

Roberto Menegazzo

List of Publications by Year in descending order

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313
papers

7,655
citations

53794

45
h-index

82547

72
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320
all docs

320
docs citations

320
times ranked

2995
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	Astrophysical S-factor of $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 61-68.	4.1	289
3	S-factor of $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$ at astrophysical energies. European Physical Journal A, 2005, 25, 455-466.	2.5	203
4	$N=40$ Neutron Subshell Closure in the ^{68}Ni Nucleus. Physical Review Letters, 1995, 74, 868-871.	7.8	190
5	Activation Measurement of the $^3\text{He}(\hat{1}^{\pm}, \hat{1}^3)^7\text{Be}$ Cross Section at Low Energy. Physical Review Letters, 2006, 97, 122502.	7.8	136
6	The bottleneck of CNO burning and the age of Globular Clusters. Astronomy and Astrophysics, 2004, 420, 625-629.	5.1	121
7	Astrophysical S-factor of the $^3\text{He}(\hat{1}^{\pm}, \hat{1}^3)^7\text{Be}$ reaction measured at low energy via detection of prompt and delayed $\hat{1}^3$ rays. Physical Review C, 2007, 75, .	2.9	117
8	Conceptual design and infrastructure for the installation of the first AGATA sub-array at LNL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 88-96.	1.6	117
9	Multinucleon transfer reactions in closed-shell nuclei. Physical Review C, 2007, 76, .	2.9	116

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#	ARTICLE	IF	CITATIONS
19	Coulomb Energy Differences in T=1 Mirror Rotational Bands in ^{50}e and ^{50}r . Physical Review Letters, 2001, 87, 122501.	7.8	76
20	The S-factor at solar energies: The prompt ^3H experiment at LUNA. Nuclear Physics A, 2008, 814, 144-158.	1.5	71
21	Feasibility of low-energy radiative-capture experiments at the LUNA underground accelerator facility. European Physical Journal A, 2005, 24, 313-319.	2.5	64
22	Low energy measurement of the $^{14}\text{N}(p, \alpha)^{15}\text{O}$ total cross section at the LUNA underground facility. Nuclear Physics A, 2006, 779, 297-317.	1.5	64
23	The $^{25}\text{Mg}(p, \alpha)^{26}\text{Al}$ reaction at low astrophysical energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 60-65.	4.1	64
24	Origin of meteoritic stardust unveiled by a revised proton-capture rate of ^{17}O . Nature Astronomy, 2017, 1, .	10.1	64
25	Conceptual design of the AGATA γ -ray spectrometer for their characterization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 855, 1-12.	1.6	64
26	Stability of the N=50 shell gap in the neutron-rich Rb, Br, Se, and Ge isotones. Physical Review C, 2004, 70, .	2.9	62
27	The worldwide NORM production and a fully automated gamma-ray spectrometer for their characterization. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 445-457.	1.5	62
28	Spectroscopy of odd-mass cobalt isotopes toward the N=40 subshell closure and shell-model description of spherical and deformed states. Physical Review C, 2012, 85, .	2.9	61
29	Ultra-sensitive in-beam γ -ray spectroscopy for nuclear astrophysics at LUNA. European Physical Journal A, 2009, 39, 179-186.	2.5	59
30	Isospin Character of Low-Lying Pygmy Dipole States in ^{208}Pb via Inelastic Scattering of ^{17}O . Physical Review Letters, 2014, 112, 052501.	7.8	59
31	Improved Direct Measurement of the 64.5 keV Resonance Strength in the ^{17}O . Physical Review Letters, 2014, 112, 052501.	4.1	57
32	Improved Direct Measurement of the 64.5 keV Resonance Strength in the ^{17}O .		

