Guan-Jun Zhang

List of Publications by Year
in descending order

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206	4,462	172386	133188
papers	citations	29 h-index	59 g-index

209	209	209	5359
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	International validation of the consensus Immunoscore for the classification of colon cancer: a prognostic and accuracy study. Lancet, The, 2018, 391, 2128-2139.	6.3	1,487
2	Identification of electron and hole trap based on isothermal surface potential decay model. Journal of Applied Physics, 2013, 113, .	1.1	132
3	Multicenter International Society for Immunotherapy of Cancer Study of the Consensus Immunoscore for the Prediction of Survival and Response to Chemotherapy in Stage III Colon Cancer. Journal of Clinical Oncology, 2020, 38, 3638-3651.	0.8	130
4	Dual effects of atmospheric pressure plasma jet on skin wound healing of mice. Wound Repair and Regeneration, 2015, 23, 878-884.	1.5	94
5	Surface modification of epoxy resin using He/CF 4 atmospheric pressure plasma jet for flashover withstanding characteristics improvement in vacuum. Applied Surface Science, 2017, 414, 107-113.	3.1	85
6	Effects of surface roughness on surface charge accumulation characteristics and surface flashover performance of alumina-filled epoxy resin spacers. Journal of Applied Physics, 2018, 124, .	1.1	76
7	Investigation on dielectric response characteristics of thermally aged insulating pressboard in vacuum and oil-impregnated ambient. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1853-1862.	1.8	72
8	Correlation between trapping parameters and surface insulation strength of solid dielectric under pulse voltage in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 170-178.	1.8	64
9	Comparative study on the atmospheric pressure plasma jets of helium and argon. Applied Physics Letters, 2012, 101, .	1.5	59
10	Recycling experimental investigation on end of life photovoltaic panels by application of high voltage fragmentation. Waste Management, 2020, 101, 180-187.	3.7	57
11	Pulsed flashover across a solid dielectric in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2321-2339.	1.8	53
12	3D printing fabrication of conductivity non-uniform insulator for surface flashover mitigation. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1172-1180.	1.8	53
13	Investigation of surface discharges on different polymeric materials under HVAC in atmospheric air. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 485-494.	1.8	52
14	The regulation mechanism of SiC/epoxy coatings on surface charge behavior and flashover performance of epoxy/alumina spacers. Journal Physics D: Applied Physics, 2019, 52, 405502.	1.3	52
15	Low temperature plasma promoting fibroblast proliferation by activating the NF-Î²B pathway and increasing cyclinD1 expression. Scientific Reports, 2017, 7, 11698.	1.6	48
16	Localization of multiple partial discharge sources in air-insulated substation using probability-based algorithm. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 157-166.	1.8	47
17	Superhydrophobic and high-flashover-strength coating for HVDC insulating system. Chemical Engineering Journal, 2021, 404, 126476.	6.6	47
18	Surface charge transport behavior and flashover mechanism on alumina/epoxy spacers coated by SiC/epoxy composites with varied SiC particle size. Journal Physics D: Applied Physics, 2020, 53, 155503.	1.3	46

