

Jun Hu

List of Publications by Year in descending order

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153
papers

4,939
citations

101543

36
h-index

106344

65
g-index

153
all docs

153
docs citations

153
times ranked

3722
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-Term Load Forecasting With Deep Residual Networks. IEEE Transactions on Smart Grid, 2019, 10, 3943-3952.	9.0	410
2	Polymer/molecular semiconductor all-organic composites for high-temperature dielectric energy storage. Nature Communications, 2020, 11, 3919.	12.8	268
3	A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures. Advanced Materials, 2018, 30, e1805672.	21.0	260
4	Evaluation of polypropylene/polyolefin elastomer blends for potential recyclable HVDC cable insulation applications. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 673-681.	2.9	179
5	Self-healing of electrical damage in polymers using superparamagnetic nanoparticles. Nature Nanotechnology, 2019, 14, 151-155.	31.5	169
6	Effect of different nanoparticles on tuning electrical properties of polypropylene nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 1380-1389.	2.9	131
7	A Current Sensor Based on the Giant Magnetoresistance Effect: Design and Potential Smart Grid Applications. Sensors, 2012, 12, 15520-15541.	3.8	124
8	Understanding surface charge accumulation and surface flashover on spacers in compressed gas insulation. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1152-1166.	2.9	122
9	Large Enhancement in Polarization Response and Energy Storage Properties of Poly(vinylidene fluoride)/Carbon Nanotube Nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 118, 831-838.	3.1	112
10	Surface morphology and electrical characteristics of direct fluorinated epoxy-resin/alumina composite. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3071-3077.	2.9	103
11	The potentially neglected culprit of DC surface flashover: electron migration under temperature gradients. Scientific Reports, 2017, 7, 3271.	3.3	95
12	Surface-modified MgO nanoparticle enhances the mechanical and direct-current electrical characteristics of polypropylene/polyolefin elastomer nanodielectrics. Journal of Applied Polymer Science, 2016, 133, .	2.6	94
13	Influence of functionalized MgO nanoparticles on electrical properties of polyethylene nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1512-1519.	2.9	88
14	Photoresponsive Self-Healing Polymer Composite with Photoabsorbing Hybrid Microcapsules. ACS Applied Materials & Interfaces, 2015, 7, 25546-25552.	8.0	88
15	Direct Detection of Local Electric Polarization in the Interfacial Region in Ferroelectric Polymer Nanocomposites. Advanced Materials, 2019, 31, e1807722.	21.0	81
16	Large improvement in trap level and space charge distribution of polypropylene by enhancing the crystalline-amorphous interface effect in blends. Polymer International, 2016, 65, 371-379.	3.1	77
17	Local Dielectric Property Detection of the Interface between Nanoparticle and Polymer in Nanocomposite Dielectrics. Scientific Reports, 2016, 6, 38978.	3.3	77
18	Discussions on Nonuniformity of Energy Absorption Capabilities of ZnO Varistors. IEEE Transactions on Power Delivery, 2007, 22, 1523-1532.	4.3	74

