

# Adriana Nannini

## List of Publications by Year in descending order

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78  
papers

1,214  
citations

471509

17  
h-index

395702

33  
g-index

79  
all docs

79  
docs citations

79  
times ranked

927  
citing authors

#	ARTICLE	IF	CITATIONS
1	AGATA—Advanced GAMMA Tracking Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 668, 26-58.	1.6	378
2	Conceptual design of the AGATA $\text{array}$ overflow="scroll"><mml:mrow><mml:mn>1</mml:mn><mml:mi>Ï€</mml:mi></mml:mrow></mml:math>array at GANIL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 855, 1-12.	1.6	64
3	Giant Dipole Resonance in the Hot and ThermalizedCe132Nucleus: Damping of Collective Modes at Finite Temperature. Physical Review Letters, 2006, 97, 012501.	7.8	61
4	Full-symmetry and mixed-symmetry states in even ruthenium isotopes. Physical Review C, 1995, 52, 2969-2983.	2.9	47
5	EXILL—a high-efficiency, high-resolution setup for $\hat{I}^3$ -spectroscopy at an intense cold neutron beam facility. Journal of Instrumentation, 2017, 12, P11003-P11003.	1.2	39
6	Interacting boson approximation-2 analysis of the Pd and Ru chains. Mixed symmetry states of $F_{\max}^{-1}$ character in even palladium isotopes. Physical Review C, 1998, 58, 3316-3334.	2.9	36
7	Physics opportunities with the Advanced Gamma Tracking Array: AGATA. European Physical Journal A, 2020, 56, 1.	2.5	32
8	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.	4.1	30
9	Full-symmetry and mixed-symmetry states in $^{110,112,114}\text{Cd}$ . Physical Review C, 1991, 44, 1508-1514.	2.9	28
10	Measurement of isospin mixing at a finite temperature in $^{80}\text{Zr}$ via giant dipole resonance decay. Physical Review C, 2011, 84, .	2.9	28
11	Influence of crystal-orientation effects on pulse-shape-based identification of heavy-ions stopped in silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 605, 353-358.	1.6	27
12	The mutable nature of particle-core excitations with spin in the one-valence-proton nucleus $^{133}\text{Sb}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 273-278.	4.1	27
13	The GALILEO $\hat{I}^3$ -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
14	Onset of triaxial deformation in $^{66}\text{Zn}$ and properties of its first excited $0^+$ state studied by means of Coulomb excitation. Physical Review C, 2021, 103, .	2.9	19
15	Interacting boson approximation-2 analysis of the Pd and Ru chains. Mixed symmetry states of $F_{\max}^{-1}$ character in even palladium and ruthenium isotopes. Physical Review C, 1998, 58, 3335-3345.	2.9	18
16	New isomer in $^{96}\text{Y}$ marking the onset of deformation at $N = 57$ . Europhysics Letters, 2017, 117, 12001.	2.0	18
17	E0 components of $2i+\hat{a}^+2f$ +transitions in even cadmium isotopes and effective monopole charges. Physical Review C, 1991, 44, 1844-1849.	2.9	17
18	Decay properties of the $0^+$ state and spin-parity assignments in $^{78}\text{Kr}$ . Physical Review C, 1995, 52, 2444-2447.	2.9	16

