Dmitry Fyodorov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6497924/publications.pdf

Version: 2024-02-01

138	3,338	117625	175258
papers	citations	34 h-index	52 g-index

140	140	140	1438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Type of Asymmetric Fission in Proton-Rich Nuclei. Physical Review Letters, 2010, 105, 252502.	7.8	197
2	The Miniball spectrometer. European Physical Journal A, 2013, 49, 1.	2.5	126
3	Nuclear Charge Radii of Neutron-Deficient Lead Isotopes BeyondN=104Midshell Investigated by In-Source Laser Spectroscopy. Physical Review Letters, 2007, 98, 112502.	7.8	116
4	Characterization of the shape-staggering effect in mercury nuclei. Nature Physics, 2018, 14, 1163-1167.	16.7	106
5	Unambiguous Identification of ThreeÎ²-Decaying Isomers inCu70. Physical Review Letters, 2004, 92, 112501.	7.8	99
6	Early Onset of Ground State Deformation in Neutron Deficient Polonium Isotopes. Physical Review Letters, 2011, 106, 052503.	7.8	94
7	Measurement of the first ionization potential of astatine by laser ionization spectroscopy. Nature Communications, 2013, 4, 1835.	12.8	89
8	Upgrade of the resonance ionization laser ion source at ISOLDE on-line isotope separation facility: New lasers and new ion beams. Review of Scientific Instruments, 2012, 83, 02A903.	1.3	83
9	Interplay between Single-Particle and Collective Effects in the Odd-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>Cu Isotopes beyond<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>40</mml:mn></mml:math>. Physical Review Letters, 2008, 100, 112502.	7.8	80
10	Measurement and microscopic description of oddâ€“even staggering of charge radii of exotic copper isotopes. Nature Physics, 2020, 16, 620-624.	16.7	76
11	Coulomb Excitation ofCu68,70: First Use of Postaccelerated Isomeric Beams. Physical Review Letters, 2007, 98, 122701.	7.8	70
12	Coulomb Excitation of Neutron-Rich Zn Isotopes: First Observation of the21+State inZn80. Physical Review Letters, 2007, 99, 142501.	7.8	66
13	Î²-decay studies of135â€“137Snusing selective resonance laser ionization techniques. Physical Review C, 2002, 65, .	2.9	65
14	Atomic spectroscopy studies of short-lived isotopes and nuclear isomer separation with the ISOLDE RILIS. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 353-358.	1.4	65
15	Charge radii of odd-A 191â€“211Po isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 362-366.	4.1	64
16	Charge radii and magnetic moments of odd- A 183-189Pb isotopes. European Physical Journal A, 2009, 41, 315-321.	2.5	60
17	Low-energy Coulomb excitation of neutron-rich zinc isotopes. Physical Review C, 2009, 79, .	2.9	58
18	On-line yields obtained with the ISOLDE RILIS. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 347-352.	1.4	56

