

# Zoltan Elekes

## List of Publications by Year in descending order

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Version: 2024-02-01

212  
papers

5,088  
citations

61857

43  
h-index

123241

61  
g-index

217  
all docs

217  
docs citations

217  
times ranked

2365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shell Closure in $N=28$ Nuclei. Physical Review Letters, 2007, 99, 022503.	2.9	262
2	Activation Measurement of the ${}^3\text{He}({}^7\text{Be}, n){}^4\text{He}$ Cross Section at Low Energy. Physical Review Letters, 2006, 97, 122502.	2.9	136
3	Astrophysical S-factor of the ${}^3\text{He}({}^7\text{Be}, n){}^4\text{He}$ reaction measured at low energy via detection of prompt and delayed ${}^3\text{He}$ rays. Physical Review C, 2007, 75, .	1.1	117
4	Anomalously Hindered $E2$ Strength in ${}^{16}\text{C}$ . Physical Review Letters, 2004, 92, 062501.	2.9	102
5	The baryon density of the Universe from an improved rate of deuterium burning. Nature, 2020, 587, 210-213.	13.7	101
6	First Direct Measurement of the ${}^2\text{H}({}^3\text{He}, n){}^4\text{He}$ Reaction. Physical Review Letters, 2018, 120, 052501.	2.9	95
7	Beyond the neutron drip line: The unbound oxygen isotopes ${}^{25}\text{O}$ and ${}^{26}\text{O}$ . Physical Review C, 2013, 88, .	1.1	93
8	${}^3\text{He}({}^7\text{Be}, n){}^4\text{He}$ cross section at low energies. Physical Review C, 2007, 75, .	1.1	86
9	Disappearance of the $N=14$ shell gap in the carbon isotopic chain. Physical Review C, 2008, 78, .	1.1	81
10	Spectroscopic Study of Neutron Shell Closures via Nucleon Transfer in the Near-Dripline Nucleus ${}^{23}\text{O}$ . Physical Review Letters, 2007, 98, 102502.	2.9	81
11	Precision study of ground state capture in the ${}^{14}\text{N}({}^3\text{He}, n){}^{16}\text{O}$ reaction. Physical Review Letters, 2018, 120, 052501.	1.1	78
12	${}^3\text{He}$ -induced cross sections of ${}^{106}\text{Cd}$ for the astrophysical p process. Physical Review C, 2006, 74, .	1.1	74
13	The S-factor at solar energies: The prompt ${}^3\text{He}$ experiment at LUNA. Nuclear Physics A, 2008, 814, 144-158.	0.6	71
14	Lifetime of the isomeric ${}^{12}\text{Be}$ state in ${}^{12}\text{Be}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 654, 87-91.	1.5	70
15	Reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle Strength. Physical Review Letters, 2018, 120, 052501.	2.9	69
16	Low-lying excited states in ${}^{17}\text{C}$ , ${}^{19}\text{C}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 614, 174-180.	1.5	68
17	Decoupling of valence neutrons from the core in ${}^{16}\text{C}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 586, 34-40.	1.5	67
18	The ${}^{25}\text{Mg}(p, n){}^{26}\text{Al}$ reaction at low astrophysical energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 60-65.	1.5	64

#	ARTICLE	IF	CITATIONS
19	Origin of meteoritic stardust unveiled by a revised proton-capture rate of $^{17}\text{O}$ . Nature Astronomy, 2017, 1, .	4.2	64
20	Suppression of the Coulomb Interaction in the Off-Energy-Shell $^{\sim}\text{p}$ Scattering from the $^{\sim}\text{p}+\text{p}+\text{n}$ Reaction. Physical Review Letters, 2007, 98, 252502.	2.9	59
21	Ultra-sensitive in-beam $\gamma$ -ray spectroscopy for nuclear astrophysics at LUNA. European Physical Journal A, 2009, 39, 179-186.	1.0	59
22	Improved Direct Measurement of the 64.5 keV Resonance Strength in the $^{\sim}\text{p}+\text{p}+\text{n}$ Reaction. Physical Review Letters, 2007, 98, 252502.		

