Yoshimichi Ohki

List of Publications by Year
in descending order

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213	3,656	147801	168389
papers	citations	31 h-index	53 g-index

215	215	215	2282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum Chemical and Spectroscopic Study on Hydrogen Bonds in Hairpin DNA. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 43.	1.4	3
2	Broadband Complex Permittivity and Electric Modulus Spectra for Dielectric Materials Research. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 958-972.	1.4	16
3	Degradation of Flame-Retardant Cross-Linked Polyethylene Caused by Heat, Gamma-Rays, and Steam. IEEE Access, 2022, 10, 62164-62172.	4.2	8
4	Fillerâ€dependent changes in thermal, dielectric, and mechanical properties of epoxy resin nanocomposites. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 15-20.	1.4	8
5	Comparison of degradation behavior between soft and hard epoxy resins. Journal of Nuclear Science and Technology, 2021, 58, 620-628.	1.3	13
6	Effects of gamma irradiation on the degradation of silicone rubber by steam exposure. Journal of Nuclear Science and Technology, 2021, 58, 166-172.	1.3	21
7	Aging Behavior of Flame-retardant Cross-linked Polyolefin under Thermal and Radiation Stresses. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 303-309.	2.9	22
8	Spatial Resolution between Two Abnormalities in a Cable by Frequency Domain Reflectometry. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 822-826.	1.4	4
9	Various Characteristics of Severely Aged Flameâ€Retardant Crossâ€Linked Polyolefin. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 1556-1562.	1.4	12
10	Pros and Cons of THz and Far-infrared Absorption Spectroscopy for Dielectric Materials Research. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 521-526.	0.2	4
11	Insulation Performance of Safety-Related Electrical Penetrations for Pressurized Water Reactors under Simulated Severe Accident Conditions. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 552-559.	0.2	2
12	Inverse Proportionality of Thermal Conductivity and Complex Permittivity to Filler-Diameter in Epoxy Resin Composites with Silica. Journal of Composites Science, 2021, 5, 266.	3.0	2
13	Degradation of Soft Epoxy Resin for Cable Penetrations Induced by Simulated Severe Accidents. Energies, 2021, 14, 6932.	3.1	13
14	Effects of Resin/Filler Adhesion on the Thermal and Electrical Conductivity of Polyimide Nanocomposites. Journal of Composites Science, 2021, 5, 272.	3.0	3
15	Broadband Infrared Absorption Spectroscopy as a Tool for Dielectric Materials Research. , 2021, , .		0
16	Degradation of Flame-retardant Cross-linked Polyolefin Caused by Severe Aging Treatments. , 2021, , .		0
17	Comparison of the effects of heat and gamma irradiation on the degradation of crossâ€linked polyethylene. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 24-29.	1.4	17
18	Degradation of flameâ€retardant ethyleneâ€propyleneâ€diene rubber by radiation and steam. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 1572-1579.	1.4	15

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19	Effects of metal content on electrical and physical properties in solution-processed IGZO thin films. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	4
20	Dielectric properties of nanocomposites based on epoxy resin and HBP/plasma modified nanosilica. AIP Advances, 2020, 10, 045015.	1.3	5
21	Numerical evaluation of complex permittivity of silicone rubber based on Jonscher's law. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 658-662.	1.4	4
22	Degradation of Mechanical and Dielectric Properties of Flameâ€Retardant Ethylene Propylene Rubber by Thermal Aging. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 488-495.	1.4	16
23	Facile Synthesis of Isotactic Polyacrylonitrile via Template Polymerization in Interlayer Space for Dielectric Energy Storage. ACS Applied Polymer Materials, 2020, 2, 775-781.	4.4	7
24	Effects of Heat and Gamma-rays on Mechanical and Dielectric Properties of Cross-linked Polyethylene. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1998-2006.	2.9	21
25	Effects of Surface Treatment of Fillers on the Dielectric Properties of Polyimide Nanocomposites. , 2020, , .		1
26	Comparison of Three Mechanical Parameters as Aging Indicators of Polymeric Insulation. , 2020, , .		0
27	Terahertz and Far-infrared Absorption Spectroscopic Study of DNA Bases. , 2020, , .		2
28	Degradation mechanisms of silicone rubber under different aging conditions. Polymer Degradation and Stability, 2019, 168, 108936.	5.8	65
29	Origins of Chemiluminescence in Polymeric Insulating Materials. , 2019, , .		0
30	Evaluation of Aging Status of Flame-retardant Cross-linked Polyethylene by Measuring Indenter Modulus. , 2019, , .		0
31	Aging behavior of flameâ€retardant crossâ€linked polyethylene in nuclear power plant environments. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 1133-1138.	1.4	15
32	Rejuvenation of retired power cables by heat treatment. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 668-670.	2.9	16
33	Identification and quantification of phenol-type antioxidants in low-density polyethylene by broadband far-infrared spectroscopy. Polymer Testing, 2019, 76, 10-18.	4.8	4
34	Broadband FIR absorption spectra of lowâ€density polyethylene sheets containing six different antioxidants and estimation of their contents by chemometric analysis. High Voltage, 2019, 4, 161-166.	4.7	8
35	Degradation in Dielectric Behavior of Soft Epoxy Resin by Concurrent Aging with Heat and Radiation. , 2019, , .		0
36	Effects of interaction between filler and resin on the glass transition and dielectric properties of epoxy resin nanocomposites. IET Nanodielectrics, 2019, 2, 92-96.	4.1	17

