	29
39	Review on DC transmission systems for integrating large-scale offshore wind farms. Energy Conversion and Economics, 2021, 2, 1-14.	1.9	29
40	Potential distribution analysis of suspended-type metal-oxide surge arresters. IEEE Transactions on Power Delivery, 2003, 18, 1214-1220.	2.9	28
41	Switching Transient of 1000-kV UHV System Considering Detailed Substation Structure. IEEE Transactions on Power Delivery, 2012, 27, 112-122.	2.9	28
42	Experimental Studies of Impulse Breakdown Delay Characteristics of Soil. IEEE Transactions on Power Delivery, 2011, 26, 1600-1607.	2.9	26
43	A Comprehensive Approach for Transient Performance of Grounding System in the Time Domain. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 250-256.	1.4	26
44	Electric field measurements under DC corona discharges in ambient air by electric field induced second harmonic generation. Applied Physics Letters, 2019, 115, 244101.	1.5	26
45	Thermal variation of electric field sensor bias caused by anisotropy of LiNbO ₃ . Applied Physics Letters, 2019, 114, .	1.5	25
46	Grounding Resistance Measurement Analysis of Grounding System in Vertical-Layered Soil. IEEE Transactions on Power Delivery, 2004, 19, 1553-1559.	2.9	24
47	A Normally-off Copackaged SiC-JFET/GaN-HEMT Cascode Device for High-Voltage and High-Frequency Applications. IEEE Transactions on Power Electronics, 2020, 35, 9669-9679.	5.4	24
48	Calculation of Ion Flow Field Under HVdc Bipolar Transmission Lines by Integral Equation Method. IEEE Transactions on Magnetics, 2007, 43, 1237-1240.	1.2	23
49	Thermal characteristics of high voltage whole-solid-insulated polymeric zno surge arrester. IEEE Transactions on Power Delivery, 2003, 18, 1221-1227.	2.9	22
50	Nonuniformity of Electrical Characteristics in Microstructures of ZnO Surge Varistors. IEEE Transactions on Power Delivery, 2004, 19, 138-144.	2.9	22
51	Surface Electric Field for Negative Corona Discharge in Atmospheric Pressure Air. IEEE Transactions on Plasma Science, 2011, 39, 1644-1651.	0.6	21
52	Switching impulse breakdown characteristics of large sphere-plane air gaps compared with rod-plane air gap. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 839-844.	1.8	21
53	Characterization of Static and Dynamic Behavior of 1200 V Normally off GaN/SiC Cascode Devices. IEEE Transactions on Industrial Electronics, 2020, 67, 10284-10294.	5.2	21
54	Fractal model of lightning channel for simulating lightning strikes to transmission lines. Science in China Series D: Earth Sciences, 2009, 52, 3135-3141.	0.9	20

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55	Study on the Influence of the DC Voltage on the Upward Leader Emerging From a Transmission Line. IEEE Transactions on Power Delivery, 2013, 28, 1674-1681.	2.9	20
56	Electrical Parameter Statistic Analysis and Parallel Coordination of ZnO Varistors in Low-Voltage Protection Devices. IEEE Transactions on Power Delivery, 2005, 20, 131-137.	2.9	19
57	Effect of Grounding System on Electromagnetic Fields Around Building Struck by Lightning. IEEE Transactions on Magnetics, 2010, 46, 2955-2958.	1.2	18
58	Effective Protection Distances of SPDs for Household Electrical Appliances. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 690-699.	1.4	18
59	Research on a Novel MEMS Sensor for Spatial DC Electric Field Measurements in an Ion Flows Field. Sensors, 2018, 18, 1740.	2.1	18
60	Stray Impedance Measurement and Improvement of High-Power IGCT Gate Driver Units. IEEE Transactions on Power Electronics, 2019, 34, 6639-6647.	5.4	18
61	Computation of Ion-Flow Field Near the Metal Board House Under the HVDC Bipolar Transmission Line. IEEE Transactions on Power Delivery, 2013, 28, 1233-1234.	2.9	17
62	A WENO Scheme for Simulating Streamer Discharge With Photoionizations. IEEE Transactions on Magnetics, 2014, 50, 325-328.	1.2	17
63	Development of Polymeric Surge ZnO Arresters for 500-kV Compact Transmission Line. IEEE Transactions on Power Delivery, 2006, 21, 113-120.	2.9	16
64	A Time-Domain Multiport Model of Thin-Wire System for Lightning Transient Simulation. IEEE Transactions on Electromagnetic Compatibility, 2010, 52, 128-135.	1.4	16
65	Adaptive Strategies in the Leader Propagation Model for Lightning Shielding Failure Evaluation: Implementation and Applications. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	16
