Sami Rinta-Antila

List of Publications by Year
in descending order

205	4,187	109321	149698
papers	citations	35 h-index	56 g-index

214	214	214	1758
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Benchmark of a multi-physics Monte Carlo simulation of an ion guide for neutron-induced fission products. European Physical Journal A, 2022, 58, 1.	2.5	3
2	High-precision Q-value measurement and nuclear matrix element calculations for the double-$$eta $$ decay of ^{98}Mo. European Physical Journal A, 2022, 58, 1.	2.5	2
3	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -spectroscopy study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>119</mml:mn></mml:mmultiscripts></mml:math> and <mml:math	2.9	3
4	First trap-assisted decay spectroscopy of the ^{81}Ge ground state. European Physical Journal A, 2022, 58, 1.	2.5	1
5	The DESPEC setup for GSI and FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1033, 166662.	1.6	14
6	Direct determination of the atomic mass difference of the pairs <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>As</mml:mi><mml:mprescripts /><mml:none /><mml:mn>76</mml:mn></mml:mmultiscripts><mml:mtext>â^’</mml:mtext><mml:mmultiscripts><mml:mi>Se</mml:mi><mml:mpres /><mml:none /><mml:mn>76</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Tb</mml:mi><mml:m.	2.9	6
7	spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> decays of	2.9	5
8	Direct measurement of the mass difference of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>As</mml:mi><mml:mprescripts /><mml:none /><mml:mn>72</mml:mn></mml:mmultiscripts><mml:mtext>â^’</mml:mtext><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mpres /><mml:none /><mml:mn>72</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> rules out	2.9	12
9	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>As</mml:mi> Proton-neutron pairing correlations in the self-conjugate nucleus 42Sc. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136439.	4.1	10
10	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Dy</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>159</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Electron-Capture: A New Candidate for Neutrino Mass Determination. Physical Review Letters, 2021, 127, 272301.	7.8	15
11	A new off-line ion source facility at IGISOL. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 382-383.	1.4	13
12	Upgrades to the collinear laser spectroscopy experiment at the IGISOL. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 437-440.	1.4	19
13	The MARA-LEB ion transport system. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 286-289.	1.4	4
14	Three beta-decaying states in 128In and 130In resolved for the first time using Penning-trap techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135642.	4.1	18
15	Radioactive ion beam manipulation at the IGISOL-4 facility. EPJ Web of Conferences, 2020, 239, 17002.	0.3	2
16	Fission studies at IGISOL/JYFLTRAP: Simulations of the ion guide for neutron-induced fission and comparison with experimental data. EPJ Web of Conferences, 2020, 239, 17019.	0.3	0
17	Determination of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -decay ground	2.9	6
18	High-Precision <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math> -Value Measurement Confirms the Potential of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Cs</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>135</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> f	7.8	14

#	Article	IF	Citations
19	Exploring the mass surface near the rare-earth abundance peak via precision mass measurements at JYFLTRAP. Physical Review C, 2020, 101, .	2.9	22
20	Disentangling decaying isomers and searching for signatures of collective excitations in Î² decay. Journal of Physics: Conference Series, 2020, 1643, 012134.	0.4	1
21	The science case of the FRS Ion Catcher for FAIR Phase-0. Hyperfine Interactions, 2019, 240, 1.	0.5	6
22	Total absorption <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ³</mml:mi></mml:math> -ray spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ²</mml:mi></mml:math> -delayed neutron emitters <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">I</mml:mi><mml:mprescripts /><mml:none /><mml:mn>137</mml:mn></mml:mmu.	2.9	8
23	Summation Calculations for Reactor Antineutrino Spectra, Decay Heat and Delayed Neutron Fractions Involving New TAGS Data and Evaluated Databases. EPJ Web of Conferences, 2019, 211, 01001.	0.3	1
24	First Î² -decay scheme of Nb107 : New insight into the low-energy levels of Mo107. Physical Review C, 2019, 100, .	2.9	4
25	Isomeric fission yield ratios for odd-mass Cd and In isotopes using the phase-imaging ion-cyclotron-resonance technique. Physical Review C, 2019, 99, .	2.9	17
26	Confirming band assignments in 167ytterbium with gamma-gamma-electron triple-coincidence spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	18
27	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ²</mml:mi></mml:math> decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>127</mml:mn></mml:mmultiscripts></mml:math> and excited states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi	2.9	8
28	Large Impact of the Decay of Niobium Isomers on the Reactor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:miÎ½</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math> Summation Calculations. Physical Review Letters, 2019, 122, 042502.	7.8	29
29	Total absorption Î³ -ray spectroscopy of niobium isomers. Physical Review C, 2019, 100, .	2.9	8
30	Excited states in Br87 populated in Î² decay of Se87. Physical Review C, 2019, 100, .	2.9	5
31	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mn>2</mml:mn><mml:mo>+</mml:mo></ ground-state transition in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ²</mml:mi></mml:math> decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi	2.9	19
32	Discovery of an Exceptionally Strong <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:miI</mml:mi></mml:math> -Decay Transition of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">F</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>20</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> an	7.8	36
33	High-precision mass measurements and production of neutron-deficient isotopes using heavy-ion beams at IGISOL. Physical Review C, 2019, 100, .	2.9	9
34	High-precision measurement of the mass difference between 102Pd and 102Ru. International Journal of Mass Spectrometry, 2019, 435, 204-208.	1.5	15
35	Isotope shifts from collinear laser spectroscopy of doubly charged yttrium isotopes. Physical Review A, 2018, 97, .	2.5	22
36	Production of Sn and Sb isotopes in high-energy neutron-induced fission of natU. European Physical Journal A, 2018, 54, 1.	2.5	5

