Elise Wursten

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3550990/publications.pdf

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27	1,105	471061	525886
papers	citations	17 h-index	27 g-index

27	27	27	1143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revised experimental upper limit on the electric dipole moment of the neutron. Physical Review D, 2015, 92, .	1.6	285
2	Measurement of the Permanent Electric Dipole Moment of the Neutron. Physical Review Letters, 2020, 124, 081803.	2.9	263
3	Search for Axionlike Dark Matter through Nuclear Spin Precession in Electric and Magnetic Fields. Physical Review X, 2017, 7, .	2.8	129
4	Direct limits on the interaction of antiprotons with axion-like dark matter. Nature, 2019, 575, 310-314.	13.7	47
5	Highly stable atomic vector magnetometer based on free spin precession. Optics Express, 2015, 23, 22108.	1.7	34
6	Constraints on the Coupling between Axionlike Dark Matter and Photons Using an Antiproton Superconducting Tuned Detection Circuit in a Cryogenic Penning Trap. Physical Review Letters, 2021, 126, 041301.	2.9	32
7	A search for neutron to mirror-neutron oscillations using the nEDM apparatus at PSI. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135993.	1.5	29
8	The design of the n2EDM experiment. European Physical Journal C, 2021, 81, 512.	1.4	27
9	A device for simultaneous spin analysis of ultracold neutrons. European Physical Journal A, 2015, 51, 1.	1.0	26
10	A 16-parts-per-trillion measurement of the antiproton-to-proton chargeâ€“mass ratio. Nature, 2022, 601, 53-57.	13.7	25
11	Magnetic-field uniformity in neutron electric-dipole-moment experiments. Physical Review A, 2019, 99, .	1.0	24
12	Observation of Gravitationally Induced Vertical Striation of Polarized Ultracold Neutrons by Spin-Echo Spectroscopy. Physical Review Letters, 2015, 115, 162502.	2.9	19
13	Ultracold neutron detection with 6Li-doped glass scintillators. European Physical Journal A, 2016, 52, 1.	1.0	19
14	Optically pumped Cs magnetometers enabling a high-sensitivity search for the neutron electric dipole moment. Physical Review A, 2020, 101, .	1.0	19
15	Gravitational depolarization of ultracold neutrons: Comparison with data. Physical Review D, 2015, 92, .	1.6	18
16	Measurement of a false electric dipole moment signal from 199Hg atoms exposed to an inhomogeneous magnetic field. European Physical Journal D, 2015, 69, 1.	0.6	18
17	The n2EDM experiment at the Paul Scherrer Institute. EPJ Web of Conferences, 2019, 219, 02002.	0.1	17
18	Sympathetic cooling of a trapped proton mediated by an LC circuit. Nature, 2021, 596, 514-518.	13.7	17

#	Article	IF	Citations
19	nEDM experiment at PSI: Data-taking strategy and sensitivity of the dataset. EPJ Web of Conferences, 2019, 219, 02001.	0.1	11
20	Measurement of Ultralow Heating Rates of a Single Antiproton in a Cryogenic Penning Trap. Physical Review Letters, 2019, 122, 043201.	2.9	10
21	PCB Coil Design Producing a Uniform Confined Magnetic Field. IEEE Magnetics Letters, 2017, 8, 1-5.	0.6	7
22	First high-statistics and high-resolution recoil-ion data from the WITCH retardation spectrometer. European Physical Journal A, 2016, 52, 1.	1.0	6
23	Active compensation of magnetic field distortions based on vector spherical harmonics field description. AIP Advances, 2017, 7, .	0.6	6
24	Superconducting Solenoid System with Adjustable Shielding Factor for Precision Measurements of the Properties of the Antiproton. Physical Review Applied, 2019, 12, .	1.5	6
25	Sympathetic cooling schemes for separately trapped ions coupled via image currents. New Journal of Physics, 2022, 24, 033021.	1.2	6
26	Space-charge effects in Penning ion traps. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 785, 153-162.	0.7	4
27	Data blinding for the nEDM experiment at PSI. European Physical Journal A, 2021, 57, 152.	1.0	1