Michael Beltle

List of Publications by Year
in descending order

26 papers	313 citations	1040056 9 h-index	940533 16 g-index
26 all docs	26 docs citations	26 times ranked	261 citing authors

#	Article	IF	Citations
1	Experimental Analysis of Ultra-High-Frequency Signal Propagation Paths in Power Transformers. Energies, 2022, 15, 2766.	3.1	6
2	EMI Suppression of a DCâ€“DC Converter Using Predictive Pulsed Compensation. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 2134-2142.	2.2	4
3	Attenuation of UHF Signals in a 420ÂkV Power Transformer Based on Experiments and Simulation. Lecture Notes in Electrical Engineering, 2020, , 1276-1285.	0.4	1
4	Quantitative Analysis of the Sensitivity of UHF Sensor Positions on a 420 kV Power Transformer Based on Electromagnetic Simulation. Energies, 2020, 13, 3.	3.1	12
5	Study of the Influence of Winding and Sensor Design on Ultra-High Frequency Partial Discharge Signals in Power Transformers. Sensors, 2020, 20, 5113.	3.8	8
6	Online and On-site Partial Discharge Measurement of Long Length Power Cables by Using Joints with Integrated PD Sensors. Lecture Notes in Electrical Engineering, 2020, , 219-231.	0.4	1
7	Bandwidth and Detection Sensitivity Analysis of Integrated Capacitive PD Sensors for Pre-Molded Cable Joints. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 2156-2164.	2.9	6
8	Improvement of Predictive Pulsed Compensation using Adapted Synchronization. , 2020, , .		1
9	Combined Characterization of Free-Moving Particles in HVDC-GIS Using UHF PD, High-Speed Imaging, and Pulse-Sequence Analysis. IEEE Transactions on Power Delivery, 2019, 34, 1540-1548.	4.3	22
10	An Active Common Mode EMI Filter Approach introducing Predictive Pulsed Compensation. , 2019, , .		5
11	Calibration Proposal for UHF Partial Discharge Measurements at Power Transformers. Energies, 2019, 12, 3058.	3.1	25
12	Positioning of UHF PD Sensors on Power Transformers Based on the Attenuation of UHF Signals. IEEE Transactions on Power Delivery, 2019, 34, 1520-1529.	4.3	23
13	Simultaneous Electrical, UHF, Current and Optical PD Measurements on Floating Potential under DC Stress. , 2019, , .		0
14	UHF-PD Measurement and High-Speed-Imaging of Firefly Motion at the Positive Electrode in HVDC-GIS. , 2019, , .		0
15	Automated Filter Optimization for High-Voltage Cable Harness Based on Circuit Simulations for Conducted Emissions Prediction. , 2018, , .		2
16	Application of UHF sensors for PD measurement at power transformers. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 331-339.	2.9	93
17	PD monitoring of power transformers by UHF sensors. , 2017, , .		8
18	Transient co-simulation of electromagnetic emissions caused by a SiC traction inverter. , 2017, , .		8

#	Article	IF	Citations
19	Sensitivity analysis of behavioral MOSFET models in transient EMC simulation. , 2017, , .		7
20	Power transformer diagnosis based on mechanical oscillations due to AC and DC currents. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1515-1522.	2.9	10
21	Characterization of UHF PD sensors for power transformers using an oil-filled GTEM cell. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1580-1588.	2.9	21
22	Discrimination of partial discharge sources in the UHF domain. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1068-1075.	2.9	15
23	Radiated Emissions of an Electric Drive System Estimated on a Bench Using Disturbance Currents and Transfer Functions. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 311-321.	2.2	8
24	Usability of vibration measurement for power transformer diagnosis and monitoring. , 2012, , .		11
25	Analysis of UHF PD monitoring data by means of normalized cross-correlation. , 2012, , .		1
26	Statistical analysis of online ultrahigh-frequency partial-discharge measurement of power transformers. IEEE Electrical Insulation Magazine, 2012, 28, 17-22.	0.8	15