#	Article	IF	Citations
37	Rotational excitation of the Hoyle state in 12C. Journal of Physics: Conference Series, 2018, 940, 012043.	0.4	1
38	Measurement of fission yields and isomeric yield ratios at IGISOL. EPJ Web of Conferences, 2018, 169, 00017.	0.3	0
39	A GEM-TPC in twin configuration for the Super-FRS tracking of heavy ions at FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 884, 18-24.	1.6	8
40	Status and development of the MARA low-energy branch. AIP Conference Proceedings, 2018, , .	0.4	1
41	Characterization and performance of the DTAS detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 910, 79-89.	1.6	17
42	Phase-Imaging Ion-Cyclotron-Resonance technique at the JYFLTRAP double Penning trap mass spectrometer. European Physical Journal A, 2018, 54, 1.	2.5	52
43	First isomeric yield ratio measurements by direct ion counting and implications for the angular momentum of the primary fission fragments. Physical Review C, 2018, 98, .	2.9	17
44	First determination of Î² -delayed multiple neutron emission beyond A=100 through direct neutron measurement: The P2n value of Sb136. Physical Review C, 2018, 98, .	2.9	9
45	A facility for production and laser cooling of cesium isotopes and isomers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 367-375.	1.6	2
46	Precision Mass Measurements on Neutron-Rich Rare-Earth Isotopes at JYFLTRAP: Reduced Neutron Pairing and Implications for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>r</mml:mi></mml:math> -Process Calculations. Physical Review Letters, 2018, 120, 262701.	7.8	46
47	Excited levels in the multishaped Pd117 nucleus studied via Î² decay of Rh117. Physical Review C, 2018, 98, .	2.9	6
48	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Q</mml:mi><mml:mtext>EC</mml:mtext></mml:msub><value of the superallowed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> emitter	2.9	5
49	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sc</mml:mi><mml:mprescripts Backbending in the pear-shaped Th90223 nucleus: Evidence of a high-spin octupole to quadrupole shape transition in the actinides. Physical Review C, 2017, 95, .	2.9	8
50	Precise measurements of half-lives and branching ratios for the $ eta$ Î² mirror transitions in the decay of 23Mg and 27Si. European Physical Journal A, 2017, 53, 1.	2.5	3
51	High-precision mass measurements for the isobaric multiplet mass equation atA= 52. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 065103.	3.6	17
52	Characterization of a cylindrical plastic Î²-detector with Monte Carlo simulations of optical photons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 854, 134-138.	1.6	2
53	Penning-trap-assisted study of excitations in Br88 populated in Î² decay of Se88. Physical Review C, 2017, 95, .	2.9	6
54	A neutron source for IGISOL-JYFLTRAP: Design and characterisation. European Physical Journal A, 2017, 53, 1.	2.5	10

