

Emanuele Strano

List of Publications by Year in descending order

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115
papers

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citations

394421

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117
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into the reaction dynamics of proton drip-line nuclear system $^{17}\text{F}+^{58}\text{Ni}$ at near-barrier energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136045.	4.1	14
2	$\text{Be}9+p$ breakup at 5.67A MeV in a full kinematics approach. Physical Review C, 2020, 101, .	2.9	7
3	A clear signature of the breakup modes for ^9Be on a proton target at 5.6 MeV/nucleon. Journal of Physics: Conference Series, 2020, 1643, 012102.	0.4	0
4	Direct processes for the systems $^7\text{Be}, ^8\text{B} + ^{208}\text{Pb}$ at Coulomb barrier energies. Journal of Physics: Conference Series, 2020, 1643, 012096.	0.4	0
5	$^8\text{B} + ^{208}\text{Pb}$ Elastic scattering for the continuum	2.9	38
6	Cross-section Measurement of the Cosmologically Relevant $^7\text{Be}(n, \hat{1}\pm)^4\text{He}$ Reaction over a Broad Energy Range in a Single Experiment. Astrophysical Journal, 2019, 879, 23.	4.5	49
7	MITA: A Multilayer Ionization-chamber Telescope Array for low-energy reactions with exotic nuclei. European Physical Journal A, 2019, 55, 1.	2.5	12
8	Coherent coupled-reaction-channels analysis of existing and new $^9\text{Be} + ^{208}\text{Pb}$ data between 1.7 and 15 MeV/nucleon. Physical Review C, 2019, 99, .	2.9	7
9	The Cosmologically Relevant $^9\text{Be}(n, \alpha)^4\text{He}$ Reaction in View of the Recent THM Investigations. Springer Proceedings in Physics, 2019, , 53-56.	0.2	0
10	Structure of Light Nuclei Studied with $^7\text{Li} + ^{6,7}\text{Li}$ Reactions. Springer Proceedings in Physics, 2019, , 215-216.	0.2	0
11	Pre-equilibrium GDR in a heavy composite system. Journal of Physics: Conference Series, 2018, 966, 012049.	0.4	0
12	Isotopic effects in sub-barrier fusion of Si + Si systems. Physical Review C, 2018, 97, .	2.9	9
13	Fusion hindrance for the positive Q -value system $\text{C}12+\text{Si}30$. Physical Review C, 2018, 97, .	2.9	36
14	Use of the facility EXOTIC for fusion-evaporation studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 293-299.	1.6	4
15	Reaction Dynamics for the Systems $^7\text{Be}, ^8\text{B} + ^{208}\text{Pb}$ at Coulomb Barrier Energies. Journal of Physics: Conference Series, 2018, 1078, 012013.	0.4	0
16	$^8\text{B} + ^{208}\text{Pb}$ Elastic Scattering at Coulomb Barrier Energies. Journal of Physics: Conference Series, 2018, 966, 012010.	0.4	1
17	^7Be and ^8B reaction dynamics at Coulomb barrier energies. EPJ Web of Conferences, 2018, 184, 02015.	0.3	0
18	Breakup and n -transfer effects on the fusion reactions $^6\text{Li} + ^{208}\text{Pb}$ and $^7\text{Li} + ^{208}\text{Pb}$	2.9	17

