

Enrico Maglione

List of Publications by Year in descending order

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119
papers

1,765
citations

257450

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315739

38
g-index

119
all docs

119
docs citations

119
times ranked

707
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleon Decay from Deformed Nuclei. Physical Review Letters, 1998, 81, 538-541. Lifetime Measurements of the Neutron-Rich $N > 30$ Isotones	7.8	124
2	Proton emission from deformed nuclei. Physical Review C, 1999, 59, R589-R592.	7.8	78
3	Odd-Odd Deformed Proton Emitters. Physical Review Letters, 2001, 86, 1721-1724.	2.9	77
4	Nilsson and Interacting-Boson-Model Pictures of Deformed Nuclei. Physical Review Letters, 1982, 48, 1001-1004.	7.8	71
5	Relation between pairing correlations and two-particle space correlations. Physical Review C, 1984, 29, 1091-1094.	7.8	65
6	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
7	Theoretical description of deformed proton emitters: Nonadiabatic quasiparticle method. Physical Review C, 2003, 67, .	2.9	60
8	Nucleon Resonances in Deformed Nuclei. Physical Review Letters, 1997, 78, 1640-1643.	7.8	56
9	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
10	Exact and approximate calculation of giant resonances. Nuclear Physics A, 1995, 584, 13-34.	1.5	43
11	Fine structure in proton emission from deformed ^{131}Eu . Physical Review C, 2000, 61, .	2.9	43
12	Microscopic structure of monopole and quadrupole bosons. Nuclear Physics A, 1983, 397, 102-114.	1.5	42
13	Coulomb energy differences between isobaric analogue states in ^{70}Br and ^{70}Se . European Physical Journal A, 2001, 12, 51-55.	2.5	40
14	Complete decay out of the superdeformed band in ^{133}Nd . Physical Review C, 1994, 49, R2281-R2284.	2.9	39
15	Self-consistent description of proton radioactivity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 508-511.	4.1	35
16	From bound states to resonances: Analytic continuation of the wave function. Physical Review C, 2000, 61, .	2.9	33
17	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

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19	Dependence of the decay widths for proton emission on the single particle potential. Physical Review C, 2002, 65, .	2.9	29
20	Proton emission, gamma deformation, and the spin of the isomeric state of ^{141}Ho . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 443-447.	4.1	29
21	Fine structure in proton radioactivity: An accurate tool to ascertain the breaking of axial symmetry in T_m ^{145}Lu . Physical Review C, 2008, 78, .	2.9	28
22	^{151}Lu : Spherical or deformed?. Physical Review C, 2000, 61, .	2.9	26
23	Proton emission from an oblate nucleus ^{151}Lu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	4.1	25
24	Calculation of Alpha-Decay Widths for Light Lead Isotopes. Europhysics Letters, 1988, 7, 209-212.	2.0	24
25	New strongly deformed proton emitter: ^{117}La . Physical Review C, 2001, 63, .	2.9	23
26	Discovery of ^{72}Rb : A Nuclear Sandbank Beyond the Proton Drip Line. Physical Review Letters, 2017, 119, 192503.	7.8	22
27	Test of the validity of the SD truncation for deformed systems. Nuclear Physics A, 1983, 404, 333-344.	1.5	20
28	Decays of drip line nuclei. Progress in Particle and Nuclear Physics, 2007, 59, 418-424.	14.4	20
29	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
30	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
31	Microscopic description of \hat{I}^2 -band in the collective pair approximation. Nuclear Physics A, 1983, 411, 181-194.	1.5	17
32	Excited states in ^{140}Sm above the $(\frac{1}{2}^+)$ and $(\frac{1}{2}^-)$ 210 isomers. Physical Review C, 1990, 42, 174-181.	2.9	17
33	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
34	The nucleus as a condensate of monopole and quadrupole pairing vibrations. Nuclear Physics A, 1982, 375, 217-237.	1.5	16
35	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
36	Energy dependence of fusion cross sections. Physical Review C, 1996, 53, R18-R19.	2.9	16