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37	Degradation in Mechanical and Dielectric Properties of Silicone Rubber under Severe Aging Conditions. , 2019, , .		2
38	Relation Between the Glass Transition and Dielectric Properties in Bisphenol A and F Epoxy Resins. , 2019, , .		3
39	Terahertz absorption spectra of several polymer nanocomposites indicating polymer-filler interactions. AIP Advances, 2019, 9, .	1.3	8
40	How to Install TEMPO in Dielectric Polymersâ€"Their Rational Design toward Energyâ€Storable Materials. Macromolecular Rapid Communications, 2019, 40, e1800734.	3.9	17
41	Insulation Performance of Safety-related Cables for Nuclear Power Plants under Simulated Severe Accident Conditions. IEEJ Transactions on Fundamentals and Materials, 2019, 139, 54-59.	0.2	5
42	Terahertz spectroscopic analysis of crystal orientation in polymers. Japanese Journal of Applied Physics, 2018, 57, 050302.	1.5	7
43	Terahertz spectroscopic estimation of crystallinity of poly(phenylene sulfide). Journal of Applied Polymer Science, 2018, 135, 46427.	2.6	12
44	Identification of antioxidants in polymeric insulating materials by terahertz absorption spectroscopy. Polymer Degradation and Stability, 2018, 147, 284-290.	5.8	13
45	Aging State Analysis of Safety-related Cables for Nuclear Power Plants Exposed to Simulated Accident Conditions. , 2018, , .		3
46	Several Experimental Results Indicating Filler/Polymer Interactions in Polymer Nanocomposites. , 2018, , .		2
47	Location attempt of a degraded portion in a long polymer-insulated cable. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2461-2466.	2.9	23
48	Far-infrared Spectroscopic Identification of Seven Kinds of Antioxidants in Polymeric Insulation. , 2018, , .		0
49	Fluorescence imaging of Escherichia coli on a rotating optical disk. Japanese Journal of Applied Physics, 2018, 57, 088003.	1.5	2
50	Effects of ultraviolet photon irradiation and subsequent thermal treatments on solution-processed amorphous indium gallium zinc oxide thin films. AIP Advances, 2018, 8, .	1.3	4
51	Location Attempt of Multiple Heated Spots in a Polymer-insulated Coaxial Cable by Frequency Domain Reflectometry. , 2018, , .		4
52	Effects of Heat and Radiation Aging and Burning on the Surface Physical Properties of Polymer-Insulated Cables. , 2018, , .		1
53	Detection of abnormality occurring over the whole cable length by frequency domain reflectometry. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 2467-2469.	2.9	19
54	Far-infrared Spectroscopic Identification of Seven Kinds of Antioxidants in Polymeric Insulation. , 2018, , .		0