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19	Separating Multi-Source Partial Discharge Signals Using Linear Prediction Analysis and Isolation Forest Algorithm. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2734-2742.	2.4	37
20	Novel characteristic parameters for oil-paper insulation assessment from differential time-domain spectroscopy based on polarization and depolarization current measurement. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1918-1928.	1.8	36
21	A computational study of positive streamers interacting with dielectrics. Plasma Sources Science and Technology, 2020, 29, 065004.	1.3	35
22	Progress in degradation of volatile organic compounds based on lowâ€temperature plasma technology. Plasma Processes and Polymers, 2020, 17, 1900131.	1.6	34
23	Experimental investigation of surface charge accumulation behaviors on PTFE insulator under DC and impulse voltage in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3347-3356.	1.8	33
24	Estimation of surface flashover threshold in vacuum: from multipactor to discharge plasma. Journal Physics D: Applied Physics, 2018, 51, 295201.	1.3	33
25	Mechanism of F₂/N₂ fluorination mitigating vacuum flashover of polymers. Journal Physics D: Applied Physics, 2019, 52, 375304.	1.3	33
26	Mechanism of vacuum flashover on surface roughness. Journal Physics D: Applied Physics, 2019, 52, 215301.	1.3	33
27	Experimental and Numerical Investigation on the Interaction Between Ar Flow Channel and Ar Plasma Jet at Atmospheric Pressure. IEEE Transactions on Plasma Science, 2013, 41, 899-906.	0.6	32
28	Low-temperature Plasma Promotes Fibroblast Proliferation in Wound Healing by ROS-activated NF-Î²B Signaling Pathway. Current Medical Science, 2018, 38, 107-114.	0.7	31
29	Review of interface tailoring techniques and applications to improve insulation performance. High Voltage, 2022, 7, 12-31.	2.7	31
30	Simulation on the dynamic charge behavior of vacuum flashover developing across insulator involving outgassing. Physics of Plasmas, 2018, 25, .	0.7	30
31	Enhancing flashover performance of alumina/epoxy spacers by adaptive surface charge regulation using graded conductivity coating. Nanotechnology, 2020, 31, 364002.	1.3	30
32	Residual charge density distribution measurement of surface leader with feedback electrostatic probe. Applied Physics Letters, 2012, 100, .	1.5	29
33	Influence of Penning effect on the plasma features in a non-equilibrium atmospheric pressure plasma jet. Journal of Applied Physics, 2014, 115, .	1.1	28
34	Low-temperature plasma induced melanoma apoptosis by triggering a p53/PIGs/caspase-dependent pathwayin vivoandin vitro. Journal Physics D: Applied Physics, 2019, 52, 315204.	1.3	28
35	Multi-effects of atmospheric He/CF4 plasma jet treatment on the surface properties of epoxy resin. Applied Surface Science, 2021, 544, 148956.	3.1	27
36	A novel sight for understanding surface charging phenomena on downsized HVDC GIL spacers with non-uniform conductivity. International Journal of Electrical Power and Energy Systems, 2020, 120, 105979.	3.3	26

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37	Effect of surface shallow traps on flashover characteristics across machinable ceramic in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 1464-1470.	1.8	25
38	Surface charge distribution patterns of a truncated coneâ€type spacer for highâ€voltage direct current gasâ€insulated metalâ€enclosed transmission line/gasâ€insulated metalâ€enclosed switchgear. IET Science, Measurement and Technology, 2018, 12, 436-442.	0.9	25
39	Effects of surface conductivity on surface charging behavior of DC-GIL spacers. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1038-1045.	1.8	25
40	Effect of Low-Temperature Plasma on Deactivation of Hepatitis B Virus. IEEE Transactions on Plasma Science, 2012, 40, 2711-2716.	0.6	23
41	Flashover strength improvement and multipactor suppression in vacuum using surface charge pre-conditioning on insulator. Journal of Applied Physics, 2018, 124, .	1.1	22
42	Measurements of Secondary Electron Emission From Dielectric Window Materials. IEEE Transactions on Plasma Science, 2013, 41, 2117-2122.	0.6	21
43	UV-cured nanocomposite coating for surface charging mitigation and breakdown strength enhancement: exploring the combination of surface topographical structure and perfluorooctyl chain. RSC Advances, 2020, 10, 16422-16430.	1.7	21
44	Classification and separation of partial discharge ultraâ€highâ€frequency signals in a 252ÂkV gas insulated substation by using cumulative energy technique. IET Science, Measurement and Technology, 2016, 10, 316-326.	0.9	20
45	Mechanism on improved surface flashover performances in vacuum of epoxy resin using fluorocarbon plasma treatment. High Voltage, 2022, 7, 420-428.	2.7	20
46	Partial discharge localisation methodology for power transformers based on improved acoustic propagation route search algorithm. IET Science, Measurement and Technology, 2018, 12, 1023-1030.	0.9	19
47	Investigation of multipactor-induced surface plasma discharge and temporal mode transition. Applied Physics Letters, 2018, 113, 011603.	1.5	19
48	Unraveling the role of surface molecular structure on vacuum flashover for fluorinated copolymers. Applied Surface Science, 2020, 505, 144432.	3.1	19
49	Space charge and electroluminescence characteristics of thermally aged LDPE films. Applied Surface Science, 2008, 255, 2735-2739.	3.1	18
50	Enhancing electrical strength of acrylate polymer by using fluorinated monomer as surface modifier. Materials Letters, 2019, 249, 17-20.	1.3	18
51	Modelling vacuum flashover mitigation with complex surface microstructure: mechanism and application. High Voltage, 2020, 5, 110-121.	2.7	18
52	Ultralow secondary electron emission and improved vacuum surface insulation of polyimide with scalable nanocomposite coating. Applied Surface Science, 2022, 592, 153221.	3.1	18
53	An Efficacious Endometrial Sampler for Screening Endometrial Cancer. Frontiers in Oncology, 2019, 9, 67.	1.3	17
54	Experimental Research on Mode Transitions of Atmospheric Pressure Helium Dielectric Barrier Discharge. IEEE Transactions on Plasma Science, 2016, 44, 2576-2588.	0.6	16