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37	A new study of the $^{22}\text{Ne}(p, \hat{1}^3)^{23}\text{Na}$ reaction deep underground: Feasibility, setup and first observation of the 186 keV resonance. <i>European Physical Journal A</i> , 2014, 50, 1.	1.0	46
38	Nuclear Data Sheets for A = 128. <i>Nuclear Data Sheets</i> , 2015, 129, 191-436.	0.7	46
39	Bound excited states in $^{27}\text{F}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 599, 17-22.	1.5	45
40	Proton inelastic scattering studies at the borders of the "island of inversion": The $^{30,31}\text{Na}$ and $^{33,34}\text{Mg}$ case. <i>Physical Review C</i> , 2006, 73, .	1.1	45
41	Direct measurement of the $^{15}\text{N}(p, \hat{1}^3)^{16}\text{O}$ total cross section at novae energies. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 045202.	1.4	45
42	Vanishing N=20 Shell Gap: Study of Excited States in $^{27,28}\text{Ne}$ . <i>Physical Review Letters</i> , 2006, 96, 182501.	2.9	44
43	In-beam $\hat{1}^3$ -ray spectroscopy of the neutron-rich nitrogen isotopes $^{19}\text{N}$ and $^{22}\text{N}$ . <i>Physical Review C</i> , 2008, 77, .	1.1	44
44	Alpha-induced reaction cross section measurements on $^{151}\text{Eu}$ for the astrophysical $\hat{1}^3$ -process. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010, 37, 115201.	1.4	44
45	Determining reaction cross sections via characteristic X-ray detection: $\hat{1}^3$ -induced reactions on $^{169}\text{Tm}$ for the astrophysical $\hat{1}^3$ -process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 419-423.	1.5	44
46	Preparation and characterisation of isotopically enriched $\text{Ta}_2\text{O}_5$ targets for nuclear astrophysics studies. <i>European Physical Journal A</i> , 2012, 48, 1.	1.0	43
47	Nuclear Deformation and Neutron Excess as Competing Effects for Dipole Strength in the Pygmy Region. <i>Physical Review Letters</i> , 2014, 112, 072501.	2.9	43
48	Off-energy-shell $p + \hat{1}^3$ scattering at sub-Coulomb energies via the Trojan horse method. <i>Physical Review C</i> , 2008, 78, .	1.1	42
49			

#	ARTICLE	IF	CITATIONS
55	<a href="http://www.w3.org/1998/Math/MathML">Constraining the <math>\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ display}=\text{"inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{factor of} \langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ display}=\text{"inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant}=\text{"normal"} \rangle N \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 15 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mo}</math></a>		

