

Maria Grazia Pellegriti

List of Publications by Year in descending order

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109
papers

2,149
citations

218677

26
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all docs

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docs citations

111
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the $N13(\hat{1},p)O16$ thermonuclear reaction rate and its impact on the isotopic composition of supernova grains. Physical Review C, 2020, 102, .	2.9	4
2	C12 states populated in B10+B10 reactions. Physical Review C, 2019, 99, .	2.9	3
3	Interesting states in A = 10 mass region, populated in 10B + 10B nuclear reactions. EPJ Web of Conferences, 2019, 223, 01027.	0.3	0
4	Structure of Light Nuclei Studied with ${}^7\text{Li} + {}^{6,7}\text{Li}$ Reactions. Springer Proceedings in Physics, 2019, , 215-216.	0.2	0
5	Breakup and n -transfer effects on the fusion reactions ${}^6\text{Li} + {}^7\text{Li}$ reactions. EPJ Web of Conferences, 2016, 117, 06012.	2.9	17
6	Effects of coupling to breakup channels in reactions induced by weakly bound and halo nuclei. EPJ Web of Conferences, 2016, 117, 06012.	0.3	0
7	An above-barrier narrow resonance in ${}^{15}\text{F}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 26-31.	4.1	31
8	Gamma beam characterization system for ELI-NP: The gamma absorption calorimeter. , 2016, , .		0
9	The prototype detection unit of the KM3NeT detector. European Physical Journal C, 2016, 76, 1.	3.9	32
10	Long term monitoring of the optical background in the Capo Passero deep-sea site with the NEMO tower prototype. European Physical Journal C, 2016, 76, 1.	3.9	11
11	Indirect study of ${}^{12}\text{C}(\hat{1},\hat{1}^3){}^{16}\text{O}$ reaction. Journal of Physics: Conference Series, 2016, 665, 012007.	0.4	2
12	Effects of coupling to breakup channels in reactions induced by ${}^6\text{Li}$ and ${}^7\text{Li}$ reactions. EPJ Web of Conferences, 2016, 117, 06012.	2.9	17
13	Comparison of the effects of couplings to breakup channels in reactions induced by ${}^6\text{Li}$ and ${}^6\text{He}$ on the same ${}^{64}\text{Zn}$ target. AIP Conference Proceedings, 2015, , .	0.4	0
14	Role of neutron transfer processes on the ${}^6\text{Li} + {}^{120}\text{Sn}$ and ${}^7\text{Li} + {}^{119}\text{Sn}$ fusion reactions. EPJ Web of Conferences, 2015, 88, 01004.	0.3	0
15	Measurement of the atmospheric muon depth intensity relation with the NEMO Phase-2 tower. Astroparticle Physics, 2015, 66, 1-7.	4.3	21
16	Improvements in data analysis obtained by large-area silicon $\hat{1}^n\text{E}$ - E detector telescopes. European Physical Journal A, 2015, 51, 1.	2.5	12
17	Elastic and break-up of the $1n$ -halo ${}^{11}\text{Be}$ nucleus. EPJ Web of Conferences, 2014, 66, 03023.	0.3	3
18	Measurement of $\text{Li} + \text{Sn}$ fusion excitation functions around the Coulomb barrier using an improved activation technique. EPJ Web of Conferences, 2014, 66, 03027.	0.3	1

