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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.

362 papers	3,711 citations	29 h-index	40 g-index
581 ext. papers	5,231 ext. citations	2.2 avg, IF	6.36 L-index

#	Paper	IF	Citations
362	Space charge behaviors of PP/POE/ZnO nanocomposites for HVDC cables. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 3165-3174	2.3	56
361	Dynamic behavior of surface charge on direct- fluorinated polyimide films. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 947-954	2.3	56
360	Effects of TiO2 particles on surface charge of epoxy nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012 , 19, 755-762	2.3	56
359	. <i>IEEE Electrical Insulation Magazine</i> , 2018 , 34, 30-43	2.1	54
358	Trap Modulated Charge Carrier Transport in Polyethylene/Graphene Nanocomposites. <i>Scientific Reports</i> , 2017 , 7, 4015	4.9	53
357	Effects of ambient temperature on surface charge and flashover of heat-shrinkable polymer under polarity reversal voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 1190-1197	2.3	52
356	Temperature dependent surface potential decay and flashover characteristics of epoxy/SiC composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 631-638	2.3	52
355	Surface charge accumulation and decay on directfluorinated polyimide/Al2O3 nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 1764-1771	2.3	52
354	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 664-667	2.3	51
353	Effects of thermal conductivity on dc resistance to erosion of silicone rubber/BN nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 511-518	2.3	51
352	Influence of surface charge on DC flashover characteristics of epoxy/BN nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 529-536	2.3	47
351	Recurrent plot analysis of leakage current for monitoring outdoor insulator performance. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2009 , 16, 139-146	2.3	47
350	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1202-1210	2.3	45
349	Effect of ambient temperature on electrical treeing characteristics in silicone rubber. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011 , 18, 401-407	2.3	44
348	Surface charge and dc flashover characteristics of direct-fluorinated SiR/SiO2 nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 2602-2610	2.3	42
347	Hydrophobicity, surface charge and DC flashover characteristics of direct-fluorinated RTV silicone rubber. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 934-940	2.3	41
346	Nonlinear conductivity and interface charge behaviors between LDPE and EPDM/SiC composite for HVDC cable accessory. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1566-1573	2.3	41

345	Carrier mobility and trap distribution dependent flashover characteristics of epoxy resin. <i>IET Generation, Transmission and Distribution</i> , 2018 , 12, 466-471	2.5	40
344	Recurrent plot analysis of leakage current on flashover performance of rime-iced composite insulator. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2010 , 17, 465-472	2.3	40
343	High thermal conductivity transformer oil filled with BN nanoparticles. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 851-858	2.3	39
342	Field-dependent conductivity and space charge behavior of silicone rubber/SiC composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 3108-3116	2.3	36
341	Surface charge accumulation and decay of direct-fluorinated RTV silicone rubber. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 2338-2342	2.3	36
340	Gamma-ray Irradiation Inhibiting Surface Charge Accumulation on Polyethylene. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2009 , 16, 876-881	2.3	36
339	Suppressing interface charge between LDPE and EPDM for HVDC cable accessory insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1331-1339	2.3	35
338	Tree characteristics in silicone rubber/SiO ₂ nanocomposites under low temperature. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 503-510	2.3	34
337	Surface charge behavior of silicone rubber/SiC composites with field-dependent conductivity. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1340-1348	2.3	34
336	Electrical tree characteristics in silicone rubber under repetitive pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 720-727	2.3	30
335	Thermal conductivity and dielectric characteristics of transformer oil filled with bn and Fe ₃ O ₄ nanoparticles. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 2530-2536	2.3	30
334	Promising functional graded materials for compact gaseous insulated switchgears/pipelines. <i>High Voltage</i> , 2020 , 5, 231-240	4.1	30
333	Effects of thermally conducting particles on resistance to tracking failure of polyimide/BN composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 1565-1572	2.3	29
332	Effect of surface smoothness on tracking mechanism in XLPE-Si-rubber interfaces. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011 , 18, 176-181	2.3	29
331	Frequency Distribution of Leakage Current on Silicone Rubber Insulator in Salt-Fog Environments. <i>IEEE Transactions on Power Delivery</i> , 2009 , 24, 1458-1464	4.3	29
330	Effects of non-linear conductivity on charge trapping and de-trapping behaviours in epoxy/SiC composites under DC stress. <i>IET Science, Measurement and Technology</i> , 2018 , 12, 83-89	1.5	27
329	Trap Distribution and Dielectric Breakdown of Isotactic Polypropylene/Propylene Based Elastomer With Improved Flexibility for DC Cable Insulation. <i>IEEE Access</i> , 2018 , 6, 58645-58661	3.5	27
328	Understanding Trap Effects on Electrical Treeing Phenomena in EPDM/POSS Composites. <i>Scientific Reports</i> , 2018 , 8, 8481	4.9	26