66	Dynamic Model of the DC Fault Clearing Process of a Hybrid Modular Multilevel Converter Considering Commutations of the Fault Current. IEEE Transactions on Power Electronics, 2020, 35, 6668-6672.	5.4	16
67	Influence of Overhead Transmission Line on Grounding Impedance Measurement of Substation. IEEE Transactions on Power Delivery, 2005, 20, 1219-1225.	2.9	15
68	Lightning transient performance analysis of substation based on complete transmission line model of power network and grounding systems. IEEE Transactions on Magnetics, 2006, 42, 875-878.	1.2	15
69	Study on the field effects under reduced-scale DC/AC hybrid transmission lines. IET Generation, Transmission and Distribution, 2013, 7, 717-723.	1.4	15
70	Failure Risk of UHV AC Transmission Line Considering the Statistical Characteristics of Switching Overvoltage Waveshape. IEEE Transactions on Power Delivery, 2013, 28, 1731-1739.	2.9	14
71	2-D Discontinuous Galerkin Method for Streamer Discharge Simulations in Nitrogen. IEEE Transactions on Magnetics, 2013, 49, 1929-1932.	1.2	14
72	A Positivity-Preserving Scheme for the Simulation of Streamer Discharges in Non-Attaching and Attaching Gases. Communications in Computational Physics, 2014, 15, 153-178.	0.7	14

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73	A Novel Hybrid Line Commutated Converter Based on IGCT to Mitigate Commutation Failure for High-Power HVdc Application. IEEE Transactions on Power Electronics, 2022, 37, 4931-4936.	5.4	14
74	Lightning Impulse Breakdown Characteristics of Frozen Soil. IEEE Transactions on Power Delivery, 2008, 23, 2216-2223.	2.9	13
75	Minimum Distance of Lightning Protection Between Insulator String and Line Surge Arrester in Parallel. IEEE Transactions on Power Delivery, 2009, 24, 656-663.	2.9	13
76	Photoemission Replenishment Criterion for Inception of Negative Corona Discharges in Air. IEEE Transactions on Power Delivery, 2011, 26, 1980-1987.	2.9	13
77	Optimisation of gate-commutated thyristors for hybrid DC breakers. IET Power Electronics, 2017, 10, 2002-2009.	1.5	13
78	DC Current Distribution in Both AC Power Grids and Pipelines Near HVDC Grounding Electrode Considering Their Interaction. IEEE Transactions on Power Delivery, 2019, 34, 2240-2247.	2.9	13
79	HV isolated power supply system for complex multiple electrical potential equipment in 500kV hybrid DC breaker. High Voltage, 2020, 5, 425-433.	2.7	13
80	Analysis on influence of long vertical grounding electrodes on grounding system for substation. , 0, , ,		12
81	Requirement of ultra-high voltage GIS arrester to voltage gradient of metal-oxide varistor. Science in China Series D: Earth Sciences, 2009, 52, 450-455.	0.9	12
82	The Optimization of Entering Route for Live Working on 750 kV Transmission Towers by Space Electric-Field Analysis. IEEE Transactions on Power Delivery, 2010, 25, 987-994.	2.9	12
83	Elimination of Closing Resistors for Breakers in 1000-kV UHV System by Surge Arresters. IEEE Transactions on Power Delivery, 2012, 27, 2168-2175.	2.9	12
84	Fault Current-Division Factor of Substation Grounding Grid in Seasonal Frozen Soil. IEEE Transactions on Power Delivery, 2013, 28, 855-865.	2.9	12
85	Branching characteristics of positive streamers in nitrogen-oxygen gas mixtures. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1128-1134.	1.8	12
86	Observation and characterization of impact ionization-induced OFF-state breakdown in Schottky-type GaN gate HEMTs. Applied Physics Letters, 2021, 118, .	1.5	12
87	Power-Frequency Voltage Withstand Characteristics of Insulations of Substation Secondary Systems. IEEE Transactions on Power Delivery, 2010, 25, 734-746.	2.9	11
88	Design and test of the bidirectional solid-state switch for an 160kV/9kA hybrid DC circuit breaker. , 2018, , .		11
89	2D/3D hybrid computation of ion flow field around house near HVDC bipolar transmission lines. , 2010, , .		10
90	Study on the Influence of Space Charge on the Upward Leader Emerging From the Conductors of UHVDC Transmission Lines. IEEE Transactions on Power Delivery, 2015, 30, 106-113.	2.9	10

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91	Experimental evaluation of IGCT converters with reduced di/dt limiting inductance. , 2018, , .		10
92	Physics-based compact model of integrated gate-commutated thyristor with multiple effects for high-power application. IET Power Electronics, 2018, 11, 1239-1247.	1.5	10
