

Gang

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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.

196
papers

2,275
citations

25
h-index

39
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258
ext. papers

3,113
ext. citations

4.5
avg, IF

5.14
L-index

#	Paper	IF	Citations
196	A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures. <i>Advanced Materials</i> , 2018 , 30, e1805672	24	145
195	Self-healing of electrical damage in polymers using superparamagnetic nanoparticles. <i>Nature Nanotechnology</i> , 2019 , 14, 151-155	28.7	104
194	Polymer/molecular semiconductor all-organic composites for high-temperature dielectric energy storage. <i>Nature Communications</i> , 2020 , 11, 3919	17.4	97
193	Analysis and Experiments for IGBT, IEGT, and IGCT in Hybrid DC Circuit Breaker. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2883-2892	8.9	84
192	Modification of Transition-Metal Redox by Interstitial Water in Hexacyanometalate Electrodes for Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18358-18364	16.4	65
191	Effective length of counterpoise wire under lightning current. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 1585-1591	4.3	63
190	Dissociate lattice oxygen redox reactions from capacity and voltage drops of battery electrodes. <i>Science Advances</i> , 2020 , 6, eaaw3871	14.3	55
189	Design and application of an integrated electro-optic sensor for intensive electric field measurement. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011 , 18, 312-319	2.3	48
188	Laboratory investigation of impulse characteristics of transmission tower grounding devices. <i>IEEE Transactions on Power Delivery</i> , 2003 , 18, 994-1001	4.3	44
187	Survey of recent progress on lightning and lightning protection research. <i>High Voltage</i> , 2016 , 1, 2-10	4.1	43
186	Development and application of integrated optical sensors for intense E-field measurement. <i>Sensors</i> , 2012 , 12, 11406-34	3.8	41
185	Evaluation of the effective protection distance of low-voltage SPD to equipment. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 123-130	4.3	38
184	Modular Design Methodology of DC Breaker Based on Discrete Metal Oxide Varistors With Series Power Electronic Devices for HVdc Application. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7653-7662 ³⁶	8.9	36
183	A Modular Multilevel Converter Integrated With DC Circuit Breaker. <i>IEEE Transactions on Power Delivery</i> , 2018 , 33, 2502-2512	4.3	35
182	Analysis of Transient Performance of Grounding System Considering Soil Ionization by Time Domain Method. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1837-1840	2	32
181	A More Prospective Look at IGCT: Uncovering a Promising Choice for dc Grids. <i>IEEE Industrial Electronics Magazine</i> , 2018 , 12, 6-18	6.2	32
180	Effective Protection Distances of Low-Voltage SPD With Different Voltage Protection Levels. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 187-195	4.3	31