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37	Linking ground state of the ^{17}O reaction relevant for explosive hydrogen burning. <i>Physical Review C</i> , 2014, 89, .	2.9	53
38	IMPACT OF A REVISED $^{25}\text{Mg}(p, \hat{1}^3)^{26}\text{Al}$ REACTION RATE ON THE OPERATION OF THE Mg-Al CYCLE. <i>Astrophysical Journal</i> , 2013, 763, 100.	4.5	52
39	Collective nature of low-lying excitations in ^{70}Zn and ^{72}Zn . First Direct Measurement of the ^{17}O reaction relevant for explosive hydrogen burning using the AGATA spectrometer. <i>Physical Review C</i> , 2013, 87, .	2.9	50
40	mathvariant="bold">F</math> Cross-section Measurement of the Cosmologically Relevant $^{18}\text{F}(n, \hat{1}^3)^{19}\text{F}$ Reaction over a Broad Energy Range in a Single Experiment. <i>Astrophysical Journal</i> , 2019, 879, 23.	4.5	49
41	New experimental study of low-energy ^{17}O isotopes. <i>Physical Review C</i> , 2010, 82, .	2.9	48
42	Probing the nature of particle-core couplings in ^{49}Ca with $\hat{1}^3$ spectroscopy and heavy-ion transfer reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 697, 288-293.	4.1	48
43	Linking transitions between the highly deformed states and the yrast states of normal deformation in ^{133}Nd . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 309, 235-240.	4.1	47
44	Spectroscopy of neutron-rich ^{59}Mn and ^{63}Mn . <i>Physical Review C</i> , 2008, 78, .	2.9	47
45	A new FSA approach for in situ $\hat{1}^3$ ray spectroscopy. <i>Science of the Total Environment</i> , 2012, 414, 639-645.	8.0	47
46	A new study of the $^{22}\text{Ne}(p, \hat{1}^3)^{23}\text{Na}$ reaction deep underground: Feasibility, setup and first observation of the 186 keV resonance. <i>European Physical Journal A</i> , 2014, 50, 1.	2.5	46
47	Direct measurement of the $^{15}\text{N}(p, \hat{1}^3)^{16}\text{O}$ total cross section at novae energies. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 045202.	3.6	45
48	Preparation and characterisation of isotopically enriched Ta ₂ O ₅ targets for nuclear astrophysics studies. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	43
49	Stable triaxiality at the highest spins in ^{138}Nd and ^{139}Nd . <i>Physical Review C</i> , 1999, 61, .	2.9	42
50	Dynamical deformation of nuclei in deep-inelastic collisions: A gamma coincidence study of $^{130}\text{Te}+^{275}\text{MeV } ^{64}\text{Ni}$ and $^{208}\text{Pb}+^{345}\text{MeV } ^{58}\text{Ni}$ heavy ion reactions. <i>Nuclear Physics A</i> , 2010, 832, 170-197.	1.5	42
51	The ^{17}O reaction relevant for explosive hydrogen burning using the AGATA spectrometer. <i>Physical Review C</i> , 2013, 87, .	2.9	50
52	mathvariant="bold">F</math> Cross-section Measurement of the Cosmologically Relevant $^{18}\text{F}(n, \hat{1}^3)^{19}\text{F}$ Reaction over a Broad Energy Range in a Single Experiment. <i>Astrophysical Journal</i> , 2019, 879, 23.	4.5	49

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55	Observation of ^{54}Ni : Cross-Conjugate Symmetry in $^{7/2}$ Mirror Energy Differences. <i>Physical Review Letters</i> , 2006, 97, 152501.	7.8	41
56	Coulomb energy differences between isobaric analogue states in ^{70}Br and ^{70}Se . <i>European Physical Journal A</i> , 2001, 12, 51-55.	2.5	40
57	Isospin mixing in the $N=Z$ nucleus ^{64}Ge . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 551, 56-62.	4.1	40
58	^{22}Ne and ^{23}Na ejecta from intermediate-mass stars: the impact of the new LUNA rate for $^{22}\text{Ne}(p, \alpha)^{19}\text{F}$. ^{23}Na . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4817-4837. http://www.w3.org/1998/Math/MathML	4.4	40
59	^{13}C and ^{13}C resonances in $^{13}\text{C} + ^{16}\text{O}$. <i>Physical Review Letters</i> , 2016, 117, 062501.	7.8	40
60	Superdeformed and Triaxial States in ^{42}Ca . <i>Physical Review Letters</i> , 2016, 117, 062501.	7.8	39
61	$^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ and $^{23}\text{Na}(p, \alpha)^{20}\text{Ne}$ resonances. <i>Physical Review Letters</i> , 2016, 117, 062501.	7.8	39
62	A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the $189.5\text{ keV }^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ resonance. <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	39
63	Revision of the $^{15}\text{N}(p, \alpha)^{12}\text{C}$ reaction rate and oxygen abundance in H-burning zones. <i>Astronomy and Astrophysics</i> , 2011, 533, A66.	5.1	38
64	Constraining the $^{15}\text{N}(p, \alpha)^{12}\text{C}$ reaction rate and oxygen abundance in H-burning zones. <i>Astronomy and Astrophysics</i> , 2011, 533, A66.		