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19	Polymer nanocomposites with high energy density and improved charge/discharge efficiency utilizing hierarchically-structured nanofillers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6576-6585.	10.3	74
20	A Nonintrusive Power Supply Design for Self-Powered Sensor Networks in the Smart Grid by Scavenging Energy From AC Power Line. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 4398-4407.	7.9	71
21	Convolutional sequence to sequence non-intrusive load monitoring. <i>Journal of Engineering</i> , 2018, 2018, 1860-1864.	1.1	70
22	Understanding the Percolation Characteristics of Nonlinear Composite Dielectrics. <i>Scientific Reports</i> , 2016, 6, 30597.	3.3	67
23	A Framework for Automatically Extracting Overvoltage Features Based on Sparse Autoencoder. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 594-604.	9.0	67
24	Titanium oxide nanoparticle increases shallow traps to suppress space charge accumulation in polypropylene dielectrics. <i>RSC Advances</i> , 2016, 6, 48720-48727.	3.6	63
25	Thermoplastic polypropylene/aluminum nitride nanocomposites with enhanced thermal conductivity and low dielectric loss. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2016, 23, 2768-2776.	2.9	54
26	The Effect of Aluminum on Electrical Properties of ZnO Varistors. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2441-2444.	3.8	52
27	Temperature dependent electrical properties of thermoplastic polypropylene nanocomposites for HVDC cable insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 1596-1604.	2.9	52
28	Surface modification effect of MgO nanoparticles on the electrical properties of polypropylene nanocomposite. <i>High Voltage</i> , 2020, 5, 249-255.	4.7	51
29	Identification of Partial Discharge Defects Based on Deep Learning Method. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 1557-1568.	4.3	50
30	ZnO varistors with high voltage gradient and low leakage current by doping rare-earth oxide. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 693-701.	0.9	47
31	Tailored ferroelectric responses and enhanced energy density in PVDF-based homopolymer/terpolymer blends. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	46
32	Overhead Transmission Line Parameter Reconstruction for UAV Inspection Based on Tunneling Magnetoresistive Sensors and Inverse Models. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 819-827.	4.3	45
33	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	44
34	Electrical degradation of double-Schottky barrier in ZnO varistors. <i>AIP Advances</i> , 2016, 6, .	1.3	44
35	Enhanced breakdown strength and energy density in PVDF nanocomposites with functionalized MgO nanoparticles. <i>RSC Advances</i> , 2016, 6, 33599-33605.	3.6	44
36	Electric and Dielectric Behaviors of Y-Doped Calcium Copper Titanate. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3043-3045.	3.8	41

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37	“Thermal Stabilization Effect” of Al ₂ O ₃ nano-dopants improves the high-temperature dielectric performance of polyimide. Scientific Reports, 2015, 5, 16986.	3.3	38
38	Hysteretic Modeling of Output Characteristics of Giant Magnetoresistive Current Sensors. IEEE Transactions on Industrial Electronics, 2015, 62, 516-524.	7.9	36
39	Novel HVDC spacers by adaptively controlling surface charges “ part iii: industrialization prospects. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1259-1266.	2.9	36
40	Tailoring the nonlinear conducting behavior of silicone composites by ZnO microvaristor fillers. Journal of Applied Polymer Science, 2015, 132, .	2.6	34
41	High Nonlinearity and High Voltage Gradient ZnO Varistor Ceramics Tailored by Combining Ga ₂ O ₃ , Al ₂ O ₃ , and Y ₂ O ₃ Dopants. Journal of the American Ceramic Society, 2016, 99, 769-772.	3.8	34
42	Self-healing of internal damage in mechanically robust polymers utilizing a reversibly convertible molecular network. Journal of Materials Chemistry A, 2021, 9, 15975-15984.	10.3	34
43	Piezoelectric“Piezoresistive Coupling MEMS Sensors for Measurement of Electric Fields of Broad Bandwidth and Large Dynamic Range. IEEE Transactions on Industrial Electronics, 2020, 67, 551-559.	7.9	33
44	Fluorine gas treatment improves surface degradation inhibiting property of alumina-filled epoxy composite. AIP Advances, 2016, 6, .	1.3	32
45	Mapping the Space Charge at Nanoscale in Dielectric Polymer Nanocomposites. ACS Applied Materials & Interfaces, 2020, 12, 53425-53434.	8.0	32
46	Improved High-Temperature Electrical Properties of Polymeric Material by Grafting Modification. ACS Sustainable Chemistry and Engineering, 2022, 10, 8685-8693.	6.7	32
47	Self-healing of electrical damage in thermoset polymers <i>via</i> anionic polymerization. Journal of Materials Chemistry C, 2020, 8, 6025-6033.	5.5	31
48	Novel method of corrosion diagnosis for grounding grid. , 0, , .		30
49	Tailoring low leakage current and high nonlinear coefficient of a Y-doped ZnO varistor by indium doping. Materials Letters, 2017, 188, 77-79.	2.6	30
50	High voltage gradient and low residual-voltage ZnO varistor ceramics tailored by doping with In ₂ O ₃ and Al ₂ O ₃ . Ceramics International, 2016, 42, 19437-19440.	4.8	29
51	Method of interturn fault detection for next-generation smart transformers based on deep learning algorithm. High Voltage, 2019, 4, 282-291.	4.7	29
52	Electric and dielectric properties of Bi-doped CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of Applied Physics, 2009, 105, .	2.5	28
53	Switching Transient of 1000-kV UHV System Considering Detailed Substation Structure. IEEE Transactions on Power Delivery, 2012, 27, 112-122.	4.3	28
54	Tuning the potential distribution of AC cable terminals by stress cone of nonlinear conductivity material. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 2686-2693.	2.9	28