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19	The ${}^7\text{Li}(d, p){}^8\text{Li}$ reaction in inverse kinematics at 5.44 MeV/u. <i>European Physical Journal A</i> , 2017, 53, 1.	2.5	6
20	Global description of the Li^7+p reaction at 5.44 MeV/u in a continuum-discretized coupled-channels approach. <i>Physical Review C</i> , 2017, 96, . <i>Elastic scattering of ${}^7\text{Li}+p$</i>	2.9	9
21	$\text{Be}+{}^7\text{Li}$ elastic scattering at near-barrier energies. <i>Physical Review C</i> , 2017, 95, .	2.9	12
22	${}^{15}\text{O}+\hat{1}\pm$ resonant elastic scattering to study cluster states in ${}^{19}\text{Ne}$. <i>Journal of Physics: Conference Series</i> , 2017, 863, 012026.	0.4	0
23	New Improved Indirect Measurement of the ${}^{19}\text{F}(p, \hat{1}\pm){}^{16}\text{O}$ Reaction at Energies of Astrophysical Relevance. <i>Astrophysical Journal</i> , 2017, 845, 19.	4.5	56
24	Evidence for $\text{O}^{15}+\hat{1}\pm$ resonance structures in Ne^{19} via direct measurement. <i>Physical Review C</i> , 2017, 96, . <i>New results in low-energy fusion of ${}^{15}\text{O}+{}^{19}\text{Ne}$</i>	2.9	21
25	$\text{Ca}+{}^{40}\text{Zr}$ fusion reaction at near-barrier energies. <i>Physical Review C</i> , 2017, 95, .	2.9	11
26	Exclusive breakup of Li^7 incident on a proton target at 5.44A MeV. <i>Physical Review C</i> , 2017, 95, .	2.9	16
27	Breakup of Li^6+p at near-barrier energies and the effect on elastic scattering. <i>Physical Review C</i> , 2017, 95, .	2.9	19
28	Dynamical Dipole mode in heavy-ion fusion reactions. <i>Journal of Physics: Conference Series</i> , 2017, 863, 012060.	0.4	0
29	Fusion hindrance for the positive Q-value system ${}^{12}\text{C}+{}^{30}\text{Si}$. <i>EPJ Web of Conferences</i> , 2017, 163, 00019.	0.3	1
30	${}^8\text{B}+{}^{208}\text{Pb}$ Elastic Scattering at Coulomb Barrier Energies. <i>EPJ Web of Conferences</i> , 2017, 163, 00032.	0.3	0
31	Reaction dynamics studies for the system ${}^7\text{Be}+{}^{208}\text{Pb}$ at Coulomb barrier energies. <i>EPJ Web of Conferences</i> , 2017, 163, 00035.	0.3	3
32	The Trojan Horse Method for nuclear astrophysics and its recent applications. <i>EPJ Web of Conferences</i> , 2017, 165, 01032.	0.3	4
33	The RIB in-flight facility EXOTIC at INFN-LNL. <i>EPJ Web of Conferences</i> , 2017, 165, 01041.	0.3	1
34	Oxygen- ${}^{15}\text{O}+\hat{1}\pm$ resonant elastic scattering to study cluster states in ${}^{19}\text{Ne}$. <i>Journal of Physics: Conference Series</i> , 2017, 876, 012021.	0.4	0
35	Dynamical Dipole mode in heavy-ion fusion reactions. <i>EPJ Web of Conferences</i> , 2017, 163, 00043.	0.3	0
36	Sub-barrier fusion of $\text{Si}+\text{Si}$ systems. <i>EPJ Web of Conferences</i> , 2017, 163, 00010.	0.3	1