#	Article	IF	Citations
19	Laser spectroscopy of neutron-rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Po</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>193</mml:mn><mml:mo>â€“</mml:mo><mml:mn>203</mml:mn><mml:mo>,</mml:mo><mml:mn>211</mml:mn></mml:mrow> Physical Review C, 2014, 89, .	2.9	51
20	New developments of the in-source spectroscopy method at RILIS/ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 550-556.	1.4	47
21	Shape coexistence in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>180</mml:mn></mml:msup></mml:math>Hg studied through the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>180</mml:mn></mml:msup></mml:math>Tl. Physical Review C, 2011, 84, .	2.9	46
22	Shape staggering of midshell mercury isotopes from in-source laser spectroscopy compared with density-functional-theory and Monte Carlo shell-model calculations. Physical Review C, 2019, 99, .	2.9	43
23	Characterization of the low-lying <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>0</mml:mn><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>	2.9	42
24	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-delayed fission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>180</mml:mn></mml:msup></mml:math>Tl. Physical Review C, 2013, 88, .	2.9	41
25	Hyperfine structure and nuclear moments of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>73</mml:mn><mml:mtext>â€“</mml:mtext><mml:mn>78</mml:mn></mml:mrow></mml:mmultiscripts></m as a test of the robustness of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>28</mml:mn></mml:m	2.9	41
26	Evolution of the nuclear structure approachingNi78:Î²decay ofCu74â^'78. Physical Review C, 2005, 71, .	2.9	39
27	Hyperfine structure anomaly and magnetic moments of neutron deficient Tl isomers with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>I</mml:mi><mml:mo>=</mml:mo><mml:mn>9</mml:mn><mml:mo>/</mml:mo><mml:mn>2 Physical Review C, 2012, 86, .	2.9	39
28	Changes in the mean-square charge radii and magnetic moments of neutron-deficient Tl isotopes. Physical Review C, 2013, 88, .	2.9	39
29	Evolution of fission-fragment mass distributions in the neutron-deficient lead region. Physical Review C, 2014, 90, .	2.9	39
30	Laser ion beam production at CERN-ISOLDE: New features â€“ More possibilities. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 91-96.	1.4	38
31	The ISOLDE RILIS pump laser upgrade and the LARIS Laboratory. Hyperfine Interactions, 2010, 196, 129-141.	0.5	37
32	Laser Spectroscopy of Neutron-Rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Hg</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>207</mml:mn><mml:mo>,</mml:mo><mml:mn>208</mml:mn></mml:mrow></mml:mmultiscripts></	7.8	37
33	Isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the <mml:math display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Cu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>58</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi> Physical	2.9	36
34	Coulomb excitation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msubsup><mml:mi /><mml:mrow><mml:mn>28</mml:mn></mml:mrow><mml:mrow><mml:mn>68</mml:mn></mml:mrow></mml:msubsup><mml:msub><mml:mi mathvariant="normal">Ni</mml:mi><mml:mrow><mml:mn>40</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>at	2.9	35
35	Charge radii and electromagnetic moments of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>At</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>195</mml:mn><mml:mo>â€“</mml:mo><mml:mn>211</mml:mn></mml:mrow></mml:mmultiscripts></m Physical Review C, 2018, 97, .	2.9	35
36	Coupling a proton and a neutron to the semidoubly magic nucleusNi68: A study ofCu70via theÎ²decay ofNi70andCu70. Physical Review C, 2004, 69, .	2.9	32

#	Article	IF	Citations
37	Mean square charge radii of the neutron-deficient rare-earth isotopes in the region of the nuclear shellN=82measured by the laser ion source spectroscopy technique. Physical Review C, 2000, 61, .	2.9	31
38	Selective laser ionization of Nâ‰¥82 indium isotopes: The new r-process nuclide 135In. European Physical Journal A, 2002, 13, 281-284.	2.5	29
39	Large Shape Staggering in Neutron-Deficient Bi Isotopes. Physical Review Letters, 2021, 127, 192501.	7.8	27
40	First observation of theÎ²decay of neutron-richBi218by the pulsed-release technique and resonant laser ionization. Physical Review C, 2004, 69, .	2.9	24
41	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-delayed fission and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow	2.9	24
42	Hyperfine anomaly in gold and magnetic moments of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mi>I</mml:mi><mml:mi>Ï€</mml:mi></mml:msup> gold isomers. Physical Review C, 2020, 101, .	2.9	24
43	Changes in nuclear structure along the Mn isotopic chain studied via charge radii. Physical Review C, 2016, 94, .	2.9	23
44	Changes in mean-squared charge radii and magnetic moments of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>179</mml:mn><mml:mo>â€“</mml:mo><mml:mn>184</mml:mn></mml:mrow></mml:mmultiscripts></mm measured by in-source laser spectroscopy. Physical Review C, 2017, 95, .	2.9	23
45	Decay of 135,136Sn isolated by use of a laser ion source and evidence for a more harmonic-oscillator-like nuclear potential. Nuclear Physics A, 2001, 682, 493-497.	1.5	22
46	First application of the Laser Ion Source and Trap (LIST) for on-line experiments at ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 417-421.	1.4	22
47	Blurring the boundaries between ion sources: The application of the RILIS inside a FEBIAD type ion source at ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 39-45.	1.4	22
48	Quadrupole moments of odd-A 53â^'63 Mn: Onset of collectivity towards N = 40. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 387-392.	4.1	21
49	Laser-spectroscopy studies of the nuclear structure of neutron-rich radium. Physical Review C, 2018, 97, .	2.9	21
50	Structure of¹⁹¹Pb from Î±- and Î²-decay spectroscopy. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 125103.	3.6	20
51	Ionization Scheme Development at the ISOLDE RILIS. Hyperfine Interactions, 2006, 162, 15-27.	0.5	19
52	Production of Cs and Fr isotopes from a high-density UC targets with different grain dimensions. European Physical Journal A, 2009, 42, 495.	2.5	19
53	Î²-decay properties ofNi72andCu72. Physical Review C, 2006, 74, .	2.9	18
54	In-Source Laser Spectroscopy with the Laser Ion Source and Trap: First Direct Study of the Ground-State Properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Po</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>217</mml:mn><mml:mo>,</mml:mo><mml:mn>219</mml:mn></mml:mrow></mml:mmultiscripts></mml:m Physical Review X, 2015, 5, .	8.9	18