327	Effect of low temperature on tree characteristics in silicone rubber with different power frequency. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 1880-1886	2.3	26
326	Effects of gamma-ray irradiation on dielectric surface breakdown of polybutylene polymers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2007 , 14, 696-701	2.3	26
325	Effect of voltage stabilizers on the space charge behavior of XLPE for HVDC cable application. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 34-42	2.3	25
324	Mechanism of deep trap sites in epoxy/graphene nanocomposite using quantum chemical calculation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 1577-1580	2.3	25
323	Effects of nano-SiO ₂ particles on surface tracking characteristics of silicone rubber composites. <i>Applied Physics Letters</i> , 2014 , 105, 102905	3.4	24
322	Pattern analysis of discharge characteristics for hydrophobicity evaluation of polymer insulator. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011 , 18, 114-121	2.3	24
321	Effects of low pressure on tracking failure of printed circuit boards. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2008 , 15, 1379-1384	2.3	24
320	Effects of thermal conductivity on dielectric breakdown of micro, nano sized BN filled polypropylene composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 2116-2125	2.3	24
319	Mechanical stress distribution and risk assessment of 110kV GIS insulator considering Al ₂ O ₃ settlement. <i>High Voltage</i> , 2019 , 4, 65-71	4.1	23
318	Dielectric and thermal characteristics of vegetable oil filled with BN nanoparticles. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 956-963	2.3	22
317	Electrical tree characteristics of XLPE under repetitive pulse voltage in low temperature. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1801-1808	2.3	22
316	Effects of AC and pulse voltage combination on surface charge accumulation and decay of epoxy resin. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 2368-2376	2.3	22
315	Effect of surface fluorination on space charge behavior in multilayered polyimide films. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 1817-1823	2.3	22
314	Effects of mechanical stretching on space charge behaviors of PP/POE blend for HVDC cables. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1438-1445	2.3	22
313	Electrical tree degradation in high-voltage cable insulation: progress and challenges. <i>High Voltage</i> , 2020 , 5, 353-364	4.1	22
312	Surface charge coupling behavior of fluorinated polyimide film under DC and pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 567-573	2.3	21
311	Effect of concentration on tracking failure of epoxy/TiO ₂ nanocomposites under dc voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012 , 19, 1750-1759	2.3	21
310	Recurrence plot analysis of discharge currents in tracking tests of gamma-ray irradiated polymers. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2008 , 15, 974-981	2.3	21

309	Temperature-dependent nonlinear conductivity and carrier mobility of silicone rubber/SiC composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1080-1087	2.3	20
308	Effects of ambient temperature on electrical tree in epoxy resin under repetitive pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1527-1536	2.3	20
307	Interface charge behavior of multi-layer oil-paper insulation under DC and polarity reversal voltages. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 2628-2638	2.3	20
306	Effects of ZnO magnetron sputtering on surface charge and flashover voltage of oil-impregnated paper. <i>High Voltage</i> , 2019 , 4, 308-315	4.1	20
305	Thermal accumulation and tracking failure process of BN-filler epoxy-matrix composite. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 2270-2276	2.3	19
304	Effects of wind condition on hydrophobicity behavior of silicone rubber in corona discharge environment. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 385-393	2.3	19
303	Effects of crystal morphology on space charge transportation and dissipation of SiC/silicone rubber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 2616-2625	2.3	18
302	Surface Layer Fluorination-Modulated Space Charge Behaviors in HVDC Cable Accessory. <i>Polymers</i> , 2018 , 10,	4.5	18
301	Effects of mechanical stress on treeing growth characteristics in HTV silicone rubber. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1547-1556	2.3	18
300	Effect of nanosecond rise time of pulse voltage on the surface charge of Epoxy/TiO ₂ nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 321-328	2.3	18
299	Electric field regulation and parameter optimization of surface nonlinear conductivity spacer for 500 kV DC-GIL. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 1330-1338	2.3	18
298	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1479-1486	2.3	18
297	Tree initiation characteristics of epoxy resin in Ln ₂ for superconducting magnet insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1793-1800	2.3	17
296	Trap distribution of electron beam irradiated epoxy resin under repetitive pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 3869-3877	2.3	17
295	Compressive stress dependence of electrical tree growth characteristics in EPDM. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 13-20	2.3	17
294	Temperature dependent trap level characteristics of graphene/LDPE nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 137-144	2.3	17
293	Improved ampacity of buried HVDC cable with high thermal conductivity LDPE/BN insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 2667-2676	2.3	17
292	Effect of thermal conductivity on tracking failure of Epoxy/BN composite under pulse strength. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 296-302	2.3	17

