

Alexander Herlert

List of Publications by Year in descending order

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28
papers

1,036
citations

516710

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526287

27
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28
all docs

28
docs citations

28
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	Examining the N=28 shell closure through high-precision mass measurements of Ar ⁴⁶ – ⁴⁸ . Physical Review C, 2020, 102, .	2.9	12
2	First Glimpse of the $N < 82 >$ Shell Closure below $Z < 50 >$ from Masses of Neutron-Rich Cadmium Isotopes and Isomers. Physical Review Letters, 2020, 124, 092502.	7.8	41
3	Evaluation of high-precision atomic masses of A ¹⁴ 50– ⁸⁰ and rare-earth nuclides measured with ISOLTRAP. European Physical Journal A, 2019, 55, 1.	2.5	1
4	NUSTAR – The teenage years. Hyperfine Interactions, 2017, 238, 1.	0.5	2
5	Characterization of the ^{163}Ho Electron Capture Spectrum: A Step Towards the Electron Neutrino Mass Determination. Physical Review Letters, 2017, 119, 122501.	7.8	19
6	The NUSTAR program at FAIR. EPJ Web of Conferences, 2014, 71, 00064.	0.3	8
7	Evolution of nuclear ground-state properties of neutron-deficient isotopes around Z=82 from precision mass measurements. Physical Review C, 2014, 90, .	2.9	16
8	Recent exploits of the ISOLTRAP mass spectrometer. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 492-500.	1.4	41
9	Characterization of low temperature metallic magnetic calorimeters having gold absorbers with implanted ¹⁶³ Ho ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 711, 150-159.	1.6	41
10	Surveying the $N < 40 >$ island of inversion with new manganese masses. Physical Review C, 2012, 86, .	2.9	41
11	On-line separation of short-lived nuclei by a multi-reflection time-of-flight device. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 686, 82-90.	1.6	114
12	Recoil-ion trapping for precision mass measurements. European Physical Journal A, 2012, 48, 1.	2.5	13
13	First detection and energy measurement of recoil ions following beta decay in a Penning trap with the WITCH experiment. European Physical Journal A, 2011, 47, 1.	2.5	16
14	Effects of space charge on the mass purification in Penning traps. Hyperfine Interactions, 2011, 199, 211-220.	0.5	9
15	Mass measurements of short-lived nuclides using the Isoltrap preparation Penning trap. Hyperfine Interactions, 2011, 199, 231-240.	0.5	2
16	Cadmium mass measurements between the neutron shell closures at N=50 and 82. , 2011, , .		0
17	MATS and LaSpec: High-precision experiments using ion traps and lasers at FAIR. European Physical Journal: Special Topics, 2010, 183, 1-123.	2.6	76
18	Approaching the N=82 shell closure with mass measurements of Ag and Cd isotopes. Physical Review C, 2010, 81, .	2.9	38

#	ARTICLE	IF	CITATIONS
19	Penning trap mass measurements of ^{99}Cd with the ISOLTRAP mass spectrometer, and implications for the process. <i>Physical Review C</i> , 2009, 80, .	2.9	28
20	High-precision Penning-trap mass measurements of heavy xenon isotopes for nuclear structure studies. <i>Physical Review C</i> , 2009, 80, .	2.9	23
21	Preparing a journey to the east of ^{208}Pb with ISOLTRAP: Isobaric purification at $A = 209$ and new masses for ^{211}Fr and ^{211}Ra . <i>European Physical Journal A</i> , 2009, 42, 351.	2.5	11
22	Mass measurements and evaluation around $A = 22$. <i>European Physical Journal A</i> , 2008, 35, 31-37.	2.5	32
23	ISOLTRAP: An on-line Penning trap for mass spectrometry on short-lived nuclides. <i>European Physical Journal A</i> , 2008, 35, 1-29.	2.5	150
24	Ramsey Method of Separated Oscillatory Fields for High-Precision Penning Trap Mass Spectrometry. <i>Physical Review Letters</i> , 2007, 98, 162501.	7.8	122
25	The Ramsey method in high-precision mass spectrometry with Penning traps: Experimental results. <i>International Journal of Mass Spectrometry</i> , 2007, 264, 110-121.	1.5	156
26	Penning trap mass spectrometry for nuclear structure studies. <i>Hyperfine Interactions</i> , 2006, 171, 83-91.	0.5	2
27	A new Channeltron-detector setup for precision mass measurements at ISOLTRAP. <i>Hyperfine Interactions</i> , 2006, 173, 181-193.	0.5	18
28	ISOLTRAP Mass Measurements for Weak-Interaction Studies. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	2