Enrico Maglione

List of Publications by Year
in descending order

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119 papers	1,765 citations	257450 24 h-index	315739 38 g-index
119 all docs	119 docs citations	119 times ranked	707 citing authors

#	Article	IF	Citations
1	Proton emission study as a guide to astrophysical rp process. EPJ Web of Conferences, 2022, 260, 11039.	0.3	0
2	Fine structure in the odd-odd proton emitter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tm</mml:mi><mml:mprescripts /><mml:none /><mml:mn>144</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105,	2.9	2
3	Nanosecond Scale Proton Emission from Strongly Oblate-Deformed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Lu</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mn>149</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>.	7.8	13
4	Behavior of chiral bands in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cs</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>128</mml:mn><mml:mo>,</mml:mo><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>La</mml:mi><mml:mprescripts	2.9	3
5	Interpretation of I108 as an odd-odd Î³ -deformed proton emitter. Physical Review C, 2021, 103, .	2.9	5
6	Chirality in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mtext mathvariant="normal">136,138</mml:mtext></mml:mrow></mml:msup></mml:math>Pm. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135937.	4.1	5
7	Nonadiabatic quasiparticle description of rotation-particle coupling in triaxial oddâ€“odd nuclei. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 125105.	3.6	6
8	Nuclear structure of proton drip-line nuclei as an input to nuclear astrophysics. Journal of Physics: Conference Series, 2020, 1643, 012048.	0.4	0
9	New spectroscopic information on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>211</mml:mn><mml:mo>,</mml:mo><mml:mn>213</mml:mn></mml:mrow></mml:mmultiscripts></mml:m : A changing structure beyond the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>126</mml:	2.9	9
10	Nonadiabatic quasiparticle approach for rotation-particle coupling in triaxial odd-Anuclei. Physical Review C, 2017, 95, .	2.9	13
11	Modified particle-rotor model and low-lying rotational bands in odd-Atriaxial nuclei. Physica Scripta, 2017, 92, 094002.	2.5	1
12	Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tm</mml:mi><mml:mprescripts /><mml:none /><mml:mn>147</mml:mn></mml:mmultiscripts></mml:math> and the role of triaxiality studied with a nonadiabatic quasiparticle approach. Physical Review C, 2017, 96, .	2.9	10
13	Discovery of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Rb</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>72</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> : A Nuclear Spectroscopy Beyond the Proton Drip Line. Physical Review Letters, 2017, 119, 192503.	7.8	22
14	Triaxiality in the proton emitter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">I</mml:mi><mml:mprescripts /><mml:none /><mml:mn>109</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 95, .	2.9	10
15	Self-consistent description of deformed nuclei at the proton drip line. EPJ Web of Conferences, 2016, 117, 06004.	0.3	1
16	Proton emission from the deformed odd-odd nuclei near drip line. Journal of Physics: Conference Series, 2016, 665, 012049.	0.4	0
17	Progresses in proton radioactivity studies. AIP Conference Proceedings, 2016, , .	0.4	0
18	Deformation of the proton emitter<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="bold">Cs</mml:mi><mml:mprescripts /><mml:none /><mml:mn>113</mml:mn></mml:mmultiscripts></mml:math>from electromagnetic transition and proton-emission rates. Physical Review C, 2016, 94, .	2.9	6

