TamÃ¡s SzÃ¼cs

List of Publications by Year
in descending order

126 papers	2,271 citations	159585 30 h-index	289244 40 g-index
129 all docs	129 docs citations	129 times ranked	1207 citing authors

#	Article	IF	Citations
1	Activation cross sectionÂmeasurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mn>14</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml: mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>15</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> astrophysical key reaction. P	2.9	7
2	³He(<i>Î±</i>,<i>Î³</i>)⁷Be cross section measurement around ⁷Be known energy levels. EPJ Web of Conferences, 2022, 260, 11002.	0.3	0
3	High-precision <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Sm</mml:mi><mml:mprescripts /><mml:none /><mml:mn>144</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î±</m 144</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> scattering at	2.9	3
4	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">H</mml:mi><mml:mprescripts /><mml:none /><mml:mn>2</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:m /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>S</mml:mi></mml:. Physical Review C, 20	2.9	5
5	Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021	1.6	21
6	Indirect determination of the astrophysical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>S</mml:mi></mml:math> factor for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts></mml:math> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 522 Td (	2.9	15
7	display="inline" id="d1e6953" altimg="si202.svg"><mml:mi>Î±</mml:mi></mml:math>-induced reactions for nuclei with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e6958" altimg="si8.svg"><mml:mrow><mml:mn>26</mml:mn><mml:mo linebreak="goodbreak" ml:mi>Z</mml:mi><mml:mo linebreak="goodbreak" omic Data and Nuclear	2.4	12
8	Low-energy resonances in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts></mml:math> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (xmlns:mml= mathvariant="normal">F</mml:mi></mml:math> reaction. Physical Review C, 2021, 104, .	2.9	13
9	Measurement of the ⁹¹Zr(p,Î³)^{92m}Nb cross section motivated by type Ia supernova nucleosynthesis. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 105202.	3.6	5
10	Activation thick target yield measurement of Mo100(Î±,n)Ru103 for studying the weak r -process nucleosynthesis. Physical Review C, 2021, 104, .	2.9	11
11	Direct Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>n</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT / mathvariant="normal">O</mm	7.8	40
12	Opportunities for measurements of astrophysicalâ€relevant alphaâ€capture reaction rates at CRYRING@ESR. X-Ray Spectrometry, 2020, 49, 129-132.	1.4	2
13	Astrophysical S-factor for the 3He(Î±,Î³)7Be reaction via the asymptotic normalization coefficient (ANC) method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135606.	4.1	30
14	The baryon density of the Universe from an improved rate of deuterium burning. Nature, 2020, 587, 210-213.	27.8	101
15	Determination of luminosity for in-ring reactions: A new approach for the low-energy domain. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 982, 164367.	1.6	2
16	Underground experimental study finds no evidence of low-energy resonance in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:m /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>reaction. Physical Review C, 2020, 102, .	2.9	12
17	A new approach to monitor $$^{13}hbox {C}$$-targets degradation in situ for $$^{13}hbox {C}(alpha) Tj ETQq1 1 0.784314 rgBT /Ove 56, 1.	2.5	20
18	Neutron flux and spectrum in the Dresden Felsenkeller underground facility studied by moderated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> counters. Physical Review D, 2020, 101, .	4.7	10

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19	Successful Prediction of Total <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> -Induced Reaction Cross Sections at Astrophysically Relevant Sub-Coulomb Energies Using a Novel Approach. Physical Review Letters, 2020, 124, 252701.	7.8	28
20	Activation measurement of a-induced cross sections for 197Au: analysis in the statistical model and beyond. Journal of Physics: Conference Series, 2020, 1668, 012042.	0.4	3
21	Setup commissioning for an improved measurement of the D(p,$$gamma $$)^{3}He cross section at Big Bang Nucleosynthesis energies. European Physical Journal A, 2020, 56, 1.	2.5	22
22	Resonance strengths in the N14 (p,Î³)O15 astrophysical key reaction measured with activation. Physical Review C, 2019, 100, .	2.9	11
23	Direct measurements of low-energy resonance strengths of the 23Na(p,Î³)24Mg reaction for astrophysics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 122-128.	4.1	23
24	Cross section of the reaction 18O(p,Î³)19F at astrophysical energies: The 90 keV resonance and the direct capture component. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134900.	4.1	18
25	Improved astrophysical rate for the 18O(p,Î±)15N reaction by underground measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 237-242.	4.1	22
26	Cross section and neutron angular distribution measurements of neutron scattering on natural iron. Physical Review C, 2019, 99, .	2.9	13
27	Cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> around the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math> Ph	2.9	24
28	Half-life measurement of 65Ga with Î³-spectroscopy. Applied Radiation and Isotopes, 2019, 148, 87-90.	1.5	3
29	High precision half-life measurement of 125Cs and 125Xe with Î³-spectroscopy. Nuclear Physics A, 2019, 986, 213-222.	1.5	3
30	The muon intensity in the Felsenkeller shallow underground laboratory. Astroparticle Physics, 2019, 112, 24-34.	4.3	11
31	Approaching the Gamow Window with Stored Ions: Direct Measurement of Xe124(p,Î³) in the ESR Storage Ring. Physical Review Letters, 2019, 122, 092701.	7.8	38
32	Background in Î³-ray detectors and carbon beam tests in the Felsenkeller shallow-underground accelerator laboratory. European Physical Journal A, 2019, 55, 1.	2.5	13
33	Cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -induced reactions on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mn>197</mml:mn></mml:mmultiscripts></mml:math> at sub-Coulomb energies. Physical Review C, 2019, 100, .	2.9	12
34	The new Felsenkeller 5 MV underground accelerator. , 2019, , .		6
35	Investigation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -induced reactions on Sb isotopes relevant to the astrophysical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> process. Physical Review C, 2018, 97, .	2.9	20
36	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