179	Statistical Analysis on Lightning Performance of Transmission Lines in Several Regions of China. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 1543-1551	4.3	30
178	Transient Voltage Measurements for Overhead Transmission Lines and Substations by Metal-Free and Contactless Integrated Electro-Optic Field Sensors. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 571-579	8.9	29
177	Measurement of electric field distribution along composite insulators by integrated optical electric field sensor. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2008 , 15, 302-310	2.3	28
176	Seasonal influences on safety of substation grounding system. <i>IEEE Transactions on Power Delivery</i> , 2003 , 18, 788-795	4.3	28
175	Research on a current commutation drive circuit for hybrid dc circuit breaker and its optimisation design. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 3119-3126	2.5	28
174	Finite Volume-Based Approach for the Hybrid Ion-Flow Field of UHVAC and UHVDC Transmission Lines in Parallel. <i>IEEE Transactions on Power Delivery</i> , 2011 , 26, 2809-2820	4.3	27
173	Practical Analytical Model and Comprehensive Comparison of Power Loss Performance for Various MMCs Based on IGCT in HVDC Application. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1071-1083	5.6	26
172	Integrated Gate Commutated Thyristor-Based Modular Multilevel Converters: A Promising Solution for High-Voltage dc Applications. <i>IEEE Industrial Electronics Magazine</i> , 2019 , 13, 4-16	6.2	25
171	Novel measurement system for grounding impedance of substation. <i>IEEE Transactions on Power Delivery</i> , 2006 , 21, 719-725	4.3	24
170	Calculation of DC current distribution in AC power system near HVDC system by using moment method coupled to circuit equations. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 703-706	2	23
169	Lightning impulse performances of grounding devices covered with low-resistivity materials. <i>IEEE Transactions on Power Delivery</i> , 2006 , 21, 1706-1713	4.3	23
168	Numerical analysis of electric-field distribution around composite insulator and head of transmission tower. <i>IEEE Transactions on Power Delivery</i> , 2006 , 21, 959-965	4.3	23
167	Planning and analysis of the demonstration project of the MVDC distribution network in Zhuhai. <i>Frontiers in Energy</i> , 2019 , 13, 120-130	2.6	23
166	A Novel Mixture Solid-State Switch Based on IGCT With High Capacity and IGBT With High Turn-off Ability for Hybrid DC Breakers. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4485-4495	8.9	22
165	Decreasing grounding resistance of substation by deep-ground-well method. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 738-744	4.3	21
164	Optimal design of grounding system considering the influence of seasonal frozen soil layer. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 107-115	4.3	21
163	Experimental Studies of Impulse Breakdown Delay Characteristics of Soil. <i>IEEE Transactions on Power Delivery</i> , 2011 , 26, 1600-1607	4.3	19
162	Simulation Analysis on Conducted EMD Caused by Valves in \$pm\$ 800 kV UHVDC Converter Station. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2009 , 51, 236-244	2	19

161	Analysis of Electromagnetic Interference on DC Line From Parallel AC Line in Close Proximity. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 2401-2408	4-3	19
160	A Comprehensive Approach for Transient Performance of Grounding System in the Time Domain. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015 , 57, 250-256	2	18
159	Calculation of Ion Flow Field Under HVdc Bipolar Transmission Lines by Integral Equation Method. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 1237-1240	2	18
158	New mathematical descriptions of ESD current waveform based on the polynomial of pulse function. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2006 , 48, 589-591	2	18
157	Nonuniformity of electrical Characteristics in microstructures of ZnO surge varistors. <i>IEEE Transactions on Power Delivery</i> , 2004 , 19, 138-144	4-3	18
156	Grounding resistance measurement analysis of grounding system in vertical-layered soil. <i>IEEE Transactions on Power Delivery</i> , 2004 , 19, 1553-1559	4-3	18
155	Switching Transient of 1000-kV UHV System Considering Detailed Substation Structure. <i>IEEE Transactions on Power Delivery</i> , 2012 , 27, 112-122	4-3	17
154	Surface Electric Field for Negative Corona Discharge in Atmospheric Pressure Air. <i>IEEE Transactions on Plasma Science</i> , 2011 , 39, 1644-1651	1-3	17
153	Thermal characteristics of high voltage whole-solid-insulated polymeric ZnO surge arrester. <i>IEEE Transactions on Power Delivery</i> , 2003 , 18, 1221-1227	4-3	17
152	Fractal model of lightning channel for simulating lightning strikes to transmission lines. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3135-3141		16
151	Switching impulse breakdown characteristics of large sphere-plane air gaps compared with rod-plane air gap. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 839-844	2-3	15
150	Potential distribution analysis of suspended-type metal-oxide surge arresters. <i>IEEE Transactions on Power Delivery</i> , 2003 , 18, 1214-1220	4-3	15
149	Electric field measurements under DC corona discharges in ambient air by electric field induced second harmonic generation. <i>Applied Physics Letters</i> , 2019 , 115, 244101	3-4	15
148	A WENO Scheme for Simulating Streamer Discharge With Photoionizations. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 325-328	2	14
147	Thermal variation of electric field sensor bias caused by anisotropy of LiNbO ₃ . <i>Applied Physics Letters</i> , 2019 , 114, 143501	3-4	13
146	A Time-Domain Multiport Model of Thin-Wire System for Lightning Transient Simulation. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2010 , 52, 128-135	2	13
145	Adaptive Strategies in the Leader Propagation Model for Lightning Shielding Failure Evaluation: Implementation and Applications. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	12
144	A Positivity-Preserving Scheme for the Simulation of Streamer Discharges in Non-Attaching and Attaching Gases. <i>Communications in Computational Physics</i> , 2014 , 15, 153-178	2-4	12

