Alain RÃ¼fenacht

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3151919/publications.pdf

Version: 2024-02-01

28	879	516710 16	677142 22
papers	citations	h-index	g-index

28	28	28	231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electromagnetically induced transparency based Rydberg-atom sensor for traceable voltage measurements. AVS Quantum Science, 2022, 4, .	4.9	20
2	Compact DC Josephson Voltage Standard. , 2020, , .		1
3	Dual Josephson impedance bridge: towards a universal bridge for impedance metrology. Metrologia, 2020, 57, 065014.	1.2	17
4	Calibration of an AC Voltage Source Using a Josephson Arbitrary Waveform Synthesizer at 4 V. , 2020, , .		7
5	Automated direct comparison of two cryocooled 10 volt programmable Josephson voltage standards. Metrologia, 2018, 55, 585-596.	1.2	5
6	Impact of the latest generation of Josephson voltage standards in ac and dc electric metrology. Metrologia, 2018, 55, S152-S173.	1.2	49
7	Josephson-based full digital bridge for high-accuracy impedance comparisons. Metrologia, 2016, 53, 1045-1053.	1.2	46
8	Simultaneous double waveform synthesis with a single programmable Josephson voltage standard. , 2016, , .		3
9	2 Volt pulse-driven josephson arbitrary waveform synthesizer. , 2016, , .		15
10	Direct comparison of a pulse-driven Josephson arbitrary waveform synthesizer and a programmable Josephson voltage standard at 1 volt. , 2016, , .		7
11	Application of a 10 V Programmable Josephson Voltage Standard in Direct Comparison With Conventional Josephson Voltage Standards. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3458-3466.	4.7	7
12	One-Volt Josephson Arbitrary Waveform Synthesizer. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-8.	1.7	45
13	Junction Yield Analysis for 10 V Programmable Josephson Voltage Standard Devices. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	25
14	Cryocooled 10 V Programmable Josephson Voltage Standard. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1477-1482.	4.7	29
15	Differential Sampling Measurement of a 7 V RMS Sine Wave With a Programmable Josephson Voltage Standard. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1587-1593.	4.7	60
16	Method for Ensuring Accurate AC Waveforms With Programmable Josephson Voltage Standards. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1627-1633.	4.7	9
17	The Josephson locked synthesizer. Measurement Science and Technology, 2012, 23, 124004.	2.6	4
18	A digital-to-analog converter with a voltage standard reference. , 2012, , .		7

#	Article	IF	Citations
19	Thermal-Transfer Standard Validation of the Josephson-Voltage-Standard-Locked Sine-Wave Synthesizer. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2372-2377.	4.7	30
20	NIST 10 V Programmable Josephson Voltage Standard System. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2482-2488.	4.7	79
21	Characterization of Metrological Grade Analog-to-Digital Converters Using a Programmable Josephson Voltage Standard. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2172-2177.	4.7	54
22	High precision comparison between a programmable and a pulse-driven Josephson voltage standard. Metrologia, 2011, 48, 311-316.	1.2	30
23	Strong Attenuation of the Transients' Effect in Square Waves Synthesized With a Programmable Josephson Voltage Standard. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1894-1899.	4.7	13
24	Josephson-Voltage-Standard-Locked Sine Wave Synthesizer: Margin Evaluation and Stability. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 791-796.	4.7	44
25	Systematic Error Analysis of Stepwise-Approximated AC Waveforms Generated by Programmable Josephson Voltage Standards. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 761-767.	4.7	66
26	Precision Differential Sampling Measurements of Low-Frequency Synthesized Sine Waves With an AC Programmable Josephson Voltage Standard. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 809-815.	4.7	90
27	AC Power Standard Using a Programmable Josephson Voltage Standard. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1041-1048.	4.7	55
28	Error and Transient Analysis of Stepwise-Approximated Sine Waves Generated by Programmable Josephson Voltage Standards. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1322-1329.	4.7	62