#	Article	IF	Citations
55	Experimental study of Tc100 Î² decay with total absorption Î³ -ray spectroscopy. Physical Review C, 2017, 96, .	2.9	15
56	Laser spectroscopy with an electrostatic ConeTrap. Hyperfine Interactions, 2017, 238, 1.	0.5	1
57	Simulations of the stopping efficiencies of fission ion guides. EPJ Web of Conferences, 2017, 146, 03025.	0.3	0
58	Total absorption spectroscopy of fission fragments relevant for reactor antineutrino spectra. EPJ Web of Conferences, 2017, 146, 10002.	0.3	2
59	Strong Î³-ray emission from neutron unbound states populated in Î²-decay: Impact on (n,Î³) cross-section estimates. EPJ Web of Conferences, 2017, 146, 01002.	0.3	2
60	TAGS measurements of 100Nb ground and isomeric states and 140Cs for neutrino physics with the new DTAS detector. EPJ Web of Conferences, 2017, 146, 10010.	0.3	2
61	New accurate measurements of neutron emission probabilities for relevant fission products. EPJ Web of Conferences, 2017, 146, 01004.	0.3	3
62	Measurement of the heaviestÎ²-delayed 2-neutron emitter:136Sb. EPJ Web of Conferences, 2017, 146, 01005.	0.3	0
63	Total absorption studies of high priority decays for reactor applications: 86Br and 91Rb. EPJ Web of Conferences, 2017, 146, 10001.	0.3	1
64	High-precision mass measurements for the rp-process at JYFLTRAP. EPJ Web of Conferences, 2017, 165, 01008.	0.3	0
65	Î²-Decay Studies of r-Process Nuclei Using the Advanced Implantation Detector Array (AIDA). , 2017, , .		5
66	First Evidence of Multiple $eta $-delayed Neutron Emission for Isotopes with $A>100$. Acta Physica Polonica B, 2017, 48, 517.	0.8	1
67	Study of the $eta $ Decay of Fission Products with the DTAS Detector. Acta Physica Polonica B, 2017, 48, 529.	0.8	5
68	r Process (n, (gamma)) Rate Constraints from the (gamma) Emission of Neutron Unbound States in (eta)-Decay. , 2017, , .		1
69	Mass Measurements for the rp Process. , 2017, , .		1
70	High-Precision Proton-Capture Q Values for²⁵Al(p, Î³)²⁶Si and³⁰P(p,) Tj ETQq0 0 0 rgBT /Overlo		0
71	Fission yield measurements at IGISOL. EPJ Web of Conferences, 2016, 122, 01008.	0.3	4
72	Twin GEM-TPC prototype (HGB4) beam test at GSI and jyvÃskylÃ â€" a development for the super-FRS at FAIR. , 2016, , .		1

#	Article	IF	Citations
73	First experiment with the NUSTAR/FAIR Decay Total Absorption <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-Ray Spectrometer (DTAS) at the IGISOL Facility. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 334-337.	1.4	21
74	Precision <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" overflow="scroll"><mml:mmultiscripts><mml:mi mathvariant="normal">Ga</mml:mi><mml:mprescripts /><mml:none /><mml:mn>71</mml:mn></mml:mmultiscripts></mml:math>â€“<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mmultiscripts><mml:mi mathvariant="normal">Ge</mml:mi><mml:mprescrip	1.5	11
75	Mass of astrophysically relevant<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>31</mml:mn></mml:mmultiscripts></mml:math>and the breakdown of the Single and Double Beta-Decay <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>Values among the Triplet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Zr</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>96</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>,<mml:math	2.9	15
76	High-precision mass measurements of 25Al and 30P at JYFLTRAP. European Physical Journal A, 2016, 52, 1.	2.5	19
77	Independent isotopic yields in 25 MeV and 50 MeV proton-induced fission of natU. European Physical Journal A, 2016, 52, 1.	2.5	15
78	Developments for neutron-induced fission at IGISOL-4. Nuclear Instruments & Physics Research B, 2016, 376, 46-51.	1.4	12
79	Study of Intermediate-spin States of ^{98}Y. Acta Physica Polonica B, 2016, 47, 911.	0.8	2
80	Identification of a dipole band above theÏ€=31/2â^’isomeric state inPb189. Physical Review C, 2015, 92, .	2.9	4
81	Detailed spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Bi</mml:mi><mml:mprescripts /><mml:none /><mml:mn>193</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2015, 92, .	2.9	15
82	Measuring independent yields of fission products using a penning trap. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 869-871.	0.6	0
83	Oblately deformed isomeric proton-emitting state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Lu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>151</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2015, 91, .	2.9	14
84	Spectroscopy of Very Heavy Elements at and Beyond the Limits. , 2015, , .		0
85	Investigation into the Effects of Deformation on Proton Emission Rates via Lifetime Measurements. , 2015, , .		0
86	Super-Allowed Î² Decay of²³Mg Studied with a High-Precision Germanium Detector. , 2015, , .		0
87	Isomeric Yield Ratios of Fission Products Measured with the JYFLTRAP. Acta Physica Polonica B, 2014, 45, 211.	0.8	1
88	Hindered Gamow-Teller Decay to the Odd-Odd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mi>Z</mml:mi></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ga</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>62</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></	7.8	16
89	Gas purification studies at IGISOL-4. Hyperfine Interactions, 2014, 227, 169-180.	0.5	6
90			

