

Marco Siciliano

List of Publications by Year in descending order

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69
papers

547
citations

623734

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19
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70
all docs

70
docs citations

70
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	NEDA – NEutron Detector Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 81-86.	1.6	34
2	Evidence for pseudospin-chiral quartet bands in the presence of octupole correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135572.	4.1	25
3	The π^4 highly-efficient light-charged-particle detector EUCLIDES, installed at the GALILEO array for in-beam γ -ray spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	23
4	Diversity of shapes and rotations in the $\hat{1}^3$ -soft ^{130}Ba nucleus: First observation of a t-band in the $A\hat{=}\hat{1}30$ mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 241-247.	4.1	22
5	Quadrupole deformation of ^{130}Xe measured in a Coulomb-excitation experiment. Physical Review C, 2020, 102, .	2.9	22
6	The GALILEO ^{131}I -ray array at the Legnaro National Laboratories. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1015, 165753.	1.6	21
7	One-neutron stripping processes to excited states of ^{66}Zn .	7.8	20
8	^{90}Y in the ^{66}Zn nucleus in the ^{66}Zn excited ^{66}Zn state studied by means of Coulomb excitation. Physical Review C, 2021, 103, .	2.9	19
9	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	19
10	Fusion hindrance and Pauli blocking in ^{58}Ni .	2.9	17
11	A new dedicated plunger device for the GALILEO ^{130}Ba .	1.6	16
12	Pairing-quadrupole interplay in the neutron-deficient tin nuclei: First lifetime measurements of low-lying states in $^{106,108}\text{Sn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135474.	4.1	16
13	High-spin structure in the transitional nucleus ^{131}Xe : Competitive neutron and proton alignment in the vicinity of the $N=82$ shell closure. Physical Review C, 2018, 98, .	2.9	14
14	Stability of the heaviest elements: K isomer in ^{250}No . Physical Review C, 2020, 101, .	2.9	14
15	The MUGAST-AGATA-VAMOS campaign: Set-up and performances. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165743.	1.6	14
16	High-spin structures in ^{132}Xe and ^{133}Xe and evidence for isomers along the $N=79$ isotones. Physical Review C, 2017, 96, .	2.9	12
17	SPIDER: A Silicon Pile DETector for low-energy Coulomb-excitation measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 971, 164030.	1.6	12

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19	Lifetime measurements in the even-even Cd isomer spectroscopy in Ba .	2.9	12
20	High-spin structure of Ba and high-spin structure of Ba .	2.9	11
21	Shape coexistence in neutron-deficient Hg investigated via lifetime measurements. Physical Review C, 2020, 102, .	2.9	11
22	High-spin structure of Xe .	2.9	10
23	$\text{N} = 81$ isotones Xe and Ba .	2.9	10
24	Towards the lowest-energy limit for light ions identification with silicon pixel-type detectors. European Physical Journal A, 2018, 54, 1.	2.5	10
25	$\text{C} + \text{Mg}$ far below the barrier: Evidence for the hindrance effect. Physical Review C, 2020, 101, .	2.9	10
26	Identification of high- K rotation in Ba130 : Testing the consistency of electromagnetic observables. Physical Review C, 2019, 99, .	2.9	8
27	Sub-barrier fusion involving odd mass nuclei: The case of $^{36}\text{S} + ^{50}\text{Ti}$, ^{51}V . European Physical Journal A, 2019, 55, 1.	2.5	7
28	Applications of Rutherford backscattering analysis methods to nuclear physics experiments. Nuclear Instruments & Methods in Physics Research B, 2021, 486, 68-72.	1.4	7
29	New narrow resonances observed in the unbound nucleus $^{92,93}\text{Nb}$.	2.9	7
30	A powerful combination measurement for exploring the fusion reaction mechanisms induced by weakly bound nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 914, 64-68.	1.6	6
31	Low-lying states of $^{92,93}\text{Nb}$ excited in the reactions induced by the weakly-bound nucleus ^6Li near the Coulomb barrier *. Chinese Physics C, 2019, 43, 104102.	3.7	6
32	Position uncertainties of AGATA pulse-shape analysis estimated via the bootstrapping method. European Physical Journal A, 2021, 57, 1.	2.5	6
33	^{31}S and ^{31}P and ^{31}S .	2.9	6
34	First measurement with a new setup for low-energy Coulomb excitation studies at INFN LNL. Physica Scripta, 2017, 92, 074001.	2.5	5
35	M1 and E2 transition rates from core-excited states in semi-magic ^{94}Ru . European Physical Journal A, 2018, 54, 1.	2.5	5
36	$\hat{1}\pm$ -decay spectroscopy of the $N=130$ isotones Ra218 and Th220 : Mitigation of $\hat{1}\pm$ -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5

