

Elise Wursten

List of Publications by Year in descending order

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27
papers

1,105
citations

471061

17
h-index

525886

27
g-index

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all docs

27
docs citations

27
times ranked

1143
citing authors

#	ARTICLE	IF	CITATIONS
1	A 16-parts-per-trillion measurement of the antiproton-to-proton charge-to-mass ratio. <i>Nature</i> , 2022, 601, 53-57.	13.7	25
2	Sympathetic cooling schemes for separately trapped ions coupled via image currents. <i>New Journal of Physics</i> , 2022, 24, 033021.	1.2	6
3	Constraints on the Coupling between Axionlike Dark Matter and Photons Using an Antiproton Superconducting Tuned Detection Circuit in a Cryogenic Penning Trap. <i>Physical Review Letters</i> , 2021, 126, 041301.	2.9	32
4	Data blinding for the nEDM experiment at PSI. <i>European Physical Journal A</i> , 2021, 57, 152.	1.0	1
5	The design of the n2EDM experiment. <i>European Physical Journal C</i> , 2021, 81, 512.	1.4	27
6	Sympathetic cooling of a trapped proton mediated by an LC circuit. <i>Nature</i> , 2021, 596, 514-518.	13.7	17
7	A search for neutron to mirror-neutron oscillations using the nEDM apparatus at PSI. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 135993.	1.5	29
8	Optically pumped Cs magnetometers enabling a high-sensitivity search for the neutron electric dipole moment. <i>Physical Review A</i> , 2020, 101, .	1.0	19
9	Measurement of the Permanent Electric Dipole Moment of the Neutron. <i>Physical Review Letters</i> , 2020, 124, 081803.	2.9	263
10	Superconducting Solenoid System with Adjustable Shielding Factor for Precision Measurements of the Properties of the Antiproton. <i>Physical Review Applied</i> , 2019, 12, .	1.5	6
11	Measurement of Ultralow Heating Rates of a Single Antiproton in a Cryogenic Penning Trap. <i>Physical Review Letters</i> , 2019, 122, 043201.	2.9	10
12	Magnetic-field uniformity in neutron electric-dipole-moment experiments. <i>Physical Review A</i> , 2019, 99, .	1.0	24
13	The n2EDM experiment at the Paul Scherrer Institute. <i>EPJ Web of Conferences</i> , 2019, 219, 02002.	0.1	17
14	nEDM experiment at PSI: Data-taking strategy and sensitivity of the dataset. <i>EPJ Web of Conferences</i> , 2019, 219, 02001.	0.1	11
15	Direct limits on the interaction of antiprotons with axion-like dark matter. <i>Nature</i> , 2019, 575, 310-314.	13.7	47
16	PCB Coil Design Producing a Uniform Confined Magnetic Field. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-5.	0.6	7
17	Active compensation of magnetic field distortions based on vector spherical harmonics field description. <i>AIP Advances</i> , 2017, 7, .	0.6	6
18	Search for Axionlike Dark Matter through Nuclear Spin Precession in Electric and Magnetic Fields. <i>Physical Review X</i> , 2017, 7, .	2.8	129

#	ARTICLE	IF	CITATIONS
19	Ultracold neutron detection with ^6Li -doped glass scintillators. <i>European Physical Journal A</i> , 2016, 52, 1.	1.0	19
20	First high-statistics and high-resolution recoil-ion data from the WITCH retardation spectrometer. <i>European Physical Journal A</i> , 2016, 52, 1.	1.0	6
21	Revised experimental upper limit on the electric dipole moment of the neutron. <i>Physical Review D</i> , 2015, 92, .	1.6	285
22	Observation of Gravitationally Induced Vertical Striation of Polarized Ultracold Neutrons by Spin-Echo Spectroscopy. <i>Physical Review Letters</i> , 2015, 115, 162502.	2.9	19
23	Gravitational depolarization of ultracold neutrons: Comparison with data. <i>Physical Review D</i> , 2015, 92, .	1.6	18
24	Measurement of a false electric dipole moment signal from ^{199}Hg atoms exposed to an inhomogeneous magnetic field. <i>European Physical Journal D</i> , 2015, 69, 1.	0.6	18
25	Space-charge effects in Penning ion traps. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 785, 153-162.	0.7	4
26	Highly stable atomic vector magnetometer based on free spin precession. <i>Optics Express</i> , 2015, 23, 22108.	1.7	34
27	A device for simultaneous spin analysis of ultracold neutrons. <i>European Physical Journal A</i> , 2015, 51, 1.	1.0	26