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55	Effects of atmospheric pressure plasma jet with floating electrode on murine melanoma and fibroblast cells. Physics of Plasmas, 2017, 24, .	0.7	16
56	Monte Carlo simulation of temporal behavior of surface charging across insulator at flashover initial stage in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3304-3312.	1.8	16
57	Plasma â€œbulletâ€•with hollow structure: formation and evolution. Scientific Reports, 2018, 8, 7599.	1.6	16
58	Electrical and spectral characterization of an atmospheric pressure He/CF4 plasma jet. Physics of Plasmas, 2018, 25, .	0.7	16
59	First-principle investigation of the charge injection barriers of polyethylene and polytetrafluoroethylene oligomers. Journal of Applied Physics, 2019, 126, .	1.1	16
60	On the role of secondary electron emission in capacitively coupled radioâ€frequency plasma sheath: A theoretical ground. Plasma Processes and Polymers, 2019, 16, 1900093.	1.6	16
61	Integrated modeling of plasma-dielectric interaction: kinetic boundary effects. Plasma Sources Science and Technology, 2019, 28, 055001.	1.3	16
62	Discrimination of three or more partial discharge sources by multiâ€step clustering of cumulative energy features. IET Science, Measurement and Technology, 2019, 13, 149-159.	0.9	16
63	Review of surface transient charge measurement on solid insulating materials via the Pockels technique. High Voltage, 2021, 6, 608-624.	2.7	16
64	Cathode-like luminescence from vacuum-dielectric interface induced by self-stabilizing secondary electron emission. Applied Physics Letters, 2012, 101, 041604.	1.5	15
65	The special immune microenvironment of tumor budding and its impact on prognosis in gastric adenocarcinoma. Pathology Research and Practice, 2020, 216, 152926.	1.0	15
66	Analysis of FDS Characteristics of Oil-impregnated Paper Insulation under High Electric Field Strength Based on the Motion of Charge Carriers. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1153-1161.	1.8	15
67	Promotion of Epoxy Resin Surface Electrical Insulation Performance and Its Stability by Atmospheric Fluorocarbon Dielectric Barrier Discharge. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1973-1981.	1.8	15
68	Surface electroluminescence phenomena correlated with trapping parameters of insulating polymers. Applied Surface Science, 2007, 254, 1450-1455.	3.1	14
69	Study on the Property Evolution of Atmospheric Pressure Plasma Jets in Helium. Plasma Science and Technology, 2014, 16, 83-88.	0.7	14
70	Viability Reduction of Melanoma Cells by Plasma Jet via Inducing G1/S and G2/M Cell Cycle Arrest and Cell Apoptosis. IEEE Transactions on Plasma Science, 2014, 42, 1640-1647.	0.6	14
71	Numerical optimization and 3D-printing fabrication concept of high voltage FGM insulator. , 2015, , .		14
72	Luminescence evolution from alumina ceramic surface before flashover under direct and alternating current voltage in vacuum. AIP Advances, 2016, 6, .	0.6	14