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19	Projectile structure effects in the collisions ${}^6,7\text{Li}+{}^{64}\text{Zn}$ around the Coulomb barrier.. EPJ Web of Conferences, 2014, 66, 03022.	0.3	1
20	Deep sea tests of a prototype of the KM3NeT digital optical module. European Physical Journal C, 2014, 74, 1.	3.9	46
21	Underwater acoustic positioning system for the SMO and KM3NeT - Italia projects. , 2014, , .		3
22	Long-term optical background measurements in the Capo Passero deep-sea site. , 2014, , .		1
23	The trigger and data acquisition for the NEMO-Phase 2 tower. , 2014, , .		3
24	Probing nuclear forces beyond the drip-line using the mirror nuclei ${}^{16}\text{N}$ and ${}^{16}\text{F}$ and ${}^{16}\text{O}$ and ${}^{16}\text{F}$ fusion of the ${}^6\text{Li}+{}^{120}\text{Sn}$ and ${}^7\text{Li}+{}^{119}\text{Sn}$ and the role of neutron transfer and breakup processes. Journal of Physics: Conference Series, 2014, 515, 012006.	2.9	35
25	Fusion of the ${}^6\text{Li}+{}^{120}\text{Sn}$ and ${}^7\text{Li}+{}^{119}\text{Sn}$ and the role of neutron transfer and breakup processes. Journal of Physics: Conference Series, 2014, 515, 012006.	0.4	1
26	Status and first results of the NEMO Phase-2 tower. Journal of Instrumentation, 2014, 9, C03045-C03045.	1.2	7
27	${}^8\text{Li}$ resonant elastic scattering: a tool to study cluster states in ${}^{12}\text{B}$. Journal of Physics: Conference Series, 2014, 569, 012024.	0.4	1
28	Influence of the interstrip gap on the response and the efficiency of Double Sided Silicon Strip Detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 713, 11-18.	1.6	32
29	Quasielastic backscattering and barrier distributions for the ${}^6,7\text{Li}+{}^{64}\text{Zn}$ systems. Physical Review C, 2013, 87, .	2.9	23
30	Heavy residue excitation functions for the collisions ${}^6,7\text{Li}+{}^{64}\text{Zn}$ near the Coulomb barrier. Physical Review C, 2013, 87, .	2.9	45
31	Elastic Scattering for the ${}^{11}\text{Be}+{}^{64}\text{Zn}$ System Close to the Coulomb Barrier. Acta Physica Polonica B, 2013, 44, 463.	0.8	2
32	Determination of the half-life of ${}^{213}\text{Fr}$ with high precision. Physical Review C, 2013, 88, .	2.9	7
33	States in ${}^{10}\text{Be}$ populated in ${}^{6,7}\text{Li}+{}^7\text{Li}, {}^3,4\text{He}+{}^{10}\text{Be}^*$ reactions at 30 and 52 MeV. Journal of Physics: Conference Series, 2013, 436, 012044.	0.4	0
34	Elastic scattering and heavy residue production in the collisions ${}^6,7\text{Li}+{}^{64}\text{Zn}$ around the Coulomb barrier. EPJ Web of Conferences, 2013, 63, 02019.	0.3	0
35	Elastic scattering and direct reactions of the 1n halo ${}^{11}\text{Be}$ nucleus on ${}^{64}\text{Zn}$ near the barrier. Journal of Physics: Conference Series, 2012, 381, 012050.	0.4	2
36	Studies on the response of double sided silicon strip detectors. , 2012, , .		0

