

Guan-Jun Zhang

List of Publications by Year in descending order

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206
papers

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citations

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59
g-index

209
all docs

209
docs citations

209
times ranked

5359
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of interface tailoring techniques and applications to improve insulation performance. High Voltage, 2022, 7, 12-31.	2.7	31
2	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
3	Surface modification of silicone rubber by CF ₄ radio frequency capacitively coupled plasma for improvement of flashover. Plasma Science and Technology, 2022, 24, 025501.	0.7	3
4	Mechanism on improved surface flashover performances in vacuum of epoxy resin using fluorocarbon plasma treatment. High Voltage, 2022, 7, 420-428.	2.7	20
5	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
6	Surface forward and backward discharges and corresponding residual charge accumulation characteristics under positive impulse. Journal of Applied Physics, 2022, 131, 033302.	1.1	13
7	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
8	Surface discharge propagation in C4F7N/CO2 mixture under positive impulse voltages. Applied Physics Letters, 2022, 120, .	1.5	10
9	Self-diagnosis and High-flashover-strength Electroluminescence Coatings. IEEE Transactions on Dielectrics and Electrical Insulation, 2022, , 1-1.	1.8	4
10	Multiscale Study of the Charge Transport Properties of Silicone Rubber Oligomers. Journal of Physical Chemistry A, 2022, 126, 1369-1377.	1.1	4
11	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
12	Ultralow secondary electron emission and improved vacuum surface insulation of polyimide with scalable nanocomposite coating. Applied Surface Science, 2022, 592, 153221.	3.1	18
13	An Efficient Cross-Terms Suppression Method in Time-Frequency Domain Reflectometry for Cable Defect Localization. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	7
14	On the electron sheath theory and its applications in plasma-surface interactions. Plasma Science and Technology, 2022, 24, 095401.	0.7	5
15	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
16	On the Ohmic-dominant heating mode of capacitively coupled plasma inverted by boundary electron emission. Applied Physics Letters, 2022, 121, .	1.5	4
17	Superhydrophobic and high-flashover-strength coating for HVDC insulating system. Chemical Engineering Journal, 2021, 404, 126476.	6.6	47
18	Review of surface transient charge measurement on solid insulating materials via the Pockels technique. High Voltage, 2021, 6, 608-624.	2.7	16

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19	Multi-effects of atmospheric He/CF ₄ plasma jet treatment on the surface properties of epoxy resin. Applied Surface Science, 2021, 544, 148956.	3.1	27
20	Investigation on the products distribution, reaction pathway, and discharge mechanism of low-pressure CO ₂ discharge by employing a 1D simulation model. Plasma Processes and Polymers, 2021, 18, 2000228.	1.6	9
21	Two methods of simulating corona current pulses in SF ₆ under negative DC voltage. , 2021, , .		0
22	Surface electrostatic discharge of charged typical space materials induced by strong electromagnetic interference. Journal Physics D: Applied Physics, 2021, 54, 275002.	1.3	6
23	A Novel Method for Identifying Cable Defect and Improving Location Accuracy Based on Frequency Domain Reflectometry. , 2021, , .		6
24	Review on ionization and quenching mechanisms of Trichel pulse*. Chinese Physics B, 2021, 30, 055207.	0.7	4
25	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
26	Effect of Gas-Mixture Ratio on the Characteristics of Positive DC Corona Discharge in SF ₆ /N ₂ Gas Mixtures. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 829-837.	1.8	6
27	On the pulsed pulseless mode transition of negative DC corona in atmospheric nitrogen. Physics of Plasmas, 2021, 28, 063505.	0.7	2
28	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
29	Vacuum DC flashover performance improvement by CF ₄ radio frequency capacitively coupled plasma. , 2021, , .		0
30	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
31	Polyimide-Based Flexible Plasma Sheet and Surface Ionization Waves Propagation. Advanced Electronic Materials, 2021, 7, 2100369.	2.6	6
32	A method to numerically determine the secondary electron yield considering effects of the surface morphology. Journal of Applied Physics, 2021, 130, .	1.1	3
33	Mode transition in 1D He plasma jet arrays dominated by hydrodynamic interaction. Plasma Sources Science and Technology, 2021, 30, 105004.	1.3	7
34	Surface streamer patterns induced by a strong vertical electric field under impulse voltages. Journal Physics D: Applied Physics, 2021, 54, 46LT01.	1.3	5
35	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
36	3D particle-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