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55	Dielectric and relaxation properties of composites of epoxy resin and hyperbranched-polyester-treated nanosilica. RSC Advances, 2018, 8, 30669-30677.	3.6	13
56	Terahertz time-domain spectroscopic analyses on crystallinity of several organic polymers. , 2018, , .		0
57	Crystallinity of poly(ethylene naphthalate) and its relation to terahertz absorption. Japanese Journal of Applied Physics, 2017, 56, 032402.	1.5	11
58	Aging of poly(ether ether ketone) by heat and gamma rays â€" Its degradation mechanism and effects on mechanical, dielectric and thermal properties. Polymer Degradation and Stability, 2017, 142, 117-128.	5.8	31
59	Complex Permittivity Spectra of Various Insulating Polymers at Ultrawideâ€Band Frequencies. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2017, 198, 11-18.	0.4	12
60	Enhanced conductivity of polyaniline in the presence of nonionic amphiphilic polymers and their diverse morphologies. Journal of Applied Polymer Science, 2017, 134, 45547.	2.6	13
61	Detection of norovirus virus-like particles using a surface plasmon resonance-assisted fluoroimmunosensor optimized for quantum dot fluorescent labels. Biosensors and Bioelectronics, 2017, 93, 260-266.	10.1	70
62	Similarity in degradation behavior by heat and irradiation between ethylene-propylene-diene rubber and silicone rubber. , 2017, , .		4
63	Correlation between indenter modulus and elongation-at-break observed for four electrical insulating polymers. , 2017, , .		10
64	Insulation performance of safety-related cables for nuclear power plants under simulated severe accident conditions. , 2017, , .		4
65	Terahertz spectroscopic analysis of crystal growth in poly(ethylene naphthalate). Japanese Journal of Applied Physics, 2017, 56, 072401.	1.5	9
66	Farâ€Infrared Absorption of Deoxyribonucleic Acid with Thymine. Electronics and Communications in Japan, 2017, 100, 53-60.	0.5	2
67	Terahertz absorption spectroscopy of poly(ether ether ketone). , 2017, , .		2
68	Effects of addition of MgO fillers with various sizes and co-addition of nano-sized SiO2 fillers on the dielectric properties of epoxy resin. , 2017, , .		15
69	Dielectrophoresis-assisted SPRF illumination biosensor for selective detection of biological substances. , 2017, , .		0
70	Terahertz absorption spectra of polyphenylene sulfide sheets with different degrees of crystallinity. , 2017, , .		0
71	Experimental investigation of the degradation mechanism of silicone rubber exposed to heat and gamma rays. High Voltage, 2017, 2, 92-101.	4.7	56
72	Terahertz absorption spectra of antioxidants in insulating polymers. , 2017, , .		0

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73	A Significant Contribution of Dr. Hoashi to the Theory on Electric Circuits. , 2017, , .		0
74	Far-infrared Absorption of Deoxyribonucleic Acid with Thymine. IEEJ Transactions on Fundamentals and Materials, 2017, 137, 88-94.	0.2	0
75	Dielectric absorption behavior of YAlO3at terahertz frequencies. Japanese Journal of Applied Physics, 2017, 56, 102601.	1.5	8
76	Failure Aspects of Electronic Watt-hour Meters due to Direct Lightning Strikes to Distribution Lines. IEEJ Transactions on Power and Energy, 2017, 137, 766-776.	0.2	0
77	Terahertz Imaging of Iron Powder in Low Density Polyethylene Sheets. IEEJ Transactions on Fundamentals and Materials, 2017, 137, 311-312.	0.2	1
78	Effects of the structure and insulation material of a cable on the ability of a location method by FDR. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 77-84.	2.9	49
79	Terahertz spectroscopic diagnosis of degradation of ethylene-propylene-diene copolymer. , 2016, , .		0
80	A new method for estimating the content of vinyl acetate in ethylene-vinyl acetate copolymer. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1260-1265.	2.9	19
81	Electronic excitation and relaxation processes of oxygen vacancies in YSZ and their involvement in photoluminescence. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
82	Estimation of gel fraction of polyethylene cross-linked with silane by far-infrared absorption spectroscopy. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1500-1505.	2.9	9
83	A Monitoring Method of Additives in a Copper Sulfate Plating Solution Using a Near-Field Optical Sensor. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2016, 67, 575-580.	0.2	0
84	Structural change induced in LaAlO₃ by ion implantation. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 5-9.	1.4	1
85	Involvement of crystallinity in various luminescent bands in yttrium aluminate. Nuclear Instruments & Methods in Physics Research B, 2016, 366, 198-205.	1.4	8
86	Diagnosis of surface degradation of flame-retardant ethylene propylene diene copolymer by scanning probe microscopy. Journal of Nuclear Science and Technology, 2016, 53, 82-88.	1.3	10
87	Detection of Overheated Parts in Low-density Polyethylene by Terahertz Absorption Spectroscopy and Imaging. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 603-608.	0.2	4
88	Estimation of Talc Contents in Ethylene-Propylene-Diene Copolymer by Terahertz Absorption Spectroscopy. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 81-85.	0.2	8
89	Dielectric properties of three liquid crystal polymers. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, 609-613.	1.4	2
90	Space charges remaining in polymers after electron beam irradiation and the role of conductivity in their decay profiles. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, 237-241.	1.4	0

