

Victor Belko

List of Publications by Year in descending order

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Version: 2024-02-01

34
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34
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34
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34
times ranked

63
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-healing in segmented metallized film capacitors: Experimental and theoretical investigations for engineering design. Journal of Applied Physics, 2016, 119, .	2.5	32
2	Current Pulse Polarity Effect on Metallized Film Capacitors Failure. IEEE Transactions on Plasma Science, 2017, 45, 1020-1025.	1.3	24
3	Self-Healing Processes of Metallized Film Capacitors in Overload Modes – Part 1: Experimental Observations. IEEE Transactions on Plasma Science, 2021, 49, 1580-1587.	1.3	18
4	The dynamic characteristics of self-healing processes in metal film capacitors. Russian Electrical Engineering, 2007, 78, 138-142.	0.6	15
5	Nanosecond electric explosion of thin aluminum films. Technical Physics Letters, 2009, 35, 861-864.	0.7	12
6	Pattern Formation in Electrical Exploding of Thin Metal Films. IEEE Transactions on Plasma Science, 2013, 41, 961-966.	1.3	12
7	Metallized film capacitors degradation under high electrodynamic load. , 2017, , .		10
8	Numerical Simulation of Discharge Activity in HV Rotating Machine Insulation. , 2019, , .		10
9	Energy characteristics of self-healing process in metallized film capacitors. E3S Web of Conferences, 2019, 140, 02006.	0.5	10
10	The experimental investigation and numerical simulation of self-healing in metallized film capacitors. , 2016, , .		9
11	The Diagnostics of Metallized Film Capacitors under Soft Training Test. , 2020, , .		9
12	Study of Characteristics of Vibration Sparking in HV Rotating Machine Insulation. , 2019, , .		7
13	Application of Numerical Simulation for Metallized Film Capacitors Electrodes Design. IEEE Access, 2021, 9, 80945-80952.	4.2	7
14	Self-Healing Processes of Metallized Film Capacitors in Overload Modes – Part II: Theoretical and Computer Modeling. IEEE Transactions on Plasma Science, 2021, 49, 1898-1905.	1.3	7
15	A study of nanosecond arcsurface flashover in metallized polymer films. , 2013, , .		5
16	Critical Parameters of Metallized Film Capacitor – Failure. , 2018, , .		4
17	Numerical Simulation of Electro-Thermal Processes in Multilayer Ceramic Capacitors. , 2019, , .		4
18	Influence of Demetallization Processes on Capacitor Grade Polymer Films Breakdown Strength. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	Partial discharge measurements by means of electrical and acoustic methods. , 2017, , .		3
20	Segmented electrodes electrodynamic destruction in metallized film capacitors. , 2017, , .		3
21	Critical Parameters of Metallized Film Capacitorâ€™s Failure. , 2018, , .		3
22	Matrix method of surface charge distribution measurement for PD series prediction and recognition. , 2016, , .		2
23	Performance of BaTiO<inf>3</inf>-based Multilayer Ceramic Capacitors under High AC Loads. , 2018, , .		2
24	Efficiency Evaluation of Electrodes Segmentation Patterns for Metallized Film Capacitors. , 2020, , .		2
25	A Model of Capacitance Frequency Dispersion caused by Degradation of Metal Film Capacitors End Connections. , 2018, , .		1
26	A Model of Capacitance Frequency Dispersion caused by Degradation of Metal Film Capacitors End Connections. , 2018, , .		1
27	Investigation of Chip-Film Capacitors Pulse Dielectric Strength. , 2019, , .		1
28	Numerical Investigation of Electrodes Segmentation Patterns for Metal-Film Capacitors. , 2020, , .		1
29	Technique for Calculating the Thermal Conductivity Coefficient of the Insulation System. , 2021, , .		1
30	Influence of current overload mode on metal-film capacitor parameters. , 2017, , .		0
31	Performance of Metal-Film Capacitors in Current Overload Mode. , 2018, , .		0
32	Electromigration Effect in Segmented Electrodes of Metallized Film Capacitors. , 2021, , .		0
33	Breakdown Strength of Polypropylene Films Demetallized by High-Power Surface Discharge. , 2021, , .		0
34	Performance of Metal-Film Capacitors in Current Overload Mode. , 2018, , .		0