

Adrian A Valverde

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

382
citations

759233

12
h-index

888059

17
g-index

40
all docs

40
docs citations

40
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaussian mixture model clustering algorithms for the analysis of high-precision mass measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1027, 166299.	1.6	13
2	Improved nuclear physics near $A=61$ refines urca neutrino luminosities in accreted neutron star crusts. Physical Review C, 2022, 105, .	2.9	11
3	Searching for the origin of the rare-earth peak with precision mass measurements across Ce-Eu isotopic chains. Physical Review C, 2022, 105, .	2.9	2
4	High-precision mass measurement of ^{24}Mg and a refined determination of the r -process at the First Penning trap/mass measurement of ^{36}Ca . Physical Review C, 2021, 103, .	7.8	19
5	Precision Mass Measurements of Neutron-Rich Scandium Isotopes Refine the Evolution of ^{126}N . Physical Review Letters, 2021, 126, 042501.	1.4	25
6	A cooler-buncher for the ^{126}N factory at Argonne National Laboratory. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 228-233.	1.4	11
7	The ^{126}N factory: A new facility to produce very heavy neutron-rich isotopes. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 258-261.	2.9	11
8	Testing the weak interaction using St. Benedict at the University of Notre Dame. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 488-490.	0.5	2
9	Spin-trap isomers in deformed, odd-odd nuclei in the light rare-earth region near $N=98$. Physical Review C, 2020, 102, .	0.5	11
10	Improving constraints on the isobaric multiplet mass equation parameters of the ^{44}V : Improving constraints on the isobaric multiplet mass equation parameters of the ^{44}V : Precision mass measurements of ^{44}V and ^{44}mV for nucleon-nucleon interaction studies. Hyperfine Interactions, 2019, 240, 1.	0.5	11
11	Stopped, bunched beams for the TwinSol facility. Hyperfine Interactions, 2019, 240, 1.	2.9	4
12	Resolving the discrepancy in the half-life of ^{20}F . Physical Review C, 2019, 99, .	0.1	0
13	Mass Measurement of ^{56}Cu for the Astrophysical rp-Process. Springer Theses, 2019, , 59-71.	0.1	0
14	Half-Life Measurement of ^{11}C for Testing the Standard Model. Springer Theses, 2019, , 25-41.	0.1	0
15	The LEBIT Facility and Penning Traps. Springer Theses, 2019, , 43-58.	0.1	0
16	A Cooler-Buncher for the ^{126}N Factory. Springer Theses, 2019, , 73-92.		

#	ARTICLE	IF	CITATIONS
19	High-precision Mass Measurement of ^{63}Cu and the Redirection of the ^{63}Cu β -decay Q value. Physical Review C, 2018, 97, .	7.8	25
20	Precision mass measurements of neutron-rich Co isotopes beyond ^{60}Co . Physical Review C, 2018, 97, .	2.9	11
21	Mass measurement of ^{51}Fe for the determination of the ^{51}Fe β -decay Q value. Physical Review C, 2017, 96, .	2.9	8
22	Precision half-life measurement of ^{25}Al . Physical Review C, 2017, 96, .	2.9	10
23	Q values among ^{50}Ti β -decay Q values. Physical Review C, 2016, 94, .	2.9	13
24	Double resonant enhancement in the neutrinoless double-electron capture of ^{199}Pt . Physical Review C, 2016, 94, .	7.8	12
25	Precise determination of the ^{113}Cd β -decay Q value. Physical Review C, 2016, 94, .	2.9	10
26	A laser ablation source for offline ion production at LEBIT. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 60-63.	1.4	14
27	Determination of the ^{112}Cd β -decay Q value. Physical Review C, 2016, 94, .	2.9	34
28	Determination of the ^{113}Cd β -decay Q value. Physical Review C, 2016, 94, .	2.9	13
29	Development of a high-precision Penning trap magnetometer for the LEBIT facility. International Journal of Mass Spectrometry, 2015, 379, 187-193.	7.8	19
30	Fabrication and characterization of field emission points for ion production in Penning trap applications. International Journal of Mass Spectrometry, 2015, 379, 1-8.	1.5	4
31	Development of a high-precision Penning trap magnetometer for the LEBIT facility. International Journal of Mass Spectrometry, 2015, 379, 1-8.	1.5	4
32	Penning trap mass measurement of ^{72}Br . Physical Review C, 2015, 91, 054607.	2.9	11
33	Penning trap mass measurement of ^{48}Ca double- β -decay Q value. Physical Review C, 2015, 91, 054608.	2.9	19
34	LEBIT II: Upgrades and developments for high precision Penning trap mass measurements with rare isotopes. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 510-516.	1.4	11