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37	Structure of ^{24}Mg Excited States and Their Influence on Nucleosynthesis. Acta Physica Polonica B, 2017, 48, 319.	0.8	1
38	Neutron-rich Nuclei Populated in Multi-nucleon Transfer Reactions: the $^{197}\text{Au}+^{130}\text{Te}$ System. Acta Physica Polonica B, 2017, 48, 609.	0.8	0
39	Discrimination of Processes and Optical Model Analysis in the $^{17}\text{O}+^{58}\text{Ni}$ Collision Around the Coulomb Barrier. Acta Physica Polonica B, 2017, 48, 615.	0.8	0
40	Dynamical Dipole mode in the $^{40,48}\text{Ca} + ^{152,144}\text{Sm}$ fusion reactions at 11 MeV/nucleon. EPJ Web of Conferences, 2016, 117, 08016.	0.3	0
41	The influence of the 2-neutron elastic transfer on the fusion of $^{42}\text{Ca} + ^{40}\text{Ca}$. EPJ Web of Conferences, 2016, 117, 08008.	0.3	2
42	Fusion reactions of $^{58,64}\text{Ni} + ^{124}\text{Sn}$. EPJ Web of Conferences, 2016, 117, 08011.	0.3	0
43	The study of neutron-rich nuclei production in the region of the closed shell $N=126$ in the multi-nucleon transfer reaction $^{136}\text{Xe} + ^{208}\text{Pb}$. Journal of Physics: Conference Series, 2016, 703, 012020.	0.4	1
44	$^{17}\text{O} + ^{58}\text{Ni}$ scattering and reaction dynamics around the Coulomb barrier. Physical Review C, 2016, 94, .	2.9	11
45	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr ₃ detector and silicon photomultipliers for fusion plasma applications. Review of Scientific Instruments, 2016, 87, 11E714.	1.3	31
46	Light response of YAP:Ce and LaBr ₃ :Ce scintillators to 4–30 MeV protons for applications to Telescope Proton Recoil neutron spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 820, 85-88.	1.6	4
47	The experimental set-up of the RIB in-flight facility EXOTIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 834, 46-70.	1.6	35
48	Probing the cluster structure of ^7Li via elastic scattering on protons and deuterons in inverse kinematics. Physical Review C, 2016, 94, .	2.9	16
49	Evidence of dynamical dipole excitation in the fusion-evaporation of the $^{40}\text{Ca} + ^{152}\text{Sm}$ heavy system. Physical Review C, 2016, 93, .	2.9	7
50	Production of ^7Li and ^8Li in the $^4\text{He} + ^{16}\text{O}$ reaction. Physical Review C, 2016, 93, .	2.9	19
51	^7Be - and ^8B -reaction dynamics at Coulomb barrier energies. EPJ Web of Conferences, 2016, 117, 06006.	0.3	4
52	Elastic scattering of $^{17}\text{O} + ^{208}\text{Pb}$ at energies near the Coulomb barrier. EPJ Web of Conferences, 2016, 117, 08027.	0.3	1
53	Reexamination of $^7\text{Li} + ^{16}\text{O}$ reaction. Physical Review C, 2016, 93, .	2.9	20
54	Effects of coupling to breakup in the $^7\text{Li} + ^{16}\text{O}$ reaction. Physical Review C, 2016, 93, .	2.9	20