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37	Reactions induced by [⁷ Li beam and optimization of silicon detector telescope. , 2012, , .		1
38	Fusion reactions in collisions induced by Li isotopes on Sn targets. , 2012, , .		0
39	Experimental study of the collision $^{11}\text{Li} + ^{64}\text{Zn}$ around the Coulomb barrier. <i>Physical Review C</i> , 2012, 85, .	2.9	103
40	The Inverse Kinematics Thick Target scattering method as a tool to study cluster states in exotic nuclei. <i>Journal of Physics: Conference Series</i> , 2012, 366, 012013.	0.4	6
41	Measurements of I_{\pm} -decay half-lives at GSI. <i>Physica Scripta</i> , 2012, T150, 014028.	2.5	12
42	Indirect study of the $^{12}\text{C}(\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td}$ (xmlns:mml="http://v	2.9	50
43	Quasi-elastic backscattering of $^6,7\text{Li}$ on light, medium and heavy targets at near- and sub-barrier energies. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	33
44	Fusion and direct reactions for the system $^6\text{He} + ^{64}\text{Zn}$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline") $^{64}\text{Zn} + ^{64}\text{Zn}$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline") $^{64}\text{Zn} + ^{64}\text{Zn}$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline")	2.9	55
45	Enhancement in the $^6\text{He} + ^{64}\text{Zn}$ fusion cross section at energies around the barrier: static or dynamic effect?. <i>EPJ Web of Conferences</i> , 2011, 17, 16003.	0.3	1
46	Reactions induced by ^{11}Be beam at Rex-Isolde. <i>EPJ Web of Conferences</i> , 2011, 17, 13001.	0.3	0
47	Structure effects in the reactions $^9,10,11\text{Be} + ^{64}\text{Zn}$ at the Coulomb barrier. <i>Journal of Physics: Conference Series</i> , 2011, 267, 012012.	0.4	2
48	Structure effects and dynamics in fusion reactions of light weakly bound nuclei. <i>Journal of Physics: Conference Series</i> , 2011, 282, 012020.	0.4	0
49	Alpha structure of ^{12}B studied by elastic scattering of ^8Li EXCYT beam on ^4He thick target. <i>Journal of Physics: Conference Series</i> , 2011, 267, 012011.	0.4	1
50	Fusion, elastic and total reaction cross sections in the collision $^6\text{Li} + ^{64}\text{Zn}$. <i>EPJ Web of Conferences</i> , 2011, 17, 16018.	0.3	5
51	Studying ^{12}B via ^8Li - I_{\pm} resonant scattering. , 2011, , .		0
52	Elastic scattering of Beryllium isotopes near the Coulomb barrier. , 2011, , .		0
53	Measurements of nuclear ^{13}B -ray line emission in interactions of protons and I_{\pm} particles with N, O, Ne, and Si. <i>Physical Review C</i> , 2011, 83, .	2.9	19
54	Evidence of strong effects of the ^{11}Be halo structure on reaction processes at energies around the Coulomb barrier. <i>Journal of Physics: Conference Series</i> , 2011, 312, 082020.	0.4	0

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55	Halo effects on fusion cross section in ${}^4_6\text{He} + {}^{64}\text{Zn}$ collision around and below the coulomb barrier. Journal of Physics: Conference Series, 2011, 282, 012014.	0.4	6
56	Li^{\pm} CLUSTER STATES IN ${}^{12}\text{B}$ USING $8\text{Li} + 4\text{He}$ INVERSE KINEMATICS ELASTIC SCATTERING. International Journal of Modern Physics E, 2011, 20, 1026-1029.	1.0	7
57	Fusion Cross Section in the ${}^{[sup 4,6]}\text{He} + [sup 64]\text{Zn}$ Collisions Around the Coulomb Barrier. , 2011, , .		0
58	Elastic Scattering and Fusion of ${}^{[sup 6]}\text{Li}$ on ${}^{[sup 64]}\text{Zn}$ at the Barrier. , 2011, , .		1
59	Study Of Reaction Mechanisms For ${}^{[sup 9,10,11]}\text{Be} + [sup 64]\text{Zn}$ Systems Around The Coulomb Barrier. AIP Conference Proceedings, 2010, , .	0.4	2
60	Measuring total reaction cross-sections at energies near the coulomb barrier by the active target method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 612, 399-406.	1.6	17
61	Toward correction-free ${}^8\text{Li}(\pm, \text{i})$ ${}^{11}\text{B}$ data at the Gamow energy of explosive nucleosynthesis. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 105105.	3.6	9
62	Elastic Scattering and Reaction Mechanisms of the Halo Nucleus ${}^8\text{Li}(\pm, \text{i})$ around the Coulomb Barrier. Physical Review Letters, 2010, 105, 022701.	7.8	163
63	STRUCTURE EFFECTS IN COLLISIONS INDUCED BY HALO AND WEAKLY BOUND NUCLEI AROUND THE COULOMB BARRIER. International Journal of Modern Physics E, 2010, 19, 1236-1240.	1.0	2
64	Discovery of a New Broad Resonance in ${}^{19}\text{Ne}$: Implications for the Destruction of the Cosmic ${}^3\text{He}$ -Ray Emitter F18. Physical Review Letters, 2009, 102, 162503.	7.8	27
65	States in ${}^{17}\text{O}$ excited in the ${}^{13}\text{C} + 9\text{Be} \rightarrow {}^{13}\text{C} + 2\alpha + n$ reaction at 90 MeV. European Physical Journal A, 2009, 41, 335-339.	2.5	14
66	Elastic scattering of ${}^6\text{Li}$ on ${}^{11}\text{B}$ at the Gamow energy of explosive nucleosynthesis. Physical Review Letters, 2009, 102, 162503.	2.9	56
67	SOLVING THE LARGE DISCREPANCY BETWEEN INCLUSIVE AND EXCLUSIVE MEASUREMENTS OF THE ${}^8\text{Li} + 4\text{He} \rightarrow {}^{11}\text{B} + n$ REACTION CROSS SECTION AT ASTROPHYSICAL ENERGIES. Astrophysical Journal, 2009, 706, L251-L255.	4.5	11
68	Electron Screening Effects on β -decay. , 2009, , .		7
69	Evidence for core excitation in single-particle states of ${}^{19}\text{Na}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 864-869.	4.1	14
70	On the magnitude of the ${}^8\text{Li} + 4\text{He} \rightarrow {}^{11}\text{B} + n$ reaction cross section at the Big-Bang temperature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 664, 157-161.	4.1	19
71	A new device for combined Coulomb excitation and isomeric conversion electron spectroscopy with fast fragmentation beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 292-299.	1.6	5
72	Indirect study of the ${}^8\text{Li} + 4\text{He} \rightarrow {}^{11}\text{B} + n$ reaction cross section at astrophysical energies. Physical Review Letters, 2009, 102, 162503.		