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73	Investigation on Spurt Length of Atmospheric-Pressure Plasma Jets. IEEE Transactions on Plasma Science, 2011, 39, 2340-2341.	0.6	13
74	Theoretical and simulation research on self-stabilizing secondary electron emission process across solid dielectrics in vacuum. Journal of Applied Physics, 2013, 113, .	1.1	13
75	Effects of metal particle material on surface flashover performance of alumina-filled epoxy resin spacers in SF6/N2 mixtures under DC voltage. AIP Advances, 2019, 9, .	0.6	13
76	Surface charge behavior and flashover performance on epoxy-based spacers by graded conductivity coatings subjected to DC voltages. Journal Physics D: Applied Physics, 2021, 54, 485502.	1.3	13
77	Surface forward and backward discharges and corresponding residual charge accumulation characteristics under positive impulse. Journal of Applied Physics, 2022, 131, 033302.	1.1	13
78	Surface modification of XLPE films by CF4 DBD for dielectric properties. AIP Advances, 2019, 9, .	0.6	12
79	Intense boundary emission destroys normal radio-frequency plasma sheath. Physical Review E, 2020, 101, 033203.	0.8	12
80	The role of interfacial H-bonding on the electrical properties of UV-cured resin filled with hydroxylated Al2O3 nanoparticles. Nanotechnology, 2020, 31, 275710.	1.3	12
81	Analysis on surface charging of insulator prior to flashover in vacuum. Applied Surface Science, 2004, 230, 12-17.	3.1	11
82	Investigation on Surface Insulation Strength of Machinable Ceramic Material under Pulsed Voltage in Vacuum. Shinku/Journal of the Vacuum Society of Japan, 2007, 50, 332-336.	0.2	11
83	Evolution From Cathode-Initiated to Anode-Initiated Flashover in Vacuum. IEEE Transactions on Plasma Science, 2014, 42, 2576-2577.	0.6	11
84	Transition from glow-like to streamer-like discharge in atmospheric pressure dielectric barrier discharge controlled by variable dielectric surface layer permittivity. Physics of Plasmas, 2019, 26, .	0.7	11
85	Sensitivity Improvement in Cable Faults Location by Using Broadband Impedance Spectroscopy With Dolph-Chebyshev Window. IEEE Transactions on Power Delivery, 2022, 37, 3846-3854.	2.9	11
86	Preflashover and flashover phenomena of siliconâ€“vacuum system under pulsed excitation. Applied Physics Letters, 2002, 80, 3742-3744.	1.5	10
87	On the surface trapping parameters of polytetrafluoroethylene block. Applied Surface Science, 2006, 253, 1995-1998.	3.1	10
88	Study on the Effects of Dielectric Barrier Discharge on the Bunsen Flame Structure With OH-PLIF Technique. IEEE Transactions on Plasma Science, 2014, 42, 2332-2333.	0.6	10
89	Partial discharge detection by extracting UHF signal from inner grading electrode of insulating spacer in GIS. IET Science, Measurement and Technology, 2018, 12, 90-97.	0.9	10
90	Surface discharge propagation in C4F7N/CO2 mixture under positive impulse voltages. Applied Physics Letters, 2022, 120, .	1.5	10

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91	Tree-like breakdown phenomena of dielectric window under X-band high power microwave in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 971-977.	1.8	9
92	Behaviors of Plasma Bullet Propagation and Effects of Gas Flow Rate. IEEE Transactions on Plasma Science, 2011, 39, 2336-2337.	0.6	9
93	Inactivation Effect of Argon Atmospheric Pressure Lowâ€‹scp›T‹/scp›emperature Plasma Jet on Murine Melanoma Cells. Plasma Processes and Polymers, 2013, 10, 808-816.	1.6	9
94	Effect of alumina shapes on dielectric properties of UV-cured epoxy acrylic composite with alumina. Royal Society Open Science, 2019, 6, 181509.	1.1	9
95	Inhibitory effect of nonâ€‹thermal plasma synergistic Tegafur on pancreatic tumor cell line BxPcâ€‹3 proliferation. Plasma Processes and Polymers, 2019, 16, 1800165.	1.6	9
96	Estimation of surface flashover threshold in a vacuum II: flashover phase transition. Journal Physics D: Applied Physics, 2020, 53, 075201.	1.3	9
97	Investigation on the productsÂdistribution, reaction pathway, and discharge mechanism of lowâ€‹pressure CO‹sub›2‹/sub› discharge by employing a 1D simulation model. Plasma Processes and Polymers, 2021, 18, 2000228.	1.6	9
98	Experimental study on pulse characteristics of negative corona discharge in SF6/N2 gas mixtures under DC voltages. AIP Advances, 2020, 10, .	0.6	9
99	Study on surface electrical performance of machinable ceramics for high voltage electro-vacuum insulation. Journal of Electroceramics, 2014, 33, 111-116.	0.8	8
100	Numerical simulation of discharge mode conversion with multiple current pulse (MCP) in atmospheric pressure He/N2 dielectric barrier discharge. Physics of Plasmas, 2019, 26, 123506.	0.7	8
101	Lowâ€‹temperature plasmaâ€‹activated medium inhibited invasion and metastasis of melanoma cells via suppressing the Wnt/Î²â€‹catenin pathway. Plasma Processes and Polymers, 2020, 17, 1900060.	1.6	8
102	Effect of trace SF6 on negative corona characteristics in SF6/N2 gas mixtures under DC voltages. AIP Advances, 2020, 10, .	0.6	8
103	Suppressor of Ty 16 promotes lung cancer malignancy and is negatively regulated by miRâ€‹1227â€‹5p. Cancer Science, 2020, 111, 4075-4087.	1.7	8
104	The pulsed mode of negative DC corona in nitrogen at atmosphere pressure: Comparison with Trichel pulses in air. Physics of Plasmas, 2020, 27, .	0.7	8
105	Optical investigation of ac preflashover of alumina ceramic in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2004, 11, 298-305.	1.8	7
106	Observation of Surface Discharge in Nitrogen Based on Pockels Effect. IEEE Transactions on Plasma Science, 2011, 39, 2150-2151.	0.6	7
107	Surface flashover performance of ion-exchanged machinable glass ceramics material in vacuum. Materials Letters, 2012, 77, 71-73.	1.3	7
108	Optimization of Antenna Array Deployment for Partial Discharge Localization in Substations by Hybrid Particle Swarm Optimization and Genetic Algorithm Method. Energies, 2018, 11, 1813.	1.6	7

