

Masahiro Kozako

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

528
citations

1684188
5
h-index

1474206
9
g-index

59
all docs

59
docs citations

59
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of epoxy/BN composites with high thermal conductivity and sufficient dielectric breakdown strength part I - sample preparations and thermal conductivity. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1963-1972.	2.9	138
2	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
3	Preparation and evaluation of epoxy composite insulating materials toward high thermal conductivity. , 2010, , .		33
4	Effects of addition of nano-scale alumina and silica fillers on thermal conductivity and dielectric strength of epoxy / alumina microcomposites. , 2010, , .		17
5	Fabrication and evaluation of SiC inverter using SiC-MOSFET. , 2013, , .		14
6	Low thermal fault gases of various natural monoesters and comparison with mineral oil. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3421-3428.	2.9	14
7	Classification of Partial Discharge Sources using Waveform Parameters and Phase-Resolved Partial Discharge Pattern as Input for the Artificial Neural Network. , 2018, , .		14
8	New Partial Discharge location method in power transformer based on acoustic wave propagation characteristics using numerical simulation. , 2012, , .		11
9	Experimental investigation on erosion resistance and hydrophobicity of silicone rubber nanocomposite. , 2013, , .		9
10	Electric field grading of gas insulated switchgears with microvaristor composites. , 2015, , .		9
11	Comparison performance of Si-IGBT and SiC-MOSFET used for high efficiency inverter of contactless power transfer system. , 2015, , .		9
12	Partial Discharge Waveform Identification using Image with Convolutional Neural Network. , 2019, , .		9
13	Comparison of dielectric properties among polydicyclopentadiene resin, epoxy resin and their composites with micro-sized SiO ₂ fillers. , 2014, , .		8
14	Comparison of Dielectric Properties of Olefin Thermosetting Polydicyclopentadiene and Epoxy Resin. IEEJ Transactions on Fundamentals and Materials, 2015, 135, 82-87.	0.2	8
15	Basic study on partial discharge location in power module. , 2016, , .		8
16	Construction and Experimental Verification of Novel Online Partial Discharge Monitoring System Using Power Line Communication. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 2165-2171.	2.9	8
17	Characteristics of PD induced electromagnetic wave propagating through T-branch of 154 kV GIS in the presence of epoxy spacer. , 2012, , .		7
18	Determination of Type of Partial Discharge in Cubicle-Type Gas Insulated Switchgear (C-GIS) using Artificial Neural Network. , 2018, , .		7

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19	Basic Study on Partial Discharge Detection with High Sensitivity using Ferrite Core. , 2018, , .		7
20	Fundamental study on partial discharge induced acoustic wave propagation in simulated transformer composite insulation system. , 2009, , .		6
21	Repetitive impulse voltage generator development and waveform analysis for testing insulation dignity of inverter-fed low voltage motor. , 2015, , .		6
22	Effect of permittivity variation on surface flashover of GIS epoxy spacer model in SF ₆ gas. , 2016, , .		6
23	High accuracy partial discharge location in power module using multiple loop sensors. , 2017, , .		6
24	Consideration of Generation Mechanism of Low Frequency Component of Partial Discharge Signal Detected by Transient Earth Voltage. , 2018, , .		6
25	Effect of excitation current waveform on PD induced electromagnetic wave propagation and attenuation in straight 154 kV GIS model tank with epoxy spacers. , 2012, , .		5
26	Effect of X-ray irradiation on partial discharge inception and extinction voltage characteristics of cast resin transformer insulation system. , 2013, , .		5
27	Study on the formation of microvaristor chains in composite varistors and their electrical characteristics. , 2014, , .		5
28	Characterization of contactless power transfer system and investigation of core shape for AGV application. , 2015, , .		5
29	High thermal conductivity epoxy/BN composites with sufficient dielectric breakdown strength. , 2011, , .		4
30	Development of a new package for next generation power semiconductor devices: Toward high temperature and high voltage applications. , 2013, , .		4
31	PD properties and gases generated by palm fatty acids esters (PFAE) oil. , 2016, , .		4
32	Identification of Partial Discharge Source in Power Apparatus in Practical Substation Utilizing Artificial Neural Network. Lecture Notes in Electrical Engineering, 2020, , 643-652.	0.4	4
33	Nano SiO ₂ /epoxy coating effect on creepage discharge characteristics in oil/pressboard composite insulation system. , 2016, , .		3
34	Comparison of sensor detection sensitivity in Repetitive Partial Discharge Inception Voltage measurement for twisted pair placed in stator. , 2016, , .		3
35	Impulse and subsequent AC partial discharge properties in cast resin transformer. , 2016, , .		3
36	Electrical insulation performance evaluation of PVF wire under thermal and electrical accelerated aging. , 2017, , .		3