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91	Comparison of Dielectric Properties of Olefin Thermosetting Polydicyclopentadiene and Epoxy Resin. IEEJ Transactions on Fundamentals and Materials, 2015, 135, 82-87.	0.2	8
92	Terahertz and far-infrared spectroscopic estimation of vinyl acetate content in ethylene-vinyl acetate copolymer. , 2015, , .		2
93	Dielectric relaxation phenomena of several insulating polymers analyzed by electric modulus spectra. , 2015, , .		7
94	Terahertz spectroscopic observation of oxidation of ethylene-propylene-diene-copolymer. , 2015, , .		5
95	Experimental observations on the crystalline structures of YAlO3 single crystal at high temperatures. Applied Physics A: Materials Science and Processing, 2015, 119, 1423-1429.	2.3	6
96	Terahertz spectral change associated with glass transition of poly-Î¼-caprolactone. Journal of Applied Physics, 2015, 117, .	2.5	21
97	Development of Low Loss Magnetodielectric Nanocomposites of Epoxy Resin and Iron Nanoparticles. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2015, 190, 17-23.	0.4	3
98	Space Charge Formation and Charge Transport in Epoxy Resin at Varied Temperatures. IEEJ Transactions on Fundamentals and Materials, 2015, 135, 88-93.	0.2	26
99	Dielectric properties of poly(ethylene terephthalate) and poly(ethylene 2,6-naphthalate). IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 2310-2317.	2.9	18
100	Crystalline structures of YAlO<inf>3</inf> single crystal at high temperatures. , 2014, , .		2
101	Terahertz absorption spectra of oxidized polyethylene and their analysis by quantum chemical calculations. Japanese Journal of Applied Physics, 2014, 53, 092402.	1.5	35
102	Structural change induced in LaAlO<inf>3</inf> by ion implantation. , 2014, , .		0
103	Analysis on thermally stimulated currents in polyethylene-terephthalate and polyethylene-naphthalate. , 2014, , .		1
104	Electric modulus powerful tool for analyzing dielectric behavior. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 929-931.	2.9	141
105	Charge transport and electrode polarization in epoxy resin at high temperatures. Journal Physics D: Applied Physics, 2014, 47, 045311.	2.8	62
106	Precise location of the excessive temperature points in polymer insulated cables. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 2099-2106.	2.9	49
107	Charge transport characteristics in epoxy resin at high temperatures based on electrode polarization analysis. , 2013, , .		9
108	Space charges induced in polymers by electron beam irradiation and their decay profiles. , 2013, , .		1

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109	Experimental study on the dielectric properties of a liquid crystal polymer. , 2013, , .		0
110	Highly sensitive location method of an abnormal temperature point in a cable by frequency domain reflectometry. , 2013, , .		7
111	Comparisons of Partial Discharge Resistance and Dielectric Properties after Water Absorption between Polyetherimide and Aramid Insulating Papers. IEEJ Transactions on Fundamentals and Materials, 2013, 133, 51-56.	0.2	1
112	Factors Determining the Partial Discharge Resistance of Polymers. IEEJ Transactions on Fundamentals and Materials, 2013, 133, 75-80.	0.2	6
113	Development of Low Loss Magneto-Dielectric Nanocomposites of Epoxy Resin and Iron Nanoparticles. IEEJ Transactions on Fundamentals and Materials, 2013, 133, 668-673.	0.2	0
114	Chemiluminescence as a clear diagnostic tool of polymer oxidation. , 2012, , .		3
115	Frequency dependence of breakdown performance of XLPE with different artificial defects. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 1351-1359.	2.9	33
116	Terahertz spectroscopy as a novel method for diagnosing the integrity of polymer insulated cables. , 2012, , .		1
117	Experimental study on the factors determining the partial discharge resistance of polymers. , 2012, , .		3
118	Comparison of broadband impedance spectroscopy and time domain reflectometry for locating cable degradation. , 2012, , .		27
119	Improvement in sensitivity of broadband impedance spectroscopy for locating degradation in cable insulation by ascending the measurement frequency. , 2012, , .		23
120	Location Feasibility of Degradation in Cable through Fourier Transform Analysis of Broadband Impedance Spectra. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 122-128.	0.2	11
121	Optical Characterization and Computational Chemical Evaluation of Electronic Localized States in Polyolefin. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 760-766.	0.2	3
122	Terahertz Imaging of Water Trees Generated in Low-density Polyethylene. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 148-149.	0.2	0
123	High thermal conductivity epoxy/BN composites with sufficient dielectric breakdown strength. , 2011, , .		4
124	Development of epoxy/BN composites with high thermal conductivity and sufficient dielectric breakdown strength part II-breakdown strength. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1973-1983.	2.9	84
125	Observation of water trees using terahertz spectroscopy and time-domain imaging. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1570-1577.	2.9	37
126	Development of epoxy/BN composites with high thermal conductivity and sufficient dielectric breakdown strength partI - sample preparations and thermal conductivity. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1963-1972.	2.9	138