93	Shock wave in a long-air-gap leader discharge. AIP Advances, 2019, 9, .	0.6	10
94	Reliability evaluation method for AC/DC hybrid distribution power network considering cascaded multiport power electronic transformer. IET Generation, Transmission and Distribution, 2019, 13, 5357-5364.	1.4	10
95	$\langle i \rangle_{Dv/Dt} \langle i \rangle$ -Control of 1200-V Normally-off SiC-JFET/GaN-HEMT Cascode Device. IEEE Transactions on Power Electronics, 2021, 36, 3312-3322.	5.4	10
96	Ultra-Low on-State Voltage IGCT for Solid-State DC Circuit Breaker With Single-Switching Attribute. IEEE Transactions on Power Electronics, 2021, 36, 3292-3303.	5.4	10
97	Experiment on the application of Bluetooth in vacuum switch cabinet. , 2008, , .		9
98	Statistical Pulse Degradation Characteristics of Grain Boundaries in a ZnO Varistor Based on Microcontact Measurement. Journal of the American Ceramic Society, 2010, 93, 2473-2475.	1.9	9
99	Resultant Electric Field Reduction With Shielding Wires Under Bipolar HVDC Transmission Lines. IEEE Transactions on Magnetics, 2014, 50, 221-224.	1.2	9
100	A 1200-V GaN/SiC cascode device with E-mode p-GaN gate HEMT and D-mode SiC junction field-effect transistor. Applied Physics Express, 2019, 12, 106505.	1.1	9
101	Development and Application of a 10 kV Mechanical DC Circuit Breaker. Energies, 2019, 12, 3615.	1.6	9
102	Mechanism and Novel Structure for di/dt Controllability in U-Shaped Channel Silicon-on-Insulator Lateral IGBTs. IEEE Electron Device Letters, 2019, 40, 1658-1661.	2.2	9
103	Flexible Noncontact Approach for Fault Location of Transmission Lines Using Electro-Optic Field Sensors. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 2151-2158.	1.4	9
104	Dynamic Simulation of Surge Corona With Time-Dependent Upwind Difference Method. IEEE Transactions on Magnetics, 2010, 46, 3109-3112.	1.2	8
105	Analysis of ion flow field of UHV/EHV AC transmission lines. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 496-504.	1.8	8
106	Development of topology and power electronic devices for solid-state circuit breakers. , 2013, , .		8
107	Decreasing Electric Field in Soil Near Grounding Device by Building an Underground Insulating Wall. IEEE Transactions on Power Delivery, 2015, 30, 273-280.	2.9	8
108	Full-Time Junction Temperature Extraction of IGCT Based on Electrothermal Model and TSEP Method for High-Power Applications. IEEE Transactions on Industrial Electronics, 2021, 68, 47-58.	5.2	8

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109	Reconsideration on Capacitor Ripple Voltage of CHB-StatCom: Observation, Modeling, Analysis, and Application of <i>Ripple Effect</i> From Design Perspective. IEEE Transactions on Power Electronics, 2022, 37, 13626-13640.	5.4	8
110	Optimal design analysis of grounding grids for substations built in nonuniform soil. , 0, , .		7
111	Evaluation of Transmit Antenna Position in Reverberation Chamber. IEEE Transactions on Electromagnetic Compatibility, 2007, 49, 86-93.	1.4	7
112	Ion Flow Effects on Negative Direct Current Corona in Air. Plasma Chemistry and Plasma Processing, 2010, 30, 55-73.	1.1	7
113	Equivalent Waveform Parameters of Switching Overvoltages in UHV Systems. IEEE Transactions on Power Delivery, 2013, 28, 1740-1749.	2.9	7
114	Characteristics of Upward Leader Emerging From a Single-Phase Conductor With Different Voltage Class. IEEE Transactions on Power Delivery, 2015, 30, 1833-1842.	2.9	7
115	Polymer Dielectrics: A Scalable, Highâ€Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 1		7
116	Research on temperature rise of high current switchgear in distribution system. Journal of Engineering, 2019, 2019, 2931-2934.	0.6	7
117	Design and test of a magnetic saturationâ€type fault current limiter. Journal of Engineering, 2019, 2019, 2974-2979.	0.6	7
118	Comprehensive Analysis, Design, and Experiment of Shoot-Through Faults in MMC Based on IGCT for VSC-HVDC. IEEE Transactions on Power Electronics, 2021, 36, 6241-6250.	5.4	7
119	Current Oscillation Phenomenon of MMC Based on IGCT and Fast Recovery Diode With High Surge Current Capability for HVDC Application. IEEE Transactions on Power Electronics, 2021, 36, 6218-6222.	5.4	7