#	Article	IF	Citations
91	Conversion electron spectroscopy at IGISOL. Hyperfine Interactions, 2014, 223, 73-80.	0.5	2
92	MONSTER: a TOF Spectrometer for Î²-delayed Neutron Spectroscopy. Nuclear Data Sheets, 2014, 120, 78-80.	2.2	10
93	Laser spectroscopy at IGISOL IV. Hyperfine Interactions, 2014, 227, 139-145.	0.5	4
94	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>decay of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ï€</mml:mi><mml:msub><mml:mi>h</mml:mi><mml:mro in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ir</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>164</mml:mn></mml:. Physical Review C, 2014, 89, .	2.9	14
95	overflow="scroll"><mml:msubsup><mml:mrow><mml:mn>0</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mro band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mmultiscripts><mml:mrow><mml:mtext>Sm</mml:mtext></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>154</mml:mn></mml:. Physics Letters, Section B: Nuclear, Elementa	4.1	13
96	Spectroscopy of193Bi. EPJ Web of Conferences, 2014, 66, 02047.	0.3	2
97	Target thickness dependence of the Be(p,xn) neutron energy spectrum. EPJ Web of Conferences, 2014, 66, 11032.	0.3	8
98	The FRS Ion Catcher â€“ A facility for high-precision experiments with stopped projectile and fission fragments. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 457-462.	1.4	97
99	Recommissioning of JYFLTRAP at the new IGISOL-4 facility. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 506-509.	1.4	21
100	Towards commissioning the new IGISOL-4 facility. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 208-213.	1.4	102
101	Isomeric states close to doubly magic<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>Sn studied with the double Penning trap JYFLTRAP. Physical Review C, 2013, 87, .	2.9	45
102	First experimental results of a cryogenic stopping cell with short-lived, heavy uranium fragments produced at 1000 MeV/u. Europhysics Letters, 2013, 104, 42001.	2.0	36
103	Total absorption study of 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:mrow><mml:mn>102</mml:mn><mml:mo>,</mml:mo><mml:mn>104</mml:mn><mml:mo>,</mml:mo><mml:mn>105</mml:mn> Physical Review C, 2013, 87, .	2.9	36
104	Prompt gamma ray-spectroscopy ofN= 50 fission fragments. EPJ Web of Conferences, 2013, 62, 01005.	0.3	6
105	PromptÎ³-ray spectroscopy of the neutron-rich¹²⁴Cd. EPJ Web of Conferences, 2013, 62, 01004.	0.3	4
106	Trap-assisted separation of nuclear states for gamma-ray spectroscopy: the example of¹⁰⁰Nb. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 015101.	3.6	9
107	Precision Mass Measurements beyond<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>132</mml:mn></mml:mmultiscripts></mml:math>: Anomalous Behavior of Odd-Even Influence of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>n</mml:mi><mml:mi>p</mml:mi></mml:mrow></mml:math>interaction	7.8	74
108	on 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>94</mml:mn></mml:msup></mml:math>Pd. Physical Review C, 2012, 86, .	2.9	3

