

# 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	Calibration of the dual-mode auto-calibrating resistance thermometer with few-parts-per-million uncertainty. <i>Measurement Science and Technology</i> , 2022, 33, 015008.	2.6	4
2	Dual-mode auto-calibrating resistance thermometer: A novel approach with Johnson noise thermometry. <i>Review of Scientific Instruments</i> , 2021, 92, 034901.	1.3	11
3	Linearity measurements of critical Johnson noise thermometer components with low-distortion multitones from a Josephson arbitrary waveform synthesizer. <i>Measurement Science and Technology</i> , 2021, 32, 065006.	2.6	5
4	Traceable low-current measurements for a novel ionization gauge suitable as reference standard. <i>Measurement: Sensors</i> , 2021, 18, 100202.	1.7	0
5	Linearity Measurements on Critical Noise Thermometer Components. , 2020, , .		1
6	Calibration of ultrastable low-noise current amplifiers without direct use of a cryogenic current comparator. <i>Metrologia</i> , 2020, 57, 055008.	1.2	0
7	Electrometer Calibration With Sub-Part-Per-Million Uncertainty. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 1887-1894.	4.7	5
8	Externally Referenced Current Source With Stability Down to 1 nA/A at 50 mA. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 2129-2135.	4.7	7
9	Calibrating Ultrastable Low-Noise Current Amplifiers of the Second Generation With a Cryogenic Current Comparator. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 2027-2033.	4.7	3
10	Noise-optimized ultrastable low-noise current amplifier. <i>Review of Scientific Instruments</i> , 2019, 90, 014706.	1.3	15
11	External-Reference Stabilized Current Source with Sub-PPM Stability. , 2018, , .		1
12	Low-Noise Measurement Setup for Single-Electron Pumps. , 2018, , .		1
13	Calibration of the Second Generation of Ultrastable Low-Noise Current Amplifiers Using a Cryogenic Current Comparator. , 2018, , .		2
14	Calibration of Electrometers with Sub-PPM Accuracy. , 2018, , .		2
15	Measurement of sub-picoampere direct currents with uncertainties below ten attoamperes. <i>Review of Scientific Instruments</i> , 2017, 88, 024711.	1.3	21
16	Ultrastable Low-Noise Current Amplifiers With Extended Range and Improved Accuracy. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 1425-1432.	4.7	27
17	Reducing current noise in cryogenic experiments by vacuum-insulated cables. <i>Review of Scientific Instruments</i> , 2016, 87, 105111.	1.3	11
18	Universality of the tunable-barrier electron pump at the part-per-million level. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Cable noise investigations for high-accuracy measurements of small direct currents. , 2016, , .		4
20	Ultrastable low-noise current amplifiers with extended range and improved accuracy. , 2016, , .		3
21	Improved calibration of instruments for small direct currents. , 2016, , .		6
22	Validation of a quantized-current source with 0.2â€‰‰ppm uncertainty. Applied Physics Letters, 2015, 107, .	3.3	75
23	Validation of the ultrastable low-noise current amplifier as travelling standard for small direct currents. Metrologia, 2015, 52, 756-763.	1.2	32
24	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
25	Excess Current Noise in Amplifiers With Switched Input. IEEE Transactions on Instrumentation and Measurement, 2015, , 1-1.	4.7	0
26	Ultrastable low-noise current amplifier. , 2014, , .		4
27	Robustness and reliability of BiCMOS embedded RF-MEMS switch. , 2011, , .		13