120	Short-Circuit Failure Mechanisms of 650-V GaN/SiC Cascode Devices in Comparison With SiC MOSFETs. IEEE Transactions on Industrial Electronics, 2022, 69, 7340-7348.	5.2	7
121	Energy Diverting Converter Topology Using Unidirectional Current H-Bridge Submodules for VSC-HVDC Transmission System. IEEE Transactions on Power Electronics, 2022, 37, 5299-5308.	5.4	7
122	Optimization for Cell Arrangement Design of Gate-Commutated Thyristors Based on Whole Wafer Model and Tabu Search. IEEE Transactions on Electron Devices, 2018, 65, 4938-4946.	1.6	6
123	Systematic Analysis and Characterization of Extreme Failure for IGCT in MMC-HVdc Systemâ€Part I: Device Structure, Explosion Characteristics, and Optimization. IEEE Transactions on Power Electronics, 2022, 37, 8076-8086.	5.4	6
124	Lightning electromagnetic environments of substation considering soil ionization around grounding systems. , 0, , .		5
125	Research and Design of the Neutral Series Resistor to Restrain the HVDC Ground Current Flowing into Transformer. , 2006, , .		5
126	Design and application of line surge arresters to improve lightning protection characteristics of transmission lines. , 2008, , .		5

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127	Ion Flow Field Calculation of Multi-circuit DC Transmission Lines. , 2008, , .		5
128	Analysis on switching transient EMI in ±500-kV HVDC converter stations. , 2008, , .		5
129	Spatially discontinuous ionization phenomenon in inhomogeneous soil. Science China Technological Sciences, 2010, 53, 918-921.	2.0	5
130	Effects of manganese dioxide additives on the electrical characteristics of Al-doped ZnO varistors. Science China Technological Sciences, 2011, 54, 2204-2208.	2.0	5
131	Effect of Coke Bed on the Electrical Performance of HVDC Ground Electrode. IEEE Transactions on Industry Applications, 2016, 52, 4594-4600.	3.3	5
132	Simulation of positive streamers in atmospheric air by a macroscopic model with a new branching criterion. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2112-2121.	1.8	5
133	A Fast Tree Algorithm for Electric Field Calculation in Electrical Discharge Simulations. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	5
134	6-in Dual-Gate Ring Commutated Thyristor for DC Circuit Breakers. IEEE Transactions on Electron Devices, 2019, 66, 1444-1449.	1.6	5
135	An Advanced 4-in Integrated Emitter Turn-off Thyristor With Ultralow Commutation Impedance to Achieve 8
kA Turn-off Capability: Comprehensive Analysis, Design, and Experiments. IEEE Transactions on Industrial Electronics, 2021, 68, 9444-9454.	5.2	5
136	650-V Normally-OFF GaN/SiC Cascode Device for Power Switching Applications. IEEE Transactions on Industrial Electronics, 2022, 69, 8997-9006.	5.2	5
137	Comprehensive Analysis and Experiments of RB-IGCT, IGCT With Fast Recovery Diode and Standard Recovery Diode in Hybrid Line-Commutated Converter for Commutation Failure Mitigation. IEEE Transactions on Industrial Electronics, 2023, 70, 1126-1139.	5.2	5
138	GaN on Engineered Bulk Si (GaN-on-EBUS) Substrate for Monolithic Integration of High-/Low-Side Switches in Bridge Circuits. IEEE Transactions on Electron Devices, 2022, 69, 4162-4169.	1.6	5
139	Data acquisition in distribution system with the GSM network. , 0, , .		4
140	A general method for numerical Green's function in arbitrarily layered soils *. Progress in Natural Science: Materials International, 2003, 13, 637-640.	1.8	4
141	Simulation analysis on radiated EMI from the DC buses in ±500-kV HVDC converter stations. , 2007, , .		4
142	Movement Simulation of Three-Phase Short-Circuit Arcs on Distribution Lines Based on the Coupling of Magnetic Field and Motion. IEEE Transactions on Plasma Science, 2008, 36, 524-529.	0.6	4
143	Radio interference of Ultra HVDC transmission lines in high altitude region. , 2010, , .		4
144	Improve the electrogeometric model by the analysis results of leader propagation model for transmission lines. , 2014, , .		4

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145	Comparison of the Characteristics of Upward Leader Emerging From the Ground Wire and Conductor. IEEE Transactions on Power Delivery, 2014, 29, 708-715.	2.9	4
146	Optimization of operation temperature of gate commutated thyristors for hybrid DC breaker. , 2017, , .		4
147	Calibration of a sensor for an ion electric field under HVDC transmission lines. Journal of Engineering, 2019, 2019, 2842-2845.	0.6	4