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37	Cross section of Î±-induced reactions on iridium isotopes obtained from thick target yield measurement for the astrophysical Î³ process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 396-401.	4.1	14
38	Astrophysical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>S</mml:mi></mml:math> factor of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mn>14</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi>	2.9	24
39	A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the 189.5 keV 22Ne(p, $gamma$ Î³)23Na resonance. European Physical Journal A, 2018, 54, 1.	2.5	39
40	Felsenkeller 5 MV underground accelerator: Towards the Holy Grail of Nuclear Astrophysics ¹²C(Î±, Î³)¹⁶O. EPJ Web of Conferences, 2018, 178, 01008.	0.3	2
41	Nuclear physics uncertainties of the astrophysicalÎ³-process studied through the⁶⁴Zn(p,Î±)⁶¹Cu and⁶⁴Zn(p,Î³)⁶⁵Ga reactions. Journal of Physics: Conference Series, 2018, 940, 012005.	0.4	0
42	Direct Capture Cross Section and the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>E</mml:mi></mml:mrow><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> and 105ÂkeV Resonances in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ne</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mi>N</mml:mi></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>	7.8	30
43	-induced reactions on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>In</mml:mi><mml:mprescripts /><mml:none /><mml:mn>115</mml:mn></mml:mmultiscripts></mml:math> : Cross section measurements and statistical model analysis. Physical Review C, 2018, 97, .	2.9	13
44	The neutron transmission of natFe, 197Au and natW. European Physical Journal A, 2018, 54, 1.	2.5	6
45	Effect of beam energy straggling on resonant yield in thin gas targets: The cases²²Ne(p,Î³)²³Na and¹⁴N(p,Î³)¹⁵O. Europhysics Letters, 2018, 122, 52001.	2.0	13
46	The $gamma$ Î³ -ray angular distribution in fast neutron inelastic scattering from iron. European Physical Journal A, 2018, 54, 1.	2.5	5
47	Origin of meteoritic stardust unveiled by a revised proton-capture rate of 17O. Nature Astronomy, 2017, 1, .	10.1	64
48	Big Bang 6 Li nucleosynthesis studied deep underground (LUNA collaboration). Astroparticle Physics, 2017, 89, 57-65.	4.3	37
49	The impact of the revised¹⁷O(p,Î±)¹⁴N reaction rate on¹⁷O stellar abundances and yields. Astronomy and Astrophysics, 2017, 598, A128.	5.1	25
50	Cross section measurement of the astrophysically important <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>17</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi> width="0.16em" /><mml:mmultiscripts><mml:mi mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts></mml:mrow. Physical Review C, 2017, 95, .	2.9	9
51	²²Ne and²³Na ejecta from intermediate-mass stars: the impact of the new LUNA rate for²²Ne(p, Î³)²³Na. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4817-4837.	4.4	40
52	Proton and Î± capture studies for nuclear astrophysics at GSI storage rings. Journal of Physics: Conference Series, 2017, 875, 092015.	0.4	1
53	Neutron transmission measurement for natural W at nELBE. EPJ Web of Conferences, 2017, 146, 11044.	0.3	1
54	3He(Î±, Î³)7Be cross section in a wide energy range. EPJ Web of Conferences, 2017, 165, 01049.	0.3	2