143	Study on the Influence of the DC Voltage on the Upward Leader Emerging From a Transmission Line. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1674-1681	4-3	12
142	Effective Protection Distances of SPDs for Household Electrical Appliances. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2011 , 53, 690-699	2	12
141	Lightning Impulse Breakdown Characteristics of Frozen Soil. <i>IEEE Transactions on Power Delivery</i> , 2008 , 23, 2216-2223	4-3	12
140	Electrical parameter statistic analysis and parallel coordination of ZnO varistors in low-voltage protection devices. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 131-137	4-3	12
139	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 10284-10294	8.9	12
138	A Normally-off Copackaged SiC-JFET/GaN-HEMT Cascode Device for High-Voltage and High-Frequency Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9669-9679	7.2	11
137	Requirement of ultra-high voltage GIS arrester to voltage gradient of metal-oxide varistor. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 450-455		11
136	Photoemission Replenishment Criterion for Inception of Negative Corona Discharges in Air. <i>IEEE Transactions on Power Delivery</i> , 2011 , 26, 1980-1987	4-3	11
135	Effect of Grounding System on Electromagnetic Fields Around Building Struck by Lightning. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2955-2958	2	11
134	Influence of overhead transmission line on grounding impedance measurement of substation. <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 1219-1225	4-3	11
133	Development of polymeric surge ZnO arresters for 500-kV compact transmission line. <i>IEEE Transactions on Power Delivery</i> , 2006 , 21, 113-120	4-3	11
132	Optimisation of gate-commutated thyristors for hybrid DC breakers. <i>IET Power Electronics</i> , 2017 , 10, 2002-2009	2.2	10
131	Stray Impedance Measurement and Improvement of High-Power IGCT Gate Driver Units. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6639-6647	7.2	10
130	Computation of Ion-Flow Field Near the Metal Board House Under the HVDC Bipolar Transmission Line. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1233-1234	4-3	10
129	2-D Discontinuous Galerkin Method for Streamer Discharge Simulations in Nitrogen. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1929-1932	2	10
128	The Optimization of Entering Route for Live Working on 750 kV Transmission Towers by Space Electric-Field Analysis. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 987-994	4-3	10
127	Minimum Distance of Lightning Protection Between Insulator String and Line Surge Arrester in Parallel. <i>IEEE Transactions on Power Delivery</i> , 2009 , 24, 656-663	4-3	10
126	Lightning transient performance analysis of substation based on complete transmission line model of power network and grounding systems. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 875-878	2	10

125	Power-Frequency Voltage Withstand Characteristics of Insulations of Substation Secondary Systems. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 734-746	4.3	9
124	Dynamic Model of the DC Fault Clearing Process of a Hybrid Modular Multilevel Converter Considering Commutations of the Fault Current. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 6668-6672	7.2	8
123	Study on the field effects under reduced-scale DC/AC hybrid transmission lines. <i>IET Generation, Transmission and Distribution</i> , 2013 , 7, 717-723	2.5	8
122	Failure Risk of UHV AC Transmission Line Considering the Statistical Characteristics of Switching Overvoltage Waveshape. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1731-1739	4.3	8
121	Shock wave in a long-air-gap leader discharge. <i>AIP Advances</i> , 2019 , 9, 065011	1.5	7
120	Analysis of ion flow field of UHV/EHV AC transmission lines. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 496-504	2.3	7
119	Fault Current-Division Factor of Substation Grounding Grid in Seasonal Frozen Soil. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 855-865	4.3	7
118	Elimination of Closing Resistors for Breakers in 1000-kV UHV System by Surge Arresters. <i>IEEE Transactions on Power Delivery</i> , 2012 , 27, 2168-2175	4.3	7
117	2D/3D hybrid computation of ion flow field around house near HVDC bipolar transmission lines 2010 ,		7
116	Dynamic Simulation of Surge Corona With Time-Dependent Upwind Difference Method. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 3109-3112	2	7
115	Dv/Dt-Control of 1200-V Normally-off SiC-JFET/GaN-HEMT Cascode Device. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3312-3322	7.2	7
114	Development and prospect of direct-current circuit breaker in China. <i>High Voltage</i> , 2021 , 6, 1-15	4.1	7
113	Physics-based compact model of integrated gate-commutated thyristor with multiple effects for high-power application. <i>IET Power Electronics</i> , 2018 , 11, 1239-1247	2.2	7
112	Mechanism and Novel Structure for di/dt Controllability in U-Shaped Channel Silicon-on-Insulator Lateral IGBTs. <i>IEEE Electron Device Letters</i> , 2019 , 40, 1658-1661	4.4	6
111	Experimental evaluation of IGCT converters with reduced di/dt limiting inductance 2018 ,		6
110	A 1200-V GaN/SiC cascode device with E-mode p-GaN gate HEMT and D-mode SiC junction field-effect transistor. <i>Applied Physics Express</i> , 2019 , 12, 106505	2.4	6
109	Statistical Pulse Degradation Characteristics of Grain Boundaries in a ZnO Varistor Based on Microcontact Measurement. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2473-2475	3.8	6
108	HV isolated power supply system for complex multiple electrical potential equipment in 500kV hybrid DC breaker. <i>High Voltage</i> , 2020 , 5, 425-433	4.1	6