#	Article	IF	Citations
109	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mo mathvariant="bold">=</mml:mo><mml:mn>104</mml:mn></mml:math>Nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Rf</mml:mi><mml:mprescripts /><mml:none	7.8	59
110	First observation of excited states of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>173</mml:mn></mml:msup></mml:math>Hg. Physical Review C, 2012, 85, .	2.9	5
111	In-beam spectroscopy with intense ion beams: Evidence for a rotational structure in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow	2.9	17
112	Characterizing the atomic mass surface beyond the proton drip line via<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-decay measurements of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Ï€</mml:mi><mml:msub><mml:mi mathvariant="bold">s</mml:mi><mml:mrow><mml:mn mathvariant="bold">1</mml:mn><mml:mo>/</mm	2.9	9
113	Spin-gap isomer in96Cd. Journal of Physics: Conference Series, 2012, 381, 012074.	0.4	0
114	MONSTER: a time of flight spectrometer for Î²-delayed neutron emission measurements. Journal of Instrumentation, 2012, 7, C05012-C05012.	1.2	10
115	Identification of isomeric states in theN=73neutron-deficient nuclei132Pr and130La. Physical Review C, 2012, 86, .	2.9	5
116	JYFLTRAP: a Penning trap for precision mass spectroscopy and isobaric purification. European Physical Journal A, 2012, 48, 1.	2.5	118
117	Fission yield studies at the IGISOL facility. European Physical Journal A, 2012, 48, 1.	2.5	20
118	JYFLTRAP: a Penning trap for precision mass spectroscopy and isobaric purification. , 2012, , 61-81.		1
119	Fission yield studies at the IGISOL facility. , 2012, , 101-111.		0
120	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>16</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>Spin-Gap Isomer in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>96</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2011, 107, 172502.	7.8	51
121	display="inline"><mml:msup><mml:mrow /><mml:mn>96</mml:mn></mml:msup></mml:math>Ag: Excitations across the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>38</mml:mn></mml:mrow></mml:math>and<	2.9	23
122	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>50</mml:mn></mml:mrow></mml:math>, Isomer andÎ²-decay spectroscopy of Tz=1 isotopes below the N=Z=50 shell gap. Journal of Physics: Conference Series, 2011, 312, 092019.	0.4	0
123	Exotic nuclear studies around and below Aâ€‰=â€‰100. , 2011, , .		0
124	Combined in-beam electron and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-ray spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Hg</mml:mi><mml:mprescripts /><mml:none	2.9	29
125	xmlns:mml="http://www.w3.org/1998/Math/MathML"</mml:mo><mml:mn>186</mml:mn></mml:mrow></mml:mmultiscripts></mml:m display="inline"><mml:msup><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>108</mml:mn></mml:msup></mml:math>Te. Physical Review C, 2011, 84, .	2.9	29
126	TAS measurements for reactor physics and nuclear structure. , 2011, , .		0

#	Article	IF	Citations
127	Investigation of [sup 246]Fm : in-beam spectroscopy at the limits. , 2011, , .		0
128	Improvements on Decay Heat Summation Calculations by Means of Total Absorption Gamma-ray Spectroscopy Measurements. Journal of the Korean Physical Society, 2011, 59, 1479-1482.	0.7	2
129	High-energy excited states in⁹⁸Cd. Journal of Physics: Conference Series, 2010, 205, 012035.	0.4	15
130	Determining isotopic distributions of fission products with a Penning trap. European Physical Journal A, 2010, 44, 147-168.	2.5	30
131	The new isotope¹⁷⁹Pb and Î±-decay properties of¹⁷⁹Tl^m. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 035102.	3.6	25
132	Reactor Decay Heat in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>239</mml:mn></mml:mmultiscripts></mml:math>: Solving the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>Discrepancy in the 4â€“3000-s Cooling Period. Physical Review Letters, 2010, 105, 202501.	7.8	107
133	Observation of a new high-spin isomer in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>124</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2010, 81, .	2.9	18
134	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>R</mml:mi></mml:mrow></mml:math>-matrix analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>decays of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>13</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 mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>15</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2010, 81, .	2.9	59
135	Half-life of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Hg</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>181</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2009, 80, .	2.9	4
136	Decay of the9/2â^’isomer inTl181and mass determination of low-lying states inTl181,Au177, andIr173. Physical Review C, 2009, 80, .	2.9	31
137	Half-life, branching-ratio, andQ-value measurement for the superallowed0+â†’0+Î²+emitterTi42. Physical Review C, 2009, 80, .	2.9	35
138	Branching ratios in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math>decays of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>12</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 mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>12</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>triple-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>continuum states. Physical	2.9	23
139	Precise branching ratios to unbound 12C states from 12N and 12B Î²-decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 459-464.	2.9	21
140		4.1	41
141	Applications of the total absorption technique to improve reactor decay heat calculations: study of the beta decay of [sup 102,104,105]Tc. , 2009, , .		1
142	Upgrade and yields of the IGISOL facility. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4454-4459.	1.4	21
143	Beta-decay branching ratios of 62Ga. European Physical Journal A, 2008, 36, 121-126.	2.5	16
144	Mass Measurements and Implications for the Energy of the High-Spin Isomer inAg94. Physical Review Letters, 2008, 101, 142503.	7.8	39