291	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 801-809	2.3	16
290	Epoxy insulator with surface graded-permittivity by magnetron sputtering for gas-insulated line. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 197-205	2.3	16
289	Dynamic behavior of surface charge on double-layer oil-paper insulation under pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 2712-2719	2.3	16
288	Pattern identification of surface flashover induced by discrete water droplets on polymer insulator. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 1972-1981	2.3	16
287	Dynamic behavior of surface charge on gamma-ray irradiated polybutylene naphthalate. <i>Polymer Degradation and Stability</i> , 2009 , 94, 139-143	4.7	16
286	BNNS Encapsulated TiO ₂ Nanofillers Endow Polypropylene Cable Insulation with Enhanced Dielectric Performance. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021 , 28, 1238-1246	2.3	16
285	Surface coating affecting charge distribution and flashover voltage of cone-type insulator under DC stress. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 706-713	2.3	15
284	Multistep and Multiscale Electron Trapping for High-Efficiency Modulation of Electrical Degradation in Polymer Dielectrics. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 7045-7053	3.8	15
283	Electrical Tree in HTV Silicone Rubber With Temperature Gradient Under Repetitive Pulse Voltage. <i>IEEE Access</i> , 2019 , 7, 41250-41260	3.5	15
282	Effects of surface fluorination on dielectric properties and surface charge behavior of water absorbed polyimide film. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1369-1375	2.3	15
281	Effect of direct fluorination on surface charge of polyimide films using repetitive pulsed power. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1777-1784	2.3	15
280	Effects of mechanical stretching on electrical treeing characteristics in EPDM. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 84-93	2.3	15
279	Electrified droplet on corona-charged surface of silicone rubber/SiO ₂ nanocomposite. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012 , 19, 2073-2080	2.3	15
278	Compatibility dependent space charge accumulation behavior of polypropylene/elastomer blend for HVDC cable insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 947-955	2.3	14
277	Temperature gradient dependence on electrical tree in epoxy resin with harmonic superimposed DC voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 270-278	2.3	14
276	Effects of high temperature and high electric field on the space charge behavior in epoxy resin for power modules. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 882-890	2.3	14
275	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 1242-1250	2.3	14
274	Surface Potential Decay of Negative Corona Charged Epoxy/Al ₂ O ₃ Nanocomposites Degraded by 7.5-MeV Electron Beam. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 2721-2729	1.3	14

273	Application of nonlinear methods in tracking failure test of printed circuit boards under reduced pressure. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2010 , 17, 548-554	2.3	14
272	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 2405-2412	2.3	14
271	Electrical Tree Initiation and Growth in Silicone Rubber under Combined DC-Pulse Voltage. <i>Energies</i> , 2018 , 11, 764	3.1	14
270	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 818-825	2.3	13
269	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 231-239	2.3	13
268	Temperature-dependent DC conductivity and space charge distribution of XLPE/GO nanocomposites for HVDC cable insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 418-426	2.3	13
267	Effects of Direct Fluorination on Space Charge and Trap Distribution of PI Film in LN ₂ . <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	13
266	Effects of direct fluorination on space charge accumulation in HTV silicone rubber. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 2353-2360	2.3	13
265	Improved DC Conductivity and Space Charge Characteristics of XLPE for HVDC Cable Application: Effect of Voltage Stabilizers. <i>IEEE Access</i> , 2019 , 7, 66576-66583	3.5	13
264	Electrical and mechanical ageing behaviors of used heat-shrinkable insulation tubes. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 1875-1881	2.3	13
263	Characterization of Partial Discharge With Polyimide Film in LN_2 Considering High Temperature Superconducting Cable Insulation. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	13
262	Hydrophobicity evaluation of silicone rubber insulator using PD-induced electromagnetic wave. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012 , 19, 1060-1067	2.3	13
261	Effect of pulse frequency on tree characteristics in epoxy resin under low temperature. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 104-112	2.3	13
260	Surface charge and flashover voltage of EVA/CB nanocomposite under mechanical stresses. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 3734-3741	2.3	13
259	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 2102-2109	2.3	13
258	Temperature-dependent surface charge behavior of polypropylene film under DC and pulse voltages. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 774-783	2.3	12
257	Novel insulator with interfacial FGM for DC compact gaseous insulated pipeline. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 818-825	2.3	12
256	Dielectric relaxation and trap-modulated DC breakdown of polypropylene blend insulation. <i>Polymer</i> , 2019 , 185, 121935	3.9	12