107	Ultra-Low on-State Voltage IGCT for Solid-State DC Circuit Breaker With Single-Switching Attribute. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3292-3303	7.2	6
106	Review on DC transmission systems for integrating large-scale offshore wind farms. <i>Energy Conversion and Economics</i> , 2021 , 2, 1-14	0.7	6
105	Research on a Novel MEMS Sensor for Spatial DC Electric Field Measurements in an Ion Flows Field. <i>Sensors</i> , 2018 , 18,	3.8	6
104	DC Current Distribution in Both AC Power Grids and Pipelines Near HVDC Grounding Electrode Considering Their Interaction. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 2240-2247	4.3	5
103	Design and test of a magnetic saturation-type fault current limiter. <i>Journal of Engineering</i> , 2019 , 2019, 2974-2979	0.7	5
102	Decreasing Electric Field in Soil Near Grounding Device by Building an Underground Insulating Wall. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 273-280	4.3	5
101	Effect of Coke Bed on the Electrical Performance of HVDC Ground Electrode. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4594-4600	4.3	5
100	Branching characteristics of positive streamers in nitrogen-oxygen gas mixtures. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1128-1134	2.3	5
99	Design and test of the bidirectional solid-state switch for an 160kV/9kA hybrid DC circuit breaker 2018 ,		5
98	Development of topology and power electronic devices for solid-state circuit breakers 2013 ,		5
97	Ion Flow Effects on Negative Direct Current Corona in Air. <i>Plasma Chemistry and Plasma Processing</i> , 2010 , 30, 55-73	3.6	5
96	Novel method of corrosion diagnosis for grounding grid		5
95	Comprehensive Analysis, Design, and Experiment of Shoot-Through Faults in MMC Based on IGCT for VSC-HVDC. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6241-6250	7.2	5
94	6-in Dual-Gate Ring Commutated Thyristor for DC Circuit Breakers. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 1444-1449	2.9	4
93	Study on the Influence of Space Charge on the Upward Leader Emerging From the Conductors of UHVDC Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 106-113	4.3	4
92	A Fast Tree Algorithm for Electric Field Calculation in Electrical Discharge Simulations. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	4
91	Comparison of the Characteristics of Upward Leader Emerging From the Ground Wire and Conductor. <i>IEEE Transactions on Power Delivery</i> , 2014 , 29, 708-715	4.3	4
90	Resultant Electric Field Reduction With Shielding Wires Under Bipolar HVDC Transmission Lines. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 221-224	2	4