#	Article	IF	Citations
145	Author's Note:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Q</mml:mi><mml:mi>EC</mml:mi></mml:msub></mml:math>Values of the Superallowed<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>Emitters<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Mn</mml:mi><mml:mprescripts /><mml:none /><mml:mn	7.8	1
146	QECValues of the SuperallowedÎ²EmittersMn50andCo54. Physical Review Letters, 2008, 100, 132502.	7.8	70
147	Evolution of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>50</mml:mn></mml:math>Shell Gap Energy towards<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>78</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2008, 101, 052502.	7.8	147
148	The Î²-decay approach for studying12C. Journal of Physics: Conference Series, 2008, 111, 012003.	0.4	0
149	Precision mass measurements of neutron-rich Tc, Ru, Rh, and Pd isotopes. Physical Review C, 2007, 75, .	2.9	82
150	Precision mass measurements of neutron-rich yttrium and niobium isotopes. Nuclear Physics A, 2007, 793, 20-39.	1.5	74
151	The shape transition in the neutron-rich yttrium isotopes and isomers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 133-137.	4.1	92
152	On the decrease in charge radii of multi-quasi particle isomers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 330-334.	4.1	35
153	Decay study of neutron-rich zirconium isotopes employing a Penning trap as a spectroscopy tool. European Physical Journal A, 2007, 31, 1-7.	2.5	59
154	Precise atomic masses of neutron-rich Br and Rb nuclei close to the r-process path. European Physical Journal A, 2007, 32, 87-96.	2.5	56
155	Penning trap assisted decay spectroscopy of neutron-rich 115Ru. European Physical Journal A, 2007, 31, 263-266.	2.5	26
156	Masses of neutron-rich Ni and Cu isotopes and the shell closure at Z = 28 , N = 40. European Physical Journal A, 2007, 34, 5-9.	2.5	82
157	Conversion electron spectroscopy of isobarically purified trapped radioactive ions. European Physical Journal A, 2007, 34, 113-118.	2.5	20
158	Independent fission yields with JYFLTRAP. European Physical Journal: Special Topics, 2007, 150, 317-318.	2.6	6
159	Precision mass measurements of radioactive nuclei at JYFLTRAP. European Physical Journal: Special Topics, 2007, 150, 349-352.	2.6	5
160	Exploring the reactor heat problem: Study of the beta decay of 104,105Tc using the TAS technique. European Physical Journal: Special Topics, 2007, 150, 383-384.	2.6	3
161	Experimental studies at JYFLTRAP. , 2007, , 299-307.		1
162	A Systematic Study of Î²â¯ Decay of Neutron-Rich Rh and Ag Isotopes. AIP Conference Proceedings, 2006, , .	0.4	1

#	Article	IF	Citations
163	An ion guide for the production of a low energy ion beam of daughter products of Î±-emitters. Nuclear Instruments & Methods in Physics Research B, 2006, 252, 347-353.	1.4	14
164	Q-value of the superallowed Î² decay of 62Ga. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 191-196.	4.1	45
165	Excited states in 31S studied via beta decay of 31Cl. European Physical Journal A, 2006, 27, 67-75.	2.5	29
166	Mass measurements of neutron-deficient nuclides close to A = 80 with a Penning trap. European Physical Journal A, 2006, 29, 271-280.	2.5	72
167	Laser Ion Source Project at IGISOL. Hyperfine Interactions, 2006, 162, 39-43.	0.5	8
168	Experimental studies at JYFLTRAP. Hyperfine Interactions, 2006, 173, 143-151.	0.5	3
169	Precision experiments on exotic nuclei at IGISOL. International Journal of Mass Spectrometry, 2006, 251, 204-211.	1.5	64
170	New Levels in 118 Pd Observed in the Î² Decay of Very Neutron-Rich 118 Rh Isotope. Chinese Physics Letters, 2006, 23, 808-811.	3.3	6
171	First Precision Mass Measurements of Refractory Fission Fragments. Physical Review Letters, 2006, 96, 042504.	7.8	112
172	Publisherâ€™s Note: First Precision Mass Measurements of Refractory Fission Fragments [Phys. Rev. Lett.96, 042504 (2006)]. Physical Review Letters, 2006, 96, .	7.8	2
173	Laser Ion Source Project at IGISOL. , 2006, , 39-43.		0
174	Properties of the 12C 10 MeV state determined through Î²-decay. Nuclear Physics A, 2005, 760, 3-18.	1.5	40
175	Isomers of astrophysical interest in neutron-deficient nuclei at masses A = 81, 85 and 86. European Physical Journal A, 2005, 25, 355-363.	2.5	14
176	Beta-delayed gamma and proton spectroscopy near the Z = N line. European Physical Journal A, 2005, 25, 129-130.	2.5	13
177	Structure of doubly-even cadmium nuclei studied by Î²decay. European Physical Journal A, 2005, 25, 119-120.	2.5	8
178	Performance of IGISOL 3. European Physical Journal A, 2005, 25, 745-747.	2.5	32
179	Ion manipulation and precision measurements at JYFLTRAP. European Physical Journal A, 2005, 25, 27-30.	2.5	6
180	Revised rates for the stellar triple-Î± process from measurement of 12C nuclear resonances. Nature, 2005, 433, 136-139.	27.8	205