#	ARTICLE	IF	CITATIONS
73	The impact of the revised $^{17}\text{O}(p, \hat{1}\pm)^{14}\text{N}$ reaction rate on $^{17}\text{O}$ stellar abundances and yields. <i>Astronomy and Astrophysics</i> , 2017, 598, A128.	2.1	25
74	Quadrupole collectivity in island-of-inversion nuclei $^{28,30}\text{Ne}$ and $^{34,36}\text{Mg}$ . <i>Physical Review C</i> , 2014, 89, .	1.1	24
75	Study of beam heating effect in a gas target through Rutherford scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 569, 727-731.	0.7	23
76	$^{110,116}\text{Cd}(p, \hat{1}\pm)^{110,116}\text{Cd}$ elastic scattering and systematic investigation of elastic $\hat{1}\pm$ scattering cross sections along the $Z=48$ isotopic and $N=62$ isotonic chains. <i>Physical Review C</i> , 2011, 83, .	1.1	23
77	Direct measurements of low-energy resonance strengths of the $^{23}\text{Na}(p, \hat{1}^3)^{24}\text{Mg}$ reaction for astrophysics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 122-128.	1.5	23
78	Improved astrophysical rate for the $^{18}\text{O}(p, \hat{1}\pm)^{15}\text{N}$ reaction by underground measurements. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 237-242.	1.5	22
79	Setup commissioning for an improved measurement of the $\text{D}(p, \gamma)^3\text{He}$ cross section at Big Bang Nucleosynthesis energies. <i>European Physical Journal A</i> , 2020, 56, 1.	1.0	22
80	Application of a Clover $^{40}\text{Ge}$ BGO detector system for PIGE measurements at a nuclear microprobe. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1999, 158, 209-213.	0.6	20
81	Decoupling of valence neutrons from the core in $^{17}\text{B}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 621, 81-88.	1.5	20
82	Low-lying proton intruder state in $^{13}\text{B}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 666, 311-314.	1.5	20
83	Dipole strength distribution of $^{74}\text{Ge}$ . <i>Physical Review C</i> , 2015, 92, .		20
84	A new approach to monitor $^{13}\text{C}$ targets degradation in situ for $^{13}\text{C}(\alpha, n)^{14}\text{C}$ . <i>Overlock</i> 10, 56, 1.	1.0	20
85	NeuLAND: The high-resolution neutron time-of-flight spectrometer for R3B at FAIR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1014, 165701.	0.7	19
86	Study of cross-sectional and longitudinal distribution of some major and minor elements in the hair samples of haemodialysed patients with micro-PIXE. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 553-557.	1.6	18
87	Proton capture cross-section of $^{106,108}\text{Cd}$ for the astrophysical p-process. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 817-825.	1.4	18
88	Search for low lying dipole strength in the neutron rich nucleus $^{26}\text{Ne}$ . <i>Nuclear Physics A</i> , 2007, 788, 153-158.	0.6	18
89	Quasi-free neutron and proton knockout reactions from light nuclei in a wide neutron-to-proton asymmetry range. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 682-688.	1.5	18
90	Cross section of the reaction $^{18}\text{O}(p, \hat{1}^3)^{19}\text{F}$ at astrophysical energies: The 90 keV resonance and the direct capture component. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134900.	1.5	18

