

# Jun Hu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8400446/jun-hu-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133  
papers

2,998  
citations

31  
h-index

50  
g-index

153  
ext. papers

4,016  
ext. citations

5.4  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
133	Non-linearly conductive ZnO microvaristors/epoxy resin composite prepared by wet winding with polyester fibre cloth. <i>High Voltage</i> , <b>2022</b> , 7, 32-40	4.1	1
132	Smart dielectric materials for next-generation electrical insulation <b>2022</b> , 1, 19-49		3
131	Trampoline-shaped Micro Electric-field Sensor for AC/DC High Electric Field Measurement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	0
130	Systematic Analysis and Characterization of Extreme Failure for IGCT in MMC-HVDC systemPart II: Failure Mechanism and Short Circuit Characteristics. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	1
129	Design of adaptive bushing based on field grading materials. <i>High Voltage</i> , <b>2021</b> , 6, 625-636	4.1	5
128	Micro-Cantilever Capacitive Sensor for High-Resolution Measurement of Electric Fields. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 4317-4324	4	3
127	Self-healing of internal damage in mechanically robust polymers utilizing a reversibly convertible molecular network. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 15975-15984	13	6
126	Micro Electric-field Sensors: Principles and Applications. <i>IEEE Industrial Electronics Magazine</i> , <b>2021</b> , 0-0	6.2	1
125	A Self-Sustained Current Sensor for Smart Grid Application. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 12810-12820	8.9	1
124	Dielectric Properties Improvement of Grafting-Modified Polypropylene by Silane for HVDC Cable Insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2021</b> , 28, 2004-2010	2.3	2
123	A Novel Current Reconstruction Method Based on Elastic Net Regularization. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 7484-7493	5.2	6
122	Polymer nanocomposites with high energy density and improved charge/discharge efficiency utilizing hierarchically-structured nanofillers. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 6576-6585	13	44
121	Self-healing of electrical damage in thermoset polymers via anionic polymerization. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 6025-6033	7.1	9
120	Parametric Reconstruction of Multiple Line Currents Based on Magnetic Sensor Array. <i>IEEE Transactions on Magnetics</i> , <b>2020</b> , 56, 1-8	2	0
119	Excellent electrical properties of zinc-oxide varistors by tailoring sintering process for optimizing line-arrester configuration <b>2020</b> ,		1
118	Defect-targeted self-healing of multiscale damage in polymers. <i>Nanoscale</i> , <b>2020</b> , 12, 3605-3613	7.7	9
117	Comparison of Effects of Ethylene-Based and Propylene-Based Copolymer on Tailoring the Properties of Polypropylene. <i>IEEE Access</i> , <b>2020</b> , 8, 123507-123513	3.5	2

