

Christian Krause

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

340
citations

1163117

8
h-index

1125743

13
g-index

28
all docs

28
docs citations

28
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrastable low-noise current amplifier: A novel device for measuring small electric currents with high accuracy. Review of Scientific Instruments, 2015, 86, 024703.	1.3	87
2	Validation of a quantized-current source with 0.2â€‰‰ppm uncertainty. Applied Physics Letters, 2015, 107, .	3.3	75
3	Validation of the ultrastable low-noise current amplifier as travelling standard for small direct currents. Metrologia, 2015, 52, 756-763.	1.2	32
4	Ultrastable Low-Noise Current Amplifiers With Extended Range and Improved Accuracy. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1425-1432.	4.7	27
5	Measurement of sub-picoampere direct currents with uncertainties below ten attoamperes. Review of Scientific Instruments, 2017, 88, 024711.	1.3	21
6	Noise-optimized ultrastable low-noise current amplifier. Review of Scientific Instruments, 2019, 90, 014706.	1.3	15
7	Robustness and reliability of BiCMOS embedded RF-MEMS switch. , 2011, , .		13
8	Reducing current noise in cryogenic experiments by vacuum-insulated cables. Review of Scientific Instruments, 2016, 87, 105111.	1.3	11
9	Dual-mode auto-calibrating resistance thermometer: A novel approach with Johnson noise thermometry. Review of Scientific Instruments, 2021, 92, 034901.	1.3	11
10	Externally Referenced Current Source With Stability Down to 1 nA/A at 50 mA. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2129-2135.	4.7	7
11	Improved calibration of instruments for small direct currents. , 2016, , .		6
12	Electrometer Calibration With Sub-Part-Per-Million Uncertainty. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1887-1894.	4.7	5
13	Linearity measurements of critical Johnson noise thermometer components with low-distortion multitones from a Josephson arbitrary waveform synthesizer. Measurement Science and Technology, 2021, 32, 065006.	2.6	5
14	Ultrastable low-noise current amplifier. , 2014, , .		4
15	Cable noise investigations for high-accuracy measurements of small direct currents. , 2016, , .		4
16	Calibration of the dual-mode auto-calibrating resistance thermometer with few-parts-per-million uncertainty. Measurement Science and Technology, 2022, 33, 015008.	2.6	4
17	Ultrastable low-noise current amplifiers with extended range and improved accuracy. , 2016, , .		3
18	Calibrating Ultrastable Low-Noise Current Amplifiers of the Second Generation With a Cryogenic Current Comparator. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2027-2033.	4.7	3

#	ARTICLE	IF	CITATIONS
19	Calibration of the Second Generation of Ultrastable Low-Noise Current Amplifiers Using a Cryogenic Current Comparator. , 2018, , .		2
20	Calibration of Electrometers with Sub-PPM Accuracy. , 2018, , .		2
21	External-Reference Stabilized Current Source with Sub-PPM Stability. , 2018, , .		1
22	Low-Noise Measurement Setup for Single-Electron Pumps. , 2018, , .		1
23	Linearity Measurements on Critical Noise Thermometer Components. , 2020, , .		1
24	Excess Current Noise in Amplifiers With Switched Input. IEEE Transactions on Instrumentation and Measurement, 2015, , 1-1.	4.7	0
25	Universality of the tunable-barrier electron pump at the part-per-million level. , 2016, , .		0
26	Calibration of ultrastable low-noise current amplifiers without direct use of a cryogenic current comparator. Metrologia, 2020, 57, 055008.	1.2	0
27	Traceable low-current measurements for a novel ionization gauge suitable as reference standard. Measurement: Sensors, 2021, 18, 100202.	1.7	0