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73	Quasi-bound low energy tail of resonance. AIP Conference Proceedings, 2007, , .	0.4	1
74	New pathways to bypass the 15O waiting point. AIP Conference Proceedings, 2007, , .	0.4	1
75	^4He Neutron detection with low-intensity radioactive beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 783-790.	1.6	10
76	In flight production of a ^8Li radioactive beam for Big Bang nucleosynthesis investigations at LNS Catania. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 406-415.	1.6	6
77	Transfer, sequential decay, and quasi-free reactions induced by 18-MeV ^6He beam on ^6Li , ^7Li , and ^{12}C . Physics of Atomic Nuclei, 2006, 69, 1360-1365.	0.4	6
78	Structure effects on reaction mechanisms in collisions induced by radioactive ion beams. Physics of Atomic Nuclei, 2006, 69, 1366-1371.	0.4	7
79	^6He quasi-free scattering off clusters in ^6Li ? Europhysics Letters, 2006, 76, 801-807.	2.0	4
80	Sequential decay reactions induced by a 18 MeV ^6He beam on ^6Li and ^7Li . Nuclear Physics A, 2005, 753, 263-287.	1.5	59
81	Study of the $^3\text{He}(d, p)^4\text{He}$ reaction through the Trojan Horse Method. Nuclear Physics A, 2005, 758, 98-101.	1.5	8
82	Measurement of cross section and astrophysical factor of the $d(d, p)t$ reaction using the Trojan Horse Method. Nuclear Physics A, 2005, 758, 146-149.	1.5	44
83	Quasi-free $^6\text{Li}(n, \hat{1}\pm)^3\text{H}$ reaction at low energy from ^2H break-up. European Physical Journal A, 2005, 25, 649-650.	2.5	43
84	Few-body problems in nuclear astrophysics. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1413-S1415.	3.6	1
85	Quasi-free $^6\text{Li}(n, \hat{1}\pm)^3\text{H}$ reaction at low energy from ^2H break-up. , 2005, , 649-650.		0
86	Indirect Study of the Astrophysically Relevant $^6\text{Li}(p, \hat{1}\pm)^3\text{He}$ Reaction by Means of the Trojan Horse Method. Progress of Theoretical Physics Supplement, 2004, 154, 341-348.	0.1	16
87	Cross-section of $^8\text{Li}(\alpha, n)^{11}\text{B}$: Inhomogeneous Big Bang nucleosynthesis. European Physical Journal A, 2004, 20, 355-358.	2.5	20
88	The ^6He scattering and reactions on ^{12}C and cluster states of ^{14}C . Nuclear Physics A, 2004, 730, 285-298.	1.5	83
89	The astrophysical factor for the $^{11}\text{B}(p, \hat{1}\pm 0)^8\text{Be}$ reaction extracted via the Trojan Horse method. Nuclear Physics A, 2004, 738, 406-410.	1.5	6
90	Reactions induced by 18 MeV ^6He beam on ^6Li , ^7Li and ^{12}C . Nuclear Physics A, 2004, 746, 183-187.	1.5	14