#	ARTICLE	IF	CITATIONS
19	The Ring Counter (RCo): A high resolution ICâ€“Siâ€“CsI(Tl) device for heavy ion reaction studies at 10â€“30MeV/A. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 516-526.	1.6	16
20	Spin-parity assignments and evidence for mixed-symmetry states inRu100. Physical Review C, 1996, 53, 2770-2775.	2.9	15
21	Symmetry character of bands in72â~84Krin the proton-neutron interacting boson model. Physical Review C, 2000, 62, .	2.9	15
22	Spectroscopy and lifetime measurements of states inKr76populated inRb76decay. Physical Review C, 2005, 72, .	2.9	15
23	Lifetime measurements in neutron-rich63,65Co isotopes using the AGATA demonstrator. Physical Review C, 2013, 88, .	2.9	15
24	Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from theMo88compound nucleus. Physical Review C, 2015, 91, .	2.9	15
25	Measurement of proton induced thick target $\hat{3}$ -ray yields on B, N, Na, Al and Si from 2.5 to 4.1 MeV. Nuclear Instruments & Methods in Physics Research B, 2016, 366, 77-82.	1.4	14
26	Decay of the02+state inKr80. Physical Review C, 1993, 47, 521-528.	2.9	13
27	Signatures for mixed-symmetry states in the U(5) limit of the neutron-proton interacting boson model. Physical Review C, 1993, 48, 2657-2664.	2.9	12
28	SPIDER: A Silicon Ple 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
29	Analyzing power of AGATA triple clusters for gamma-ray linear polarization. European Physical Journal A, 2015, 51, 1.	2.5	11
30	Shape coexistence in neutron-deficient $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Hg} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 188 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ investigated via lifetime measurements. Physical Review C, 2020, 102, .	2.9	11
31	$\hat{3}$ -ray decay of excited $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{3} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -ray decay of excited $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{C} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 12 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ levels with a multifold coincidence	2.9	11
32	Transition probabilities in the X(5) candidate $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Ba} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 122 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ . Physical Review C, 2010, 82.	2.9	8
33	High-spin spectroscopy of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Ce} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 139 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ . Physical Review C, 2015, 91, .	2.9	8
34	Front-end electronics for the FAZIA experiment. Journal of Instrumentation, 2016, 11, C01064-C01064.	1.2	8
35	02+and03+states inCd110. Physical Review C, 1990, 41, 1167-1171.	2.9	7
36	Search for the lowest 2+ mixed-symmetry state in102Ru. Zeitschrift FÃ¼r Physik A, 1993, 346, 21-24.	0.9	7

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37	Angular correlations and internal conversion coefficients of $\hat{\text{I}}^3$ -ray transitions in $^{104}\text{Pd}$ . Physical Review C, 2001, 63, .	2.9	7
38	Spectroscopy of $\text{Ru}$ $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Ru} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 98 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle .$ Physical Review C, 2016, 94, .	2.9	7
39	Applications of Rutherford backscattering analysis methods to nuclear physics experiments. Nuclear Instruments & Methods in Physics Research B, 2021, 486, 68-72.	1.4	7
40	Title is missing!. Acta Physica Polonica B, 2011, 42, 633.	0.8	6
41	Lifetime measurements in $\text{Ru}^{100}$ . Physical Review C, 2017, 95, . High-spin intruder states in the mirror nuclei $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{S} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 31 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{P} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 31 \langle \text{mml:mn} \rangle \langle \text{mml:mmul} \rangle$	2.9	6
42		2.9	6
43	Electric monopole transitions in $\text{Te}^{122}$ . Physical Review C, 1987, 36, 2528-2532.	2.9	5
44	First measurement with a new setup for low-energy Coulomb excitation studies at INFN LNL. Physica Scripta, 2017, 92, 074001.	2.5	5
45	A new method for the determination of very small $\hat{\text{I}}^3$ partial widths. EPJ Web of Conferences, 2017, 165, 01009.	0.3	5
46	Symmetry character of positive-parity bands in neutron-rich even palladium isotopes. European Physical Journal A, 2004, 21, 237-242.	2.5	4
47	Probing isospin mixing with the giant dipole resonance in the $\text{Zn}^{60}$ compound nucleus. Physical Review C, 2021, 103, .	2.9	4
48	Calibrating the CsI(Tl) detectors of the GARFIELD apparatus. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 604-609.	1.6	3
49	Spectroscopy of $^{98}\text{Ru}$ . EPJ Web of Conferences, 2014, 66, 02071.	0.3	3
50	First results of the Hoyle-Gamma experiment: study of the excited levels in carbon-12 gamma decay. Journal of Physics: Conference Series, 2018, 1078, 012010.	0.4	3
51	Coulomb excitation studies at LNL with the SPIDER-GALILEO set-up. Physica Scripta, 2020, 95, 024005.	2.5	3
52	On the $^{12}\text{C}$ Hoyle state gamma decay. Journal of Physics: Conference Series, 2020, 1668, 012004.	0.4	3
53	SLICES: Spes Low-energy Internal Conversion Electron Spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1020, 165860.	1.6	3
54	The $\hat{\text{I}}^3$ -decay of the GDR in highly excited Ce nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1973-S1977.	3.6	2