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37	Effects and Mechanism of Plasma-Activated Medium on Angiogenesis of Vascular Endothelial Cells. Applied Sciences (Switzerland), 2021, 11, 9603.	1.3	0
38	Research Advances and Application Prospect of Low-Temperature Plasma in Tumor Immunotherapy. Applied Sciences (Switzerland), 2021, 11, 9618.	1.3	1
39	Promising Functional Graded Materials for Compact Gaseous Insulated Pipelines. , 2021, , 525-547.		0
40	The effect of metal wires on vacuum flashover. , 2021, , .		0
41	Numerical Study on the Effect of Electric Field Non-uniformity on the Pulse Characteristics of Positive Corona Discharge in SF ₆ /N ₂ Gas Mixtures. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1949-1956.	1.8	5
42	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
43	Regulation of Surface Trap Distribution on Silicone Rubber by Radio Frequency Fluorocarbon Plasma. , 2021, , .		0
44	Recycling experimental investigation on end of life photovoltaic panels by application of high voltage fragmentation. Waste Management, 2020, 101, 180-187.	3.7	57
45	Estimation of surface flashover threshold in a vacuum II: flashover phase transition. Journal Physics D: Applied Physics, 2020, 53, 075201.	1.3	9
46	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
47	Unraveling the role of surface molecular structure on vacuum flashover for fluorinated copolymers. Applied Surface Science, 2020, 505, 144432.	3.1	19
48	Low-temperature plasma-activated medium inhibited invasion and metastasis of melanoma cells via suppressing the Wnt/β-catenin pathway. Plasma Processes and Polymers, 2020, 17, 1900060.	1.6	8
49	Effect of trace SF ₆ on negative corona characteristics in SF ₆ /N ₂ gas mixtures under DC voltages. AIP Advances, 2020, 10, .	0.6	8
50	Suppressor of Ty 16 promotes lung cancer malignancy and is negatively regulated by miR-1227-5p. Cancer Science, 2020, 111, 4075-4087.	1.7	8
51	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
52	A computational study of positive streamers interacting with dielectrics. Plasma Sources Science and Technology, 2020, 29, 065004.	1.3	35
53	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
54	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

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55	The pulsed mode of negative DC corona in nitrogen at atmosphere pressure: Comparison with Trichel pulses in air. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	8
56	Intense boundary emission destroys normal radio-frequency plasma sheath. <i>Physical Review E</i> , 2020, 101, 033203.	0.8	12
57	The role of interfacial H-bonding on the electrical properties of UV-cured resin filled with hydroxylated Al ₂ O ₃ nanoparticles. <i>Nanotechnology</i> , 2020, 31, 275710.	1.3	12
58	A novel sight for understanding surface charging phenomena on downsized HVDC GIL spacers with non-uniform conductivity. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 120, 105979.	3.3	26
59	UV-cured nanocomposite coating for surface charging mitigation and breakdown strength enhancement: exploring the combination of surface topographical structure and perfluorooctyl chain. <i>RSC Advances</i> , 2020, 10, 16422-16430.	1.7	21
60	Surface charge transport behavior and flashover mechanism on alumina/epoxy spacers coated by SiC/epoxy composites with varied SiC particle size. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 155503.	1.3	46
61	Progress in degradation of volatile organic compounds based on low-temperature plasma technology. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900131.	1.6	34
62	Characteristics of Plasma Activated Medium Produced by Atmospheric Pressure Helium Plasma Jet and Its Selective Effect on Malignant Melanoma and Normal Fibroblast Cells. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 587-595.	0.6	7
63	Modelling vacuum flashover mitigation with complex surface microstructure: mechanism and application. <i>High Voltage</i> , 2020, 5, 110-121.	2.7	18
64	Experimental study on pulse characteristics of negative corona discharge in SF ₆ /N ₂ gas mixtures under DC voltages. <i>AIP Advances</i> , 2020, 10, .	0.6	9
65	Enhancing flashover performance of alumina/epoxy spacers by adaptive surface charge regulation using graded conductivity coating. <i>Nanotechnology</i> , 2020, 31, 364002.	1.3	30
66	Promotion of Epoxy Resin Surface Electrical Insulation Performance and Its Stability by Atmospheric Fluorocarbon Dielectric Barrier Discharge. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020, 27, 1973-1981.	1.8	15
67	Effect of Epoxy Resin Spacers on Corona Characteristics in SF ₆ /N ₂ Mixtures under Positive DC Voltages. , 2020, , .		0
68	The Influence of Surface UV-Coating on Electric Field Distribution and Flashover Voltage of Epoxy/Alumina Spacers. , 2020, , .		0
69	The mechanisms of surface charging on downsized HVDC GIL spacers coated with non-uniform conductivity. , 2020, , .		0
70	Understanding surface charging phenomena on alumina/epoxy spacers with surface conductivity gradient coating. , 2020, , .		0
71	Enhancement in Electrical Properties of UV-cured Resin by Establishing H-bonding Between Al ₂ O ₃ Nanoparticles and Acrylate Molecular Chain. , 2020, , .		0
72	Effects of Temperature on Surface Charge Behavior of SiC-filled Epoxy Resin under DC Voltage. , 2020, , .		0