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73	Development of magnetic rotation in light Gd nuclei; study of ^{142}Gd . European Physical Journal A, 2002, 13, 297-305.	2.9	33
74	Yrast isomers in ^{95}Ag , ^{95}Pd , and ^{94}Pd . Physical Review C, 2003, 67, .	2.9	32
75	Investigation of lifetimes in dipole bands of ^{141}Eu . European Physical Journal A, 2004, 21, 1-6.	2.5	32
76	β^- -decay studies of neutron-rich Tl, Pb, and Bi isotopes. Physical Review C, 2014, 89, .	2.9	32
77	Neutron-induced background by an $\hat{1}\pm$ -beam incident on a deuterium gas target and its implications for the study of the $^2\text{H}(\hat{1}\pm, l^3)^6\text{Li}$ reaction at LUNA. European Physical Journal A, 2013, 49, 1.	2.5	31
78	Boundary of the Island of Deformat. Physical Review Letters, 2017, 118, 162501.	7.8	31
79	Observation of the $N=Z=44$ nucleus. Physical Review C, 2001, 63, .	2.9	30
80	Measurement of the $B(10, \hat{1}\pm 0)\text{Be}7$ cross section from 5 keV to 1.5 MeV in a single experiment using the Trojan horse method. Physical Review C, 2017, 95, .	2.9	30
81	Improved background suppression for radiative capture reactions at LUNA with HPGe and BGO detectors. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 025203.	3.6	30
82	Direct Capture Cross Section and the 105 keV Resonances in the ^{222}Rn half-life: A probe to monitor the stability of radioactivity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 121, 172701.	7.8	30
83	Delayed alignments in the $N=Z$ nuclei ^{84}Mo and ^{88}Ru . Physical Review C, 2002, 65, .	2.9	29
84	Study of the neutron-rich nucleus ^{36}Si . Physical Review C, 2006, 74, .	2.9	29
85	Spectroscopy of neutron-rich ^{168}Dy and ^{170}Dy . Yrast band evolution close to the $N=Z$ line. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 526-530.	2.9	29
86	Precise measurement of the ^{222}Rn half-life: A probe to monitor the stability of radioactivity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 526-530.	4.1	29
87	Neutron and proton transfer in $^{32,36}\text{S}$ and $^{58,64}\text{Ni}$ around the Coulomb barrier. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 15-19.	4.1	28
88	Lifetimes in the middle of shell: cross-conjugated nuclei ^{47}V and ^{49}Cr . Nuclear Physics A, 2001, 693, 517-532.	1.5	28
89	Isospin symmetry breaking at high spin in the mirror nuclei ^{35}Ar and ^{35}Cl . Physical Review C, 2007, 75, .	2.9	28