255	Wavelet Analysis of Scintillation Discharge Current on DC Tracking Resistance of Gamma-ray Irradiated Polyethylene and Polycarbonate. <i>Radioisotopes</i> , 2001 , 50, 1-11	0.1	12
254	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 1956-1964	2.3	12
253	Surface Charge Transport Characteristics of ZnO/Silicone Rubber Composites Under Impulse Superimposed on DC Voltage. <i>IEEE Access</i> , 2019 , 7, 3008-3017	3.5	12
252	Surface FGM Insulator Based on BaTiO ₃ Magnetron Sputtering for Electric Field Grading of AC Gas Insulated Power Apparatus. <i>IEEE Access</i> , 2019 , 7, 62681-62688	3.5	11
251	Electrical treeing initiation and breakdown phenomenon in polypropylene under DC and pulse combined voltages. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 202-210	2.3	11
250	Effects of DC and pulse voltage combination on surface charge dynamic behaviors of epoxy resin. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 2025-2033	2.3	11
249	Temperature-dependent electrical tree in silicone rubber under repetitive pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 2291-2298	2.3	11
248	Surface charge and flashover characteristics of fluorinated PP under pulse voltage. <i>IET Science, Measurement and Technology</i> , 2017 , 11, 18-24	1.5	11
247	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 2958-2967	2.3	11
246	Effect of direct fluorination on surface partial discharge characteristics of polyimide films. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 1887-1894	2.3	11
245	Investigation of charge transport and breakdown properties in XLPE/GO nanocomposites part 1: The role of functionalized GO quantum wells. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 1204-1212	2.3	11
244	Effects of direct fluorination on charge coupling behavior of oil-paper insulation under DC and pulse voltages. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 947-955	2.3	10
243	Investigation on shed icicle characteristics and induced surface discharges along a suspension insulator string during ice accretion. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 1265-1269	2.5	10
242	Magnetic field induced variation in surface charge accumulation behavior on epoxy/Al ₂ O ₃ nanocomposites under DC stress. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019 , 26, 859-867	2.3	10
241	Effects of magnetic field on electrical tree growth in silicone rubber under repetitive pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1785-1792	2.3	10
240	Effect of low temperature on electrical treeing of polypropylene with repetitive pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 1915-1923	2.3	10
239	Thermal conductivity and arcing resistance of micro or hybrid BN filled polyethylene under pulse strength. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 3061-3070	2.3	10
238	Temperature dependent surface charge and discharge behavior of epoxy/AlN nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1300-1307	2.3	10

237	Effect of ambient temperature on electrical treeing and breakdown phenomenon of polypropylene with repetitive pulse voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 2216-2224	2.3	10
236	Characterization of surface discharge as indicator for hydrophobicity evaluation of silicone rubber insulators. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012 , 19, 1708-1714	2.3	10
235	Decay behavior of surface charge on gamma-ray irradiated epoxy resin 2010 ,		10
234	Improved space charge transport model in bi-layer dielectrics considering carrier dynamic equilibrium. <i>High Voltage</i> , 2020 , 5, 176-183	4.1	10
233	Synthesis of CoTe nanowires: a new electrode material for supercapacitor with high stability and high performance. <i>Nanotechnology</i> , 2020 , 31, 055706	3.4	10
232	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 1305-1312	2.3	10
231	Electric Field Regulation of Insulator Interface by FGM With Conductivity for Superconducting-GIL. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	10
230	Gas Convection Affecting Surface Charge and Electric Field Distribution around Tri-post Insulators in 800 kV GIL. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021 , 28, 1372-1379	2.3	10
229	Surface and interface charge accumulation and decay of oil-paper insulation under DC voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 939-946	2.3	9
228	Investigation of electrification and breakdown strength about transformer oil/pressboard. <i>IET Electric Power Applications</i> , 2017 , 11, 386-392	1.8	9
227	Tree Growth Characteristics of Epoxy Resin in LN2 Under DC Superimposed Pulse Voltage. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	9
226	Surface charge accumulation and decay on directfluorinated oil-impregnated paper. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 3094-3101	2.3	9
225	Dynamic Behavior of Magnetostriction-Induced Vibration and Noise of Amorphous Alloy Cores. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-8	2	9
224	Tracking resistance of epoxy/Al ₂ O ₃ nanocomposites under DC voltage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 109-116	2.3	9
223	Effects of adding nanofiller on DC tracking failure of epoxy/MgO nano-composites under contaminated conditions. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 2146-2155	2.3	9
222	The calculation of circulating current for the single-core cables in Smart Grid 2012 ,		9
221	Tracking and erosion resistance of silicone rubber/BN nanocomposites under DC voltage 2013 ,		9
220	Effect of gamma-ray irradiation on surface charge behavior of polybutylene naphthalate. <i>Journal of Electrostatics</i> , 2009 , 67, 22-26	1.7	9