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55	Magnetic energy harvesting properties of piezofiber bimorph/NdFeB composites. Applied Physics Letters, 2014, 104, .	3.3	27
56	A Novel High-Performance Energy Harvester Based on Nonlinear Resonance for Scavenging Power-Frequency Magnetic Energy. IEEE Transactions on Industrial Electronics, 2017, 64, 6556-6564.	7.9	25
57	Functionalized TiO ₂ Nanoparticles Tune the Aggregation Structure and Trapping Property of Polyethylene Nanocomposites. Journal of Physical Chemistry C, 2016, 120, 24754-24761.	3.1	23
58	The theory and implementation of corrosion diagnosis for grounding system. , 0, , .		22
59	Electric Field Sensor Based on Piezoelectric Bending Effect for Wide Range Measurement. IEEE Transactions on Industrial Electronics, 2015, 62, 5730-5737.	7.9	22
60	Stable electrical properties of ZnO varistor ceramics with multiple additives against the AC accelerated aging process. Ceramics International, 2019, 45, 11105-11108.	4.8	22
61	Tailored sPP/Silica Nanocomposite for Ecofriendly Insulation of Extruded HVDC Cable. Journal of Nanomaterials, 2015, 2015, 1-9.	2.7	20
62	Smart dielectric materials for next-generation electrical insulation. , 2022, 1, 19-49.		20
63	Naturally asymmetrical double-Schottky barrier model: Based on observation of bicrystal. Applied Physics Letters, 2012, 101, .	3.3	19
64	Observation of the charged defect migration that causes the degradation of double-Schottky barriers using a nondestructive quantitative profiling technique. Applied Physics Letters, 2014, 105, .	3.3	19
65	Comparisons of different polypropylene copolymers as potential recyclable HVDC cable insulation materials. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 674-680.	2.9	19
66	Effective Protection Distances of SPDs for Household Electrical Appliances. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 690-699.	2.2	18
67	Cu segregation and its effects on the electrical properties of calcium copper titanate. Science China Technological Sciences, 2011, 54, 2506-2510.	4.0	18
68	Mesoporous Nano-Silica Serves as the Degradation Inhibitor in Polymer Dielectrics. Scientific Reports, 2016, 6, 28749.	3.3	18
69	Micro-Cantilever Capacitive Sensor for High-Resolution Measurement of Electric Fields. IEEE Sensors Journal, 2021, 21, 4317-4324.	4.7	18
70	Nickel oxide doping effects on electrical characteristics and microstructural phases of ZnO varistors with low residual voltage ratio. Journal of the Ceramic Society of Japan, 2011, 119, 43-47.	1.1	17
71	How nonlinear V-I characteristics of single ZnO microvaristor influences the performance of its silicone rubber composite. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 623-630.	2.9	17
72	Different microscopic features of AC and DC electrical trees in insulating polymer. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2259-2265.	2.9	17