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127	The role of nano and micro particles on partial discharge and breakdown strength in epoxy composites. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 675-681.	2.9	71
128	Terahertz spectroscopy as a new tool for insulating material analysis and condition monitoring. IEEE Electrical Insulation Magazine, 2011, 27, 26-35.	0.8	59
129	Generation mechanism of electrochemical migration in printed wiring board insulation. IEEJ Transactions on Electrical and Electronic Engineering, 2011, 6, 200-206.	1.4	5
130	Effect of tacticity on the dielectric properties of polystyrene. IEEJ Transactions on Electrical and Electronic Engineering, 2011, 6, 299-303.	1.4	17
131	Effects of crystallinity on dielectric properties of poly(Lâ€lactide). Electronics and Communications in Japan, 2011, 94, 1-8.	0.5	19
132	High thermal conductivity epoxy/BN composites with sufficient dielectric breakdown strength. , 2011, , .		1
133	Diagnosis of cable aging by broadband impedance spectroscopy. , 2011, , .		27
134	Effects of ultraviolet photon irradiation on the transition metal impurities in LaAlO3. Journal of Applied Physics, 2011, 110, .	2.5	19
135	Experimental and numerical analyses of molecular vibrations in poly-ε-caprolactone at terahertz frequencies. , 2011, , .		1
136	Superiority of syndiotactic polystyrene as an electrical insulating polymer. , 2011, , .		2
137	Correlation between Mechanical and Dielectric Relaxation Processes in Epoxy Resin Composites with Nano- and Micro-fillers. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 1041-1047.	0.2	4
138	Effects of Temperature and Crystallinity on Partial Discharge Resistance of Polyâ€Lâ€lactic Acid. IEEJ Transactions on Electrical and Electronic Engineering, 2010, 5, 323-327.	1.4	3
139	Observation and Analysis of Molecular Vibration Modes in Polylactide at Terahertz Frequencies. Japanese Journal of Applied Physics, 2010, 49, 102402.	1.5	73
140	Comparison of nano-structuration effects in polypropylene among four typical dielectric properties. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 671-677.	2.9	36
141	Effects of nano-filler addition on partial discharge resistance and dielectric breakdown strength of Micro-Al₂O₃Epoxy composite. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 653-661.	2.9	151
142	Cr³⁺ Impurities and Photoluminescence in LaAlO₃. Japanese Journal of Applied Physics, 2010, 49, 091102.	1.5	15
143	Space charge behavior in multi-layered dielectrics with LDPE and LDPE/MgO nanocomposites. , 2010, , .		19
144	Tree initiation phenomena in nanostructured epoxy composites. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1509-1515.	2.9	59