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91	The Trojan-Horse Method applied to the ${}^6\text{Li}(p, \hat{1}\pm){}^3\text{He}$ reaction down to astrophysical energies. Nuclear Physics A, 2004, 734, 639-642.	1.5	4
92	Two-proton pickup reaction (${}^6\text{He}, {}^8\text{Be}$) on ${}^{12}\text{C}, {}^{16}\text{O}$, and ${}^{19}\text{F}$. Physical Review C, 2004, 70, .	2.9	9
93	Reactions induced by the halo nucleus ${}^6\text{He}$ at energies around the Coulomb barrier. Physical Review C, 2004, 69, .	2.9	216
94	The ${}^{11}\text{B}(p, \hat{1}\pm 0){}^8\text{Be}$ reaction at sub-Coulomb energies via the Trojan-horse method. Physical Review C, 2004, 69, .	2.9	103
95	THE TROJAN HORSE METHOD APPLIED TO THE ASTROPHYSICALLY RELEVANT PROTON CAPTURE REACTIONS ON LI ISOTOPES. , 2004, , .		0
96	THE TROJAN HORSE METHOD IN NUCLEAR ASTROPHYSICS. , 2004, , .		0
97	QUASI-FREE PROTON-PROTON ELASTIC SCATTERING IN THE TROJAN HORSE FRAMEWORK. , 2004, , .		0
98	The ${}^7\text{Li}(p, \hat{1}\pm){}^4\text{He}$ fusion reaction studied via the trojan horse method and its astrophysical implications. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 455.	0.4	2
99	Bare astrophysical $S(E)$ -factor for the ${}^6\text{Li}(d, \hat{1}\pm){}^4\text{He}$ and ${}^7\text{Li}(p, \hat{1}\pm){}^4\text{He}$ reactions at astrophysical energies. Nuclear Physics A, 2003, 718, 496-498.	1.5	10
100	Indirect study of the ${}^6\text{Li}(p, \hat{1}\pm){}^3\text{He}$ reaction at astrophysical energies. Nuclear Physics A, 2003, 718, 499-501.	1.5	8
101	Light-particle emission in the reaction ${}^6\text{He} + {}^{64}\text{Zn}$ around the Coulomb barrier. Europhysics Letters, 2003, 64, 309-315.	2.0	37
102	Validity test of the "Trojan horse" method applied to the ${}^6\text{Li}(p, \hat{1}\pm){}^3\text{He}$ reaction. Physical Review C, 2003, 67, .	2.9	71
103	Proton-induced lithium destruction cross-section and its astrophysical implications. Astronomy and Astrophysics, 2003, 398, 423-427.	5.1	44
104	Indirect study of the astrophysically important ${}^{15}\text{O}(\hat{1}\pm, \hat{1}^3){}^{19}\text{N}$ reaction through ${}^2\text{H}({}^{18}\text{Ne}, {}^{19}\text{Ne}){}^1\text{H}$. Physical Review C, 2002, 66, .	2.9	19
105	The Bare Astrophysical $S(E)$ Factor of the ${}^7\text{Li}(p, \hat{1}\pm)\hat{1}\pm$ Reaction. Astrophysical Journal, 2001, 562, 1076-1080.	4.5	103
106	Fusion reaction studies with RIBs and possible experimental techniques. Progress in Particle and Nuclear Physics, 2001, 46, 317-318.	14.4	0
107	Borromean nucleus reactions induced below the breakup threshold: ${}^6\text{He}+p$. Physical Review C, 2001, 63, .	2.9	6
108	Improved information on the ${}^2\text{H}({}^6\text{Li}, \hat{1}\pm){}^4\text{He}$ reaction extracted via the "Trojan horse" method. Physical Review C, 2001, 64, .	2.9	46

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109	“Trojan horse” method applied to $2\text{H}(6\text{Li}, \alpha)4\text{He}$ astrophysical energies. Physical Review C, 2001, 63, .	2.9	99