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91	Contribution of PIGE technique to the study of obsidian glasses. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 836-841. Persistence of the $\langle \text{mml:mrow} \langle \text{mml:mi} \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 50 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{shell} \text{closure in the neutron-rich isotope} \langle \text{mml:math} \text{Ge} \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 80 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{scattering and} \langle \text{mml:math} \rangle \text{Physical Review C, 2008, 78, .}$	0.6	17
92	$\langle \text{mml:mrow} \langle \text{mml:mi} \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 50 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{shell} \text{closure in the neutron-rich isotope} \langle \text{mml:math} \text{Ge} \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 80 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{scattering and} \langle \text{mml:math} \rangle \text{Physical Review C, 2008, 78, .}$	1.1	17
93	Inelastic scattering studies of $^{64}\text{Zn}$ -induced reaction cross sections of $^{64}\text{Zn}$ .	1.1	17
94	Inelastic scattering studies of $^{16}\text{C}$ reexamined. Physical Review C, 2008, 78, .	1.1	16
95	Resonance triplet at $E_{\text{lab}} = 4.5 \text{ MeV}$ in the $^{40}\text{Ca}(\hat{1}, \hat{1}^3) ^{44}\text{Ti}$ reaction. Physical Review C, 2013, 88, .	1.1	16
96	In-beam spectroscopic studies of the $^{44}\text{S}$ nucleus. Physical Review C, 2012, 85, .	1.1	15
97	Nuclear structure studies of $^{24}\text{F}$ .	1.1	15
98	Quasifree ( $^{16}\text{O} + ^{16}\text{O}$ ) reaction. Physical Review C, 2015, 92, .	1.1	15
99	Reduced transition probabilities for the first $2+$ excited state in $^{46}\text{Cr}$ , $^{50}\text{Fe}$ , and $^{54}\text{Ni}$ . European Physical Journal A, 2005, 25, 409-413.	1.0	14
100	Search for neutron decoupling in $^{22}\text{O}$ via the ( $d, d' \hat{1}^3$ ) reaction. Physical Review C, 2006, 74, .	1.1	14
101	Excited states in the neutron-rich nucleus $^{25}\text{F}$ . Physical Review C, 2014, 89, .	1.1	14
102	Experimental study of the astrophysical $^{13}\text{C}$ -process reaction $^{13}\text{C} + ^{14}\text{N} \rightarrow ^{13}\text{C} + ^{14}\text{N} + \text{neutrons}$ .	1.1	14
103	Effective proton-neutron interaction near the dip line from unbound states in $^{25}\text{F}$ .	1.1	14
104	Coulomb Dissociation of $^{23}\text{Al}$ for the stellar $^{22}\text{Mg}(p, \hat{1}^3) ^{23}\text{Al}$ reaction. Nuclear Physics A, 2005, 758, 761-764.	0.6	13
105	Resonance states in $^{27}\text{P}$ using Coulomb dissociation and their effect on the stellar reaction $^{26}\text{Si}(p, \hat{1}^3) ^{27}\text{P}$ . Physical Review C, 2011, 84, .	1.1	13
106	Effect of beam energy straggling on resonant yield in thin gas targets: The cases $^{22}\text{Ne}(p, \hat{1}^3) ^{23}\text{Na}$ and $^{14}\text{N}(p, \hat{1}^3) ^{15}\text{O}$ . Europhysics Letters, 2018, 122, 52001.	0.7	13
107	Shallow-underground accelerator sites for nuclear astrophysics: Is the background low enough? $^{18}\text{O} + ^{13}\text{C} \rightarrow ^{18}\text{O} + ^{13}\text{C} + \text{neutrons}$ reaction. Physical Review C, 2021, 104, .	1.1	13
108	Shallow-underground accelerator sites for nuclear astrophysics: Is the background low enough? European Physical Journal A, 2012, 48, 1.	1.0	12

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109	Underground experimental study finds no evidence of low-energy resonance in the $^7\text{Li} + ^7\text{Li}$ reaction. Physical Review C, 2020, 102, .	1.1	12
110	Comparative geochemical studies of obsidian samples from various localities. Acta Geologica Hungarica, 2006, 49, 73-87.	0.2	11
112	Prototyping and tests for an MRPC-based time-of-flight detector for 1GeV neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 79-87.	0.7	11
113	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. Physical Review C, 2016, 93, .	1.1	11
114	Nuclear structure of $^{76}\text{Ni}$ from the $(^7\text{Li}, ^7\text{B})$ reaction. Physical Review C, 2016, 93, .	1.1	10
115	Deuteron induced gamma-ray emission method applied at a nuclear microprobe for carbon and oxygen content measurements. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 291-295.	0.6	10
116	Precise half-life measurement of $^{110}\text{Sn}$ and $^{109}\text{In}$ isotopes. Physical Review C, 2005, 71, .	1.1	10
117	Precise half-life measurement of the 10 h isomer in $^{154}\text{Tb}$ . Nuclear Physics A, 2009, 828, 1-8.	1.1	10
118	Precise half-life measurement of the 10 h isomer in $^{154}\text{Tb}$ . Nuclear Physics A, 2009, 828, 1-8.	0.6	10
119	Spectroscopy of $^{39,41}\text{Si}$ and the border of the $^7\text{Li} + ^7\text{Li}$ spectroscopy. Physical Review C, 2012, 85, .	1.5	10
120	Spectroscopy of $^{39,41}\text{Si}$ and the border of the $^7\text{Li} + ^7\text{Li}$ spectroscopy. Physical Review C, 2012, 85, .	1.1	10
122	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.	0.7	10
123	NeuLAND MRPC-based detector prototypes tested with fast neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S145-S148.	0.7	10
124	Neutron total cross section measurements of gold and tantalum at the nELBE photoneutron source. European Physical Journal A, 2013, 49, 1.	1.0	10
125	Determination of the neutron-capture rate of $^{17}\text{C}$ for r -process nucleosynthesis. Physical Review C, 2017, 95, .	1.1	10
126	Study of the Stellar $^{22}\text{Mg}(p, ^3\text{He})^{23}\text{Al}$ Reaction using the Coulomb-Dissociation Method. Nuclear Physics A, 2004, 734, E77-E79.	0.6	9



