

Alessandro Mingotti

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

395
citations

840585

11
h-index

940416

16
g-index

51
all docs

51
docs citations

51
times ranked

221
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Proximity, Burden, and Position on the Power Quality Accuracy Performance of Rogowski Coils. <i>Sensors</i> , 2022, 22, 397.	2.1	4
2	Accuracy Type Test for Rogowski Coils Subjected to Distorted Signals, Temperature, Humidity, and Position Variations. <i>Sensors</i> , 2022, 22, 1397.	2.1	8
3	Simplified and Low-Cost Characterization of Medium-Voltage Low-Power Voltage Transformers in the Power Quality Frequency Range. <i>Sensors</i> , 2022, 22, 2274.	2.1	4
4	Combined Effect of Temperature and Humidity on Distorted Currents Measured by Rogowski Coils. , 2022, , .		1
5	Measurement Procedure to Investigate Ageing of Low-Power Voltage Transformers. , 2022, , .		0
6	Effects on the Accuracy Performance of Rogowski Coils Due to Temperature and Humidity. , 2022, , .		2
7	Effect of the Conductor Positioning on Low-Power Current Transformers: Inputs for the Next IEC 61869-10. <i>Electricity</i> , 2021, 2, 1-12.	1.4	1
8	Modeling Stray Capacitances of High-Voltage Capacitive Dividers for Conventional Measurement Setups. <i>Energies</i> , 2021, 14, 1262.	1.6	4
9	Modeling Capacitive Low-Power Voltage Transformer Behavior over Temperature and Frequency. <i>Sensors</i> , 2021, 21, 1719.	2.1	11
10	Characterization Procedure for Stand-Alone Merging Units Based on Hardware-in-the-Loop Technology. <i>Energies</i> , 2021, 14, 1993.	1.6	1
11	Closed-Form Expressions to Estimate the Mean and Variance of the Total Vector Error. <i>Energies</i> , 2021, 14, 4641.	1.6	1
12	Low-Impact Current-Based Distributed Monitoring System for Medium Voltage Networks. <i>Energies</i> , 2021, 14, 5308.	1.6	1
13	On the Importance of Characterizing Virtual PMUs for Hardware-in-the-Loop and Digital Twin Applications. <i>Sensors</i> , 2021, 21, 6133.	2.1	4
14	External Magnetic Fields Effect on Harmonics Measurements with Rogowski coils. , 2021, , .		2
15	Design, Development, and Characterization of a Low-Voltage Network Monitoring Unit. , 2021, , .		0
16	Effects of Thermal Cycles on Interfacial Pressure in MV Cable Joints. <i>Sensors</i> , 2020, 20, 169.	2.1	9
17	Analysis of White Noise on Power Frequency Estimation by DFT-Based Frequency Shifting and Filtering Algorithm. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 4125-4133.	2.4	37
18	Analysis of Ratio and Phase Errors over Time for Low Power Voltage Transformers. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	A Smart Frequency Domain-Based Modeling Procedure of Rogowski Coil for Power Systems Applications. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6748-6755.	2.4	11
20	Toward the Standardization of Limits to Offset and Noise in Electronic Instrument Transformers. Sensors, 2020, 20, 4061.	2.1	1
21	Low-Power Voltage Transformer Smart Frequency Modeling and Output Prediction up to 2.5 kHz, Using Sinc-Response Approach. Sensors, 2020, 20, 4889.	2.1	7
22	On the Long-Period Accuracy Behavior of Inductive and Low-Power Instrument Transformers. Sensors, 2020, 20, 5810.	2.1	16
23	Effects of Multiple Influence Quantities on Rogowski-Coil-Type Current Transformers. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4827-4834.	2.4	18
24	Noise Analysis on Frequency Shifting and Filtering Algorithm-Based Phasor Estimator. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6739-6747.	2.4	3
25	Smart Characterization of Rogowski Coils by Using a Synthetized Signal. Sensors, 2020, 20, 3359.	2.1	14
26	Calibration Procedure to Test the Effects of Multiple Influence Quantities on Low-Power Voltage Transformers. Sensors, 2020, 20, 1172.	2.1	4
27	Are Inductive Current Transformers Performance Really Affected by Actual Distorted Network Conditions? An Experimental Case Study. Sensors, 2020, 20, 927.	2.1	23
28	A General Easy-to-Use Expression for Uncertainty Evaluation in Residual Voltage Measurement. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1576-1584.	2.4	6
29	Testing of Electrical Energy Meters Subject to Realistic Distorted Voltages and Currents. Energies, 2020, 13, 2023.	1.6	11
30	A Closed-form Expression to Estimate the Uncertainty of THD Starting from the LPIT Accuracy Class. Sensors, 2020, 20, 1804.	2.1	1
31	Effect of White Noise on Phase Estimation by Frequency Shifting and Filtering Algorithm. , 2019, , .		1
32	Test Bed Characterization for the Interfacial Pressure vs. Temperature Measurements in MV Cable-Joints. , 2019, , .		2
33	Effects of Mechanical Pressure on the Tangent Delta of MV Cable Joints. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2656-2658.	2.4	14
34	Use of COMTRADE Fault Current Data to Test Inductive Current Transformers. , 2019, , .		5
35	Effects of Temperature on MV Cable Joints Tan Delta Measurements. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3892-3898.	2.4	19
36	A Simple Calibration Procedure for an LPIT plus PMU System Under Off-Nominal Conditions. Energies, 2019, 12, 4645.	1.6	10

#	ARTICLE	IF	CITATIONS
37	Uncertainty Analysis of a Test Bed for Calibrating Voltage Transformers vs. Temperature. Sensors, 2019, 19, 4472.	2.1	4
38	A Simple Modelling Procedure of Rogowski Coil for Power Systems Applications. , 2019, , .		6
39	Uncertainty Analysis of an Equivalent Synchronization Method for Phasor Measurements. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2444-2452.	2.4	10
40	Accuracy Evaluation of an Equivalent Synchronization Method for Assessing the Time Reference in Power Networks. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 600-606.	2.4	12
41	Uncertainty sources analysis of a calibration system for the accuracy vs. temperature verification of voltage transformers. Journal of Physics: Conference Series, 2018, 1065, 052041.	0.3	13
42	Monitoring Cable current and Laying Environment Parameters for Assessing the Aging Rate of MV Cable Joint Insulation. , 2018, , .		6
43	Performance evaluation of an energy meter for low-voltage system monitoring. Journal of Physics: Conference Series, 2018, 1065, 052032.	0.3	8
44	Low-Cost Monitoring Unit for MV Cable Joints Diagnostics. , 2018, , .		6
45	Test Setup Design, and Calibration for Tan Delta Measurements on MV Cable Joints. , 2018, , .		6
46	Calibration of Synchronized Measurement System: from the Instrument Transformer to the PMU. , 2018, , .		16
47	Low power voltage transformer accuracy class effects on the residual voltage measurement. , 2018, , .		6
48	Effect of temperature on the accuracy of inductive current transformers. , 2018, , .		13
49	Simplified Approach to Evaluate the Combined Uncertainty in Measurement Instruments for Power Systems. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2258-2265.	2.4	17
50	A novel equivalent power network impedance approach for assessing the time reference in asynchronous measurements. , 2017, , .		4
51	Assessment of Metrological Characteristics of Calibration Systems for Accuracy vs. Temperature Verification of Voltage Transformer. , 2017, , .		9