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55	Title is missing!. Acta Physica Polonica B, 2011, 42, 619.	0.8	2
56	Measurement of light charged particles in the decay channels of medium-mass excited compound nuclei. EPJ Web of Conferences, 2014, 66, 03090.	0.3	2
57	AGATA modules as Compton polarimeters for the measurement of gamma-ray linear polarisation. EPJ Web of Conferences, 2014, 66, 11004.	0.3	2
58	Shape coexistence in $^{94}\text{Zr}$ studied via Coulomb excitation. EPJ Web of Conferences, 2019, 223, 01038.	0.3	2
59	Symmetry character of collective states in $^{104}\text{Pd}$ populated in the $\text{EC-}\hat{1}^2_+$ decay of $^{104}\text{Ag}$ . European Physical Journal A, 2002, 13, 339-347.	2.5	1
60	Isotope analysis in central heavy ion collisions at intermediate energies. European Physical Journal: Special Topics, 2007, 150, 21-22.	2.6	1
61	Title is missing!. Acta Physica Polonica B, 2011, 42, 639.	0.8	1
62	Measurement of isospin mixing in $^{80}\text{Zr}[\hat{1}^-]$ at finite temperature. , 2011, , .		1
63	Electric monopole transitions and structure of low-spin states in $^{106}\text{Pd}$ . Physical Review C, 2022, 105, 024307.	2.9	1
64	Electric monopole transitions in $^{76}\text{Se}$ . Zeitschrift für Physik A, Atomic Nuclei, 1986, 325, 157-161.	0.3	0
65	GAMMA-RAY AND CONVERSION-ELECTRON SPECTROSCOPY IN $^{98}\text{Ru}$ . , 2002, , .		0
66	Light Charged Particles Emission and the Giant Dipole Resonance in Highly Excited Ce Nucleus Formed in Reactions with Different Mass Asymmetries. AIP Conference Proceedings, 2006, , .	0.4	0
67	Transition probabilities in the X(5) candidate $^{122}\text{Ba}$ . , 2009, , .		0
68	Lifetime measurements in light barium isotopes. AIP Conference Proceedings, 2010, , .	0.4	0
69	Isospin mixing at finite temperature in $^{80}\text{Zr}$ . Journal of Physics: Conference Series, 2012, 381, 012045.	0.4	0
70	Measurements of Dynamical Dipole in isospin asymmetric fusion reactions. Journal of Physics: Conference Series, 2012, 366, 012018.	0.4	0
71	Dynamical Dipole and Equation of State in N/Z Asymmetric Fusion Reactions. EPJ Web of Conferences, 2014, 66, 03033.	0.3	0
72	g-factor measurements of isomeric states in $^{174}\text{W}$ . EPJ Web of Conferences, 2016, 117, 04007.	0.3	0

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73	Gamma ray detection with CHIMERA at LNS: results and perspectives. Journal of Physics: Conference Series, 2020, 1561, 012007.	0.4	0
74	PRELIMINARY RESULTS AND FUTURE ACTIVITIES AT THE GARFIELD APPARATUS. , 2002, , .		0
75	STRUCTURE OF BANDS IN NEUTRON-RICH EVEN PALLADIUM ISOTOPES. , 2004, , .		0
76	Electromagnetic Properties of $^{45}\text{Sc}$ Studied by Low-energy Coulomb Excitation. Acta Physica Polonica B, 2018, 49, 567.	0.8	0
77	The $\hat{I}^3$ decay of the Hoyle and higher excitation energy states of $^{12}\text{C}$ . Journal of Physics: Conference Series, 2020, 1643, 012145.	0.4	0
78	g factor of the $^{12}\text{C}^+$ K-isomer in $^{174}\text{W}$ . European Physical Journal A, 2020, 56, .	2.5	0