

# Anna Corsi

## List of Publications by Year in descending order

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Version: 2024-02-01

108  
papers

2,422  
citations

185998

28  
h-index

223531

46  
g-index

109  
all docs

109  
docs citations

109  
times ranked

1482  
citing authors



#	ARTICLE	IF	CITATIONS
19	X-Ray Fluorescence from the Element with Atomic Number $Z$ . Surface Localization of the Direction in $Z$ .	2.9	36
20	Triaxiality of neutron-rich $^{111}\text{Zr}$ .	2.9	36
21	Physical Review Letters, 2020, 124, 152501.	1.1	34
22	states in $^{90}\text{Zr}$ .	1.1	33
23	Symmetry energy effects on fusion cross sections. Physical Review C, 2011, 83, .	1.1	32
24	$I^2$ -decay studies of neutron-rich Tl, Pb, and Bi isotopes. Physical Review C, 2014, 89, .	1.1	32
25	Shell evolution of $N=40$ isotones towards $^{60}\text{Ca}$ : First spectroscopy of $^{62}\text{Ti}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135071.	1.5	32
26	Excitation of the dynamical dipole in the charge asymmetric reaction $^{16}\text{O}+^{116}\text{Sn}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 197-202.	1.5	30
27	First feasibility experiment for the EXL project with prototype detectors at the ESR storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 77-84.	0.7	30
28	Shell evolution beyond $Z = 28$ and $N = 50$ : Spectroscopy of $^{81,82,83,84}\text{Zn}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 492-497.	1.5	29
29	Measurement of isospin mixing at a finite temperature in $^{80}\text{Zr}$ via giant dipole resonance decay. Physical Review C, 2011, 84, .	1.1	28
30	Low-lying structure and shape evolution in neutron-rich Se isotopes. Physical Review C, 2017, 95, .	1.1	28
31	Extending the Southern Shore of the Island of Inversion to $^{28}\text{F}$ .	2.9	26
32	Physical Review Letters, 2020, 124, 152502.		

#	ARTICLE	IF	CITATIONS
37	Elastic, inelastic, and one-nucleon transfer processes in $^{48}\text{Ca}+^{64}\text{Ni}$ . <i>Physical Review C</i> , 2011, 84, .	1.1	20
38	Inelastic scattering of neutron-rich Ni and Zn isotopes off a proton target. <i>Physical Review C</i> , 2018, 97, .	1.1	20
39	FIRST FEASIBILITY STUDY FOR EXL WITH PROTOTYPE DETECTORS AT THE ESR AND DETECTOR SIMULATIONS. <i>International Journal of Modern Physics E</i> , 2009, 18, 524-530.	0.4	18
40	New $\frac{1}{4}s$ isomers in the neutron-rich $^{210}\text{Hg}$ nucleus. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 292-296.	1.5	18
41	Reaction dynamics and nuclear structure of moderately neutron-rich Ne isotopes by heavy-ion reactions. <i>Physical Review C</i> , 2012, 85, .	1.1	17
42	Tracking with the MINOS Time Projection Chamber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 905, 138-148.	0.7	17
43	Shape coexistence revealed in the $^{72}\text{Kr}$ isotope through inelastic scattering. <i>European Physical Journal A</i> , 2020, 56, 1.	1.0	16
44	Probing the Order-to-Chaos Region in Superdeformed $^{151}\text{Tb}$ and $^{151}\text{Pb}$ nuclei. <i>Physical Review C</i> , 2019, 100, 044601.	2.9	15
45	Collectivity of light Ge and As isotopes. <i>Physical Review C</i> , 2013, 88, .	1.1	15
46	Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from the $^{88}\text{Mo}$ compound nucleus. <i>Physical Review C</i> , 2015, 91, .	1.1	15
47	Shape coexistence and isospin symmetry in $^{70}\text{Kr}$ nuclei: Spectroscopy of the $^{70}\text{Kr}$ nucleus. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 441-446.	1.5	15
48	Structure of $^{13}\text{Be}$ probed via quasi-free scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134843.	1.5	15
49	Shape Change in the Mirror Nuclei $^{70}\text{Kr}$ and $^{70}\text{Se}$ . <i>Physical Review C</i> , 2019, 100, 044601.	2.9	15
50	Measurement of dynamical dipole $\beta^3$ -ray emission in the N/Z-asymmetric fusion reaction $^{16}\text{O}+^{116}\text{Sn}$ at 12 MeV/nucleon. <i>Physical Review C</i> , 2014, 90, .	1.1	13
51	Low-lying single-particle structure of $^{17}\text{C}$ and the $^{14}\text{N}$ sub-shell closure. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135939.	1.5	12
52	Global properties of $^{13}\text{C}$ hindrance probed by the $^{13}\text{C}$ decay of the warm rotating $^{13}\text{C}$ nucleus. <i>Physical Review C</i> , 2013, 88, .	1.1	11
53	Nuclear structure of $^{76}\text{Ni}$ from the $^{76}\text{Ni}$ nucleus. <i>Physical Review C</i> , 2013, 88, .	1.1	11
54	Pairing Forces Govern Population of Doubly Magic $^{54}\text{Ca}$ from Direct Reactions. <i>Physical Review Letters</i> , 2021, 126, 252501.	2.9	11