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73	Preparation of barium titanate nanowires via electrospinning and the performance in stereolithographic 3D printing nanocomposites. , 2020, , .		1
74	Effect of Salt Fog and Humidity on Corona Aging Performance of HTV Silicone Rubber Insulating Material. , 2020, , .		1
75	Aging Evaluation of 10kV overhead Cables Based on Frequency Domain Spectroscopy. , 2020, , .		2
76	Polarization-depolarization Current Method for XLPE Cable Insulation Diagnosis. , 2020, , .		2
77	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
78	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
79	First-principle investigation of the charge injection barriers of polyethylene and polytetrafluoroethylene oligomers. Journal of Applied Physics, 2019, 126, .	1.1	16
80	Validation of Molecular Typing for Endometrial Screening Test That Predicts Benign and Malignant Lesions. Frontiers in Oncology, 2019, 9, 561.	1.3	3
81	On the role of secondary electron emission in capacitively coupled radio-frequency plasma sheath: A theoretical ground. Plasma Processes and Polymers, 2019, 16, 1900093.	1.6	16
82	Ageing condition assessment of oil-paper insulation using near infrared spectroscopy detection and analytical technique. Journal of Engineering, 2019, 2019, 3026-3029.	0.6	3
83	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
84	Helium low temperature plasma induced HepG2 cells autophagy through ROS-mediated PI3K/AKT/mTOR/P70s6k signaling pathway. AIP Advances, 2019, 9, .	0.6	4
85	Primary and secondary discharges in an atmospheric pressure plasma jet fed with helium and tetrafluoromethane mixtures. Physics of Plasmas, 2019, 26, .	0.7	7
86	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
87	Mechanism of $F_{2/N_{2}}$ fluorination mitigating vacuum flashover of polymers. Journal Physics D: Applied Physics, 2019, 52, 375304.	1.3	33
88	Low-temperature plasma induced melanoma apoptosis by triggering a p53/PIGs/caspase-dependent pathway in vivo and in vitro. Journal Physics D: Applied Physics, 2019, 52, 315204.	1.3	28
89	An Efficacious Endometrial Sampler for Screening Endometrial Cancer. Frontiers in Oncology, 2019, 9, 67.	1.3	17
90	Three-dimensional fluid simulations of the Cs plasma release in the ionosphere. AIP Advances, 2019, 9, 015117.	0.6	4

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91	Integrated modeling of plasma-dielectric interaction: kinetic boundary effects. Plasma Sources Science and Technology, 2019, 28, 055001.	1.3	16
92	Enhancing electrical strength of acrylate polymer by using fluorinated monomer as surface modifier. Materials Letters, 2019, 249, 17-20.	1.3	18
93	Mechanism of vacuum flashover on surface roughness. Journal Physics D: Applied Physics, 2019, 52, 215301.	1.3	33
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	Effects of surface nonlinear conductive coatings on surface charge behavior of alumina-filled epoxy resin spacers. , 2019, , .		0
96	Influence of Flashover Initiation Process on Surface Insulation Performance for Insulators under Impulse Voltage in Vacuum. , 2019, , .		0
97	Influence of Metal Particle Contamination on Surface Charging and Flashover Characteristics of PTFE Insulator under Impulse Voltage in Vacuum. , 2019, , .		0
98	Experimental Study on Corona Discharge Characteristics of SF6/N2 Gas Mixture in Needle-plane Model. , 2019, , .		0
99	3D Particle-in-Cell Simulation of Positive Needle-to-Plane Streamer Discharge in SF6 with Field Ionization. , 2019, , .		2
100	Inside Cover Picture: Plasma Process. Polym. 11/2019. Plasma Processes and Polymers, 2019, 16, 1970024.	1.6	1
101	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
102	Discrimination of three or more partial discharge sources by multi-step clustering of cumulative energy features. IET Science, Measurement and Technology, 2019, 13, 149-159.	0.9	16
103	Surface modification of XLPE films by CF4 DBD for dielectric properties. AIP Advances, 2019, 9, .	0.6	12
104	Inhibitory effect of non-thermal plasma synergistic Tegafur on pancreatic tumor cell line BxPc proliferation. Plasma Processes and Polymers, 2019, 16, 1800165.	1.6	9
105	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
106	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
107	Effect of Aluminum Nitride on Discharge Mode Transition in Atmospheric Pressure He/O ₂ DBD. IEEE Transactions on Plasma Science, 2018, 46, 888-894.	0.6	2
108	Low-temperature Plasma Promotes Fibroblast Proliferation in Wound Healing by ROS-activated NF- κ B Signaling Pathway. Current Medical Science, 2018, 38, 107-114.	0.7	31