#	Article	IF	Citations
55	Target characterizations for a 14N(p,Î³)15O cross section measurement. EPJ Web of Conferences, 2017, 165, 01027.	0.3	1
56	Î±-induced reaction cross section measurements on 197Au. EPJ Web of Conferences, 2017, 165, 01050.	0.3	0
57	Angular distribution measurement of gamma rays from inelastic neutron scattering on 56Fe at the nELBE time-of-flight facility. EPJ Web of Conferences, 2017, 146, 11040.	0.3	3
58	Towards a Total Cross Section Measurement of the ¹⁴N(p,â€...(gamma))¹⁵O Reaction by Activation. , 2017, , .		0
59	Program and status for the planned underground accelerator in the Dresden Felsenkeller. Journal of Physics: Conference Series, 2016, 665, 012030.	0.4	0
60	High precision elastic Î± scattering on the even-odd115In nucleus at low energies. Journal of Physics: Conference Series, 2016, 665, 012035.	0.4	3
61	Alpha capture reaction cross section measurements on Sb isotopes by activation method. Journal of Physics: Conference Series, 2016, 665, 012042.	0.4	2
62	Cross section measurements for Î³-process studies using a LEPS detector. Journal of Physics: Conference Series, 2016, 665, 012041.	0.4	1
63	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> scattering and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -induced reaction cross sections of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi	2.9	17
64	Improved Direct Measurement of the 64.5AkeV Resonance Strength in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>17</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo		

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73	Three New Low-Energy Resonances in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ru</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>96</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mrow><mml:mi>p</mml:mi>	2.09	4
74	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ne</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>22</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo> cross sec.		

#	Article	IF	Citations
91	The Karlsruhe Astrophysical Database of Nucleosynthesis in Stars Project â€“ Status and Prospects. Nuclear Data Sheets, 2014, 120, 171-174.	2.2	41
92	KADoNiS-p: The Astrophysical p-Process Database. Nuclear Data Sheets, 2014, 120, 191-193.	2.2	15
93	First Direct Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT	7.8	95
94	Cross-section measurements at astrophysically relevant energies: The LUNA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 258-260.	1.6	2
95	Alpha induced reaction cross section measurements on 162Er for the astrophysical Î³ process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 40-44.	4.1	30
96	Investigation of Î±-induced reactions on the p nucleus. Nuclear Physics A, 2013, 916, 149-167.	1.5	35
97	Neutron-induced background by an Î±-beam incident on a deuterium gas target and its implications for the study of the 2H(Î±,Î³)6Li reaction at LUNA. European Physical Journal A, 2013, 49, 1.	2.5	31
98	Resonance triplet atEÎ±=4.5ÂMeV in the40Ca(Î±,Î³)44Ti reaction. Physical Review C, 2013, 88, .	2.9	16
99	Activation measurement of the reaction cross section at high energies. Nuclear Physics A, 2013, 908, 1-11.	1.5	52
100	High precision<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>113</mml:mn></mml:msup></mml:math>In(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (xmlns:mml="http:/	2.9	25
101	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml: Relation between total cross sections from elastic scattering andÎ±-induced reactions: The example of64Zn. Physical Review C, 2012, 86, .	2.9	26
102	Astrophysical analysis of the measurement of (Î±,Î³) and (Î±,n) cross sections of169Tm. Physical Review C, 2012, 86, .	2.9	20
103	First Direct Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>17</mml:mn></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT / Publisherâ€™s Note: Investigation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-induced reactions on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>127</mml:mn></mml:msup></mml:math>I for the astrophysical<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>process [Phys. Rev. C86, 035801 (2012)].	2.9	0
104	Physica		
105	Lifetime measurement of the 6.79 MeV state in [sup 15]O with the AGATA demonstrator. , 2012, , .		2
106	Towards in-beam (Î±,Î³) cross section measurements for the astrophysicalÎ³-process. Journal of Physics: Conference Series, 2012, 337, 012063.	0.4	1
107	A possible underground accelerator in the Dresden Felsenkeller. Journal of Physics: Conference Series, 2012, 337, 012032.	0.4	1
108	The KADoNiS databases - progress and future plans. Journal of Physics: Conference Series, 2012, 337, 012033.	0.4	7

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109	Experimental study ofÎ±-induced reactions on⁶⁴Zn for the astrophysicalÎ³-process. Journal of Physics: Conference Series, 2012, 337, 012009.	0.4	2
110	Investigation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-induced reactions on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>127</mml:mn></mml:msup></mml:math>I for the astrophysical<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>process. Physical Review C, 2012, 86, .	2.9	21
111	Lifetime measurement of the 6.79 MeV state in [sup 15]O with the AGATA demonstrator. AIP Conference Proceedings, 2012, , .	0.4	0
112	Thin-window gas cell target for activation cross-section measurements relevant for nuclear astrophysics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 693, 220-225.	1.6	10
113	Preparation and characterisation of isotopically enriched Ta2O5 targets for nuclear astrophysics studies. European Physical Journal A, 2012, 48, 1.	2.5	43
114	Investigation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-induced reactions on<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>Ba and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>132</mml:mn></mml:msup></mml:math>Ba and their importance for the synthesis of heavy<	2.9	38
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