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37	Nonadiabatic quasiparticle description of triaxially deformed proton emitters. Physical Review C, 2007, 76, .	2.9	16
38	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
39	Resonant state expansions of the continuum. Zeitschrift für Physik A, 1994, 347, 231-236.	0.9	15
40	Oblately deformed isomeric proton-emitting state in ^{151}Lu . Physical Review C, 2015, 91, .	2.9	14
41	New developments in the theory of proton radioactivity. European Physical Journal A, 2002, 15, 89-92.	2.5	13
42	Nonadiabatic quasiparticle approach for deformed odd-odd nuclei and the proton emitter ^{130}Eu . Physical Review C, 2013, 88, .	2.9	13
43	Nonadiabatic quasiparticle approach for rotation-particle coupling in triaxial odd-A nuclei. Physical Review C, 2017, 95, .	2.9	13
44	Nanosecond-Scale Proton Emission from Strongly Oblate-Deformed ^{149}Lu . Physical Review Letters, 2022, 128, 112501.	7.8	13
45	A multichannel quasi-separable potential approach to nucleon-nucleus scattering. Nuclear Physics A, 1978, 296, 263-277.	1.5	12
46	Partial decay widths from giant resonances in ^{208}Pb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 1-5.	4.1	12
47	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
48	Coupled-channel integral equations for quasi-one-dimensional systems. American Journal of Physics, 2003, 71, 903-911.	0.7	10
49	Proton radioactivity and the proton drip line. Nuclear Physics A, 2005, 752, 223-226.	1.5	10
50	Decay of ^{147}Tm and the role of triaxiality studied with a nonadiabatic quasiparticle approach. Physical Review C, 2017, 96, .	2.9	10
51	Triaxiality in the proton emitter ^{147}Tm . Physical Review C, 2017, 95, .	2.9	10
52	Newspectroscopic information on ^{211}Tl : A changing structure beyond the ^{213}Tl Particle-pairing vibration coupling description of strongly anharmonic odd-A spectra. Nuclear Physics A, 1982, 376, 45-60.	2.9	9
53	Particle-pairing vibration coupling description of strongly anharmonic odd-A spectra. Nuclear Physics A, 1982, 376, 45-60.	1.5	8
54	Macroscopic Approach to Pair Transition Density in Well-Deformed Nuclei. Europhysics Letters, 1987, 3, 289-292.	2.0	8

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55	$19/2\hat{a}^{\sim}g$ factor in $K39$ using a transient field-fusion reaction technique. <i>Physical Review C</i> , 1992, 45, 166-173.	2.9	8
56	Effects of Coriolis and residual neutron-proton interactions in the proton emission from ^{130}Eu . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 979-982.	4.1	8
57	Description of the even samarium isotopes in the collective pair approximation. <i>Physical Review C</i> , 1984, 29, 1916-1918.	2.9	7
58	Finite nuclei calculations with realistic potential models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 262, 179-184.	4.1	7
59	Comparison of truncated shell model calculations in the laboratory and intrinsic systems. <i>Physical Review C</i> , 1985, 32, 634-636.	2.9	6
60	Semiclassical analysis of two-particle elastic transfer. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 191, 237-239.	4.1	6
61	Time-dependent Hartree-Fock calculation of the escape width of the giant monopole resonance in ^{16}O . <i>Physical Review C</i> , 1988, 37, 2257-2260.	2.9	6
62	Two-particle surface correlations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1989, 15, 1249-1263.	3.6	6
63	Structure of proton-radioactive nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005, 31, S1569-S1572.	3.6	6
64	Deformation of the proton emitter ^{113}Cs from electromagnetic transition and proton-emission rates. <i>Physical Review C</i> , 2016, 94, .	2.9	6
65	Covariant density functional theory for decay of deformed proton emitters: A self-consistent approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 237-241.	4.1	6
66	Nonadiabatic quasiparticle description of rotation-particle coupling in triaxial odd-odd nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 125105.	3.6	6
67	Test of the microscopic foundation of the interacting boson model for deformed nuclei. <i>Progress in Particle and Nuclear Physics</i> , 1983, 9, 87-99.	14.4	5
68	On the boson mapping of fermion collective pairs. <i>Nuclear Physics A</i> , 1984, 430, 158-174.	1.5	5
69	Probing the Nuclear Response with One- and Two-Nucleon Pick-Up Reactions. <i>Physica Scripta</i> , 1986, 34, 678-681.	2.5	5
70	Surface Clustering and Two-Nucleon Pick-up in Samarium Isotopes. <i>Europhysics Letters</i> , 1988, 6, 125-129.	2.0	5
71	^{11}Li Dipole Moments. <i>Europhysics Letters</i> , 1992, 18, 679-684.	2.0	5
72	Proton emission from ^{125}Pm could be observed. <i>Physical Review C</i> , 2016, 94, .	2.9	5