#	Article	IF	Citations
181	Development of a laser ion source at IGISOL. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1499-S1502.	3.6	61
182	Î²-decay ofO13. Physical Review C, 2005, 72, .	2.9	12
183	Production of 234,235Np and 236Pu in bombardment of 236U with protons in the energy range from 17 to 40 MeV. Radiochimica Acta, 2005, 93, .	1.2	6
184	Performance of IGISOL 3. , 2005, , 745-747.		0
185	Ion manipulation and precision measurements at JYFLTRAP. , 2005, , 27-30.		0
186	Direct mass measurements of neutron-rich zirconium isotopes up toZr104. Physical Review C, 2004, 70, .	2.9	42
187	Production of neutron deficient rare isotope beams at IGISOL; on-line and off-line studies. Nuclear Instruments & Methods in Physics Research B, 2004, 222, 632-652.	1.4	57
188	Reinvestigation of the beta-decay of 110Mo. European Physical Journal A, 2004, 19, 83-87.	2.5	9
189	JYFLTRAP: a cylindrical Penning trap for isobaric beam purification at IGISOL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 528, 776-787.	1.6	171
190	News on 12C from Î²-decay studies. Nuclear Physics A, 2004, 738, 59-65.	1.5	11
191	First mass measurement at JYFLTRAP. Nuclear Physics A, 2004, 746, 277-280.	1.5	9
192	A radio frequency ring electrode cooler for low-energy ion beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 239-247.	1.6	3
193	Penning trap for isobaric mass separation at IGISOL. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 502-506.	1.4	28
194	Î²decay of neutron-rich118Agand120Agisotopes. Physical Review C, 2003, 67, .	2.9	22
195	Studying exotic nuclides close to the N = Z line at the HIGISOL facility. , 2003, , 481-481.		0
196	STRUCTURE STUDIES OF FISSION PRODUCTS AT IGISOL-FACILITY. , 2003, , .		0
197	Wien filter for cooled low-energy radioactive ion beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 481, 718-730.	1.6	3
198	In-trap conversion electron spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 492, 451-463.	1.6	24

#	Article	IF	Citations
199	Penning trap at IGISOL. Nuclear Physics A, 2002, 701, 588-591.	1.5	9
200	Feasibility of In-Trap Conversion Electron Spectroscopy. Hyperfine Interactions, 2001, 132, 531-535.	0.5	7
201	Status of HIGISOL, a New Version Equipped with SPIG and Electric Field Guidance. Hyperfine Interactions, 2001, 132, 481-486.	0.5	5
202	Isomeric state of 80Y and its role in the astrophysical rp-process. European Physical Journal A, 2001, 11, 257-261.	2.5	26
203	Î² decay of116Agmand the vibrational structure of116Cd. Physical Review C, 2001, 64, .	2.9	24
204	Beta decay of neutron-rich116Rhand the low-lying level structure of even-even116Pd. Physical Review C, 2001, 63, .	2.9	26
205	Beta decay of neutron-rich 118Rh and the lowest excited states in 118Pd. European Physical Journal A, 2000, 9, 9-12.	2.5	21