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19	Covariant density functional theory for decay of deformed proton emitters: A self-consistent approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 237-241.	4.1	6
20	Proton emission from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pm</mml:mi><mml:mprescripts /><mml:none /><mml:mn>125</mml:mn></mml:mmultiscripts></mml:math> could be observed. Physical Review C, 2016, 94, .	2.9	5
21	Oblately deformed isomeric proton-emitting state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Lu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>151</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2015, 91, .	2.9	14
22	Non-adiabatic description of proton emission from the odd-odd nucleus130Eu. EPJ Web of Conferences, 2014, 66, 02080.	0.3	0
23	Theoretical studies of nuclei at the proton drip-line. Journal of Physics: Conference Series, 2013, 420, 012053.	0.4	0
24	Proton emission from an oblate nucleus 151Lu. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	4.1	25
25	Effects of Coriolis and residual neutronâ€“proton interactions in the proton emission from 130Eu. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 979-982.	4.1	8
26	Nonadiabatic quasiparticle approach for deformed odd-odd nuclei and the proton emitter<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>130</mml:mn></mml:msup></mml:math>Eu. Physical Review C, 2013, 88, .	2.9	13
27	Theoretical studies of exotic drip-line nuclei. , 2012, , .		0
28	New Isomers in the Full Seniority Scheme of Neutron-Rich Lead Isotopes: The Role of Effective Three-Body Forces. Physical Review Letters, 2012, 109, 162502.	7.8	56
29	Nuclear Structure Studies at the Borders of Stability. Journal of Physics: Conference Series, 2011, 312, 092024.	0.4	0
30	Self-consistent description of proton radioactivity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 508-511.	4.1	35
31	Nonadiabatic effects in odd-odd deformed proton emitters. , 2011, , .		0
32	Theoretical studies of proton emission from drip-line nuclei.. , 2011, , .		0
33	Two-proton sequential decay from excited states of [sup 18]Ne. , 2011, , .		0
34	Nuclear Structure Studies of Exotic Nuclei. , 2011, , .		0
35	Assigning Î³ deformation from fine structure in exotic nuclei. , 2011, , .		0
36	Proton emission as a probe for Partial Rotation Alignment. Nuclear Physics A, 2010, 834, 416c-419c.	1.5	0

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37	Probing the nuclear structure of drip-line nuclei. , 2010, , .		0
38	Lifetime Measurements of the Neutron-Rich<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>30</mml:mn></mml:math>Isotones<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mn>50</mml:mn></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>32</mml:mn></mml:math>.	7.8	78
39	Lifetime Measurements of the Neutron-Rich<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>30</mml:mn></mml:math>Isotones<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mn>50</mml:mn></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.	7.8	0
40	Evidence for partial rotation alignment in proton emitting 121 Pr. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 673, 15-18.	4.1	11
41	Proton emission, gamma deformation, and the spin of the isomeric state of 141Ho. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 443-447.	4.1	29
42	Triaxial deformations in the proton emitters [sup 161]Re and [sup 185]Bi. AIP Conference Proceedings, 2008, , .	0.4	0
43	The structure and shape of exotic nuclei beyond the proton drip-line. , 2008, , .		0
44	Fine structure in proton radioactivity: An accurate tool to ascertain the breaking of axial symmetry in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Tm</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>145</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2008, 78, .	2.9	28
45	Triaxially deformed proton emitters. AIP Conference Proceedings, 2007, , .	0.4	0
46	Theoretical aspects of proton emission from deformed nuclei. AIP Conference Proceedings, 2007, , .	0.4	0
47	Nonadiabatic quasiparticle description of triaxially deformed proton emitters. Physical Review C, 2007, 76, .	2.9	16
48	Decays of drip line nuclei. Progress in Particle and Nuclear Physics, 2007, 59, 418-424.	14.4	20
49	Deformed proton emitters, Coriolis interaction and pseudo-spin doublets. Physica Scripta, 2006, T125, 49-52.	2.5	1
50	Asymptotic properties of bound states in coupled quantum wave guides. Journal of Physics A, 2006, 39, 1207-1228.	1.6	2
51	Importance of Coriolis interaction and pseudo-spin doublets in deformed proton emitters. AIP Conference Proceedings, 2006, , .	0.4	0
52	IMPORTANCE OF CORIOLIS INTERACTION IN DEFORMED PROTON EMITTERS. International Journal of Modern Physics E, 2006, 15, 1789-1795.	1.0	2
53	Proton radioactivity and the proton drip line. Nuclear Physics A, 2005, 752, 223-226.	1.5	10
54	Structure of proton-radioactive nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1569-S1572.	3.6	6