#	Article	IF	Citations
55	A mass-separator laser ion source. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 85-87.	1.4	17
56	Coulomb excitation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Ga</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>73</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2010, 82, .	2.9	17
57	New laser setup for the selective isotope production and investigation in a laser ion source at the IRIS (Investigation of Radioactive Isotopes on Synchrocyclotron) facility. Review of Scientific Instruments, 2012, 83, 02B306.	1.3	17
58	Laser spectroscopy studies of intruder states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Bi</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>193</mml:mn><mml:mo>,</mml:mo><mml:mn>195</mml:mn><mml:mo>,</mml:mo><mml:mn>197</mml: Physical Review C, 2016, 94, .	2.9	17
59	display="inline"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>-decay study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Cu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>77</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review	2.9	16
60	Spectroscopy of the long-lived excited state in the neutron-deficient nuclides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Po</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>195</mml:mn><mml:mo>,</mml:mo><mml:mn>197</mml:mn><mml:mo>,</mml:mo><mml:mn>199</mml: by precision mass measurements. Physical Review C, 2017, 96, .	2.9	15
61	Shell effect in the mean square charge radii and magnetic moments of bismuth isotopes near N=126. Physical Review C, 2018, 97, .	2.9	15
62	Investigation of the release properties of MeCx targets at IRIS. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 150-153.	1.4	14
63	High temperature ion sources with ion confinement. Review of Scientific Instruments, 2002, 73, 738-740.	1.3	14
64	On-line production of Rb and Cs isotopes from uranium carbide targets. European Physical Journal A, 2005, 23, 257-264.	2.5	14
65	Nuclear structure of 189Tl states studied via $ eta^{{+}}_{}$ /EC decay and laser spectroscopy of 189m+gPb. European Physical Journal A, 2009, 39, 33-48.	2.5	14
66	Shapes of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>192</mml:mn><mml:mo>,</mml:mo><mml:mn>190</mml:mn></mml:mrow></mml:mmultiscripts></mml:m states from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>-decay studies usi	2.9	14
67	Proton- and neutron-induced fission on uranium carbide target. European Physical Journal A, 2004, 19, 341-345.	2.5	13
68	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-decay spectroscopy of the chain<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>179</mml:mn></mml:msup></mml:math>Tl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mi>g</mml:mi></mml:msup></mml:math>	2.9	13
69	display="inline"><mml:mi>Î²</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>61</mml:mn></mml:msup></mml:math>Mn to levels in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>61</mml:mn></mml:msup></mml:math>Fe. Physical Review C, 2013, 88, .	2.9	13
70	Shape coexistence studied in ${}^{mathrm{182,184}}$Hg via theÎ²decay of ${}^{mathrm{182,184}}$Tl. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 074001.	3.6	13
71	Onset of deformation in neutron-deficient Bi isotopes studied by laser spectroscopy. Physical Review C, 2017, 95, .	2.9	13
72	Inverse odd-even staggering in nuclear charge radii and possible octupole collectivity in At217,218,219 revealed by in-source laser spectroscopy. Physical Review C, 2019, 99, .	2.9	13