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73	Chirality in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \langle \text{mml:msup} \rangle \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext mathvariant="normal"} \rangle 136,138 \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Pm. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135937.}$	4.1	5
74	Interpretation of $^{110}\text{8}$ as an odd-odd $\hat{\Gamma}^3$ -deformed proton emitter. <i>Physical Review C</i> , 2021, 103, .	2.9	5
75	Separable alpha-alpha interaction. <i>Il Nuovo Cimento A</i> , 1980, 57, 21-36.	0.2	4
76	Value of the absolute cross section for the reaction $^{40}\text{Ca}(^{16}\text{O}, ^{12}\text{C})^{44}\text{Ti}$. <i>Nuclear Physics A</i> , 1983, 404, 167-178.	1.5	4
77	Two-particle transfer transition densities for collective modes in normal systems: A study for a surface-localized pair field. <i>Nuclear Physics A</i> , 1989, 500, 127-139.	1.5	4
78	Microsecond isomers in the odd-odd nucleus ^{144}Tb . <i>Zeitschrift für Physik A</i> , 1992, 344, 123-124.	0.9	4
79	Resonances: Calculations and Observables. <i>International Journal of Theoretical Physics</i> , 2003, 42, 2117-2130.	1.2	4
80	Behavior of chiral bands in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Cs} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 128 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 130 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	2.9	3
81	Self-Consistent Treatment of the Pairing Plus Quadrupole Force in the Nilsson Plus BCS Model and in the Interacting Boson Model. <i>Physica Scripta</i> , 1983, 28, 527-531.	2.5	2
82	Comparative study of the selectivity displayed by $(^6\text{Li}, d)$ and $(^{16}\text{O}, ^{12}\text{C})$ reactions. <i>Nuclear Physics A</i> , 1984, 424, 184-190.	1.5	2
83	Description of odd-A deformed nuclei in the collective pair approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 137, 1-4.	4.1	2
84	Resonances in nuclear physics. <i>Chaos, Solitons and Fractals</i> , 2001, 12, 2697-2705.	5.1	2
85	Asymptotic properties of bound states in coupled quantum wave guides. <i>Journal of Physics A</i> , 2006, 39, 1207-1228.	1.6	2
86	IMPORTANCE OF CORIOLIS INTERACTION IN DEFORMED PROTON EMITTERS. <i>International Journal of Modern Physics E</i> , 2006, 15, 1789-1795.	1.0	2
87	Fine structure in the odd-odd proton emitter $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Tm} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mn} \rangle 144 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review C</i> , 2022, 105, .	2.9	2
88	Single particle energies in ^{17}O with the Bonn potential. <i>Physical Review C</i> , 1994, 50, 1240-1243.	2.9	1
89	Microscopic structure and decay characteristics of giant resonances. <i>Nuclear Physics A</i> , 1996, 599, 327-340.	1.5	1
90	In-beam $\hat{\Gamma}^3$ -ray spectroscopy of the odd-odd nucleus ^{144}Tb . <i>Zeitschrift für Physik A</i> , 1996, 354, 157-162.	0.9	1

