

Martin Alcorta

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

1,874
citations

257450

24
h-index

276875

41
g-index

96
all docs

96
docs citations

96
times ranked

1332
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground-State Band and Deformation of the $Z=102$ Isotope $N254o$. Physical Review Letters, 1999, 82, 509-512.	7.8	191
2	Do Halo Nuclei Follow Rutherford Elastic Scattering at Energies Below the Barrier? The Case of ^{11}Li . Physical Review Letters, 2012, 109, 262701.	7.8	127
3			

#	ARTICLE	IF	CITATIONS
19	Fusion Reactions with the One-Neutron Halo Nucleus C^{15} . Physical Review Letters, 2011, 106, 172701.	7.8	33
20	Multi-Sampling Ionization Chamber (MUSIC) for measurements of fusion reactions with radioactive beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 799, 197-202.	1.6	32
21	Measurement of the $Li^7 + Li^7$ reaction from the $Li^7 + Li^7$ reaction. Physical Review Letters, 2017, 118, 262707.	2.9	31
22	Measurements of fusion cross-sections in $^{12}C + ^{12}C$ at low beam energies using a particle-coincidence technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 682, 12-15.	1.6	30
23	Observation of the ^{13}C -delayed $31\pm$ breakup of the 15.11 and 12.71 MeV states in ^{12}C . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 44-49.	2.9	29
24	Precise and accurate determination of the B^8 decay spectrum. Nuclear Force Imprints Revealed on the Elastic Scattering of Protons with ^{12}C . Physical Review C, 2015, 92, .	4.1	25
25	Seniority collectivity, and B^8 decay spectrum. Nuclear Force Imprints Revealed on the Elastic Scattering of Protons with ^{12}C . Physical Review Letters, 2017, 118, 262707.	2.9	24
26	Complex band structure in neutron-deficient ^{178}Hg . Physical Review C, 1999, 61, .	7.8	23
27	High-spin collective structures in ^{178}Pt . Physical Review C, 2000, 61, .	2.9	22
28	First observation of excited structures in neutron deficient, odd-mass Pt, Au and Hg nuclei. Nuclear Physics A, 2001, 682, 487-492.	2.9	21
29	A complete kinematics approach to study multi-particle final state reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Experimental Study of the $O^{16} + ^{16}O$ reaction. Physical Review Letters, 2017, 118, 262707.	1.6	19
30	Structure of ^{14}B and the evolution of $N=9$ single-neutron isotones. Physical Review C, 2013, 88, .	2.9	19
31	Direct Measurement of the ^{14}B and the evolution of $N=9$ single-neutron isotones. Physical Review C, 2013, 88, .	7.8	19
32	Detailed β^2 -decay study of ^{33}Ar . Physical Review C, 2010, 81, .	2.9	17
33	Precise Determination of the Unperturbed ^{8}B Neutrino Spectrum. Physical Review Letters, 2012, 108, 162502.	7.8	17

#	ARTICLE	IF	CITATIONS
37	Single-particle and collective excitations in ^{63}Ni . Physical Review C, 2013, 88, .	2.9	16
38	Yrast structure of ^{206}Bi : Isomeric states and one-proton-particle, three-neutron-hole excitations. Physical Review C, 2012, 86, .	2.9	15
39	resonances determined from the ^{12}C		