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73	Development of Polymeric Surge ZnO Arresters for 500-kV Compact Transmission Line. IEEE Transactions on Power Delivery, 2006, 21, 113-120.	4.3	16
74	Microstructures and characteristics of deep trap levels in ZnO varistors doped with Y2O3. Science in China Series D: Earth Sciences, 2009, 52, 3668-3673.	0.9	16
75	Defect-targeted self-healing of multiscale damage in polymers. Nanoscale, 2020, 12, 3605-3613.	5.6	16
76	Micro Electric Field Sensors: Principles and Applications. IEEE Industrial Electronics Magazine, 2021, 15, 35-42.	2.6	15
77	Design of adaptive bushing based on field grading materials. High Voltage, 2021, 6, 625-636.	4.7	15
78	Failure Risk of UHV AC Transmission Line Considering the Statistical Characteristics of Switching Overvoltage Waveshape. IEEE Transactions on Power Delivery, 2013, 28, 1731-1739.	4.3	14
79	Minimum Distance of Lightning Protection Between Insulator String and Line Surge Arrester in Parallel. IEEE Transactions on Power Delivery, 2009, 24, 656-663.	4.3	13
80	Time-Domain Response Simulation of ZnO Varistors by Voronoi Network with an Actual Grain Boundary Model. Journal of the American Ceramic Society, 2010, 93, 1547-1550.	3.8	13
81	Requirement of ultra-high voltage GIS arrester to voltage gradient of metal-oxide varistor. Science in China Series D: Earth Sciences, 2009, 52, 450-455.	0.9	12
82	Influence of Cr_2O_3 on the Residual Voltage Ratio of SnO_2 -Based Varistor. Journal of the American Ceramic Society, 2011, 94, 1999-2002.	3.8	12
83	Elimination of Closing Resistors for Breakers in 1000-kV UHV System by Surge Arresters. IEEE Transactions on Power Delivery, 2012, 27, 2168-2175.	4.3	12
84	Comparisons of different polypropylene copolymers as potential recyclable HVDC cable insulation materials. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 674-680.	2.9	12
85	Power-Frequency Voltage Withstand Characteristics of Insulations of Substation Secondary Systems. IEEE Transactions on Power Delivery, 2010, 25, 734-746.	4.3	11
86	Detection and classification of transmission line faults based on unsupervised feature learning and convolutional sparse autoencoder. , 2017, , .		11
87	Large voltage control of magnetic anisotropy in CoFeB/MgO/OX structures at room temperature. APL Materials, 2019, 7, .	5.1	11
88	A Self-Sustained Current Sensor for Smart Grid Application. IEEE Transactions on Industrial Electronics, 2021, 68, 12810-12820.	7.9	11
89	Temperature Dependences of Leakage Currents of ZnO Varistors Doped with Rare-Earth Oxides. Journal of the American Ceramic Society, 2010, 93, 2155-2157.	3.8	10
90	Characteristics and mixing state of S-rich particles in haze episodes in Beijing. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	6.0	10