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91	Electroscopy of the neutron-rich nuclei ^{89}Rb . <i>Physical Review Letters</i> , 2002, 89, 122501.	2.9	27
92	Investigations of the level scheme of ^{144}Gd and lifetimes in the quadrupole bands. <i>European Physical Journal A</i> , 2004, 21, 37-55.	2.5	26
93	Shape evolution beyond ^{40}Ca and ^{69}Cu . <i>Physical Review Letters</i> , 2004, 93, 122501.	2.9	26
94	Transition probabilities in neutron-rich ^{84}Sr and ^{86}Sr . <i>Physical Review C</i> , 2015, 92, .	2.9	25
95	The impact of the revised $^{17}\text{O}(p, i^{\pm})^{14}\text{N}$ reaction rate on ^{17}O stellar abundances and yields. <i>Astronomy and Astrophysics</i> , 2017, 598, A128.	5.1	25
96	i^{\pm} endpoint measurements near ^{100}Sn and ^{146}Gd . <i>Zeitschrift für Physik A</i> , 1991, 340, 363-370.	0.9	24
97	Electromagnetic transitions and structure in the $Z=N$ nucleus ^{46}V . <i>Physical Review C</i> , 2001, 64, .	2.9	24
98	Search for correlations between solar flares and decay rate of radioactive nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 720, 116-119.	4.1	24
99	Isospin Properties of Nuclear Pair Correlations from the Level Structure of the Self-Conjugate Nucleus ^{140}Ce . <i>Physical Review C</i> , 2016, 93, .	2.9	24
100	Isospin Properties of Nuclear Pair Correlations from the Level Structure of the Self-Conjugate Nucleus ^{140}Ce . <i>Physical Review Letters</i> , 2020, 124, 062501.	7.8	24
101	Pronounced shape change induced by quasiparticle alignment. <i>Physical Review C</i> , 2000, 61, .	2.9	23
102	Study of beam heating effect in a gas target through Rutherford scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 569, 727-731.	1.6	23
103	A multivariate spatial interpolation of airborne i^{\pm} -ray data using the geological constraints. <i>Remote Sensing of Environment</i> , 2013, 137, 1-11.	11.0	23
104	Shape evolution in the neutron-rich osmium isotopes: Prompt i^{\pm} -ray spectroscopy of ^{196}Os . <i>Physical Review C</i> , 2014, 90, .	2.9	23
105	Direct measurements of low-energy resonance strengths of the $^{23}\text{Na}(p, i^{\pm})^{24}\text{Mg}$ reaction for astrophysics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 122-128.	4.1	23
106	The π^{\pm} highly-efficient light-charged-particle detector EUCLIDES, installed at the GALILEO array for in-beam i^{\pm} -ray spectroscopy. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	23
107	Decay Out of Low Spin Superdeformed States in ^{194}Pb by Weak Mixing with Normal Deformed States. <i>Physical Review Letters</i> , 1994, 73, 3359-3362.	7.8	22
108	Isospin Mixing in ^{80}Zr From Finite to Zero Temperature. <i>Physical Review Letters</i> , 2015, 115, 222502.	7.8	22

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109	Iron transfer in ^{60}Sn probed via ^{116}Sn Quadrupole collectivity in ^{42}Ca	2.9	22
110	^{42}Ca from low-energy Coulomb excitation with AGATA. <i>Physical Review C</i> , 2018, 97, .	2.9	22
111	Improved astrophysical rate for the $^{18}\text{O}(p, \hat{1}\pm)^{15}\text{N}$ reaction by underground measurements. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 237-242.	4.1	22
112	Setup commissioning for an improved measurement of the $\text{D}(p, \gamma)^3\text{He}$ cross section at Big Bang Nucleosynthesis energies. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	22
113	Investigation of lifetimes in the dipole band of ^{139}Sm . <i>European Physical Journal A</i> , 2008, 37, 279-286. Characterization of the LUNA neutron detector array for the measurement of the $^{13}\text{C}(\alpha, n)^{16}\text{O}$ reaction. <i>Overlock 10 Tf 50</i>	2.5	21
114		1.6	21
115	Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, The GALILEO ^{13}I -ray array at the Legnaro National Laboratories. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1015, 165753.	1.6	21
116	Rotational quenching of the $N = 72$ shell gap and the role of the intruder orbital in ^{132}Nd . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 415, 223-230.	4.1	20
117	High-Kband of unnatural parity in ^{49}Cr . <i>Physical Review C</i> , 1999, 60, .	2.9	20
118	Octupole-deformed molecular bands in ^{21}Ne . <i>European Physical Journal A</i> , 2005, 26, 321-326.	2.5	20
119	Pseudospin Symmetry and Microscopic Origin of Shape Coexistence in the ^{78}Ni	7.8	20
120	A new approach to monitor ^{13}C -targets degradation in situ for $^{13}\text{C}(\alpha, n)^{16}\text{O}$ reaction. <i>Overlock 10 Tf 50</i>	2.5	20
121	Collisions between ^{106}Cd and ^{54}Fe at 30 MeV above the Coulomb barrier by high resolution $\hat{1}^{\pm 3}$ coincidences. <i>Physical Review C</i> , 1994, 49, R575-R579.	2.9	19
122	First characterisation of natural radioactivity in building materials manufactured in Albania. <i>Radiation Protection Dosimetry</i> , 2013, 155, 217-223.	0.8	19
123	Onset of triaxial deformation in ^{66}Zn and properties of its first excited state studied by means of Coulomb excitation. <i>Physical Review C</i> , 2021, 103, .	2.9	19
124	Study of very neutron deficient nuclei ^{178}Pt and ^{181}Au . <i>European Physical Journal A</i> , 1999, 4, 17-19.	2.5	18
125	PRISMA - a magnetic spectrometer for heavy ions at LNL. <i>Nuclear Physics A</i> , 2004, 734, E1-E4.	1.5	18
126	New $\hat{1}/4s$ isomers in the neutron-rich ^{210}Hg nucleus. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 292-296.	4.1	18