#	ARTICLE	IF	CITATIONS
55	Production of light hypernuclei with light-ion beams and targets. Physical Review C, 2018, 98, .	1.1	10
56	Shell structure of the neutron-rich isotopes $^{69}\text{Co}$ , $^{71}\text{Co}$ , and $^{73}\text{Co}$ . Physical Review C, 2020, 101, .	1.1	10
57	Shell closure below calcium: Low-lying structure of $^{32}\text{N}$ . Physical Review C, 2020, 101, .	1.1	10
58	New spectroscopic information on $^{211}\text{Tl}$ and $^{213}\text{Tl}$ . Physical Review C, 2020, 101, .	1.1	9
59	A changing structure beyond the $^{126}\text{Se}$ island of stability. Physical Review C, 2020, 101, .	1.1	9
60	Rotation and shape changes in $^{92}\text{Tb}$ and $^{94}\text{Tb}$ . Physical Review C, 2020, 101, .	1.1	8
61	Isoteric decay spectroscopy on the $^{217}\text{Bi}$ isotope. Physical Review C, 2021, 102, .	1.1	8
62	Experimental study of the knockout reaction mechanism using $^{14}\text{O}$ at 60 MeV/nucleon. Physical Review C, 2016, 93, .	1.1	8
63	Manifestation of the Berry phase in the atomic nucleus $^{213}\text{Pb}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136183.	1.5	8
64	The PRESPEC liquid-hydrogen target for in-beam gamma spectroscopy of exotic nuclei at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 736, 81-87.	0.7	7
65	$(p, p_2)$ reaction on $^{213}\text{Bi}$ . Physical Review C, 2020, 101, .	1.1	7