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91	A Novel Magnetic Energy Harvester Using Spinning Magnetolectric Transducer. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	10
92	An electrodynamic energy harvester with a 3D printed magnet and optimized topology. Applied Physics Letters, 2019, 114, 013902.	3.3	10
93	Statistical Pulse Degradation Characteristics of Grain Boundaries in a ZnO Varistor Based on Microcontact Measurement. Journal of the American Ceramic Society, 2010, 93, 2473-2475.	3.8	9
94	Comparison of Effects of Ethylene-Based and Propylene-Based Copolymer on Tailoring the Properties of Polypropylene. IEEE Access, 2020, 8, 123507-123513.	4.2	9
95	Polymer Nanocomposites with High Energy Density Utilizing Oriented Nanosheets and High-Dielectric-Constant Nanoparticles. Materials, 2021, 14, 4780.	2.9	9
96	Dielectric Properties Improvement of Grafting-Modified Polypropylene by Silane for HVDC Cable Insulation. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 2004-2010.	2.9	9
97	A Dielectric Polymer/Metal Oxide Nanowire Composite for Self-Adaptive Charge Release. Nano Letters, 2022, 22, 5167-5174.	9.1	9
98	Effect of silicone rubber polymer composites on nonuniform electric fields of rod-plane gaps. , 2013, , .		8
99	Electroluminescence and electrical degradation of insulating polymers at electrode interfaces under divergent fields. Journal of Applied Physics, 2018, 123, .	2.5	8
100	A novel line position recognition method in transmission line patrolling with UAV using machine learning algorithms. , 2018, , .		8
101	A Novel Current Reconstruction Method Based on Elastic Net Regularization. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7484-7493.	4.7	8
102	Characterization of individual grain boundaries and grains of CaCu ₃ Ti ₄ O ₁₂ ceramic. Science China Technological Sciences, 2012, 55, 879-882.	4.0	7
103	Equivalent Waveform Parameters of Switching Overvoltages in UHV Systems. IEEE Transactions on Power Delivery, 2013, 28, 1740-1749.	4.3	7
104	Adjusting nonlinear characteristics of ZnO-silicone rubber composites by controlling filler's shape and size. , 2016, , .		7
105	Solar energy forecasting with numerical weather predictions on a grid and convolutional networks. , 2017, , .		7
106	Polymer Dielectrics: A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures (Adv.) Tj ETQq0 0 0 rgB10 Overlock 10 Tf 50 I		7
107	Great enhancement of energy harvesting properties of piezoelectric/magnet composites by the employment of magnetic concentrator. Journal of Applied Physics, 2015, 117, 17A304.	2.5	6
108	Micro Piezoelectric-capacitive Sensors for Highsensitivity Measurement of Space Electric Fields. , 2019, , .		6

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109	Design and application of line surge arresters to improve lightning protection characteristics of transmission lines. , 2008, , .		5
110	Effects of manganese dioxide additives on the electrical characteristics of Al-doped ZnO varistors. Science China Technological Sciences, 2011, 54, 2204-2208.	4.0	5
111	Parametric Reconstruction of Multiple Line Currents Based on Magnetic Sensor Array. IEEE Transactions on Magnetics, 2020, 56, 1-8.	2.1	5
112	Non-linearly conductive ZnO microvaristors/epoxy resin composite prepared by wet winding with polyester fibre cloth. High Voltage, 2022, 7, 32-40.	4.7	5
113	Grading Structure Design of Surge Arrester for 1000-kV Ultra-high Voltage Air-insulated Substation. , 2008, , .		4
114	The dependence of sintering temperature on Schottky barrier and bulk electron traps of ZnO varistors. Science China Technological Sciences, 2011, 54, 375-378.	4.0	4
115	Dependence of residual voltage ratio behavior of SnO ₂ -based varistors on Nb ₂ O ₅ addition. Science China Technological Sciences, 2011, 54, 1415-1418.	4.0	4
116	Hot electron injection regulation in Al ₂ O ₃ -filled epoxy resin composite using Cr ₂ O ₃ coatings. , 2016, , .		4
117	Data-driven residential customer aggregation based on seasonal behavioral patterns. , 2017, , .		4
118	Novel HVDC Spacers in GIS/GIL by Adaptively Controlling Surface Charges - Insulation Compounding Scheme. , 2019, , .		4
119	Trampoline-Shaped Micro Electric-Field Sensor for AC/DC High Electric Field Measurement. IEEE Transactions on Industrial Electronics, 2022, 69, 13791-13798.	7.9	4
120	Systematic Analysis and Characterization of Extreme Failure for IGCT in MMC-HVdc System—Part II: Failure Mechanism and Short Circuit Characteristics. IEEE Transactions on Power Electronics, 2022, 37, 5562-5573.	7.9	4
121	Effect of Nonuniformities of Microstructure and Electrical Property of Grain Boundary to the Global Electrical Characteristics. , 2006, , .		3
122	High Voltage Gradient ZnO Nonlinear Resistor Doped with Rare-Earth Oxide. , 2006, , .		3
123	The AC aging characteristics of high voltage gradient ZnO varistors doped with different content of Bi ₂ O ₃ . , 2010, , .		3
124	A novel inverse method for automatic UAV line patrolling with magnetic sensors. , 2018, , .		3
125	High voltage gradient zinc oxide varistors for line surge arresters and GIS tank-type arresters. , 2019, , .		3
126	Nanoscale mapping of electric polarizability in a heterogeneous dielectric material with surface irregularities. Nanotechnology, 2021, 32, 505711.	2.6	3