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55	<p>Direct and compound-nucleus reaction mechanisms in the $^{48}\text{Ca} + ^{7}\text{Li}$ system. <i>Journal of Physics: Conference Series</i>, 2015, 590, 012052.</p>	2.9	27
56	<p>Reaction dynamics induced by the radioactive ion beam ^{7}Be on medium-mass and heavy targets. <i>AIP Conference Proceedings</i>, 2015, , .</p>	2.9	30
57	<p>Elastic scattering for the system $^{6}\text{Li} + \text{p}$ at near barrier energies with MAGNEX. , 2015, , .</p>	0.4	0
58	<p>Elastic scattering and transfer reactions for the system $^{7}\text{Be} + ^{58}\text{Ni}$ at Coulomb barrier energies. <i>Journal of Physics: Conference Series</i>, 2015, 639, 012002.</p>	0.4	2
59	<p>Dynamical Dipole mode in heavy-ion fusion reactions in the ^{192}Pb mass region. <i>Journal of Physics: Conference Series</i>, 2015, 590, 012052.</p>	0.4	0
60	<p>Fusion Hindrance and Quadrupole Collectivity in Collisions of $A \approx 50$ Nuclei: The Case of $^{48}\text{Ti} + ^{58}\text{Fe}$. <i>EPJ Web of Conferences</i>, 2015, 86, 00057.</p>	0.4	1
61	<p>Transfer couplings and hindrance far below the barrier for $^{40}\text{Ca} + ^{96}\text{Zr}$. <i>EPJ Web of Conferences</i>, 2015, 86, 00056.</p>	0.3	1
62	<p>Role of neutron transfer processes on the $^{6}\text{Li} + ^{120}\text{Sn}$ and $^{7}\text{Li} + ^{119}\text{Sn}$ fusion reactions. <i>EPJ Web of Conferences</i>, 2015, 88, 01004.</p>	0.3	0
63	<p>Study of the $^{6}\text{Li} + \text{p} \rightarrow ^{3}\text{He} + ^{4}\text{He}$ reaction in inverse kinematics. <i>European Physical Journal A</i>, 2015, 51, 1.</p>	0.3	10
64	<p>Oscillations above the barrier in the fusion of $^{28}\text{Si} + ^{28}\text{Si}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2015, 746, 300-304.</p>	2.5	12
65	<p>Elastic scattering measurements for the system $^{7}\text{Be} + ^{28}\text{Si}$ at 17.2 MeV. , 2015, , .</p>	4.1	1
66	<p>Total reaction cross sections for $^{8}\text{Li} + ^{90}\text{Zr}$ at near-barrier energies. <i>European Physical Journal A</i>, 2015, 51, 1.</p>	2.5	33
67	<p>Reaction dynamics studies for the system $^{7}\text{Be} + ^{58}\text{Ni}$. <i>Journal of Physics: Conference Series</i>, 2015, 590, 012057.</p>	0.4	0
68	<p>Important influence of single neutron stripping coupling on near-barrier $^{8}\text{Li} + ^{90}\text{Zr}$ quasi-elastic scattering. <i>European Physical Journal A</i>, 2015, 51, 1.</p>	2.9	19
69	<p>Improvements in data analysis obtained by large-area silicon $\hat{\pi}^{\text{E}}$ - E detector telescopes. <i>European Physical Journal A</i>, 2015, 51, 1.</p>	2.5	9
70	<p>Investigation of the Dynamical Dipole mode in the ^{192}Pb mass region. <i>EPJ Web of Conferences</i>, 2014, 66, 03069.</p>	2.5	12
71	<p>Investigation of the Dynamical Dipole mode in the ^{192}Pb mass region. <i>EPJ Web of Conferences</i>, 2014, 66, 03069.</p>	0.3	0

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73	Fusion of $^{28}\text{Si} + ^{28}\text{Si}$: oscillations above the barrier and the behavior down to $1/4$. EPJ Web of Conferences, 2014, 66, 03082.	0.3	3
74	Transfer vs. Breakup in the interaction of the ^7Be Radioactive Ion Beam with a ^{58}Ni target at Coulomb barrier energies. EPJ Web of Conferences, 2014, 66, 03060.	0.3	0
75	Measurement of Li+Sn fusion excitation functions around the Coulomb barrier using an improved activation technique. EPJ Web of Conferences, 2014, 66, 03027.	0.3	1
76	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
77	Direct and Compound Nucleus Reactions for the System $^7\text{Be} + ^{58}\text{Ni}$ at Near-barrier Energies. Acta Physica Polonica B, 2014, 45, 363.	0.8	0
78	Study of ^{24}Mg resonances relevant for carbon burning nucleosynthesis. , 2014, , .		0
79	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
80	Fusion of $^{28}\text{Si} + ^{28}\text{Si}$ at near-barrier energies. Journal of Physics: Conference Series, 2014, 569, 012024.	2.9	27
81	Fusion of $^{40}\text{Ca} + ^{96}\text{Zr}$ revisited: Transfer couplings and hindrance far below the barrier. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 639-644.	4.1	62
82	Elastic scattering of ^{17}O ions from ^{58}Ni at near-barrier energies. EPJ Web of Conferences, 2014, 66, 03087.	0.3	0
83	$^{8}\text{Li} + ^{12}\text{B}$ resonant elastic scattering: a tool to study cluster states in ^{12}B . Journal of Physics: Conference Series, 2014, 569, 012024.	0.4	1
84	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
85	Upgrade of the facility EXOTIC for the in-flight production of light Radioactive Ion Beams. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 223-226.	1.4	24
86	The high granularity and large solid angle detection array EXPADES. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 657-660.	1.4	24
87	Quasielastic backscattering and barrier distributions for the $^6,7\text{Li} + ^{64}\text{Zn}$ systems. Physical Review C, 2013, 87, .	2.9	23
88	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
89	Scattering process for the system $^7\text{Be} + ^{58}\text{Ni}$ at 23.2 MeV beam energy. Journal of Physics: Conference Series, 2013, 420, 012077.	0.4	1
90	Dynamical Dipole Mode in the ^{192}Pb Mass Region. Acta Physica Polonica B, 2013, 44, 605.	0.8	1