#	ARTICLE	IF	CITATIONS
127	of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>E</mml:mi><mml:mi>p</mml:mi></mml:msub></mml:mrow></mml:math> resonance in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow>		

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#	ARTICLE	IF	CITATIONS
145	Coulomb dissociation of $^{27}\text{P}$ at 500 MeV/u. <i>Physical Review C</i> , 2016, 93, .	1.1	6
146	Search for an isomeric state in $^{19}\text{C}$ . <i>Nuclear Physics A</i> , 2005, 757, 315-328.	0.6	5
147	Study of the $^{26}\text{Si}(p, \hat{1}^3)^{27}\text{P}$ reaction through Coulomb dissociation of $^{27}\text{P}$ . <i>European Physical Journal A</i> , 2006, 27, 233-236.	1.0	5
148	Publisher's Note: Astrophysical S factor of the $^3\text{He}(\hat{1}^3)^7\text{Be}$ reaction measured at low energy via detection of prompt and delayed $\hat{1}^3$ rays [Phys. Rev. C75, 065803 (2007)]. <i>Physical Review C</i> , 2007, 75, .	1.1	5
149	First spectroscopic study of $^{51}\text{Ar}$ by the (p,2p) reaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 814, 136108.	1.5	5
150	Besznk a rsztel Megyei jogrosok fejlesztsi dokumentumainak elemzse az rintettek rsztelnek aspektusbl. Trs Trsadalom, 2016, 30, 45-62.	0.0	5
151	Coulomb dissociation experiment for explosive hydrogen burning: study of the $^{22}\text{Mg}(p, \hat{1}^3)^{23}\text{Al}$ reaction. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005, 31, S1517-S1521.	1.4	4
152	$^{106}, ^{108}\text{Cd}(p, \hat{1}^3)^{107}, ^{109}\text{In}$ cross-sections for the astrophysical p-process. <i>European Physical Journal A</i> , 2006, 27, 141-144.	1.0	4
153	Study of N=20 shell gap with $^1\text{H}(^{28}\text{Ne}, ^{27}, ^{28}\text{Ne})$ reactions. <i>European Physical Journal: Special Topics</i> , 2007, 150, 99-102.	1.2	4
154	Measurement of embedded $^{74}\text{As}$ decay branching ratio at low temperatures. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 105101.	1.4	4
155	Title is missing!. <i>Acta Physica Polonica B</i> , 2011, 42, 533.	0.3	4
156	The Feasibility of direct measurement of the $^{44}\text{Ti}(\hat{1}^3, p)^{47}\text{V}$ and $^{40}\text{Ca}(\hat{1}^3, p)^{43}\text{Sc}$ reactions in forward kinematics at astrophysically relevant temperatures. <i>European Physical Journal A</i> , 2014, 50, 1.	1.0	4
157	First spectroscopic study of $^{63}\text{V}$ at the $^{63}\text{V}$ island of inversion. <i>Physical Review C</i> , 2021, 103, .	1.1	4
158	On the determination of nitrogen in carbon matrix by deuteron induced gamma-ray emission technique. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2002, 190, 714-717.	0.6	3
159	Towards a high-precision measurement of the $^3\text{He}(\hat{1}^3)^7\text{Be}$ cross section at LUNA. <i>European Physical Journal A</i> , 2006, 27, 177-180.	1.0	3
160	Testing of the RIKEN-ATOMKI CsI(Tl) array in the study of $^{22}, ^{23}\text{O}$ nuclear structure. <i>European Physical Journal A</i> , 2006, 27, 321-324.	1.0	3
161	Nuclear Astrophysics At LUNA: Status And Perspectives. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	3
162	The study of shell closures in light neutron-rich nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014038.	1.4	3