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109	Simulation Research on the Influence of Metal Granule on Vacuum Flashover in Pre-Breakdown Stage. , 2018, , .		0
110	On-site Detecting Method for the Loss Characteristic in 110kV Power Transformer. , 2018, , .		2
111	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
112	Pulsed flashover across a solid dielectric in vacuum. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2321-2339.	1.8	53
113	Measurement of Surface Potential Distribution of Fluorinated Polyimide Film. , 2018, , .		0
114	Flashover strength improvement and multipactor suppression in vacuum using surface charge pre-conditioning on insulator. Journal of Applied Physics, 2018, 124, .	1.1	22
115	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
116	Plasma •with hollow structure: formation and evolution. Scientific Reports, 2018, 8, 7599.	1.6	16
117	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
118	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
119	Surface charge distribution patterns of a truncated cone•type spacer for high•voltage direct current gas•insulated metal•enclosed transmission line/gas•insulated metal•enclosed switchgear. IET Science, Measurement and Technology, 2018, 12, 436-442.	0.9	25
120	Investigation of multipactor-induced surface plasma discharge and temporal mode transition. Applied Physics Letters, 2018, 113, 011603.	1.5	19
121	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
122	Electrical and spectral characterization of an atmospheric pressure He/CF4 plasma jet. Physics of Plasmas, 2018, 25, .	0.7	16
123	Estimation of surface flashover threshold in vacuum: from multipactor to discharge plasma. Journal Physics D: Applied Physics, 2018, 51, 295201.	1.3	33
124	Simulation on the dynamic charge behavior of vacuum flashover developing across insulator involving outgassing. Physics of Plasmas, 2018, 25, .	0.7	30
125	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
126	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

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127	Low temperature plasma promoting fibroblast proliferation by activating the NF- κ B pathway and increasing cyclinD1 expression. Scientific Reports, 2017, 7, 11698.	1.6	48
128	Effects of atmospheric pressure plasma jet with floating electrode on murine melanoma and fibroblast cells. Physics of Plasmas, 2017, 24, .	0.7	16
129	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
130	Optimisation of antenna array allocation for partial discharge localisation in air-insulated substation. IET Science, Measurement and Technology, 2017, 11, 967-975.	0.9	5
131	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
132	Oxidative Stress Of Melanoma Cancer Cells Induced By Atmospheric Pressure Cold Plasma. , 2017, , .		0
133	Flashover Characteristics Of Epoxy Resin With He/CF ₄ Atmospheric Pressure Plasma Jet Treatment. , 2017, , .		0
134	Luminescence evolution from alumina ceramic surface before flashover under direct and alternating current voltage in vacuum. AIP Advances, 2016, 6, .	0.6	14
135	Classification and separation of partial discharge ultra-high-frequency signals in a 252kV gas insulated substation by using cumulative energy technique. IET Science, Measurement and Technology, 2016, 10, 316-326.	0.9	20
136	Experimental Research on Mode Transitions of Atmospheric Pressure Helium Dielectric Barrier Discharge. IEEE Transactions on Plasma Science, 2016, 44, 2576-2588.	0.6	16
137	Non-Thermal Equilibrium Atmospheric Pressure Glow-Like Discharge Plasma Jet. Plasma Science and Technology, 2016, 18, 17-22.	0.7	4
138	Interleukin-18 γ 137 G/C and γ 607 C/A polymorphisms and Alzheimer's disease risk: a meta-analysis. Neurological Sciences, 2016, 37, 921-927.	0.9	3
139	Dual effects of atmospheric pressure plasma jet on skin wound healing of mice. Wound Repair and Regeneration, 2015, 23, 878-884.	1.5	94
140	Numerical optimization and 3D-printing fabrication concept of high voltage FGM insulator. , 2015, , .		14
141	Investigation of grooved surface suppressing multipactor across HPM dielectric window. , 2014, , .		5
142	Study on the Property Evolution of Atmospheric Pressure Plasma Jets in Helium. Plasma Science and Technology, 2014, 16, 83-88.	0.7	14
143	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
144	Evolution From Cathode-Initiated to Anode-Initiated Flashover in Vacuum. IEEE Transactions on Plasma Science, 2014, 42, 2576-2577.	0.6	11

