

Iain D Moore

List of Publications by Year in descending order

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298
all docs

298
docs citations

298
times ranked

1944
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser spectroscopy for nuclear structure physics. Progress in Particle and Nuclear Physics, 2016, 86, 127-180.	14.4	221
2	On-Line Ion Cooling and Bunching for Collinear Laser Spectroscopy. Physical Review Letters, 2002, 88, 094801.	7.8	160
3	Nuclear Spins and Moments of Ga Isotopes Reveal Sudden Structural Changes between ^{67}Ga and ^{69}Ga . Physical Review Letters, 2008, 101, 052502.	7.8	154
4	Evolution of the Shell Gap Energy towards ^{68}Ni . Physical Review Letters, 2008, 101, 052502.	7.8	147
5	JYFLTRAP: a Penning trap for precision mass spectroscopy and isobaric purification. European Physical Journal A, 2012, 48, 1.	2.9	119
6	First Precision Mass Measurements of Refractory Fission Fragments. Physical Review Letters, 2006, 96, 042504.	2.5	118
7	A sextupole ion beam guide to improve the efficiency and beam quality at IGISOL. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4794-4807.	7.8	112
8	Search for Decay Heat in ^{239}Pu . Physical Review Letters, 2010, 105, 202501.	1.4	112
9	Discrepancy in the $4\text{--}3000\text{-s}$ Cooling Period. Physical Review Letters, 2010, 105, 202501.	7.8	107
10	Towards commissioning the new IGISOL-4 facility. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 208-213.	1.4	102
11	The FRS Ion Catcher – 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
12	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
13	Towards high-resolution laser ionization spectroscopy of the heaviest elements in supersonic gas jet expansion. Nature Communications, 2017, 8, 14520.	12.8	90
14	Laser Spectroscopy of Niobium Fission Fragments: First Use of Optical Pumping in an Ion Beam Cooler Buncher. Physical Review Letters, 2009, 102, 222501.	7.8	88
15	Nuclear charge radii of molybdenum fission fragments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 23-27.	4.1	83
16	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
17	Quenching of the SnSbTe Cycle in the r - p Process. Physical Review Letters, 2009, 102, 252501.	7.8	77
18	MATS and LaSpec: High-precision experiments using ion traps and lasers at FAIR. European Physical Journal: Special Topics, 2010, 183, 1-123.	2.6	76

#	ARTICLE	IF	CITATIONS
19	Precision mass measurements of neutron-rich yttrium and niobium isotopes. Nuclear Physics A, 2007, 793, 20-39.	1.5	74
20	Precision Mass Measurements beyond ^{132}Sn : Anomalous Behavior of Odd-Even Staggering of Binding Energies. Physical Review Letters, 2012, 109, 032501.	7.8	74
21	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
22	QECValues of the Superallowed \hat{I}^2 Emitters $\text{Mn}50$ and $\text{Co}54$. Physical Review Letters, 2008, 100, 132502.	7.8	70
23	Total Absorption Spectroscopy Study of ^{92}Rb Decay: A Major Contributor to Reactor Antineutrino Spectrum Shape. Physical Review Letters, 2015, 115, 102503.	7.8	68
24	Precision experiments on exotic nuclei at IGISOL. International Journal of Mass Spectrometry, 2006, 251, 204-211.	1.5	64
25	Development of a laser ion source at IGISOL. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1499-S1502.	3.6	61
26	QValues of the Superallowed \hat{I}^2 Emitters $\text{Al}26$, $\text{Sc}42$, and $\text{V}46$ and Their Impact on Vud and the Unitarity of the Cabibbo-Kobayashi-Maskawa Matrix. Physical Review Letters, 2006, 97, 232501.	7.8	59
27	R -matrix analysis of the \hat{I}^2 decays of ^{12}N .	2.9	59
28	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
29	Ground state properties of manganese isotopes across the shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 346-351.	4.1	53
30	Phase-Imaging Ion-Cyclotron-Resonance technique at the JYFLTRAP double Penning trap mass spectrometer. European Physical Journal A, 2018, 54, 1.	2.5	52
31	EC value of ^{26}Si .	2.9	48
32	Nuclear moments and charge radii of bismuth isotopes. Journal of Physics G: Nuclear and Particle Physics, 2000, 26, 1829-1848.	3.6	46
33	Precision Mass Measurements on Neutron-Rich Rare-Earth Isotopes at JYFLTRAP: Reduced Neutron Pairing and Implications for r -Process Calculations. Physical Review Letters, 2018, 120, 262701.	7.8	46
34	Q-value of the superallowed \hat{I}^2 decay of ^{62}Ga . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 191-196.	4.1	45
35	Isomeric states close to doubly magic ^{132}Sn studied with the double Penning trap JYFLTRAP. Physical Review C, 2013, 87, .	2.9	45
36	QECValues of the Superallowed \hat{I}^2 Emitters $\text{Cl}34$ and $\text{K}m38$. Physical Review Letters, 2009, 103, 252501.	7.8	42