89	Effects of manganese dioxide additives on the electrical characteristics of Al-doped ZnO varistors. <i>Science China Technological Sciences</i> , 2011 , 54, 2204-2208	3.5	4
88	Spatially discontinuous ionization phenomenon in inhomogeneous soil. <i>Science China Technological Sciences</i> , 2010 , 53, 918-921	3.5	4
87	Design and application of line surge arresters to improve lightning protection characteristics of transmission lines 2008 ,		4
86	Ion Flow Field Calculation of Multi-circuit DC Transmission Lines 2008 ,		4
85	Movement Simulation of Three-Phase Short-Circuit Arcs on Distribution Lines Based on the Coupling of Magnetic Field and Motion. <i>IEEE Transactions on Plasma Science</i> , 2008 , 36, 524-529	1.3	4
84	Analysis on influence of long vertical grounding electrodes on grounding system for substation		4
83	Observation and characterization of impact ionization-induced OFF-state breakdown in Schottky-type p-GaN gate HEMTs. <i>Applied Physics Letters</i> , 2021 , 118, 163502	3.4	4
82	Current Oscillation Phenomenon of MMC Based on IGCT and Fast Recovery Diode With High Surge Current Capability for HVDC Application. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6218-6222	7.2	4
81	Development and Application of a 10 kV Mechanical DC Circuit Breaker. <i>Energies</i> , 2019 , 12, 3615	3.1	3
80	Characteristics of Upward Leader Emerging From a Single-Phase Conductor With Different Voltage Class. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 1833-1842	4.3	3
79	Reliability Test of Using 802.11b Technology In Switchgear for Measurement and Control 2006 ,		3
78	Precise Measurement Methodology of nH-Level Gate Electrode Inductance Based on Calculation-Error-Free Algorithm for Unity-Gain Turn-Off Devices. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 1-1	8.9	3
77	A Novel Hybrid Line Commutated Converter Based on IGCT to Mitigate Commutation Failure for High-power HVDC Application. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
76	Reliability evaluation method for AC/DC hybrid distribution power network considering cascaded multiport power electronic transformer. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 5357-5364	2.5	3
75	Full-Time Junction Temperature Extraction of IGCT Based on Electrothermal Model and TSEP Method for High-Power Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 47-58	8.9	3
74	Optimization for Cell Arrangement Design of Gate-Commutated Thyristors Based on Whole Wafer Model and Tabu Search. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 4938-4946	2.9	3
73	A DC Grid Access Solution Based on Series-connected Distributed Full-bridge Submodule-based MMCs 2019 ,		2
72	Modular Multilevel Converter Using IGCT-based Cross-Connected Modules for Medium Voltage DC Grids 2019 ,		2

71	Equivalent Waveform Parameters of Switching Overvoltages in UHV Systems. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 1740-1749	4-3	2
70	Optimization of operation temperature of gate commutated thyristors for hybrid DC breaker 2017 ,		2
69	An integrated optical sensing system for DC E-field measurement 2013 ,		2
68	Radio interference of Ultra HVDC transmission lines in high altitude region 2010 ,		2
67	A statistical view for fractal simulation of lightning 2010 ,		2
66	Research on characteristics of surface electric field on transmission lines under lightning stroke 2011 ,		2
65	Experimental research of the upward leader inception from transmission line 2011 ,		2
64	Experiment on the application of Bluetooth in vacuum switch cabinet 2008 ,		2
63	Evaluation of Transmit Antenna Position in Reverberation Chamber. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2007 , 49, 86-93	2	2
62	Effect of Nonuniformities of Microstructure and Electrical Property of Grain Boundary to the Global Electrical Characteristics 2006 ,		2
61	Research and Design of the Neutral Series Resistor to Restrain the HVDC Ground Current Flowing into Transformer 2006 ,		2
60	Lightning electromagnetic environments of substation considering soil ionization around grounding systems		2
59	Novel measurement system for grounding impedance of substations and power plants		2
58	Optimal design analysis of grounding grids for substations built in nonuniform soil		2
57	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)]. <i>Applied Physics Letters</i> , 2020 , 117, 026102	3-4	2
56	Dv/Dt-control of 1200-V Co-packaged SiC- JFET/GaN-HEMT Cascode Device 2020 ,		2
55	A Robust Nondestructive Test Scheme Based on Multistage Anode Voltage Detection for 4500 V Single-Cell Turn-Off Capability of Press-Packed Devices. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4905-4909	7.2	2
54	Flexible Noncontact Approach for Fault Location of Transmission Lines Using Electro-Optic Field Sensors. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 1-8	2	2