116	Mapping the Space Charge at Nanoscale in Dielectric Polymer Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 53425-53434	9.5	13
115	Polymer/molecular semiconductor all-organic composites for high-temperature dielectric energy storage. <i>Nature Communications</i> , <b>2020</b> , 11, 3919	17.4	97
114	Surface-modification effect of MgO nanoparticles on the electrical properties of polypropylene nanocomposite. <i>High Voltage</i> , <b>2020</b> , 5, 249-255	4.1	23
113	PiezoelectricPiezoresistive Coupling MEMS Sensors for Measurement of Electric Fields of Broad Bandwidth and Large Dynamic Range. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 551-559	8.9	14
112	Drive-Current-Free Switch With Internal Transduction in a Magneto Piezo-Electronic Transistor. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 3257-3266	8.9	1
111	Comparisons of different polypropylene copolymers as potential recyclable HVDC cable insulation materials. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2019</b> , 26, 674-680	2.3	9
110	Ferroelectric Nanocomposites: Direct Detection of Local Electric Polarization in the Interfacial Region in Ferroelectric Polymer Nanocomposites (Adv. Mater. 21/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970154	24	
109	Identification of Partial Discharge Defects Based on Deep Learning Method. <i>IEEE Transactions on Power Delivery</i> , <b>2019</b> , 34, 1557-1568	4.3	30
108	Direct Detection of Local Electric Polarization in the Interfacial Region in Ferroelectric Polymer Nanocomposites. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807722	24	47
107	Short-Term Load Forecasting With Deep Residual Networks. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 3943-3952	10.7	198
106	Large voltage control of magnetic anisotropy in CoFeB/MgO/OX structures at room temperature. <i>APL Materials</i> , <b>2019</b> , 7, 101112	5.7	6
105	Comparisons of different polypropylene copolymers as potential recyclable HVDC cable insulation materials. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2019</b> , 26, 674-680	2.3	0
104	High voltage gradient zinc oxide varistors for line surge arresters and GIS tank-type arresters <b>2019</b> ,		1
103	Temperature dependent electrical properties of thermoplastic polypropylene nanocomposites for HVDC cable insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2019</b> , 26, 1596-1604	2.3	31
102	Method of inter-turn fault detection for next-generation smart transformers based on deep learning algorithm. <i>High Voltage</i> , <b>2019</b> , 4, 282-291	4.1	15
101	Stable electrical properties of ZnO varistor ceramics with multiple additives against the AC accelerated aging process. <i>Ceramics International</i> , <b>2019</b> , 45, 11105-11108	5.1	11
100	Novel HVDC Spacers in GIS/GIL by Adaptively Controlling Surface Charges - Insulation Compounding Scheme <b>2019</b> ,		3
99	Micro Piezoelectric-capacitive Sensors for Highsensitivity Measurement of Space Electric Fields <b>2019</b> ,		1

98	Self-healing of electrical damage in polymers using superparamagnetic nanoparticles. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 151-155	28.7	104
97	Overhead Transmission Line Parameter Reconstruction for UAV Inspection Based on Tunneling Magnetoresistive Sensors and Inverse Models. <i>IEEE Transactions on Power Delivery</i> , <b>2019</b> , 34, 819-827	4.3	21
96	An electrodynamic energy harvester with a 3D printed magnet and optimized topology. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 013902	3.4	8
95	Electroluminescence and electrical degradation of insulating polymers at electrode interfaces under divergent fields. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 135106	2.5	3
94	How nonlinear V-I characteristics of single ZnO microvaristor influences the performance of its silicone rubber composite. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2018</b> , 25, 623-630	2.3	10
93	Understanding surface charge accumulation and surface flashover on spacers in compressed gas insulation. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2018</b> , 25, 1152-1166	2.3	87
92	Novel HVDC spacers by adaptively controlling surface charges [part iii: industrialization prospects. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2018</b> , 25, 1259-1266	2.3	29
91	A novel inverse method for automatic UAV line patrolling with magnetic sensors <b>2018</b> ,		1
90	Different microscopic features of AC and DC electrical trees in insulating polymer. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2018</b> , 25, 2259-2265	2.3	7
89	Polymer Dielectrics: A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures (Adv. Mater. 49/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870378	24	2
88	A Scalable, High-Throughput, and Environmentally Benign Approach to Polymer Dielectrics Exhibiting Significantly Improved Capacitive Performance at High Temperatures. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805672	24	145
87	Convolutional sequence to sequence non-intrusive load monitoring. <i>Journal of Engineering</i> , <b>2018</b> , 2018, 1860-1864	0.7	36
86	A novel line position recognition method in transmission line patrolling with UAV using machine learning algorithms <b>2018</b> ,		3
85	Tailoring low leakage current and high nonlinear coefficient of a Y-doped ZnO varistor by indium doping. <i>Materials Letters</i> , <b>2017</b> , 188, 77-79	3.3	24
84	A Novel High-Performance Energy Harvester Based on Nonlinear Resonance for Scavenging Power-Frequency Magnetic Energy. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 6556-6564	8.9	18
83	The potentially neglected culprit of DC surface flashover: electron migration under temperature gradients. <i>Scientific Reports</i> , <b>2017</b> , 7, 3271	4.9	63
82	Effect of different nanoparticles on tuning electrical properties of polypropylene nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 1380-1389	2.3	71
81	Tuning the potential distribution of AC cable terminals by stress cone of nonlinear conductivity material. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 2686-2693	2.3	16