#	ARTICLE	IF	CITATIONS
55	Study of the fusion reaction $^{12}\text{C} + ^{12}\text{C}$ at low beam energy. Journal of Physics: Conference Series, 2013, 420, 012120.	0.4	5
56	Reaction of the Halo Nucleus ^{11}Be on Heavy Targets at Energies Around the Coulomb Barrier. Acta Physica Polonica B, 2014, 45, 375.	0.8	5
57	Upper limit on the two-photon emission branch for the $0_2^+ \rightarrow 0_1^+$ transition in ^{98}Mo . Physical Review C, 2014, 89, .	2.9	5
58	Single-particle and dipole excitations in ^{62}Co . Physical Review C, 2022, 105, .	0.8	5
59	Mapping of the $^{12}\text{C}^*$ states via the $^{10}\text{B}(^3\text{He}, p)^{11}\text{C}$ reaction. European Physical Journal: Special Topics, 2007, 150, 207-210.	2.6	4
60	New AMS method to measure the atom ratio $^{146}\text{Sm}/^{147}\text{Sm}$ for a half-life determination of ^{146}Sm . Nuclear Instruments & Methods in Physics Research B, 2013, 294, 143-146.	1.4	4
61	Search for Intruder States in ^{68}Ni and ^{67}Co . Acta Physica Polonica B, 2013, 44, 371.	0.8	4
62	C+C Fusion Cross Sections Measurements for Nuclear Astrophysics. EPJ Web of Conferences, 2015, 96, 01001.	0.3	4
63	A digital data acquisition system for the detectors at gammasphere. , 2012, , .		3
64	Shape coexistence in ^{67}Co , $^{66,68,70,72}\text{Ni}$, and ^{71}Cu . AIP Conference Proceedings, 2015, , .	0.4	3
65	Use of Bayesian Optimization to understand the structure of nuclei. Nuclear Instruments & Methods in Physics Research B, 2022, 512, 6-11.	1.4	3
66	Hints of quasi-molecular states in ^{13}B via the study of $^9\text{Li}-^4\text{He}$ elastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137256.	4.1	3
67	Studying X-ray Burst Nucleosynthesis in the Laboratory. Journal of Physics: Conference Series, 2012, 403, 012033.	0.4	2
68	Exploring the stability of super heavy elements: First Measurement of the Fission Barrier of ^{254}No . EPJ Web of Conferences, 2014, 66, 02046.	0.3	2
69	Fusion measurements of $^{12}\text{C}+^{12}\text{C}$ at energies of astrophysical interest. EPJ Web of Conferences, 2016, 117, 09011.	0.3	2
70	How well do we understand the reaction rate of C burning?. EPJ Web of Conferences, 2017, 163, 00011.	0.3	2
71	Detailed study of the decay of ^{32}Ar . European Physical Journal A, 2021, 57, 1.	2.5	2
72	STUDIES OF $^{12}\text{C} + ^{12}\text{C}$ USING $^2\text{-DECAYS}$. International Journal of Modern Physics E, 2008, 17, 2182-2187.	1.0	1

#	ARTICLE	IF	CITATIONS
73	Properties of resonances in ^{12}C above the triple-alpha threshold. Journal of Physics: Conference Series, 2011, 312, 092013.	0.4	1
74	Astrophysical S factor for the $^4\text{He}(^3\text{He},^7\text{Be})$ reaction at medium energies. Journal of Physics: Conference Series, 2012, 337, 012061.	0.4	1
75	HELIOS - progress and possibilities. Journal of Physics: Conference Series, 2012, 381, 012095.	0.4	1
76	Scattering of the halo nucleus ^{11}Li and its core ^9Li on ^{208}Pb at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2012, 381, 012085.	0.4	1
77	\hat{I}^2 -decay measurements of ^{12}B with Gammasphere. EPJ Web of Conferences, 2014, 66, 07001.	0.3	1
78	Stability and synthesis of superheavy elements: Fighting the battle against fission – example of ^{254}No . EPJ Web of Conferences, 2016, 131, 03001.	0.3	1
79	Cross section measurements in the $^{12}\text{C}+^{12}\text{C}$ system. EPJ Web of Conferences, 2017, 165, 01015.	0.3	1
80	Scattering of halo nuclei on heavy targets at energies around the Coulomb barrier: The case of ^{11}Be on ^{197}Au . EPJ Web of Conferences, 2017, 163, 00045.	0.3	1
81	Single-particle and collective excitations in ^{66}Zn . Physical Review C, 2022, 105, .		1
82	The \hat{I}^2 -decay approach for studying ^{12}C . Journal of Physics: Conference Series, 2008, 111, 012003.	0.4	0
83	Dynamic studies of ^{11}Li and its core ^9Li on ^{208}Pb near the Coulomb barrier. AIP Conference Proceedings, 2010, . .	0.4	0
84	Fusion reactions with the one-neutron halo nucleus ^{15}C . EPJ Web of Conferences, 2011, 17, 13003.	0.3	0
85	^{12}C formation: A classical quest in new light. , 2011, , .		0
86	Study Of The Scattering Of Halo Nuclei Around The Coulomb Barrier. , 2011, , .		0
87	The Spectroscopic study of ^{33}Ar . , 2011, , .		0
88	Elastic scattering of ^9Li on ^{208}Pb at energies around the Coulomb barrier. , 2011, , .		0
89	Transfer Reactions and the Structure of Neutron-rich Nuclei. Acta Physica Polonica B, 2013, 44, 349.	0.8	0
90	Publisher's Note: Fusion Reactions with the One-Neutron Halo Nucleus ^{15}C [Phys. Rev. Lett. 106, 172701 (2011)]. Physical Review Letters, 2013, 111, .	7.8	0

#	ARTICLE	IF	CITATIONS
91	Evolution of Single-Particle Energies for N=9 Nuclei at Large N/Z. EPJ Web of Conferences, 2014, 66, 03098.	0.3	0
92	Study of the break-up channel in $^{11}\text{Li} + ^{208}\text{Pb}$ collisions at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2014, 515, 012004.	0.4	0
93	^{11}Li structural information from inclusive break-up measurements. EPJ Web of Conferences, 2015, 88, 01003.	0.3	0