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91	Deformed proton emitters, Coriolis interaction and pseudo-spin doublets. Physica Scripta, 2006, T125, 49-52.	2.5	1
92	Self-consistent description of deformed nuclei at the proton drip line. EPJ Web of Conferences, 2016, 117, 06004.	0.3	1
93	Modified particle-rotor model and low-lying rotational bands in odd- A triaxial nuclei. Physica Scripta, 2017, 92, 094002.	2.5	1
94	Beyond the Proton Drip-Line. Lecture Notes in Physics, 0, , 137-156.	0.7	1
95	On band mixing in ^{154}Gd . Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 32, 433-436.	0.4	0
96	In-beam study of the doubly-odd nucleus $^{61}\text{140Pm}^{79}$. Zeitschrift f�r Physik A, Atomic Nuclei, 1989, 334, 231-232.	0.3	0
97	Importance of Coriolis interaction and pseudo-spin doublets in deformed proton emitters. AIP Conference Proceedings, 2006, , .	0.4	0
98	Triaxially deformed proton emitters. AIP Conference Proceedings, 2007, , .	0.4	0
99	Theoretical aspects of proton emission from deformed nuclei. AIP Conference Proceedings, 2007, , .	0.4	0
100	Triaxial deformations in the proton emitters [^{161}Re] and [^{185}Bi]. AIP Conference Proceedings, 2008, , .	0.4	0
101	The structure and shape of exotic nuclei beyond the proton drip-line. , 2008, , .		0
102	Publisher's Note: Lifetime Measurements of the Neutron-Rich ^{30}N Isotones	7.8	0
103	Proton emission as a probe for Partial Rotation Alignment. Nuclear Physics A, 2010, 834, 416c-419c.	1.5	0
104	Probing the nuclear structure of drip-line nuclei. , 2010, , .		0
105	Nuclear Structure Studies at the Borders of Stability. Journal of Physics: Conference Series, 2011, 312, 092024.	0.4	0
106	Nonadiabatic effects in odd-odd deformed proton emitters. , 2011, , .		0
107	Theoretical studies of proton emission from drip-line nuclei.. , 2011, , .		0
108	Two-proton sequential decay from excited states of [^{18}Ne]. , 2011, , .		0

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109	Nuclear Structure Studies of Exotic Nuclei. , 2011, , .		0
110	Assigning β^3 deformation from fine structure in exotic nuclei. , 2011, , .		0
111	Theoretical studies of exotic drip-line nuclei. , 2012, , .		0
112	Theoretical studies of nuclei at the proton drip-line. Journal of Physics: Conference Series, 2013, 420, 012053.	0.4	0
113	Proton emission from the deformed odd-odd nuclei near drip line. Journal of Physics: Conference Series, 2016, 665, 012049.	0.4	0
114	Progresses in proton radioactivity studies. AIP Conference Proceedings, 2016, , .	0.4	0
115	New developments in the theory of proton radioactivity. , 2003, , 135-138.		0
116	Non-adiabatic description of proton emission from the odd-odd nucleus ^{130}Eu . EPJ Web of Conferences, 2014, 66, 02080.	0.3	0
117	Description of the Continuum in Calculating Partial Decay Widths of Giant Resonances. NATO ASI Series Series B: Physics, 1994, , 281-282.	0.2	0
118	Nuclear structure of proton drip-line nuclei as an input to nuclear astrophysics. Journal of Physics: Conference Series, 2020, 1643, 012048.	0.4	0
119	Proton emission study as a guide to astrophysical rp process. EPJ Web of Conferences, 2022, 260, 11039.	0.3	0