148	A DC Grid Access Solution Based on Series-connected Distributed Full-bridge Submodule-based MMCs. , 2019, , .		4
149	The LCOE-Indicator-Based Comprehensive Economic Comparison between AC and DC Power Distribution Networks with High Penetration of Renewable Energy. Energies, 2019, 12, 4621.	1.6	4
150	Impact of Drain Leakage Current on Short Circuit Behavior of GaN/SiC Cascode Devices. IEEE Transactions on Power Electronics, 2021, 36, 12158-12162.	5.4	4
151	Precise Measurement Methodology of nH-Level Gate Electrode Inductance Based on Calculation-Error-Free Algorithm for Unity-Gain Turn-Off Devices. IEEE Transactions on Industrial Electronics, 2021, 68, 6818-6827.	5.2	4
152	Short-Circuit Characteristics and High-Current Induced Oscillations in a 1200-V/80-mA Normally-Off SiC/GaN Cascode Device. IEEE Transactions on Industrial Electronics, 2022, 69, 12773-12783.	5.2	4
153	Improving thermal stability of LiNbO ₃ based electro-optical electric field sensor by depositing a TiO ₂ film. High Voltage, 2022, 7, 840-846.	2.7	4
154	Novel measurement system for grounding impedance of substations and power plants. , 0, , .		3
155	Effect of Nonuniformities of Microstructure and Electrical Property of Grain Boundary to the Global Electrical Characteristics. , 2006, , .		3
156	Flexible compact AC transmission system - a new mode for large-capacity and long-distance power transmission. , 2006, , .		3
157	Reliability Test of Using 802.11b Technology In Switchgear for Measurement and Control. , 2006, , .		3
158	Simulation and measurement of the transient field of indirect electrostatic discharge. , 2006, , .		3
159	Characteristics of EMD source Caused by valves in ±800-kV UHVDC Converter Station. , 2009, , .		3
160	The influence of wind on the audible noise of ultra HVDC transmission line in high altitude area. , 2010, , .		3
161	Tests on electromagnetic environment of ultra HVDC transmission lines in high altitude region. , 2010, , .		3
162	Experimental research of the upward leader inception from transmission line. , 2011, , .		3

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163	Experimental study of overvoltage on distribution lines induced by artificially rocket-triggered lightning. , 2014, , .		3
164	Research on measuring methods and sensors of high voltage DC electric field. , 2014, , .		3
165	Response to "Comment on "Electric field measurements under DC corona discharges in ambient air by electric field induced second harmonic generation" [Appl. Phys. Lett. 117, 026101 (2020)]. Applied Physics Letters, 2020, 117, 026102.	1.5	3
166	Dv/Dt-control of 1200-V Co-packaged SiC- JFET/GaN-HEMT Cascode Device. , 2020, , .		3
167	Analysis and Optimization of Energy Variations in MMCs With Variable DC Voltages. IEEE Transactions on Power Electronics, 2022, 37, 14562-14574.	5.4	3
168	Safety analysis of grounding grid for substations with different structure. , 0, , .		2
169	Electromagnetic interference in control cables of substation caused by short circuit fault. , 0, , .		2
170	Evaluation of the EMP shielding effectiveness for the thin metallic shells. , 2003, , .		2
171	Immunity research of wireless communication in switch cabinet monitoring and control. , 2006, , .		2
172	Evaluation of Transmit Antenna Position in Reverberation Chamber. , 2006, , .		2
173	Experimental study on DC biasing impact on transformer’s vibration and sound. , 2008, , .		2
174	An electro-optic integrated sensor for lightning impulse electric field measurements. , 2008, , .		2
175	A statistical view for fractal simulation of lightning. , 2010, , .		2
176	The new three-dimensional structure of long grounding rod for large-scale substation. , 2011, , .		2
177	Research on characteristics of surface electric field on transmission lines under lightning stroke. , 2011, , .		2
178	An integrated optical sensing system for DC E-field measurement. , 2013, , .		2
179	Upward leader inception criterion considering gas kinetic process and heat conduction. , 2014, , .		2
180	A novel hybrid DC circuit breaker for nodes in multi-terminal DC system. , 2017, , .		2

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181	Analysis on the Commutation Loop Inductance of Different Cathode Regions in GCT Wafer. , 2018, , .		2
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