80	Detection and classification of transmission line faults based on unsupervised feature learning and convolutional sparse autoencoder <b>2017</b> ,		6
79	Data-driven residential customer aggregation based on seasonal behavioral patterns <b>2017</b> ,		2
78	Solar energy forecasting with numerical weather predictions on a grid and convolutional networks <b>2017</b> ,		4
77	Thermoplastic polypropylene/aluminum nitride nanocomposites with enhanced thermal conductivity and low dielectric loss. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2016</b> , 23, 2768-2776	2.3	29
76	Surface morphology and electrical characteristics of direct fluorinated epoxy-resin/alumina composite. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2016</b> , 23, 3071-3077	2.3	76
75	Functionalized TiO <sub>2</sub> Nanoparticles Tune the Aggregation Structure and Trapping Property of Polyethylene Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24754-24761	3.8	14
74	A Novel Magnetic Energy Harvester Using Spinning Magnetolectric Transducer. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	8
73	Characteristics and mixing state of S-rich particles in haze episodes in Beijing. <i>Frontiers of Environmental Science and Engineering</i> , <b>2016</b> , 10, 1	5.8	6
72	Large improvement in trap level and space charge distribution of polypropylene by enhancing the crystalline/amorphous interface effect in blends. <i>Polymer International</i> , <b>2016</b> , 65, 371-379	3.3	55
71	High Nonlinearity and High Voltage Gradient ZnO Varistor Ceramics Tailored by Combining Ga <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , and Y <sub>2</sub> O <sub>3</sub> Dopants. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 769-772	3.8	27
70	Fluorine gas treatment improves surface degradation inhibiting property of alumina-filled epoxy composite. <i>AIP Advances</i> , <b>2016</b> , 6, 025017	1.5	27
69	Local Dielectric Property Detection of the Interface between Nanoparticle and Polymer in Nanocomposite Dielectrics. <i>Scientific Reports</i> , <b>2016</b> , 6, 38978	4.9	41
68	Understanding the Percolation Characteristics of Nonlinear Composite Dielectrics. <i>Scientific Reports</i> , <b>2016</b> , 6, 30597	4.9	46
67	Hot electron injection regulation in Al <sub>2</sub> O <sub>3</sub> -filled epoxy resin composite using Cr <sub>2</sub> O <sub>3</sub> coatings <b>2016</b> ,		2
66	Space charge behavior in polypropylene/polyolefin elastomer/MgO nanocomposites under temperature gradient <b>2016</b> ,		1
65	Electrical degradation of double-Schottky barrier in ZnO varistors. <i>AIP Advances</i> , <b>2016</b> , 6, 030701	1.5	28
64	Mesoporous Nano-Silica Serves as the Degradation Inhibitor in Polymer Dielectrics. <i>Scientific Reports</i> , <b>2016</b> , 6, 28749	4.9	16
63	Surface-modified MgO nanoparticle enhances the mechanical and direct-current electrical characteristics of polypropylene/polyolefin elastomer nanodielectrics. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	65

