

Alexander Herlert

List of Publications by Year in descending order

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28
papers

1,036
citations

516710

16
h-index

526287

27
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28
all docs

28
docs citations

28
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ramsey method in high-precision mass spectrometry with Penning traps: Experimental results. International Journal of Mass Spectrometry, 2007, 264, 110-121.	1.5	156
2	ISOLTRAP: An on-line Penning trap for mass spectrometry on short-lived nuclides. European Physical Journal A, 2008, 35, 1-29.	2.5	150
3	Ramsey Method of Separated Oscillatory Fields for High-Precision Penning Trap Mass Spectrometry. Physical Review Letters, 2007, 98, 162501.	7.8	122
4	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
5	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
6	Surveying the $N=40$ island of inversion with new manganese masses. Physical Review C, 2012, 86, .	2.9	41
7	Recent exploits of the ISOLTRAP mass spectrometer. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 492-500.	1.4	41
8	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
9	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
10	Approaching the $N=82$ shell closure with mass measurements of Ag and Cd isotopes. Physical Review C, 2010, 81, .	2.9	38
11	Mass measurements and evaluation around $A = 22$. European Physical Journal A, 2008, 35, 31-37.	2.5	32
12	Penning trap mass measurements of ^{99}Tm with the ISOLTRAP mass spectrometer, and implications for the process. Physical Review C, 2009, 80, .	2.9	28
13	High-precision Penning-trap mass measurements of heavy xenon isotopes for nuclear structure studies. Physical Review C, 2009, 80, .	2.9	23
14	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
15	A new Channeltron-detector setup for precision mass measurements at ISOLTRAP. Hyperfine Interactions, 2006, 173, 181-193.	0.5	18
16	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
17	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
18	Recoil-ion trapping for precision mass measurements. European Physical Journal A, 2012, 48, 1.	2.5	13

#	ARTICLE	IF	CITATIONS
19	Examining the N=28 shell closure through high-precision mass measurements of Ar46 ⁺ 48. Physical Review C, 2020, 102, .	2.9	12
20	Preparing a journey to the east of 208Pb with ISOLTRAP: Isobaric purification at A = 209 and new masses for 211-213Fr and 211Ra. European Physical Journal A, 2009, 42, 351.	2.5	11
21	Effects of space charge on the mass purification in Penning traps. Hyperfine Interactions, 2011, 199, 211-220.	0.5	9
22	The NUSTAR program at FAIR. EPJ Web of Conferences, 2014, 71, 00064.	0.3	8
23	Penning trap mass spectrometry for nuclear structure studies. Hyperfine Interactions, 2006, 171, 83-91.	0.5	2
24	ISOLTRAP Mass Measurements for Weak-Interaction Studies. AIP Conference Proceedings, 2006, , .	0.4	2
25	Mass measurements of short-lived nuclides using the Isoltrap preparation Penning trap. Hyperfine Interactions, 2011, 199, 231-240.	0.5	2
26	NUSTAR ⁺ The teenage years. Hyperfine Interactions, 2017, 238, 1.	0.5	2
27	Evaluation of high-precision atomic masses of A ⁺ 50 ⁺ 80 and rare-earth nuclides measured with ISOLTRAP. European Physical Journal A, 2019, 55, 1.	2.5	1
28	Cadmium mass measurements between the neutron shell closures at N=50 and 82. , 2011, , .		0