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109	Low-Temperature Atmospheric Pressure Helium Plasma Jet Damages Malignant Melanoma Cells by Inducing Oxidative Stress. IEEE Transactions on Plasma Science, 2018, 46, 2805-2813.	0.6	7
110	Primary and secondary discharges in an atmospheric pressure plasma jet fed with helium and tetrafluoromethane mixtures. Physics of Plasmas, 2019, 26, .	0.7	7
111	Characteristics of Plasma Activated Medium Produced by Atmospheric Pressure Helium Plasma Jet and Its Selective Effect on Malignant Melanoma and Normal Fibroblast Cells. IEEE Transactions on Plasma Science, 2020, 48, 587-595.	0.6	7
112	Unveiling the role of dielectric trap states on capacitively coupled radio-frequency plasma discharge: dynamic charging behaviors. Plasma Sources Science and Technology, 2021, 30, 055007.	1.3	7
113	Characteristics of a kHz helium atmospheric pressure plasma jet interacting with two kinds of targets. Plasma Science and Technology, 2021, 23, 095401.	0.7	7
114	Mode transition in 1D He plasma jet arrays dominated by hydrodynamic interaction. Plasma Sources Science and Technology, 2021, 30, 105004.	1.3	7
115	Effect of transverse airflow on the deflection of negative corona discharge on the Trichel pulse mode at atmospheric pressure. AIP Advances, 2021, 11, .	0.6	7
116	An Efficient Cross-Terms Suppression Method in Timeâ€“Frequency Domain Reflectometry for Cable Defect Localization. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	7
117	Optical observation of preflashover phenomena from polytetrafluoroethylene in a planar concentric structure. Journal of Applied Physics, 2003, 93, 6405-6407.	1.1	6
118	Space Charge Measurement and Electroluminescence of Aged LDPE. , 2007, , .		6
119	Two-dimensional residual charge density distribution measurement of surface leader. Journal of Electrostatics, 2013, 71, 739-745.	1.0	6
120	Effects of Atmospheric DBCD Plasma on Three Kinds of Typical Microorganisms. IEEE Transactions on Plasma Science, 2013, 41, 1703-1708.	0.6	6
121	Surface electrostatic discharge of charged typical space materials induced by strong electromagnetic interference. Journal Physics D: Applied Physics, 2021, 54, 275002.	1.3	6
122	A Novel Method for Identifying Cable Defect and Improving Location Accuracy Based on Frequency Domain Reflectometry. , 2021, , .		6
123	Effect of Gas-Mixture Ratio on the Characteristics of Positive DC Corona Discharge in SF₆/N₂ Gas Mixtures. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 829-837.	1.8	6
124	Polyimideâ€Based Flexible Plasma Sheet and Surface Ionization Waves Propagation. Advanced Electronic Materials, 2021, 7, 2100369.	2.6	6
125	3D particleâ€in†cell simulation of positive streamer initiation in highly pressurized gaseous, liquid and supercritical CO ₂ with field ionization. High Voltage, 2021, 6, 16-24.	2.7	6
126	Research progress on insulation condition estimation for oil-immersed power transformer. , 2008, , .		5