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37	Identification of high-spin proton configurations in Ba136 and Ba137. Physical Review C, 2019, 99, .	2.9	5
38	Lifetime measurements using a plunger device and the EUCLIDES Si array at the GALILEO γ -ray spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 979, 164345.	1.6	5
39	Octupole correlations near $Z=82$ and $N=126$ in odd-odd nuclei. Physical Review C, 2021, 103, .	2.9	5
40	Single-particle states and parity doublets in odd-odd nuclei. Physical Review C, 2021, 103, .	2.9	5
41	Lifetime measurements of $Z=82$ and $N=126$ nuclei. Physical Review C, 2021, 103, .	2.9	4
42	Lifetime measurements of excited states in ^{163}W and the implications for the anomalous B(E2) ratios in transitional nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134998.	4.1	4
43	Nuclear structure in the neutron-deficient Sn nuclei TKEL effects on lifetime measurements. EPJ Web of Conferences, 2019, 223, 01060.	0.3	4
44	Pseudospin partner bands in ^{130}Ba . Physical Review C, 2020, 102, .	2.9	4
45	Probing isospin mixing with the giant dipole resonance in the ^{60}Zn compound nucleus. Physical Review C, 2021, 103, .	2.9	4
46	Coulomb excitation studies at LNL with the SPIDER-GALILEO set-up. Physica Scripta, 2020, 95, 024005.	2.5	3
47	Energy calibration of HPCe detector using the high-energy characteristic γ rays in ^{13}C formed in $^6\text{Li} + ^{12}\text{C}$ reaction. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	3
48	Angular distribution of γ rays emitted by oriented nuclei: the case of ^{92}Mo formed in the reaction $^6\text{Li} + ^{89}\text{Y}$. European Physical Journal A, 2021, 57, 1.	2.5	3
49	Study of Quadrupole Correlations in $N=Z=50$ Region via Lifetime Measurements. Acta Physica Polonica B, 2017, 48, 331.	0.8	3
50	The New Neutron Multiplicity Filter NEDA and Its First Physics Campaign with AGATA. Acta Physica Polonica B, 2019, 50, 585.	0.8	3
51	Shape coexistence in ^{94}Zr studied via Coulomb excitation. EPJ Web of Conferences, 2019, 223, 01038.	0.3	2
52	Excited states in ^{217}Ra populated in the ^{13}C decay of ^{218}Ac . Physical Review C, 2021, 103, .	2.9	2
53	Lifetimes of core-excited states in semi-magic ^{95}Rh . European Physical Journal A, 2020, 56, 1.	2.5	2
54	Lifetime Measurements with the Doppler Shift Attenuation Method Using a Thick Homogeneous Production Target --- Verification of the Method. Acta Physica Polonica B, 2017, 48, 325.	0.8	2

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55	Dealing with contaminants in Coulomb excitation of radioactive beams. Journal of Physics: Conference Series, 2020, 1643, 012146.	0.4	2
56	Study of sub-barrier fusion of $^{36}\text{S}+^{50}\text{Ti},^{51}\text{V}$ systems. EPJ Web of Conferences, 2019, 223, 01013.	0.3	1
57	Study of neutron-deficient mercury isotopes Preliminary results on ^{189}Hg . EPJ Web of Conferences, 2019, 223, 01072.	0.3	1
58	Signature splitting of the g bands in ^{72}Ba . Physical Review C, 2021, 104, .	2.9	1
59	Study of breakup and transfer of weakly bound nucleus ^6Li to explore the low energy reaction dynamics. EPJ Web of Conferences, 2017, 163, 00066.	0.3	0
60	Selection of different reaction channels in ^6Li induced fusion reaction by a powerful combination of a charged particle array and a high-resolution gamma spectrometer. EPJ Web of Conferences, 2018, 178, 03009.	0.3	0
61	Fusion Hindrance and Pauli Blocking in $^{58}\text{Ni} + ^{64}\text{Ni}$. EPJ Web of Conferences, 2019, 223, 01062.	0.3	0
62	Identification of different reaction channels in $^6\text{Li} + ^{89}\text{Y}$ experiment by the particles- \hat{I}^3 coincidence measurement. EPJ Web of Conferences, 2019, 223, 01068.	0.3	0
63	Multinucleon transfer reactions and proton transfer channels. EPJ Web of Conferences, 2019, 223, 01039.	0.3	0
64	Electromagnetic Properties of ^{45}Sc Studied by Low-energy Coulomb Excitation. Acta Physica Polonica B, 2018, 49, 567.	0.8	0
65	Study of the Isospin Symmetry in ^{60}Zn . Acta Physica Polonica B, 2019, 50, 481.	0.8	0
66	Isospin Symmetry in the ^{60}Zn Nucleus. Acta Physica Polonica B, 2020, 51, 683.	0.8	0
67	Fusion Hindrance and Pauli Blocking in $^{58}\text{Ni} + ^{64}\text{Ni}$. Journal of Physics: Conference Series, 2020, 1643, 012105.	0.4	0
68	Study of fusion hindrance in the system $^{12}\text{C}+^{24}\text{Mg}$. Journal of Physics: Conference Series, 2020, 1643, 012098.	0.4	0
69	Study of Sub-barrier Fusion of $^{36}\text{S}+^{50}\text{Ti},^{51}\text{V}$ Systems. Acta Physica Polonica B, 2020, 51, 769.	0.8	0