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55	Resonances: Calculations and Observables. International Journal of Theoretical Physics, 2003, 42, 2117-2130.	1.2	4
56	Theoretical description of deformed proton emitters:â€,â€,Nonadiabatic quasiparticle method. Physical Review C, 2003, 67, .	2.9	59
57	Coupled-channel integral equations for quasi-one-dimensional systems. American Journal of Physics, 2003, 71, 903-911.	0.7	10
58	New developments in the theory of proton radioactivity. , 2003, , 135-138.		0
59	Dependence of the decay widths for proton emission on the single particle potential. Physical Review C, 2002, 65, .	2.9	29
60	New developments in the theory of proton radioactivity. European Physical Journal A, 2002, 15, 89-92.	2.5	13
61	Odd-Odd Deformed Proton Emitters. Physical Review Letters, 2001, 86, 1721-1724.	7.8	71
62	Coulomb energy differences between isobaric analogue states in 70Br and 70Se. European Physical Journal A, 2001, 12, 51-55.	2.5	40
63	Resonances in nuclear physics. Chaos, Solitons and Fractals, 2001, 12, 2697-2705.	5.1	2
64	New strongly deformed proton emitter:117La. Physical Review C, 2001, 63, .	2.9	23
65	From bound states to resonances: Analytic continuation of the wave function. Physical Review C, 2000, 61, .	2.9	33
66	151Lu: Spherical or deformed?. Physical Review C, 2000, 61, .	2.9	26
67	Fine structure in proton emission from deformed131Eu. Physical Review C, 2000, 61, .	2.9	43
68	Proton emission from deformed nuclei. Physical Review C, 1999, 59, R589-R592.	2.9	77
69	Nucleon Decay from Deformed Nuclei. Physical Review Letters, 1998, 81, 538-541.	7.8	124
70	Nucleon Resonances in Deformed Nuclei. Physical Review Letters, 1997, 78, 1640-1643.	7.8	56
71	Microscopic structure and decay characteristics of giant resonances. Nuclear Physics A, 1996, 599, 327-340.	1.5	1
72	In-beamÎ³-ray spectroscopy of the odd-odd nucleus144Tb. Zeitschrift FÃ¼r Physik A, 1996, 354, 157-162.	0.9	1

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73	A representation to describe nuclear processes in the continuum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 367, 1-4.	4.1	60
74	Energy dependence of fusion cross sections. Physical Review C, 1996, 53, R18-R19.	2.9	16
75	Exact and approximate calculation of giant resonances. Nuclear Physics A, 1995, 584, 13-34.	1.5	43
76	Single particle energies inO17with the Bonn potential. Physical Review C, 1994, 50, 1240-1243.	2.9	1
77	Complete decay out of the superdeformed band inNd133. Physical Review C, 1994, 49, R2281-R2284.	2.9	39
78	Resonant state expansions of the continuum. Zeitschrift FÃ¼r Physik A, 1994, 347, 231-236.	0.9	15
79	Description of the Continuum in Calculating Partial Decay Widths of Giant Resonances. NATO ASI Series Series B: Physics, 1994, , 281-282.	0.2	0
80	Cross sections for Coulomb break-up of the halo nucleus 6He. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 23-25.	4.1	17
81	Partial decay widths from giant resonances in 208Pb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 1-5.	4.1	12
82	¹¹ Li Dipole Moments. Europhysics Letters, 1992, 18, 679-684.	2.0	5
83	19/2â¯gfactor inK39using a transient field-fusion reaction technique. Physical Review C, 1992, 45, 166-173.	2.9	8
84	Microsecond isomers in the odd-odd nucleus144Tb. Zeitschrift FÃ¼r Physik A, 1992, 344, 123-124.	0.9	4
85	Transient-field g-factor measurement of the first 2+ states in the N=82 nuclei 140Ce, 142Nd and 144Sm. Nuclear Physics A, 1991, 533, 541-552.	1.5	15
86	Finite nuclei calculations with realistic potential models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 262, 179-184.	4.1	7
87	Excited states inSm140above the (Ïh11/2)2and (Î½h11/2)â¯210+isomers. Physical Review C, 1990, 42, 174-181.	2.9	17
88	Two-particle surface correlations. Journal of Physics G: Nuclear and Particle Physics, 1989, 15, 1249-1263.	3.6	6
89	In-beam study of the doubly-odd nucleus 61 140 Pm79. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1989, 334, 231-232.	0.3	0
90	Two-particle transfer transition densities for collective modes in normal systems: A study for a surface-localized pair field. Nuclear Physics A, 1989, 500, 127-139.	1.5	4