62	Enhanced breakdown strength and energy density in PVDF nanocomposites with functionalized MgO nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 33599-33605	3.7	36
61	Titanium oxide nanoparticle increases shallow traps to suppress space charge accumulation in polypropylene dielectrics. <i>RSC Advances</i> , <b>2016</b> , 6, 48720-48727	3.7	45
60	Linear Control of Magneto-Electric Effect With Small Electric Fields. <i>IEEE Magnetics Letters</i> , <b>2016</b> , 7, 1-5	1.6	1
59	A Framework for Automatically Extracting Overvoltage Features Based on Sparse Autoencoder. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 1-1	10.7	42
58	High voltage gradient and low residual-voltage ZnO varistor ceramics tailored by doping with In <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> . <i>Ceramics International</i> , <b>2016</b> , 42, 19437-19440	5.1	19
57	Adjusting nonlinear characteristics of ZnO-silicone rubber composites by controlling filler shape and size <b>2016</b> ,		6
56	Great enhancement of energy harvesting properties of piezoelectric/magnet composites by the employment of magnetic concentrator. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A304	2.5	6
55	Hysteretic Modeling of Output Characteristics of Giant Magnetoresistive Current Sensors. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 516-524	8.9	31
54	Influence of functionalized MgO nanoparticles on electrical properties of polyethylene nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2015</b> , 22, 1512-1519	2.3	71
53	Photoresponsive Self-Healing Polymer Composite with Photoabsorbing Hybrid Microcapsules. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25546-52	9.5	72
52	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> , <b>2015</b> , 62, 4398-4407	8.9	60
51	Dynamic observation of dc surface charge dissipation for epoxy-resin/alumina composite <b>2015</b> ,		2
50	"Thermal Stabilization Effect" of Al <sub>2</sub> O <sub>3</sub> nano-dopants improves the high-temperature dielectric performance of polyimide. <i>Scientific Reports</i> , <b>2015</b> , 5, 16986	4.9	29
49	Influence of surface modification on electrical properties of polyethylene SiO <sub>2</sub> nanocomposites <b>2015</b> ,		1
48	Tailoring the nonlinear conducting behavior of silicone composites by ZnO microvaristor fillers. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	26
47	Tailored sPP/Silica Nanocomposite for Ecofriendly Insulation of Extruded HVDC Cable. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-9	3.2	13
46	Evaluation of polypropylene/polyolefin elastomer blends for potential recyclable HVDC cable insulation applications. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2015</b> , 22, 673-681	2.3	114
45	Electric Field Sensor Based on Piezoelectric Bending Effect for Wide Range Measurement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 5730-5737	8.9	12

44	Large Enhancement in Polarization Response and Energy Storage Properties of Poly(vinylidene fluoride) by Improving the Interface Effect in Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 831-838	3.8	89
43	Tailored ferroelectric responses and enhanced energy density in PVDF-based homopolymer/terpolymer blends. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131,	2.9	38
42	Magnetic energy harvesting properties of piezofiber bimorph/NdFeB composites. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 093901	3.4	26
41	Observation of the charged defect migration that causes the degradation of double-Schottky barriers using a nondestructive quantitative profiling technique. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 133508	3.4	16
40	Equivalent Waveform Parameters of Switching Overvoltages in UHV Systems. <i>IEEE Transactions on Power Delivery</i> , <b>2013</b> , 28, 1740-1749	4.3	2
39	Failure Risk of UHV AC Transmission Line Considering the Statistical Characteristics of Switching Overvoltage Waveshape. <i>IEEE Transactions on Power Delivery</i> , <b>2013</b> , 28, 1731-1739	4.3	8
38	Effect of silicone rubber polymer composites on nonuniform electric fields of rod-plane gaps <b>2013</b> ,		4
37	Elimination of Closing Resistors for Breakers in 1000-kV UHV System by Surge Arresters. <i>IEEE Transactions on Power Delivery</i> , <b>2012</b> , 27, 2168-2175	4.3	7
36	Switching Transient of 1000-kV UHV System Considering Detailed Substation Structure. <i>IEEE Transactions on Power Delivery</i> , <b>2012</b> , 27, 112-122	4.3	17
35	A current sensor based on the giant magnetoresistance effect: design and potential smart grid applications. <i>Sensors</i> , <b>2012</b> , 12, 15520-41	3.8	91
34	Characterization of individual grain boundaries and grains of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramic. <i>Science China Technological Sciences</i> , <b>2012</b> , 55, 879-882	3.5	4
33	Naturally asymmetrical double-Schottky barrier model: Based on observation of bicrystal. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 173508	3.4	15
32	Nickel oxide doping effects on electrical characteristics and microstructural phases of ZnO varistors with low residual voltage ratio. <i>Journal of the Ceramic Society of Japan</i> , <b>2011</b> , 119, 43-47	1	13
31	Influence of Cr <sub>2</sub> O <sub>3</sub> on the Residual Voltage Ratio of SnO <sub>2</sub> -Based Varistor. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 1999-2002	3.8	8
30	Effective Protection Distances of SPDs for Household Electrical Appliances. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2011</b> , 53, 690-699	2	12
29	The dependence of sintering temperature on Schottky barrier and bulk electron traps of ZnO varistors. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 375-378	3.5	4
28	Effects of manganese dioxide additives on the electrical characteristics of Al-doped ZnO varistors. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 2204-2208	3.5	4
27	Dependence of residual voltage ratio behavior of SnO <sub>2</sub> -based varistors on Nb <sub>2</sub> O <sub>5</sub> addition. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 1415-1418	3.5	3