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127	Cross section of the reaction $^{18}\text{O}(p, \hat{1}^3)^{19}\text{F}$ at astrophysical energies: The 90 keV resonance and the direct capture component. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134900.	4.1	18
128	Observation of a doublet band in the nucleus ^{128}Pr . <i>Physical Review C</i> , 2002, 65, .	2.9	17
129	Gamma-decay study of ^{21}Na and ^{21}Ne , octupole bands in ^{21}Ne . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2003, 29, 509-519.	3.6	17
130	Highly deformed band in ^{138}Nd . <i>Physical Review C</i> , 2004, 69, .	2.9	17
131	High-spin behavior of multiple bands in the $N=Z+1$ nucleus ^{81}Zr : A possible probe of enhanced neutron-proton correlations. <i>Physical Review C</i> , 2004, 69, .	2.9	17
132	Yrast studies of $^{80,82}\text{Se}$ using deep-inelastic reactions. <i>Physical Review C</i> , 2007, 76, .	2.9	17
133	High-spin level structure in ^{94}Mo . <i>Physical Review C</i> , 2008, 78, .	2.9	17
134	A new study of $^{10}\text{B}(p, \alpha)^7\text{Be}$ reaction at low energies. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	17
135	First identification of yrast decay and shell model description of the $N=Z+1$ nucleus ^{93}Pd . <i>Physical Review C</i> , 2004, 69, .	2.9	16
136	Investigation of lifetimes in quadrupole bands of ^{142}Gd . <i>European Physical Journal A</i> , 2008, 35, 135-158.	2.5	16
137	Total natural radioactivity, Veneto (Italy). <i>Journal of Maps</i> , 2015, 11, 545-551.	2.0	16
138	A new dedicated plunger device for the GALILEO $\hat{1}^3$ -ray detector array. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 920, 95-99.	1.6	16
139	Pairing-quadrupole interplay in the neutron-deficient tin nuclei: First lifetime measurements of low-lying states in $^{106,108}\text{Sn}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 806, 135474.	4.1	16
140	High-spin states in the deformed ^{122}Ba nucleus. <i>European Physical Journal A</i> , 2001, 12, 135-137.	2.5	15
141	Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator. <i>Physical Review C</i> , 2013, 88, .	2.9	15
142	Complete valence particle yrast lines in $N=84$ nuclei above gadolinium. <i>Physical Review C</i> , 1996, 54, R1-R5.	2.9	14
143	First observation of excited states in the $T_z=1/2$ nucleus ^{85}Mo . <i>Physical Review C</i> , 2002, 65, .	2.9	14
144	Quadrupole moments and g factors for high-spin neutron isomers in ^{193}Pb . <i>Physical Review C</i> , 2004, 70, .	2.9	14