#	Article	IF	Citations
73	Isotope shift and hyperfine structure measurements for 155Yb by laser ion source technique. European Physical Journal A, 1998, 1, 3-5.	2.5	12
74	Production of neutron rich nuclides from uranium carbide targets of different density. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 267-271.	1.4	12
75	Penning-trap mass spectrometry and mean-field study of nuclear shape coexistence in the neutron-deficient lead region. Physical Review C, 2017, 95, .	2.9	12
76	Production of neutron-rich isotopes by one- and two-step processes in ISOL targets. Nuclear Instruments & Methods in Physics Research B, 2002, 194, 193-206.	1.4	11
77	Study of the neutron deficient 182â€“190Pb isotopes by simultaneous atomic- and nuclear-spectroscopy. Hyperfine Interactions, 2006, 171, 225-231.	0.5	11
78	Studies of uranium carbide targets of a high density. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4247-4251.	1.4	11
79	Coulomb excitation of the 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mo>â^’</mml:mo></mml:msup></mml:math>isomer in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>70</mml:mn></mml:msup></mml:math>Cu. Physical Review C, 2011, 84, .	2.9	11
80	RILIS-ionized mercury and tellurium beams at ISOLDE CERN. Hyperfine Interactions, 2017, 238, 1.	0.5	11
81	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>Î²</mml:mi><mml:mo>â^’</mml:mo></mml:msup></mml:math> decay study of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Mn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>66</mml:mn></mml:mmultiscripts><mml:mtext>â^’</mml:mtext><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mpres	2.9	11
82	Absolute branching intensities in the decay ofRb92toSr92. Physical Review C, 2006, 74, .	2.9	10
83	RILIS applications at CERN/ISOLDE. Hyperfine Interactions, 2014, 227, 101-111.	0.5	10
84	Î±-decay study of ${}^{mathrm{182,184}}$Tl. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 025102.	3.6	10
85	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>-delayed fission and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi	2.9	10
86	Laser-assisted decay spectroscopy for the ground states of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>180</mml:mn><mml:mo>,</mml:mo><mml:mn>182</mml:mn></mml:mrow></mml:mmultiscripts></mml:m Physical Review C, 2020, 102, .	2.9	10
87	Detailed spectroscopy of doubly magic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>132</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	10
88	Charge radii, moments, and masses of mercury isotopes across the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>126</mml: shell closure. Physical Review C, 2021, 104, .	2.9	10
89	Laser spectroscopic studies ofGd145,Gd145m, andGd143m. Physical Review C, 2005, 72, .	2.9	9
90	Laser resonance ionization scheme development for tellurium and germanium at the dual Ti:Saâ€“Dye ISOLDE RILIS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 510-514.	1.6	9

#	Article	IF	Citations
91	Î² decay of In133 : Î³ emission from neutron-unbound states in Sn133. Physical Review C, 2019, 99, .	2.9	9
92	Application of the laser ion source for isotope shift and hyperfine structure investigation. , 2000, 127, 425-430.		8
93	Changes in the mean square charge radii of neutron-deficient europium isotopes measured by the laser ion source resonance ionization spectroscopy. European Physical Journal A, 2004, 22, 69-74.	2.5	8
94	Decay of 185Tl, 185m+gHg, 189m+gPb and energy location of the 13/2+ isomeric states in 185Hg, 189Pb, 193Po and 197Rn. European Physical Journal A, 2013, 49, 1.	2.5	8
95	Î²â^'decay of the neutron-rich isotope215Pb. Physical Review C, 2013, 87, .	2.9	8
96	Laser-assisted decay spectroscopy and mass spectrometry of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mn>178</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	8
97	Development of uranium carbide targets for the on-line production of neutron-rich isotopes. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 888-894.	1.4	7
98	Combined target-ion source unit for production of rare nuclides. Review of Scientific Instruments, 2006, 77, 03A705.	1.3	7
99	Gamow-Teller decay population of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>64</mml:mn></mml:msup></mml:math>Ni levels in the decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>1</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow	2.9	7
100	Internal decay of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mo>â^'</mml:mo> state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>184</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2015, 92, .	2.9	7
101	First results on Ge resonant laser photoionization in hollow cathode lamp. Review of Scientific Instruments, 2016, 87, 02B708.	1.3	7
102	The identification of autoionizing states of atomic chromium for the resonance ionization laser ion source of the ISOLDE radioactive ion beam facility. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 129, 58-63.	2.9	7
103	Î² -delayed fission of isomers in Bi188. Physical Review C, 2020, 102, .	2.9	7
104	Laser-assisted nuclear decay spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>176</mml:mn><mml:mo>,</mml:mo><mml:mn>177</mml:mn><mml:mo>,</mml:mo><mml:mn>179</mml: Physical Review C, 2021, 104, .	2.9	7
105	Tests of high-density UC targets developed at Gatchina for neutron-rich radioactive-beam facilities. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4326-4329.	1.4	6
106	Secondary neutrons as the main source of neutron-rich fission products in the bombardment of a thick U target by 1 GeV protons. European Physical Journal A, 2011, 47, 1.	2.5	6
107	The radioisotope complex project â€œRIC-80â€•at the Petersburg Nuclear Physics Institute. Review of Scientific Instruments, 2015, 86, 123510.	1.3	6
108	Measurements of charge radii and electromagnetic moments of nuclei far from stability by photoionization spectroscopy in a Laser Ion Source. AIP Conference Proceedings, 2002, , .	0.4	5