26	Cu segregation and its effects on the electrical properties of calcium copper titanate. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 2506-2510	3.5	13
25	Time-Domain Response Simulation of ZnO Varistors by Voronoi Network with an Actual Grain Boundary Model. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1547	3.8	10
24	Temperature Dependences of Leakage Currents of ZnO Varistors Doped with Rare-Earth Oxides. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2155-2157	3.8	10
23	The Effect of Aluminum on Electrical Properties of ZnO Varistors. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2441-2444	3.8	41
22	Statistical Pulse Degradation Characteristics of Grain Boundaries in a ZnO Varistor Based on Microcontact Measurement. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2473-2475	3.8	6
21	Electric and Dielectric Behaviors of Y-Doped Calcium Copper Titanate. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3043-3045	3.8	38
20	Effective Protection Distances of Low-Voltage SPD With Different Voltage Protection Levels. <i>IEEE Transactions on Power Delivery</i> , <b>2010</b> , 25, 187-195	4.3	31
19	Power-Frequency Voltage Withstand Characteristics of Insulations of Substation Secondary Systems. <i>IEEE Transactions on Power Delivery</i> , <b>2010</b> , 25, 734-746	4.3	9
18	Influence of Y2O3 on electrical properties and dielectric characteristics in ZnO based varistor ceramics <b>2009</b> ,		1
17	Residual voltage properties of ZnO varistors doped with Y2O3 for high voltage gradient <b>2009</b> ,		1
16	Microstructures and characteristics of deep trap levels in ZnO varistors doped with Y2O3. <i>Science in China Series D: Earth Sciences</i> , <b>2009</b> , 52, 3668-3673		13
15	Requirement of ultra-high voltage GIS arrester to voltage gradient of metal-oxide varistor. <i>Science in China Series D: Earth Sciences</i> , <b>2009</b> , 52, 450-455		11
14	Dielectric spectroscopies of ZnO varistors with high voltage gradient under surge aging condition <b>2009</b> ,		1
13	Minimum Distance of Lightning Protection Between Insulator String and Line Surge Arrester in Parallel. <i>IEEE Transactions on Power Delivery</i> , <b>2009</b> , 24, 656-663	4.3	10
12	Effect of the mutual inductances among grounding conductors on the transient performance of grounding grids <b>2009</b> ,		1
11	Design and application of line surge arresters to improve lightning protection characteristics of transmission lines <b>2008</b> ,		4
10	Grading Structure Design of Surge Arrester for 1000-kV Ultra-high Voltage Air-insulated Substation <b>2008</b> ,		1
9	ZnO varistors with high voltage gradient and low leakage current by doping rare-earth oxide. <i>Science in China Series D: Earth Sciences</i> , <b>2008</b> , 51, 693-701		38



8	Discussions on Nonuniformity of Energy Absorption Capabilities of ZnO Varistors. <i>IEEE Transactions on Power Delivery</i> , <b>2007</b> , 22, 1523-1532	4-3	56
7	Microstructure Simulation on Puncturing Phenomenon of ZnO Varistor under High Current <b>2006</b> ,		1
6	Effect of Nonuniformities of Microstructure and Electrical Property of Grain Boundary to the Global Electrical Characteristics <b>2006</b> ,		2
5	Scattered Phenomenon of Energy Absorption Capabilities of ZnO Varistors <b>2006</b> ,		2
4	Development of polymeric surge ZnO arresters for 500-kV compact transmission line. <i>IEEE Transactions on Power Delivery</i> , <b>2006</b> , 21, 113-120	4-3	11
3	High Voltage Gradient ZnO Nonlinear Resistor Doped with Rare-Earth Oxide <b>2006</b> ,		3
2	The theory and implementation of corrosion diagnosis for grounding system		4
1	Novel method of corrosion diagnosis for grounding grid		5