

# Marco Siciliano

## List of Publications by Year in descending order

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69  
papers

547  
citations

623734

14  
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794594

19  
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70  
all docs

70  
docs citations

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times ranked

593  
citing authors

#	ARTICLE	IF	CITATIONS
1	article states and parity doublets in odd- $Z$ nuclei New narrow resonances observed in the unbound nucleus $^{221}\text{Ac}$ and $^{221}\text{Pa}$ Physical Review C, 2022, 105, .	2.9	5
2	Applications of Rutherford backscattering analysis methods to nuclear physics experiments. Nuclear Instruments & Methods in Physics Research B, 2021, 486, 68-72.	1.4	7
3	Position uncertainties of AGATA pulse-shape analysis estimated via the bootstrapping method. European Physical Journal A, 2021, 57, 1.	2.5	6
4	Angular distribution of $\gamma$ rays emitted by oriented nuclei: the case of $^{92}\text{Mo}$ formed in the reaction $^6\text{Li}+^{89}\text{Y}$ . European Physical Journal A, 2021, 57, 1.	2.5	3
5	Probing isospin mixing with the giant dipole resonance in the $^{60}\text{Zn}$ compound nucleus. Physical Review C, 2021, 103, .	2.9	4
6	Octupole correlations near $^{219}\text{Te}$ High-spin intruder states in the mirror nuclei $^{31}\text{S}$ and $^{31}\text{P}$ Physical Review C, 2021, 103, .	2.9	5
7	Lifetime measurements in the even-even $^{102}\text{Cd}$ nucleus Physical Review C, 2021, 104, .	2.9	6
8	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.	2.9	12
9	The GALILEO $^{13}\text{I}$ -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	14
10	Onset of triaxial deformation in $^{66}\text{Zn}$ excited $^{66}\text{Zn}$ and properties of its first excited $^{66}\text{Zn}$ state studied by means of Coulomb excitation. Physical Review C, 2021, 103, .	2.9	19
11	Signature splitting of the $^{7}\text{Ba}$ bands in $^{7}\text{Ba}$ Physical Review C, 2021, 104, .	2.9	1
12	Coulomb excitation studies at LNL with the SPIDER-GALILEO set-up. Physica Scripta, 2020, 95, 024005.	2.5	3
13	Stability of the heaviest elements: K isomer in $^{250}\text{No}$ . Physical Review C, 2020, 101, .	2.9	14
14	Pseudospin partner bands in $^{130}\text{Ba}$ Physical Review C, 2020, 102, .	2.9	4
15	Shape coexistence in neutron-deficient $^{188}\text{Hg}$ investigated via lifetime measurements. Physical Review C, 2020, 102, .	2.9	11
16	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

#	ARTICLE	IF	CITATIONS
19	Lifetime measurements using a plunger device and the EUCLIDES Si array at the GALILEO $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e419" altimg="si67.svg"} \rangle$ $\langle \text{mml:mi} \rangle \text{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -ray spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 164030.	1.6	5
20	Excited states in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ra} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mnc} \rangle 217 \langle \text{mml:mnc} \rangle \langle \text{mml:math} \rangle$ populated in the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \text{I}^{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Th} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mnc} \rangle 130 \langle \text{mml:mnc} \rangle \langle \text{mml:math} \rangle$ measured in a Coulomb-excitation experiment. Physical Review C, 2020, 102, .	2.9	2
21	Quadrupole deformation of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Th} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mnc} \rangle 130 \langle \text{mml:mnc} \rangle \langle \text{mml:math} \rangle$ measured in a Coulomb-excitation experiment. Physical Review C, 2020, 102, .	2.9	22
22	Energy calibration of HPGe detector using the high-energy characteristic $\gamma$ rays in $^{13}\text{C}$ formed in $^6\text{Li} + ^{12}\text{C}$ reaction. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	3
23	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
24	SPIDER: A Silicon Pie 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
25	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{C} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mnc} \rangle 12 \langle \text{mml:mnc} \rangle \langle \text{mml:math} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mnc} \rangle 24 \langle \text{mml:mnc} \rangle \langle \text{mml:math} \rangle$ far below the barrier: Evidence for the hindrance effect. Physical Review C, 2020, 101, .	2.9	10
26	Lifetimes of core-excited states in semi-magic $^{95}\text{Rh}$ . European Physical Journal A, 2020, 56, 1.	2.5	2
27	Isospin Symmetry in the $(^{60})\text{Zn}$ Nucleus. Acta Physica Polonica B, 2020, 51, 683.	0.8	0
28	Fusion Hindrance and Pauli Blocking in $^{58}\text{Ni} + ^{64}\text{Ni}$ . Journal of Physics: Conference Series, 2020, 1643, 012105.	0.4	0
29	Study of fusion hindrance in the system $^{12}\text{C} + ^{24}\text{Mg}$ . Journal of Physics: Conference Series, 2020, 1643, 012098.	0.4	0
30	Dealing with contaminants in Coulomb excitation of radioactive beams. Journal of Physics: Conference Series, 2020, 1643, 012146.	0.4	2
31	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
32	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
33	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ba} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mnc} \rangle 133 \langle \text{mml:mnc} \rangle \langle \text{mml:math} \rangle$ and high-spin structure of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ba} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mnc} \rangle 134 \langle \text{mml:mnc} \rangle \langle \text{mml:math} \rangle$ . Physical Review C, 2019, 100, .	2.9	11
34	Sub-barrier fusion involving odd mass nuclei: The case of $^{36}\text{S} + ^{50}\text{Ti}, ^{51}\text{V}$ . European Physical Journal A, 2019, 55, 1.	2.5	7
35	Lifetime measurements of excited states in $^{163}\text{W}$ 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
36	Low-lying states of $^{92,93}\text{Nb}$ excited in the reactions induced by the weakly-bound nucleus $^6\text{Li}$ near the Coulomb barrier *. Chinese Physics C, 2019, 43, 104102.	3.7	6

