

Masahiro Kozako

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Research Trends in Online Partial Discharge Monitoring and Diagnosis Utilizing ICT in Electric Power Equipment. , 2021, , .		0
3	Application of Novel Online Partial Discharge Monitoring System Using Power Line Communication to Noise and PD Source Discrimination. , 2020, , .		3
4	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.	1.8	8
5	Identification of Partial Discharge Source in Power Apparatus in Practical Substation Utilizing Artificial Neural Network. Lecture Notes in Electrical Engineering, 2020, , 643-652.	0.3	4
6	Construction of Novel Online Partial Discharge Monitoring System in Model Power Apparatus Using Power Line Communication. Lecture Notes in Electrical Engineering, 2020, , 635-642.	0.3	3
7	Propagation Characteristics of Partial Discharge Radiated Electromagnetic Waves for Insulation Diagnosis of Oil-Filled Bushing. Lecture Notes in Electrical Engineering, 2020, , 662-672.	0.3	2
8	Diagnostics for Vacuum Degree of Vacuum Interrupter Based on Partial Discharge Mechanisms Under Medium Vacuum Level. Lecture Notes in Electrical Engineering, 2020, , 673-683.	0.3	0
9	Partial Discharge Measurement and Its High Frequency Characteristics in Cast Resin Transformer. Lecture Notes in Electrical Engineering, 2020, , 653-661.	0.3	0
10	Detecting Vacuum Degree Condition of Vacuum Interrupter by Partial Discharge Measurement. , 2019, , .		2
11	Partial Discharge Waveform Identification using Image with Convolutional Neural Network. , 2019, , .		9
12	Thermal Resistance and Transient Thermal Analysis of SiC Power Module Using Ni Micro Plating Bonding. IEEJ Transactions on Industry Applications, 2019, 139, 838-846.	0.1	3
13	Partial Discharge Inception Voltage of Enameled Cellular Wire under Impulse Voltage. , 2018, , .		1
14	Estimation of Internal Pressure of Vacuum Interrupter by Measuring Partial Discharge Current. , 2018, , .		3
15	Discussion on Partial Discharge Measurement Technique of Cable Joint in Three Phase High Voltage Overhead Transmission Line. , 2018, , .		0
16	Determination of Type of Partial Discharge in Cubicle-Type Gas Insulated Switchgear (C-GIS) using Artificial Neural Network. , 2018, , .		7
17	Classification of Partial Discharge Sources using Waveform Parameters and Phase-Resolved Partial Discharge Pattern as Input for the Artificial Neural Network. , 2018, , .		14
18	Basic Study on Partial Discharge Detection with High Sensitivity using Ferrite Core. , 2018, , .		7

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19	Partial Discharge Location in Cast Resin Transformer by Multiple Small Loop Sensors. , 2018, , .		2
20	Consideration of Generation Mechanism of Low Frequency Component of Partial Discharge Signal Detected by Transient Earth Voltage. , 2018, , .		6
21	Partial Discharge Inception Voltage of Enameled Cellular Wire under Impulse Voltage. , 2018, , .		3
22	High accuracy partial discharge location in power module using multiple loop sensors. , 2017, , .		6
23	Dielectric properties and creepage discharge of epoxy/silica nanocomposite in mineral oil. , 2017, , .		1
24	Electrical insulation performance evaluation of PVF wire under thermal and electrical accelerated aging. , 2017, , .		3
25	Effect of permittivity variation on surface flashover of GIS epoxy spacer model in SF ₆ gas. , 2016, , .		6
26	Low thermal fault gases of various natural monoesters and comparison with mineral oil. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3421-3428.	1.8	14
27	PD properties and gases generated by palm fatty acids esters (PFAE) oil. , 2016, , .		4
28	Nano SiO ₂ /epoxy coating effect on creepage discharge characteristics in oil/pressboard composite insulation system. , 2016, , .		3
29	Comparison of sensor detection sensitivity in Repetitive Partial Discharge Inception Voltage measurement for twisted pair placed in stator. , 2016, , .		3
30	Partial discharge properties of resin molded insulation substrate after long term voltage application. , 2016, , .		2
31	Study on streaming electrification properties of palm fatty acid ester (PFAE) oil due to aging. , 2016, , .		2
32	Basic study on partial discharge location in power module. , 2016, , .		8
33	Impulse and subsequent AC partial discharge properties in cast resin transformer. , 2016, , .		3
34	Effect of X-ray irradiation on partial discharge inception and extinction characteristics in cast resin transformer. , 2015, , .		2
35	Repetitive impulse voltage generator development and waveform analysis for testing insulation dignity of inverter-fed low voltage motor. , 2015, , .		6
36	Comparison of Dielectric Properties of Olefin Thermosetting Polydicyclopentadiene and Epoxy Resin. IEEJ Transactions on Fundamentals and Materials, 2015, 135, 82-87.	0.2	8

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37	Electric field grading of gas insulated switchgears with microvaristor composites. , 2015, , .		9
38	Evaluation of novel impulse voltage generator for qualification test of IEC60034-18-42. , 2015, , .		2
39	Characterization of contactless power transfer system and investigation of core shape for AGV application. , 2015, , .		5
40	Comparison performance of Si-IGBT and SiC-MOSFET used for high efficiency inverter of contactless power transfer system. , 2015, , .		9
41	Comparison of dielectric properties among polydicyclopentadiene resin, epoxy resin and their composites with microsized SiO ₂ fillers. , 2014, , .		8
42	Simulation on the formation of microvaristor chains in liquid epoxy resin under electric field. , 2014, , .		2
43	Study on the formation of microvaristor chains in composite varistors and their electrical characteristics. , 2014, , .		5
44	Fabrication and evaluation of SiC inverter using SiC-MOSFET. , 2013, , .		14
45	Effect of X-ray irradiation on partial discharge inception and extinction voltage characteristics of cast resin transformer insulation system. , 2013, , .		5
46	Development of a new package for next generation power semiconductor devices: Toward high temperature and high voltage applications. , 2013, , .		4
47	Experimental investigation on erosion resistance and hydrophobicity of silicone rubber nanocomposite. , 2013, , .		9
48	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
49	Characteristics of PD induced electromagnetic wave propagating through T-branch of 154 kV GIS in the presence of epoxy spacer. , 2012, , .		7
50	New Partial Discharge location method in power transformer based on acoustic wave propagation characteristics using numerical simulation. , 2012, , .		11
51	Study of partial discharge induced electromagnetic wave propagation property in power transformer model. , 2012, , .		1
52	High thermal conductivity epoxy/BN composites with sufficient dielectric breakdown strength. , 2011, , .		4
53	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.	1.8	84
54	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.	1.8	138

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55	High thermal conductivity epoxy/BN composites with sufficient dielectric breakdown strength. , 2011, , .		1
56	Effects of addition of nano-scale alumina and silica fillers on thermal conductivity and dielectric strength of epoxy / alumina microcomposites. , 2010, , .		17
57	Preparation and evaluation of epoxy composite insulating materials toward high thermal conductivity. , 2010, , .		33
58	Partial discharge endurance test on several kinds of nano-filled enameled wires under high-frequency AC voltage simulating inverter surge voltage. , 2009, , .		1
59	Fundamental study on partial discharge induced acoustic wave propagation in simulated transformer composite insulation system. , 2009, , .		6