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145	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
146	Dynamic Evolution of Helium Atmospheric Pressure Plasma Jet With ITO-PET Electrodes. IEEE Transactions on Plasma Science, 2014, 42, 2442-2443.	0.6	2
147	Inactivation Effect of Surface Microdischarge Plasma on <i>Bacillus cereus</i> . IEEE Transactions on Plasma Science, 2014, 42, 2042-2048.	0.6	2
148	Study on surface electrical performance of machinable ceramics for high voltage electro-vacuum insulation. Journal of Electroceramics, 2014, 33, 111-116.	0.8	8
149	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
150	Two-dimensional residual charge density distribution measurement of surface leader. Journal of Electrostatics, 2013, 71, 739-745.	1.0	6
151	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
152	Inactivation Effect of Argon Atmospheric Pressure Low-temperature Plasma Jet on Murine Melanoma Cells. Plasma Processes and Polymers, 2013, 10, 808-816.	1.6	9
153	Streamer physics in transformer oil stressed by pulse voltage. , 2013, , .		0
154	Experimental investigation on the Ar/NH ₃ , He/N ₂ plasma jet. , 2013, , .		0
155	Effects of Atmospheric DBCD Plasma on Three Kinds of Typical Microorganisms. IEEE Transactions on Plasma Science, 2013, 41, 1703-1708.	0.6	6
156	Measurements of Secondary Electron Emission From Dielectric Window Materials. IEEE Transactions on Plasma Science, 2013, 41, 2117-2122.	0.6	21
157	Identification of electron and hole trap based on isothermal surface potential decay model. Journal of Applied Physics, 2013, 113, .	1.1	132
158	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
159	Investigation on developing process of impulse flashover across alumina ceramic with asymmetric electrodes in vacuum. , 2012, , .		0
160	Cathode-like luminescence from vacuum-dielectric interface induced by self-stabilizing secondary electron emission. Applied Physics Letters, 2012, 101, 041604.	1.5	15
161	On-line and on-site PD monitoring and diagnosis of power transformer. , 2012, , .		3
162	Residual charge density distribution measurement of surface leader with feedback electrostatic probe. Applied Physics Letters, 2012, 100, .	1.5	29

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163	The energy distribution of traps in polymers based on isothermal surface potential decay measurement. , 2012, , .		1
164	Comparative study on the atmospheric pressure plasma jets of helium and argon. Applied Physics Letters, 2012, 101, .	1.5	59
165	Surface trapping parameters of solid dielectrics: Novel measurement method and insulation condition characterization. , 2012, , .		1
166	Effect of Low-Temperature Plasma on Deactivation of Hepatitis B Virus. IEEE Transactions on Plasma Science, 2012, 40, 2711-2716.	0.6	23
167	Surface flashover performance of ion-exchanged machinable glass ceramics material in vacuum. Materials Letters, 2012, 77, 71-73.	1.3	7
168	Observation of Surface Discharge in Nitrogen Based on Pockels Effect. IEEE Transactions on Plasma Science, 2011, 39, 2150-2151.	0.6	7
169	Behaviors of Plasma Bullet Propagation and Effects of Gas Flow Rate. IEEE Transactions on Plasma Science, 2011, 39, 2336-2337.	0.6	9
170	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
171	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
172	Investigation on Spurt Length of Atmospheric-Pressure Plasma Jets. IEEE Transactions on Plasma Science, 2011, 39, 2340-2341.	0.6	13
173	Primary adenomyoepithelioma of tonsil. Head & Neck Oncology, 2010, 2, 7.	2.3	3
174	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
175	Monte Carlo based simulation on surface charging phenomena of insulators prior to flashover in vacuum. , 2010, , .		0
176	Experimental study of dielectric window breakdown suppression technology under HPM in vacuum. , 2010, , .		0
177	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
178	Effect of surface ion exchange of machinable ceramic on its flashover characteristics in vacuum. , 2010, , .		0
179	Space charge and electroluminescence characteristics of thermally aged LDPE films. Applied Surface Science, 2008, 255, 2735-2739.	3.1	18
180	Pulsed flashover developing across alumina ceramic in vacuum. , 2008, , .		2

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181	Influences of preparation technology on the flashover characteristics of machinable ceramics in vacuum. , 2008, , .		1
182	Surface and interface physical phenomena induced by flashover across solid dielectrics in vacuum. , 2008, , .		0
183	Research progress on insulation condition estimation for oil-immersed power transformer. , 2008, , .		5
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185	Investigation on novel parameter characterizing surface flashover phenomena in vacuum. , 2008, , .		0
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