53	Analysis on the Commutation Loop Inductance of Different Cathode Regions in GCT Wafer 2018 ,		2
52	Simulation of positive streamers in atmospheric air by a macroscopic model with a new branching criterion. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 2112-2121	2.3	2
51	Polymer Dielectrics: A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures (Adv. Mater. 49/2018). <i>Advanced Materials</i> , 2018 , 30, 1870378	24	2
50	Impact of Drain Leakage Current on Short Circuit Behavior of GaN/SiC Cascode Devices. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 12158-12162	7.2	2
49	Multiple modular DC transformer for flexible HVDC application. <i>Journal of Engineering</i> , 2019 , 2019, 2193-2196	2196	1
48	Calibration of a sensor for an ion electric field under HVDC transmission lines. <i>Journal of Engineering</i> , 2019 , 2019, 2842-2845	0.7	1
47	Long-term statistics of corona loss of HVDC transmission line. <i>Journal of Engineering</i> , 2019 , 2019, 3169-3174	3174	1
46	High power IGCT compact model with impact ionization effect 2017 ,		1
45	Improve the electrogeometric model by the analysis results of leader propagation model for transmission lines 2014 ,		1
44	Research on measuring methods and sensors of high voltage DC electric field 2014 ,		1
43	Materials for Grounding 2012 , 461-498		1
42	The influence of wind on the audible noise of ultra HVDC transmission line in high altitude area 2010 ,		1
41	Analysing on characteristics of lightning shielding failure of UHVAC double circuit transmission line based on leader progression method 2010 ,		1
40	Effect of the mutual inductances among grounding conductors on the transient performance of grounding grids 2009 ,		1
39	Influence of impulse breakdown delay of soil on lightning protection characteristics of transmission line 2010 ,		1
38	An electro-optic integrated sensor for lightning impulse electric field measurements 2008 ,		1
37	Immunity research of wireless communication in switch cabinet monitoring and control 2006 ,		1
36	Novel integrated electro-optic sensor for intensive transient electric field measurement 2006 ,		1

35	A general method for numerical Green's function in arbitrarily layered soils. <i>Progress in Natural Science: Materials International</i> , 2003 , 13, 637-640	3.6	1
34	10 kV insulated compact distribution line supported by composite spacers in urban area		1
33	Safety analysis of grounding grid for substations with different structure		1
32	Influence of chromium oxide additive on electrical characteristics of ZnO varistor		1
31	Systematic Analysis and Characterization of Extreme Failure for IGCT in MMC-HVDC systemPart I: Device Structure, Explosion Characteristics and Optimization. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	1
30	Study on the current oscillation between IGCT and anti-paralleled FRD in IGCT-MMC half-bridge 2020 ,		1
29	Energy Diverting Converter Topology Using Unidirectional Current H-Bridge Submodules for VSC-HVDC Transmission System. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	1
28	Electromagnetic transient analysing of neutral bus in UHVDC converter station. <i>Journal of Engineering</i> , 2019 , 2019, 3078-3081	0.7	1
27	A New Method for Current Distribution Study in the 6-in IGCT 2020 ,		1
26	Comparison of Short Circuit Robustness and Failure Mechanisms of GaN/SiC Cascode Devices and SiC Power MOSFETs 2021 ,		1
25	Electrical field evaluation around slender conductors by collocation boundary element method 2016 ,		1
24	The LCOE-Indicator-Based Comprehensive Economic Comparison between AC and DC Power Distribution Networks with High Penetration of Renewable Energy. <i>Energies</i> , 2019 , 12, 4621	3.1	1
23	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. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9444-9454	8.9	1
22	Analysis of Lightning-Induced Overvoltage Waveform Parameters 2018 ,		1
21	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. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	1
20	Research on temperature rise of high current switchgear in distribution system. <i>Journal of Engineering</i> , 2019 , 2019, 2931-2934	0.7	0
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