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127	Investigation of grooved surface suppressing multipactor across HPM dielectric window. , 2014, , .		5
128	Optimisation of antenna array allocation for partial discharge localisation in airâ€insulated substation. IET Science, Measurement and Technology, 2017, 11, 967-975.	0.9	5
129	Arrival time estimation methodology for partial discharge acoustic signals in power transformers based on a double-threshold technique. Measurement Science and Technology, 2019, 30, 025001.	1.4	5
130	Surface streamer patterns induced by a strong vertical electric field under impulse voltages. Journal Physics D: Applied Physics, 2021, 54, 46LT01.	1.3	5
131	Metal-wire-embedded alumina insulating material using micro- and nanoscale 3D printing for surface flashover mitigation in a vacuum. Journal Physics D: Applied Physics, 2022, 55, 175201.	1.3	5
132	Dielectric Properties and 3D-Printing Feasibility of UV-Curable Resin/Micron Ceramic Filler Composites. Advances in Polymer Technology, 2022, 2022, 1-14.	0.8	5
133	Numerical Study on the Effect of Electric Field Non-uniformity on the Pulse Characteristics of Positive Corona Discharge in SF₆/N₂ Gas Mixtures. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1949-1956.	1.8	5
134	On the electron sheath theory and its applications in plasmaâ€“surface interactions. Plasma Science and Technology, 2022, 24, 095401.	0.7	5
135	Electroluminescence and Surface Trap Distribution in Polymeric Insulation. , 2007, , .		4
136	Non-Thermal Equilibrium Atmospheric Pressure Glow-Like Discharge Plasma Jet. Plasma Science and Technology, 2016, 18, 17-22.	0.7	4
137	Helium low temperature plasma induced HepG2 cells autophagy through ROS-mediated PI3K/AKT/mTOR/P70s6k signaling pathway. AIP Advances, 2019, 9, .	0.6	4
138	Three-dimensional fluid simulations of the Cs plasma release in the ionosphere. AIP Advances, 2019, 9, 015117.	0.6	4
139	Review on ionization and quenching mechanisms of Trichel pulse*. Chinese Physics B, 2021, 30, 055207.	0.7	4
140	Self-diagnosis and High-flashover-strength Electroluminescence Coatings. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, , 1-1.	1.8	4
141	Multiscale Study of the Charge Transport Properties of Silicone Rubber Oligomers. Journal of Physical Chemistry A, 2022, 126, 1369-1377.	1.1	4
142	On the Ohmic-dominant heating mode of capacitively coupled plasma inverted by boundary electron emission. Applied Physics Letters, 2022, 121, .	1.5	4
143	Primary adenomyoepithelioma of tonsil. Head & Neck Oncology, 2010, 2, 7.	2.3	3
144	On-line and on-site PD monitoring and diagnosis of power transformer. , 2012, , .		3

