

# Michael Beltle

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Application of UHF sensors for PD measurement at power transformers. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 331-339.	2.9	93
2	Calibration Proposal for UHF Partial Discharge Measurements at Power Transformers. Energies, 2019, 12, 3058.	3.1	25
3	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
4	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
5	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
6	Statistical analysis of online ultrahigh-frequency partial-discharge measurement of power transformers. IEEE Electrical Insulation Magazine, 2012, 28, 17-22.	0.8	15
7	Discrimination of partial discharge sources in the UHF domain. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1068-1075.	2.9	15
8	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
9	Usability of vibration measurement for power transformer diagnosis and monitoring. , 2012, , .		11
10	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
11	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
12	PD monitoring of power transformers by UHF sensors. , 2017, , .		8
13	Transient co-simulation of electromagnetic emissions caused by a SiC traction inverter. , 2017, , .		8
14	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
15	Sensitivity analysis of behavioral MOSFET models in transient EMC simulation. , 2017, , .		7
16	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
17	Experimental Analysis of Ultra-High-Frequency Signal Propagation Paths in Power Transformers. Energies, 2022, 15, 2766.	3.1	6
18	An Active Common Mode EMI Filter Approach introducing Predictive Pulsed Compensation. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	EMI Suppression of a DC-DC Converter Using Predictive Pulsed Compensation. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 2134-2142.	2.2	4
20	Automated Filter Optimization for High-Voltage Cable Harness Based on Circuit Simulations for Conducted Emissions Prediction. , 2018, , .		2
21	Analysis of UHF PD monitoring data by means of normalized cross-correlation. , 2012, , .		1
22	Attenuation of UHF Signals in a 420kV Power Transformer Based on Experiments and Simulation. Lecture Notes in Electrical Engineering, 2020, , 1276-1285.	0.4	1
23	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
24	Improvement of Predictive Pulsed Compensation using Adapted Synchronization. , 2020, , .		1
25	Simultaneous Electrical, UHF, Current and Optical PD Measurements on Floating Potential under DC Stress. , 2019, , .		0
26	UHF-PD Measurement and High-Speed-Imaging of Firefly Motion at the Positive Electrode in HVDC-GIS. , 2019, , .		0