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145	Space Charge Distributions in Two-layered LDPE/MgO Nanocomposites Exhibiting Superior Insulation Performance. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 349-354.	0.2	2
146	Nano-clay and micro-silica mixed composites for insulating materials for environmentally-conscious switchgear. , 2009, , .		4
147	Tree initiation and growth in LDPE/MgO nanocomposites and roles of nano fillers. , 2009, , .		13
148	Suppression of packet-like space charge formation in LDPE by the addition of magnesia nanofillers. , 2009, , .		11
149	Tree initiation characteristics of epoxy resin and epoxy/clay nanocomoposite. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1473-1480.	2.9	54
150	Superiority of dielectric properties of LDPE/MgO nanocomposites over microcomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1735-1742.	2.9	75
151	Tree initiation time evaluation of epoxy/silica composites by partial discharge detection. , 2009, , .		4
152	Role of nano-filler on partial discharge resistance and dielectric breakdown strength of micro-Al<inf>2</inf>O<inf>3</inf> / epoxy composites. , 2009, , .		6
153	Effects of Crystallinity on Dielectric Properties of Poly (L-lactide). IEEJ Transactions on Fundamentals and Materials, 2009, 129, 217-222.	0.2	13
154	Thermally Stimulated Current in Low-density Polyethylene/MgO Nanocomposite -On the Mechanism of its Superior Dielectric Properties-. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 97-102.	0.2	9
155	Improving Epoxy-based Insulating Materials with Nano-fillers toward Practical Application. Electrical Insulation, IEEE International Symposium on, 2008, , .	0.0	28
156	Photoluminescence in polyamide/mica and polyethylene/ MgO nanocomposites induced by ultraviolet photons. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 1215-1223.	2.9	7
157	Nano- and micro-filler combination enabling practical use of nanocomposite insulating materials. , 2008, , .		2
158	High field light emission in LDPE/MgO nanocomposite. , 2008, , .		8
159	Aiming at a more rigorous understanding in electrical insulating materials research. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 1201-1214.	2.9	9
160	Need for condition monitoring and diagnosis of electric wires and cables used in nuclear power plants. , 2008, , .		6
161	Terahertz Time-Domain Spectroscopic Analysis of Molecular Behavior in Polyamide Nanocomposites. Applied Physics Express, 2008, 1, 122401.	2.4	53
162	Possible mechanisms of superior resistance of polyamide nanocomposites to partial discharges and plasmas. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 161-169.	2.9	85

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163	Temperature Dependence of Complex Permittivity in Biodegradable Polybutylene Succinate. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 647-651.	0.2	17
164	Suppression of Charge Injection into LDPE by Addition of MgO Nanofillers. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 742-743.	0.2	7
165	Electrical Conduction and Dielectric Relaxation in Polyethylene Terephthalate Succinate. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 490-496.	0.2	4
166	Effect of Water Absorption Temperature on Space Charge Profiles in Paper/phenol-resin Composites for Printed Circuit Boards. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 585-590.	0.2	6
167	Aiming at a more rigorous understanding in electrical insulating materials research. , 2007, , .		0
168	Effects of Humidity and Temperature on Space Charge Distribution Profiles in Printed Circuit Board Insulations. , 2007, , .		4
169	Dielectric Properties of Polybutylene Succinate and Polybutylene Succinate Adipate. , 2007, , .		8
170	Effects of Ultraviolet Photon Irradiation on the Dielectric Properties of Biodegradable Polymers. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 115-120.	0.2	8
171	Partial Discharge Degradation of Several Biodegradable Polymers. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 459-466.	0.2	13
172	Effects of Humidity and Temperature on Space Charge Distribution Profiles in Printed Circuit Board Insulations. Journal of Japan Institute of Electronics Packaging, 2007, 10, 148-151.	0.1	0
173	Three-dimensional Space Charge Distribution in Glass Fiber/Epoxy Composites. , 2006, , .		5
174	Dielectric Properties of Low-Density Polyethylene/MgO Nanocomposites. , 2006, , .		6
175	Filler-content Dependence of Dielectric Properties of Low-Density Polyethylene/MgO Nanocomposites. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 1072-1077.	0.2	31
176	Preparation and Various Characteristics of Epoxy/Alumina Nanocomposites. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 1121-1127.	0.2	22
177	Treeing Phenomena in Epoxy/Alumina Nanocomposite and Interpretation by a Multi-core Model. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 1128-1135.	0.2	73
178	Mechanisms of several photoluminescence bands in hafnium and zirconium silicates induced by ultraviolet photons. Journal of Applied Physics, 2006, 99, 094106.	2.5	16
179	Effect of Water Treatment Temperature on Space Charge Profiles in Printed Circuit Board Insulations. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 709-715.	0.2	9
180	High Resolution Three-dimensional Space Charge Distribution Measurement System. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 185-190.	0.2	1

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181	Effect of Glass Transition on Electrical Conduction Characteristics of Poly-L-lactic Acid. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 254-260.	0.2	21
182	Synthesis and characterization of metal-dielectric composites with copper nanoparticles embedded in a glass matrix: A multitechnique approach. Journal of Applied Physics, 2005, 98, 054301.	2.5	18
183	Temperature effects on luminescence properties of Cr3+ ions in alkali gallium silicate nanostructured media. Journal of Applied Physics, 2005, 98, 054302.	2.5	10
184	Similarities in photoluminescence in hafnia and zirconia induced by ultraviolet photons. Journal of Applied Physics, 2005, 97, 054104.	2.5	71
185	Development of a Sub-micron Processing Method with Ion Implantation. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 69-70.	0.2	1
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