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73	Relativistic Coulomb excitation of $\text{Kr}$ . Physical Review C, 2016, 94, .		5
74	Spectroscopy of nuclei around Sn100 populated via two-neutron knockout reactions. Physical Review C, 2018, 97, .	1.1	5
75	Discovery of $^{68}\text{Br}$ in secondary reactions of radioactive beams. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 266-270.	1.5	5
76	First spectroscopic study of $^{51}\text{Ar}$ by the (p,2p) reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136108.	1.5	5
77	Spectroscopy of $\text{Cd}$ by two-nucleon removal from $\text{In}$ . Physical Review C, 2021, 104, .	1.1	5
78	Pre-equilibrium $I_{\pm}$ -particle emission as a probe to study $I_{\pm}$ -clustering in nuclei. EPJ Web of Conferences, 2014, 66, 03028.	0.1	4
79	Operational Experience With the Readout System of the MINOS Vertex Tracker. IEEE Transactions on Nuclear Science, 2017, 64, 1494-1500.	1.2	4
80	First spectroscopic study of $V$ at the $N=63$ island of inversion. Physical Review C, 2021, 103, .	1.1	4
81	A first glimpse at the shell structure beyond $^{54}\text{Ca}$ : Spectroscopy of $^{55}\text{K}$ , $^{55}\text{Ca}$ , and $^{57}\text{Ca}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136953.	1.5	4
82	Title is missing!. Acta Physica Polonica B, 2011, 42, 619.	0.3	2
83	Measurement of light charged particles in the decay channels of medium-mass excited compound nuclei. EPJ Web of Conferences, 2014, 66, 03090.	0.1	2
84	Exploring continuum structures in reactions with three-body nuclei. Journal of Physics: Conference Series, 2020, 1643, 012075.	0.3	2
85	Border of the island of inversion: Unbound states in $\text{Ne}$ . Physical Review C, 2022, 105, .		2
86	Population Of Neutron Rich Nuclei Around $^{48}\text{Ca}$ With Deep Inelastic Collisions. , 2009, , .		1
87	Reaction dynamics and nuclear structure studies via deep inelastic collisions with heavy-ions: spin and parity assignment in $^{49}\text{Ca}$ . Journal of Physics: Conference Series, 2011, 312, 092037.	0.3	1
88	Isomers in neutron-rich lead isotopes populated via the fragmentation of $^{238}\text{U}$ at 1 GeV A. Journal of Physics: Conference Series, 2011, 312, 092026.	0.3	1
89	Measurement of isospin mixing in $^{80}\text{Zr}$ at finite temperature. , 2011, , .		1
90	Collectivity of neutron-rich Cr and Fe toward $N=50$ . EPJ Web of Conferences, 2016, 107, 03007.	0.1	1



#	ARTICLE	IF	CITATIONS
91	The neutron dripline at $Z=4$ : the case of $^{13,15}\text{Be}$ . European Physical Journal A, 2021, 57, 1.	1.0	1
92	Study of multi-nucleon transfer reactions with light nuclei. AIP Conference Proceedings, 2008, , .	0.3	0
93	Response of AGATA segmented HPGe detectors to gamma-rays up to 15.1 MeV. , 2011, , .		0
94	Reaction Dynamics And Nuclear Structure Via Deep Inelastic Collisions With Heavy-Ions: Search For Particle-Vibration Couplings in $^{49}\text{Ca}$ . , 2011, , .		0
95	Isospin mixing at finite temperature in $^{80}\text{Zr}$ . Journal of Physics: Conference Series, 2012, 381, 012045.	0.3	0
96	Measurements of Dynamical Dipole in isospin asymmetric fusion reactions. Journal of Physics: Conference Series, 2012, 366, 012018.	0.3	0
97	Study of the Order-to-Chaos transition in $^{174}\text{W}$ with the AGATA-Demonstrator. Journal of Physics: Conference Series, 2012, 366, 012045.	0.3	0
98	Isospin mixing at finite temperature in $^{80}\text{Zr}$ . EPJ Web of Conferences, 2014, 66, 02018.	0.1	0
99	New Isomers in the Neutron-Rich Region Beyond $^{208}\text{Pb}$ . EPJ Web of Conferences, 2014, 66, 02043.	0.1	0
100	Dynamical Dipole and Equation of State in N/Z Asymmetric Fusion Reactions. EPJ Web of Conferences, 2014, 66, 03033.	0.1	0
101	The readout electronics and data acquisition system of the MINOS vertex tracker. , 2014, , .		0
102	Physics Program at the RIBF with MINOS. , 2015, , .		0
103	Operational experience with the readout system of the MINOS vertex tracker. , 2016, , .		0
104	Inelastic scattering of $^{72,74}\text{Ni}$ off a proton target. Journal of Physics: Conference Series, 2016, 724, 012008.	0.3	0
105	Spectroscopy of neutron-rich scandium isotopes. Journal of Physics: Conference Series, 2020, 1555, 012026.	0.3	0
106	Signatures of triaxiality in low-spin spectra of $^{86}\text{Ge}$ . Journal of Physics: Conference Series, 2018, 1023, 012023.	0.3	0
107	Spectroscopy of $^{16}\text{B}$ from quasi-free (p,pn) reaction with $^{17}\text{B}$ . Journal of Physics: Conference Series, 2020, 1643, 012162.	0.3	0
108	Structure of Beryllium Isotopes Beyond the Neutron Dripline. Springer Proceedings in Physics, 2020, , 331-335.	0.1	0