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145	Interleukin-18 â^'137 G/C and â^'607 C/A polymorphisms and Alzheimerâ€™s disease risk: a meta-analysis. Neurological Sciences, 2016, 37, 921-927.	0.9	3
146	Validation of Molecular Typing for Endometrial Screening Test That Predicts Benign and Malignant Lesions. Frontiers in Oncology, 2019, 9, 561.	1.3	3
147	Ageing condition assessment of oilâ€paper insulation using near infrared spectroscopy detection and analytical technique. Journal of Engineering, 2019, 2019, 3026-3029.	0.6	3
148	A method to numerically determine the secondary electron yield considering effects of the surface morphology. Journal of Applied Physics, 2021, 130, .	1.1	3
149	Energization Transient Suppression of 750 kV AC Filters Using a Preinsertion Resistor Circuit Breaker With a Controlled Switching Device. IEEE Transactions on Power Delivery, 2022, 37, 3381-3390.	2.9	3
150	Surface modification of silicone rubber by CF₄ radio frequency capacitively coupled plasma for improvement of flashover. Plasma Science and Technology, 2022, 24, 025501.	0.7	3
151	Wavelet transform applying in partial discharge measurement. , 0, , .		2
152	Analysis of insulator surface charging due to charge injection and secondary electron emission in vacuum. , 0, , .		2
153	Surface discharge phenomena of silicon in atmospheric air. , 0, , .		2
154	Online multisensor monitoring system for insulation condition of oil-immersed power transformer. , 0, , .		2
155	Surface modification of insulating polymers by using APGD and DBD in air. , 2005, , .		2
156	Pulsed flashover developing across alumina ceramic in vacuum. , 2008, , .		2
157	Dynamic Evolution of Helium Atmospheric Pressure Plasma Jet With ITO-PET Electrodes. IEEE Transactions on Plasma Science, 2014, 42, 2442-2443.	0.6	2
158	Inactivation Effect of Surface Microdischarge Plasma on <italic>Bacillus cereus</italic>. IEEE Transactions on Plasma Science, 2014, 42, 2042-2048.	0.6	2
159	Effect of Aluminum Nitride on Discharge Mode Transition in Atmospheric Pressure He/O₂ DBD. IEEE Transactions on Plasma Science, 2018, 46, 888-894.	0.6	2
160	On-site Detecting Method for the Loss Characteristic in 110kV Power Transformer. , 2018, , .		2
161	3D Particle-in-Cell Simulation of Positive Needle-to-Plane Streamer Discharge in SF6 with Field Ionization. , 2019, , .		2
162	On the pulsedâ€“pulseless mode transition of negative DC corona in atmospheric nitrogen. Physics of Plasmas, 2021, 28, 063505.	0.7	2

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163	Aging Evaluation of 10kV overhead Cables Based on Frequency Domain Spectroscopy. , 2020, , .		2
164	Polarization-depolarization Current Method for XLPE Cable Insulation Diagnosis. , 2020, , .		2
165	Algorithm for fast calculating the energization overvoltages along a power cable based on modal theory and numerical inverse Laplace transform. Electric Power Systems Research, 2022, 210, 108163.	2.1	2
166	Investigation on pulsed surface discharge phenomena of silicon in atmosphere. , 0, , .		1
167	Surface microcosmic phenomena induced by pulsed flashovers. , 2005, , .		1
168	Influences of preparation technology on the flashover characteristics of machinable ceramics in vacuum. , 2008, , .		1
169	The energy distribution of traps in polymers based on isothermal surface potential decay measurement. , 2012, , .		1
170	Surface trapping parameters of solid dielectrics: Novel measurement method and insulation condition characterization. , 2012, , .		1
171	Inside Cover Picture: Plasma Process. Polym. 11/2019. Plasma Processes and Polymers, 2019, 16, 1970024.	1.6	1
172	Research Advances and Application Prospect of Low-Temperature Plasma in Tumor Immunotherapy. Applied Sciences (Switzerland), 2021, 11, 9618.	1.3	1
173	Preparation of barium titanate nanowires via electrospinning and the performance in stereolithographic 3D printing nanocomposites. , 2020, , .		1
174	Effect of Salt Fog and Humidity on Corona Aging Performance of HTV Silicone Rubber Insulating Material. , 2020, , .		1
175	Phase resolved analysis of PD measurements for typical discharge models of oil-immersed insulation. , 0, , .		0
176	Charge behaviors at surface and interface under ac electric field. , 0, , .		0
177	Derivation of simulative fault data from normal operating data for on-line monitoring and diagnostic system. , 0, , .		0
178	Optical monitoring of contamination on high-voltage device. , 2005, , .		0
179	Surface and interface physical phenomena induced by flashover across solid dielectrics in vacuum. , 2008, , .		0
180	Investigation on novel parameter characterizing surface flashover phenomena in vacuum. , 2008, , .		0

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181	Monte Carlo based simulation on surface charging phenomena of insulators prior to flashover in vacuum. , 2010, , .		0
182	Experimental study of dielectric window breakdown suppression technology under HPM in vacuum. , 2010, , .		0
183	Effect of surface ion exchange of machinable ceramic on its flashover characteristics in vacuum. , 2010, , .		0
184	Investigation on developing process of impulse flashover across alumina ceramic with asymmetric electrodes in vacuum. , 2012, , .		0
185	Streamer physics in transformer oil stressed by pulse voltage. , 2013, , .		0
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