#	Article	IF	Citations
109	Measurement of delayed neutron yields and time spectra from 1 GeV protons interacting with thick natPb targets. European Physical Journal A, 2007, 32, 1-4.	2.5	5
110	Fine structure in the Î± decay of At218. Physical Review C, 2019, 99, .	2.9	5
111	High temperature electron beam ion source for the production of single charge ions of most elements of the Periodic Table. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 382-386.	1.4	4
112	ToF diagnostic of Tin resonant laser photoionization in SPES laser offline laboratory. Journal of Instrumentation, 2016, 11, C09001-C09001.	1.2	4
113	Detailed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -decay study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>180</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 96, .	2.9	4
114	Reduction of the thermoionic current in the laser ion source. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 92-94.	1.4	3
115	Selective high temperature refractory target â€“ laser ion source unit of IRIS facility. , 2000, 127, 421-424.		3
116	Integrated target-ion source unit for on-line production of radioactive short-lived isotopes. European Physical Journal A, 2005, 26, 147-150.	2.5	3
117	Recent developments and on-line tests of uranium carbide targets for production of nuclides far from stability. European Physical Journal: Special Topics, 2007, 150, 297-300.	2.6	3
118	Early onset of deformation in the neutron-deficient polonium isotopes. Journal of Physics: Conference Series, 2012, 381, 012072.	0.4	3
119	High temperature electron beam ion source for on-line production of isotopes of refractory elements. Review of Scientific Instruments, 2004, 75, 1634-1636.	1.3	2
120	Beta-decay measurements of neutron-rich thallium, lead, and bismuth by means of resonant laser ionisation. Nuclear Physics A, 2004, 734, 449-452.	1.5	2
121	Shape evolution for neutron-deficient bismuth isotopes studied by resonance laser ionization spectroscopy. Physics of Particles and Nuclei, 2017, 48, 914-916.	0.7	2
122	The role of remodeling complexes CHD1 and ISWI in spontaneous and UV-induced mutagenesis control in yeast Saccharomyces cerevisiae. Russian Journal of Genetics, 2017, 53, 195-201.	0.6	2
123	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -decay branching ratio of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pt</mml:mi><mml:mprescripts /><mml:none /><mml:mn>180</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 101, .	2.9	2
124	Enhancement of ionization efficiency of surface, electron bombardment and laser ion sources by axial magnetic field application. Review of Scientific Instruments, 2004, 75, 1585-1587.	1.3	1
125	Nuclear structure studies of neutron-rich Cu and Zn isotopes produced by means of proton-induced fission of 238U. AIP Conference Proceedings, 2005, , .	0.4	1
126	Electron beamâ€“plasma ionizing target for the production of neutron-rich nuclides. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4294-4297.	1.4	1

#	Article	IF	Citations
127	New laser setup at the IRIS facility. Magnetic moments and mean squared charge radii of neutron deficient Tl isotopes. Hyperfine Interactions, 2013, 216, 27-31.	0.5	1
128	Pph3 Phosphatase Participates in the Regulation of the Error-Free Branch of Postreplication DNA Repair in Yeast Saccharomyces cerevisiae. Russian Journal of Genetics, 2021, 57, 152-160.	0.6	1
129	High temperature uranium carbide targets. , 2003, , 495-495.		1
130	New Î² -decaying state in Bi214. Physical Review C, 2021, 104, .	2.9	1
131	Decay modes of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>9</mml:mn><mml:mo>/</mml:mo><mml:msup><mml:m isomeric state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>183</mml:mn></mml:mmultiscripts></mml:math> . Physical Review C, 2022, 105, .	2.9	1
132	Application of the laser ion source for isotope shift and hyperfine structure investigations. , 1998, , .		0
133	Target-ion source unit ionization efficiency measurement by a method of stable ion beam implantation. European Physical Journal: Special Topics, 2007, 150, 301-302.	2.6	0
134	Changes in the mean square charge radii and electromagnetic moments of neutron-deficient Bi isotopes. AIP Conference Proceedings, 2015, , .	0.4	0
135	Target development for 67Ð¡u, 82Sr radionuclide production at the RIC-80 facility. Physics of Particles and Nuclei, 2018, 49, 75-77.	0.7	0
136	A New Method for Production of the Sr-82 Generator Radionuclide and Other Medical Radionuclides. Technical Physics, 2018, 63, 1254-1261.	0.7	0
137	Measurements of delayed neutrons yields and time spectra from 1 GeV protons interacting with thick natPb, 209Bi and natFe targets. , 2007, , .		0
138	New laser setup at the IRIS facility. Magnetic moments and mean squared charge radii of neutron deficient Tl isotopes. , 2012, , 27-31.		0