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91	Time-dependent Hartree-Fock calculation of the escape width of the giant monopole resonance inO16. Physical Review C, 1988, 37, 2257-2260.	2.9	6
92	Calculation of Alpha-Decay Widths for Light Lead Isotopes. Europhysics Letters, 1988, 7, 209-212.	2.0	24
93	Surface Clustering and Two-Nucleon Pick-up in Samarium Isotopes. Europhysics Letters, 1988, 6, 125-129.	2.0	5
94	Macroscopic Approach to Pair Transition Density in Well-Deformed Nuclei. Europhysics Letters, 1987, 3, 289-292.	2.0	8
95	Semiclassical analysis of two-particle elastic transfer. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 191, 237-239.	4.1	6
96	On the radial dependence of the pair transition density in superfluid nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 169, 5-8.	4.1	18
97	Probing the Nuclear Response with One- and Two-Nucleon Pick-Up Reactions. Physica Scripta, 1986, 34, 678-681.	2.5	5
98	Absolute cross sections of two-nucleon transfer reactions induced by heavy ions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 162, 59-65.	4.1	29
99	Comparison of truncated shell model calculations in the laboratory and intrinsic systems. Physical Review C, 1985, 32, 634-636.	2.9	6
100	Description of the even samarium isotopes in the collective pair approximation. Physical Review C, 1984, 29, 1916-1918.	2.9	7
101	Comparative study of the selectivity displayed by (6Li, d) and (16O, 12C) reactions. Nuclear Physics A, 1984, 424, 184-190.	1.5	2
102	On the boson mapping of fermion collective pairs. Nuclear Physics A, 1984, 430, 158-174.	1.5	5
103	Description of odd-A deformed nuclei in the collective pair approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 137, 1-4.	4.1	2
104	Two-and four-particle surface clusterization in heavy deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 149, 41-44.	4.1	16
105	Relation between pairing correlations and two-particle space correlations. Physical Review C, 1984, 29, 1091-1094.	2.9	60
106	Role of high multipole pairs in the description of deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 123, 375-378.	4.1	18
107	Microscopic structure of monopole and quadrupole bosons. Nuclear Physics A, 1983, 397, 102-114.	1.5	42
108	Value of the absolute cross section for the reaction 40Ca(16O, 12C)44Ti. Nuclear Physics A, 1983, 404, 167-178.	1.5	4

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109	Microscopic description of Î²-band in the collective pair approximation. Nuclear Physics A, 1983, 411, 181-194.	1.5	17
110	Test of the validity of the SD truncation for deformed systems. Nuclear Physics A, 1983, 404, 333-344.	1.5	20
111	Test of the microscopic foundation of the interacting boson model for deformed nuclei. Progress in Particle and Nuclear Physics, 1983, 9, 87-99.	14.4	5
112	Self-Consistent Treatment of the Pairing Plus Quadrupole Force in the Nilsson Plus BCS Model and in the Interacting Boson Model. Physica Scripta, 1983, 28, 527-531.	2.5	2
113	Nilsson and Interacting-Boson-Model Pictures of Deformed Nuclei. Physical Review Letters, 1982, 48, 1001-1004.	7.8	65
114	The nucleus as a condensate of monopole and quadrupole pairing vibrations. Nuclear Physics A, 1982, 375, 217-237.	1.5	16
115	Particle-pairing vibration coupling description of strongly anharmonic odd-A spectra. Nuclear Physics A, 1982, 376, 45-60.	1.5	8
116	On band mixing in154Gd. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1981, 32, 433-436.	0.4	0
117	Separable alpha-alpha interaction. Il Nuovo Cimento A, 1980, 57, 21-36.	0.2	4
118	A multichannel quasi-separable potential approach to nucleon-nucleus scattering. Nuclear Physics A, 1978, 296, 263-277.	1.5	12
119	Beyond the Proton Drip-Line. Lecture Notes in Physics, 0, , 137-156.	0.7	1