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145	High-spin structure and intruder excitations in ^{35}Cl . Physical Review C, 2012, 86, .	2.9	14
146	High-spin level structure of ^{35}S . Physical Review C, 2014, 89, .	2.9	14
147	^{40}K and ^{40}Ca intruder excitations. Physical Review C, 2014, 89, .	4.3	14
148	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
149	Lifetime measurements in ^{54}Ti to study shell evolution toward $N=32$. Physical Review C, 2019, 100, .	2.9	14
150	Testing $ab\text{ initio}$ nuclear structure in neutron-rich nuclei: Lifetime measurements of second state in ^{16}C . Physical Review C, 2019, 100, .	2.9	14
151	Double band crossing in the superdeformed nucleus ^{145}Gd . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 456-461.	4.1	13
152	Superdeformed band g -factor in ^{133}Nd . Nuclear Physics A, 1995, 589, 106-116.	1.5	13
153	High-spin structure of ^{37}Cl intruder excitations, and the ^{37}Cl β -decay. Nuclear Physics A, 2009, 818, 1-35.	2.9	13
154	In-beam gamma-ray spectroscopy and shell-model description of $^{85,86}\text{Y}$ isotopes. Nuclear Physics A, 2009, 818, 1-35.	1.5	13
155	Search for time modulations in the decay constant of ^{40}K and ^{226}Ra at the underground Gran Sasso Laboratory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 61-65.	4.1	13
156	Effect of beam energy straggling on resonant yield in thin gas targets: The cases $^{22}\text{Ne}(p, \gamma)^{23}\text{Na}$ and $^{14}\text{N}(p, \gamma)^{15}\text{O}$. Europhysics Letters, 2018, 122, 52001.	2.0	13
157	Effects of one valence proton on seniority and angular momentum of neutrons in neutron-rich ^{51}Sb . Physical Review C, 2019, 100, 014301.	2.9	13
158	Low-energy resonances in the ^{122}O β -decay. Physical Review C, 2019, 100, 014302.	2.9	13
159	The CLARA-PRISMA setup installed at LNL: first results. Journal of Physics C: Nuclear and Particle Physics, 2005, 31, S1443-S1448.	3.6	12
160	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
161	In-beam ^{133}Xe β -ray spectroscopy of the neutron-rich platinum isotope ^{133}Pt . Physical Review C, 2019, 100, 014303.	2.9	12
162	Underground experimental study finds no evidence of low-energy resonance in the ^{13}Li β -decay. Physical Review C, 2020, 102, .	2.9	12

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163	Energy inversion of the $7/2$ and $9/2$ neutrons in yrast states of ^{154}Yb . Zeitschrift für Physik A, 1993, 345, 327-328.	0.9	11
164	Spectroscopic quadrupole moments of high-spin isomers in ^{193}Pb . European Physical Journal A, 2003, 20, 191-192.	2.5	11
165	Suppression of band crossing in the neutron-rich nuclei $^{172}, ^{173}\text{Yb}$ due to the absence of a static pair field. European Physical Journal A, 2005, 26, 19-24.	2.5	11
166	In-beam experiment with the \hat{I}^3 -ray tracking detector MARS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 586, 421-431.	1.6	11
167	Two-phonon octupole excitation in ^{146}Gd . Physical Review C, 2010, 81, .	2.9	11
168	Total natural radioactivity, Tuscany, Italy. Journal of Maps, 2013, 9, 438-443.	2.0	11
169	Global properties of K hindrance probed by the \hat{I}^3 decay of the warm rotating ^{174}W nucleus. Physical Review C, 2013, 88, .	2.9	11
170	Analyzing power of AGATA triple clusters for gamma-ray linear polarization. European Physical Journal A, 2015, 51, 1.	2.5	11
171	Isomer spectroscopy in ^{133}Ba and high-spin structure of ^{133}Ba . Physical Review C, 2019, 100, .	2.9	11
172	Shape coexistence in neutron-deficient ^{188}Hg investigated via lifetime measurements. Physical Review C, 2020, 102, .	2.9	11
173	Observation of a crossing in ^{180}Os . Nuclear Physics A, 1999, 645, 465-491.	1.5	10
174	Signature inversion in $^{13/2}^{\pm}$ structure in ^{178}Ir . European Physical Journal A, 2001, 10, 245-248.	2.5	10
175	Spectroscopy near the proton drip line in the deformed $A=130$ mass region: The ^{126}Pr nucleus. Physical Review C, 2001, 64, .	2.9	10
176	Signature inversion and deformation driving effects in ^{178}Ir . Physical Review C, 2003, 67, .	2.9	10
177	Spectroscopy of the neutron-rich actinide nucleus ^{240}U following multinucleon-transfer reactions. Physical Review C, 2015, 92, .	2.9	10
178	High-spin structure of ^{134}Xe . Physical Review C, 2016, 93, .	2.9	10
179	Isotones ^{81}Xe and ^{81}Ba . Physical Review C, 2019, 100, .	2.9	10
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