219	Phenomena and mechanism of electrical tree in silicone rubber 2009 ,		9
218	Effects of corona discharge on surface deterioration of silicone rubber insulator under reduced pressures 2008 ,		9
217	Recurrent plot analysis of discharge sequences in tracking test of polybutylene polymers. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 195412	3	9
216	Surface potential behavior of fluorinated polyimide film under low temperature. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 121-128	2.3	9
215	Numerical simulation on the surface charge accumulation process of epoxy insulator under needle-plane corona discharge in air. <i>IET Science, Measurement and Technology</i> , 2018 , 12, 9-16	1.5	9
214	Electrical Tree Growth Characteristics in Epoxy Resin With Harmonic Superimposed DC Voltage. <i>IEEE Access</i> , 2019 , 7, 47273-47281	3.5	8
213	Effect of moisture migration on surface discharge on oil-pressboard of power transformers under cooling. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 1743-1751	2.3	8
212	Effects of multiple parameters on static electrification and breakdown strength of transformer oil. <i>IET Science, Measurement and Technology</i> , 2016 , 10, 597-601	1.5	8
211	Effect of Magnetic Field on Electrical Treeing Behavior of Silicone Rubber at Low Temperature. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	8
210	Effects of water absorption on surface charge and dielectric breakdown of polyimide/Al ₂ O ₃ nanocomposite films. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016 , 23, 134-141	2.3	8
209	Improved carrier mobility dependent surface charge am flashover voltage of polypropylene film under DC and pulse voltages. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1014-1021	2.3	8
208	Effects of Fluorination on Surface Charge Accumulation and Decay of Polyimide Film. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 120201	1.4	8
207	Dynamic formation mechanism of water droplet and induced surface discharges on silicone rubber composites. <i>High Voltage</i> , 2019 , 4, 59-64	4.1	8
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116	Application of Surface Functionally Graded Materials for Solid Insulator in Gas Insulated Power Apparatus 2019 ,		2
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71	Application of EP/SiC Coated Insulator in DC Gas-solid Insulation System 2019 ,		1
70	Trap dependent interface charge behaviors of fluorinated HVDC cable accessories 2017 ,		1
69	Effect of relative humidity on surface dielectric breakdown of epoxy based nanocomposites under repeated pulses 2014 ,		1
68	Tracking of epoxy/MgO nanocomposites under DC Stress 2013 ,		1
67	Effects of low temperature on treeing Phenomena of silicone rubber/SiO ₂ nanocomposites 2013 ,		1
66	Change in PD resistance of polymer insulating materials irradiated with Ray at high dose rate 2013 ,		1
65	Application of nonlinear methods in tracking failure test of silicone rubber nanocomposite 2010 ,		1
64	Deterioration analysis of ex-serviced 110 kV XLPE cable based on residual charge method 2009 ,		1
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40	Coupling Effects of Ambient Temperature and Filler Contents on Surface Charge and Discharge Behavior of Epoxy/AlN Nanocomposites 2018 ,		1

39	Effects of Temperature on Surface Charge and Flashover Characteristics of Epoxy/SiC Composites 2018 ,		1
38	Simulation of Interface Charge Behaviors in HVDC Cable Accessory Based on Bipolar Carrier Transportation Model 2018 ,		1
37	Suppressing Space Charge in LDPE/GO Nanocomposites for HVDC Cable Application 2018 ,		1
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