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91	Fusion cross sections of $^{8}\text{B} + ^{28}\text{Si}$ at near-barrier energies. Physical Review C, 2013, 87, .	2.9	39
92	Determination of the half-life of ^{213}Fr with high precision. Physical Review C, 2013, 88, .	2.9	7
93	States in ^{10}Be populated in $^{6,7}\text{Li} + ^{3,4}\text{He}$ reactions at 30 and 52 MeV. Journal of Physics: Conference Series, 2013, 436, 012044.	0.4	0
94	Elastic scattering measurement for the system $^{17}\text{O} + ^{58}\text{Ni}$ at Coulomb barrier energies with silicon strip detectors exploiting ASIC electronics. Journal of Physics: Conference Series, 2013, 420, 012071.	0.4	1
95	Study of ^{24}Mg resonances relevant to carbon burning nucleosynthesis. Journal of Physics: Conference Series, 2013, 436, 012074.	0.4	0
96	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
97	Recent Results on Reactions with Weakly-bound Nuclei. Acta Physica Polonica B, 2013, 44, 437.	0.8	2
98	Studies on the response of double sided silicon strip detectors. , 2012, , .		0
99	Study of ^{24}Mg resonances relevant for carbon burning nucleosynthesis. , 2012, , .		0
100	Reactions induced by ^{7}Li beam and optimization of silicon detector telescope. , 2012, , .		1
101	Fusion reactions in collisions induced by Li isotopes on Sn targets. , 2012, , .		0
102	The Inverse Kinematics Thick Target scattering method as a tool to study cluster states in exotic nuclei. Journal of Physics: Conference Series, 2012, 366, 012013.	0.4	6
103	Quasi-elastic backscattering of $^{6,7}\text{Li}$ on light, medium and heavy targets at near- and sub-barrier energies. European Physical Journal A, 2012, 48, 1.	2.5	33
104	Energy reconstruction from PileUp events. , 2012, , .		0
105	Enhancement in the $^{6}\text{He} + ^{64}\text{Zn}$ fusion cross section at energies around the barrier: static or dynamic effect?. EPJ Web of Conferences, 2011, 17, 16003.	0.3	1
106	Reactions induced by ^{11}Be beam at Rex-Isolde. EPJ Web of Conferences, 2011, 17, 13001.	0.3	0
107	Structure effects and dynamics in fusion reactions of light weakly bound nuclei. Journal of Physics: Conference Series, 2011, 282, 012020.	0.4	0
108	Fusion, elastic and total reaction cross sections in the collision $^{6}\text{Li} + ^{64}\text{Zn}$. EPJ Web of Conferences, 2011, 17, 16018.	0.3	5

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109	Studying [¹² B via [⁸ Li- \hat{I} ± resonant scattering. , 2011, , .		0
110	Elastic scattering of Beryllium isotopes near the Coulomb barrier. , 2011, , .		0
111	Evidence of strong effects of the ¹¹ Be halo structure on reaction processes at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2011, 312, 082020.	0.4	0
112	Halo effects on fusion cross section in ^{4,6} He+ ⁶⁴ Zn collision around and below the coulomb barrier. Journal of Physics: Conference Series, 2011, 282, 012014.	0.4	6
113	Li- \hat{I} ± CLUSTER STATES IN ¹² B USING ⁸ Li + ⁴ He INVERSE KINEMATICS ELASTIC SCATTERING. International Journal of Modern Physics E, 2011, 20, 1026-1029.	1.0	7
114	Fusion Cross Section in the [^{4,6} He+ ⁶⁴ Zn Collisions Around the Coulomb Barrier. , 2011, , .		0
115	Elastic Scattering and Fusion of [⁶ Li on [⁶⁴ Zn at the Barrier. , 2011, , .		1