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37	Estimation of Internal Pressure of Vacuum Interrupter by Measuring Partial Discharge Current. , 2018, , .		3
38	Application of Novel Online Partial Discharge Monitoring System Using Power Line Communication to Noise and PD Source Discrimination. , 2020, , .		3
39	Construction of Novel Online Partial Discharge Monitoring System in Model Power Apparatus Using Power Line Communication. Lecture Notes in Electrical Engineering, 2020, , 635-642.	0.4	3
40	Thermal Resistance and Transient Thermal Analysis of SiC Power Module Using Ni Micro Plating Bonding. IEEJ Transactions on Industry Applications, 2019, 139, 838-846.	0.2	3
41	Partial Discharge Inception Voltage of Enameled Cellular Wire under Impulse Voltage. , 2018, , .		3
42	Simulation on the formation of microvaristor chains in liquid epoxy resin under electric field. , 2014, , .		2
43	Effect of X-ray irradiation on partial discharge inception and extinction characteristics in cast resin transformer. , 2015, , .		2
44	Evaluation of novel impulse voltage generator for qualification test of IEC60034-18-42. , 2015, , .		2
45	Partial discharge properties of resin molded insulation substrate after long term voltage application. , 2016, , .		2
46	Study on streaming electrification properties of palm fatty acid ester (PFAE) oil due to aging. , 2016, , .		2
47	Partial Discharge Location in Cast Resin Transformer by Multiple Small Loop Sensors. , 2018, , .		2
48	Detecting Vacuum Degree Condition of Vacuum Interrupter by Partial Discharge Measurement. , 2019, , .		2
49	Propagation Characteristics of Partial Discharge Radiated Electromagnetic Waves for Insulation Diagnosis of Oil-Filled Bushing. Lecture Notes in Electrical Engineering, 2020, , 662-672.	0.4	2
50	Partial discharge endurance test on several kinds of nano-filled enameled wires under high-frequency AC voltage simulating inverter surge voltage. , 2009, , .		1
51	High thermal conductivity epoxy/BN composites with sufficient dielectric breakdown strength. , 2011, , .		1
52	Study of partial discharge induced electromagnetic wave propagation property in power transformer model. , 2012, , .		1
53	Dielectric properties and creepage discharge of epoxy/silica nanocomposite in mineral oil. , 2017, , .		1
54	Partial Discharge Inception Voltage of Enameled Cellular Wire under Impulse Voltage. , 2018, , .		1

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55	Discussion on Partial Discharge Measurement Technique of Cable Joint in Three Phase High Voltage Overhead Transmission Line. , 2018, , .		0
56	Diagnostics for Vacuum Degree of Vacuum Interrupter Based on Partial Discharge Mechanisms Under Medium Vacuum Level. Lecture Notes in Electrical Engineering, 2020, , 673-683.	0.4	0
57	Partial Discharge Measurement and Its High Frequency Characteristics in Cast Resin Transformer. Lecture Notes in Electrical Engineering, 2020, , 653-661.	0.4	0
58	Research Trends in Online Partial Discharge Monitoring and Diagnosis Utilizing ICT in Electric Power Equipment. , 2021, , .		0
59	Examination of Insulation Diagnosis in Substation by Neural Network with Phase-resolved Partial Discharge Pattern Reconstruction. IEEJ Transactions on Fundamentals and Materials, 2022, 142, 94-100.	0.2	0