

Bruno Ottavio Bt Trinchera

List of Publications by Year in descending order

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49
papers

259
citations

1040056

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49
all docs

49
docs citations

49
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	Realization of the farad from the dc quantum Hall effect with digitally assisted impedance bridges. Metrologia, 2010, 47, 464-472.	1.2	33
2	A Current Source for Picoammeter Calibration. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1198-1201.	4.7	24
3	Quadrature Bridge for $\sqrt{3}$ Comparisons Based on Polyphase Digital Synthesis. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 202-206.	4.7	18
4	Wideband digital phase comparator for high current shunts. Metrologia, 2012, 49, 349-358.	1.2	15
5	Asynchronous Phase Comparator for Characterization of Devices for PMUs Calibrator. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1139-1145.	4.7	13
6	Reconfigurable Unit for Precise RMS Measurements. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 827-831.	4.7	11
7	An Impedance Spectrometer for the Metrology of Electrolytic Conductivity. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1766-1770.	4.7	11
8	Comparison of a Planar Thin-Film Thermal AC Voltage Standard up to 1 MHz. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1379-1384.	4.7	10
9	Wideband phase comparator for high current shunts. , 2010, , .		9
10	A Digitally Assisted Current Comparator Bridge for Impedance Scaling at Audio Frequencies. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1771-1775.	4.7	9
11	Characterization of resistive dividers for a wideband power analyzer. , 2014, , .		9
12	Tests of SNIS Josephson Arrays Cryocooler Operation. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1181-1184.	1.8	7
13	On the Synthesis of Stepwise Quantum Waves Using a SNIS Programmable Josephson Array in a Cryocooler. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	7
14	Characterization of a Josephson array for pulse-driven voltage standard in a cryocooler. Measurement: Journal of the International Measurement Confederation, 2017, 95, 77-81.	5.0	7
15	Performance evaluation of positive regulators for population control. Modeling, Identification and Control, 1989, 10, 125-134.	1.1	7
16	Wideband digital modular system for dynamic characterization of PJVS. , 2014, , .		6
17	Self-Compensating Networks for Four-Terminal-Pair Impedance Definition in Current Comparator Bridges. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1149-1155.	4.7	6
18	Temperature Stability of SNIS Josephson Arrays Between 4.2 K and Critical Temperature in Cryocooler. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Cryogen-Free Operation of SNIS for AC Quantum Voltage Standards. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-3.	1.7	5
20	Traceability Chain at KRISS from DC Quantum Hall Resistance to Farad Using Coaxial Bridges. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1941-1947.	4.7	5
21	Dual Transformer for Power Measurements in the Audio-Frequency Band. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2223-2228.	4.7	4
22	AC-DC current transfer difference estimation of thin-film multijunction TCs up to 1 MHz. , 2016, , .		4
23	Polyharmonic Digital Synthesizer for the Calibration of Phase Sensitive Measuring Systems Up to the Ultrasonic Band. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1687-1692.	4.7	3
24	A system for the accurate characterization of wideband wattmeters, power quality analyzers and PMUs. , 2014, , .		3
25	A quantum standard for sampled electrical measurements - main goals and first results of the EMRP project Q-WAVE. , 2014, , .		3
26	Quadrature Bridge for R-C Comparisons based on Polyphase Digital Synthesis. , 2007, , .		2
27	Uncertainty characterization of a two channels digital analyzer as a wideband phase comparator. , 2012, , .		2
28	Self-compensating networks for four terminal-pair impedance definition in current comparator bridges. , 2015, , .		2
29	Trilateral comparison of a planar thin-film thermal AC voltage standard up to 1 MHz. , 2016, , .		2
30	Asynchronous phase comparator for characterization of devices and PMU calibrator. , 2016, , .		2
31	A Modular Sampling Standard for Quantum Traceable Power Measurements: Comparison and Perspectives. , 2021, , .		2
32	A Power Frequency Modular Sampling Standard for Traceable Power Measurements: Comparison and Perspectives. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	2
33	Configurable unit for precise RMS measurements. , 2008, , .		1
34	Dual transformer for power measurement in the audio frequency band. , 2010, , .		1
35	Wideband guarded inductive divider for linearity test in synchronized generators. , 2012, , .		1
36	An impedance spectrometer for the metrology of electrolytic conductivity. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
37	A polyharmonic digital synthesizer for the calibration of phase sensitive measuring systems up to ultrasonic band. , 2012, , .		1
38	A digitally-assisted current comparator for audio frequency impedance scaling. , 2012, , .		1
39	Operation of SNIS arrays in a cryocooler. , 2014, , .		1
40	Cryocooled Josephson standards for AC voltage metrology. Journal of Physics: Conference Series, 2017, 841, 012031.	0.4	1
41	Cryocooled programmable and pulse-driven Josephson voltage standards at INRiM. , 2017, , .		1
42	Introduction and progress in the EMPIR project TracePQM: Traceability Routes for Electric Power Quality Measurements. Journal of Physics: Conference Series, 2018, 1065, 052016.	0.4	1
43	Traceability Chain Establishment at KRISS from DC QHR to Farad Using AC-DC Calculable Resistor Standard and Digitally Assisted Coaxial Bridges. , 2018, , .		1
44	Determination of the farad from dc quantum hall effect, by using digital ac bridges. , 2008, , .		0
45	Radiometric sampling system for use in the terahertz band of the electromagnetic spectrum. , 2012, , .		0
46	Tests on waveform synthesis in a new cryocooler setup. , 2016, , .		0
47	Exploring High-Order Shapiro Steps for Staircase-Approximated Josephson Waves with a Dry-Cooled SNIS Programmable Array. , 2017, , .		0
48	Towards a He-Free Source of Arbitrary Quantum Voltage Signals. , 2017, , .		0
49	Comparison of a Thermal AC Voltage Standard in the 1â€“30-MHz Frequency Range. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	0