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127	Scattered Phenomenon of Energy Absorption Capabilities of ZnO Varistors. , 2006, , .		2
128	Influence of $Y_{2}O_{3}$ on electrical properties and dielectric characteristics in ZnO based varistor ceramics. , 2009, , .		2
129	Dynamic observation of dc surface charge dissipation for epoxy-resin/alumina composite. , 2015, , .		2
130	Space charge behavior in polypropylene/polyolefin elastomer/MgO nanocomposites under temperature gradient. , 2016, , .		2
131	Excellent electrical properties of zinc-oxide varistors by tailoring sintering process for optimizing line-arrester configuration. , 2020, , .		2
132	Dopant Effects to Pores in ZnO Varistors. , 2006, , .		1
133	Inhibition Effect of Twins to Grain Growth in ZnO Varistors. , 2006, , .		1
134	Microstructure Simulation on Puncturing Phenomenon of ZnO Varistor under High Current. , 2006, , .		1
135	Residual voltage properties of ZnO varistors doped with $Y_{2}O_{3}$ for high voltage gradient. , 2009, , .		1
136	Dielectric spectroscopies of ZnO varistors with high voltage gradient under surge aging condition. , 2009, , .		1
137	Effect of the mutual inductances among grounding conductors on the transient performance of grounding grids. , 2009, , .		1
138	Statistical investigation of influence of surge arresters on lightning surge level in 220 V AC power systems. , 2010, , .		1
139	Effect of $Bi_{2}O_{3}$ doping on the electrical characteristics of Al-doped ZnO varistors with low residual voltage. , 2010, , .		1
140	Lightning protection of Chinese ancient architecture. , 2011, , .		1
141	Influence of surface modification on electrical properties of polyethylene SiO_{2} nanocomposites. , 2015, , .		1
142	Microstructure and electrical properties of $Ga_{2}O_{3}$ doping on ZnO varistor ceramics with different sintering temperature. , 2016, , .		1
143	Linear Control of Magneto-Electric Effect With Small Electric Fields. IEEE Magnetics Letters, 2016, 7, 1-5.	1.1	1
144	Research on detection method for spatial discharge of high voltage electrical equipment based on ultraviolet monitoring video. , 2017, , .		1

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145	Ferroelectric Nanocomposites: Direct Detection of Local Electric Polarization in the Interfacial Region in Ferroelectric Polymer Nanocomposites (Adv. Mater. 21/2019). Advanced Materials, 2019, 31, 1970154.	21.0	1
146	Drive-Current-Free Switch With Internal Transduction in a Magneto Piezo-Electronic Transistor. IEEE Transactions on Industrial Electronics, 2020, 67, 3257-3266.	7.9	1
147	Identifying working day and rest day data based on machine learning method for more accurate transformer load forecasting. , 2020, , .		1
148	Simulation on surge responses of ZnO varistors by Voronoi network with actual grain boundary model. , 2010, , .		0
149	±1100kV DC system impedance analysis under various operating modes and conditions. , 2014, , .		0
150	Predicting electromagnetic environment parameters of power transmission line with data mining methods. , 2017, , .		0
151	Novel ZnO Varistors for Dramatically Improving Protective Effect of Surge Arresters. , 2018, , .		0
152	10.1063/1.4897152.1. , 2014, , .		0
153	The Study On Reactor Fault Detection Based on Model Layering. , 2021, , .		0