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37	$\hat{I}\pm$ -decay spectroscopy of the N=130 isotones Ra218 and Th220 : Mitigation of $\hat{I}\pm$ -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
38	Fusion hindrance and Pauli blocking in $^{58}\text{Ni} + ^{64}\text{Ni}$ . EPJ Web of Conferences, 2019, 223, 01062.	2.9	16
39	A new dedicated plunger device for the GALILEO $^{20}\text{Si}$ $\gamma$ -ray detector array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 81-86.	1.6	16
40	Diversity of shapes and rotations in the $\hat{I}^3$ -soft $^{130}\text{Ba}$ nucleus: First observation of a t-band in the $A\hat{I}^3=130$ mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 241-247.	4.1	22
41	NEDA $\gamma$ -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
42	The $4\pi$ $\hat{I}^3$ highly-efficient light-charged-particle detector EUCLIDES, installed at the GALILEO array for in-beam $\hat{I}^3$ -ray spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	23
43	Fusion Hindrance and Pauli Blocking in $^{58}\text{Ni} + ^{64}\text{Ni}$ . EPJ Web of Conferences, 2019, 223, 01062.	0.3	0
44	Study of sub-barrier fusion of $^{36}\text{S} + ^{50}\text{Ti}$ , 51V systems. EPJ Web of Conferences, 2019, 223, 01013.	0.3	1
45	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
46	Multinucleon transfer reactions and proton transfer channels. EPJ Web of Conferences, 2019, 223, 01039.	0.3	0
47	Study of neutron-deficient mercury isotopes Preliminary results on $^{189}\text{Hg}$ . EPJ Web of Conferences, 2019, 223, 01072.	0.3	1
48	Shape coexistence in $^{94}\text{Zr}$ studied via Coulomb excitation. EPJ Web of Conferences, 2019, 223, 01038.	0.3	2
49	Nuclear structure in the neutron-deficient Sn nuclei TKEL effects on lifetime measurements. EPJ Web of Conferences, 2019, 223, 01060.	0.3	4
50	Identification of high-spin proton configurations in $^{136}\text{Ba}$ and $^{137}\text{Ba}$ . Physical Review C, 2019, 99, .	2.9	5
51	Identification of high-K rotation in $^{130}\text{Ba}$ : Testing the consistency of electromagnetic observables. Physical Review C, 2019, 99, .	2.9	8
52	The New Neutron Multiplicity Filter NEDA and Its First Physics Campaign with AGATA. Acta Physica Polonica B, 2019, 50, 585.	0.8	3
53	Study of the Isospin Symmetry in $^{60}\text{Zn}$ . Acta Physica Polonica B, 2019, 50, 481.	0.8	0
54	One-neutron stripping processes to excited states of $^{90}\text{Y}$ in the $^{90}\text{Y} + ^{89}\text{Y}$ system. EPJ Web of Conferences, 2019, 223, 01068.	2.9	19

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55	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
56	Pseudospin Symmetry and Microscopic Origin of Shape Coexistence in the $^{78}\text{Ni}$ isomers in the $N=78$ isotones $^{135}\text{Xe}$ and $^{134}\text{Ba}$ .	7.8	20
57	isomers in the $N=78$ isotones $^{135}\text{Xe}$ and $^{134}\text{Ba}$ . Physical Review C, 2018, 98, 014301.	2.9	4
58	Towards the lowest-energy limit for light ions identification with silicon pixel-type detectors. European Physical Journal A, 2018, 54, 1.	2.5	10
59	M1 and E2 transition rates from core-excited states in semi-magic $^{94}\text{Ru}$ . European Physical Journal A, 2018, 54, 1.	2.5	5
60	High-spin structure in the transitional nucleus $^{131}\text{Xe}$ : Competitive neutron and proton alignment in the vicinity of the $N=82$ shell closure. Physical Review C, 2018, 98, .	2.9	14
61	Electromagnetic Properties of $^{45}\text{Sc}$ Studied by Low-energy Coulomb Excitation. Acta Physica Polonica B, 2018, 49, 567.	0.8	0
62	Isomers and high-spin structures in the $^{81}\text{N}$ isotones $^{135}\text{Xe}$ and $^{134}\text{Ba}$ .	2.9	10
63	First measurement with a new setup for low-energy Coulomb excitation studies at INFN LNL. Physica Scripta, 2017, 92, 074001.	2.5	5
64	High-spin structures in $^{132}\text{Xe}$ and $^{133}\text{Xe}$ and evidence for isomers along the $N=79$ isotones. Physical Review C, 2017, 96, .	2.9	12
65	Study of breakup and transfer of weakly bound nucleus $^6\text{Li}$ to explore the low energy reaction dynamics. EPJ Web of Conferences, 2017, 163, 00066.	0.3	0
66	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
67	Study of Quadrupole Correlations in $N=Z=50$ Region via Lifetime Measurements. Acta Physica Polonica B, 2017, 48, 331.	0.8	3
68	High-spin structure of $^{134}\text{Xe}$ .	2.9	10
69	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	17