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163	Prototyping a 2m $\times$ 0.5m MRPC-based neutron TOF-wall with steel converter plates. Journal of Instrumentation, 2012, 7, P11030-P11030.	0.5	3
164	$\hat{I}^3$ -ray spectroscopy of $^{19}\text{C}$ via the single-neutron knock-out reaction. Physical Review C, 2015, 91, .	1.1	3
165	High precision half-life measurement of $^{125}\text{Cs}$ and $^{125}\text{Xe}$ with $\hat{I}^3$ -spectroscopy. Nuclear Physics A, 2019, 986, 213-222.	0.6	3
166	Calibration of micro-channel plate detector in a Thomson spectrometer for protons and carbon ions with energies below 1 MeV. Review of Scientific Instruments, 2022, 93, .	0.6	3
167	Optimization of the performance of a CsI(Tl) scintillator + Si PIN photodiode detector for medium-energy light-charged particle hybrid array. Nuclear Physics A, 2003, 719, C316-C321.	0.6	2
168	Ground state capture in $^{14}\text{N}(p, \hat{I}^3)^{15}\text{O}$ studied above the 259 keV resonance at LUNA. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014019.	1.4	2
169	Comparison of the LUNA $^3\text{He}(\hat{I}^\pm, \hat{I}^3)^7\text{Be}$ activation results with earlier measurements and model calculations. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014002.	1.4	2
170	Experimental study of the variation of alpha elastic scattering cross sections along isotopic and isotonic chains at low energies. AIP Conference Proceedings, 2008, . .	0.3	2
171	Investigation of $^{75}\text{As}$ decay branching ratio dependence on the host material. Europhysics Letters, 2008, 83, 42001.	0.7	2
172	Investigating the variation of elastic alpha scattering cross sections in the $A \hat{\%}^{\wedge} 100$ region. Journal of Physics: Conference Series, 2012, 337, 012029.	0.3	2
173	Development of MMRPC prototype for the NeuLAND detector of the R3B collaboration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S149-S152.	0.7	2
174	Efficiency determination of resistive plate chambers for fast quasi-monoenergetic neutrons. European Physical Journal A, 2014, 50, 1.	1.0	2
175	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.	0.7	2
176	Response of multi-strip multi-gap resistive plate chamber. Journal of Instrumentation, 2015, 10, P07005-P07005.	0.5	2
177	Probing the $Z \hat{\%}^{\wedge} 6$ spin-orbit shell gap with $(p, 2p)$ quasi-free scattering reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135748.	1.5	2
178	Isotopic cross sections of fragmentation residues produced by light projectiles on carbon near $\hat{I}^3$ MeV. Physical Review C, 2022, 105, .	1.1	2
179	Analysis of prehistoric pottery finds from the Balaton region, Hungary. Nuclear Instruments & Methods in Physics Research B, 2001, 181, 670-674.	0.6	1
180	$\text{Se}(p, \hat{I}^3)$ cross section measurements for p-process studies. Nuclear Physics A, 2003, 718, 599-601.	0.6	1

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181	Inelastic proton scattering on $^{16}\text{C}$ . Journal of Physics: Conference Series, 2006, 49, 13-14.	0.3	1
182	Study of exotic nuclei around the "island of inversion". AIP Conference Proceedings, 2007, , .	0.3	1
183	Proton-proton elastic scattering via the Trojan horse method. Few-Body Systems, 2008, 43, 219-225.	0.7	1
184	Investigation of proton-induced reactions on Germanium isotopes. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014032.	1.4	1
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