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37	Precise branching ratios to unbound ^{12}C states from ^{12}N and ^{12}B β^2 -decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 678, 459-464.	4.1	41
38	Mass Measurements and Implications for the Energy of the High-Spin Isomer in ^{94}Ag . <i>Physical Review Letters</i> , 2008, 101, 142503.	7.8	39
39	Mass of ^{23}Al for testing the isobaric multiplet mass equation. <i>Physical Review C</i> , 2009, 80, .	2.9	39
40	Mass measurements in the vicinity of the doubly magic waiting point ^{56}Ni . <i>Physical Review C</i> , 2010, 82, .	2.9	38
41	First spatial separation of a heavy ion isomeric beam with a multiple-reflection time-of-flight mass spectrometer. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 744, 137-141.	4.1	38
42	Characterization of a neutron β -counting system with beta-delayed neutron emitters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 807, 69-78.	1.6	38
43	Nuclear charge radii of neutron deficient titanium isotopes ^{44}Ti and ^{45}Ti . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2004, 30, 1089-1098.	3.6	37
44	Enhanced β -Ray Emission from Neutron Unbound States Populated in ^{12}C Decay. <i>Physical Review Letters</i> , 2015, 115, 062502.	7.8	37
45	First experimental results of a cryogenic stopping cell with short-lived, heavy uranium fragments produced at 1000 MeV/u. <i>Europhysics Letters</i> , 2013, 104, 42001.	2.0	36
46	Total absorption study of the ^{102}Zr decay of ^{104}Zr . <i>Physical Review C</i> , 2013, 87, .	2.9	36
47	^{20}F -Decay Transition of ^{20}F . <i>Physical Review C</i> , 2010, 82, .	7.8	36
48	On the decrease in charge radii of multi-quasi particle isomers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 645, 330-334.	4.1	35
49	Half-life, branching-ratio, and Q-value measurement for the superallowed $0^+ \rightarrow 0^+$ emitter ^{42}Ti . <i>Physical Review C</i> , 2009, 80, .	2.9	35
50	Discovery of a long-lived low-lying isomeric state in ^{80}Ga . <i>Physical Review C</i> , 2010, 82, .	2.9	35
51	Laser spectroscopy of the ^{80}Ga -delayed neutron emitters. <i>Physical Review C</i> , 2010, 82, .	2.9	35
52	First results from laser spectroscopy on bunched radioactive beams from the JYFL ion-beam cooler. <i>European Physical Journal A</i> , 2002, 15, 45-48.	2.5	34
53	The IGISOL technique—three decades of developments. <i>Hyperfine Interactions</i> , 2014, 223, 17-62.	0.5	34
54	Characterization of a pulsed injection-locked Ti:sapphire laser and its application to high resolution resonance ionization spectroscopy of copper. <i>Laser Physics</i> , 2017, 27, 085701.	1.2	33

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55	Performance of IGISOL 3. European Physical Journal A, 2005, 25, 745-747.	2.5	32
56	Systematic studies of the accuracy of the Penning trap mass spectrometer JYFLTRAP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 612, 97-102.	1.6	32
57	decay value of Q	2.9	32
58	Ground-state spins and moments of ^{72}Zr , ^{74}Zr , and ^{76}Zr nuclei. Physical Review C, 2011, 84, .	2.9	32
59	Resonance ionization spectroscopy of thorium isotopes "towards a laser spectroscopic identification of the low-lying 7.6 eV isomer of ^{229}Th . Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 165005.	1.5	32
60	Design, construction and cooling system performance of a prototype cryogenic stopping cell for the Super-FRS at FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 770, 87-97.	1.6	32
61	Efficient, high-resolution resonance laser ionization spectroscopy using weak transitions to long-lived excited states. Physical Review A, 2017, 95, .	2.5	32
62	High-resolution, accurate multiple-reflection time-of-flight mass spectrometry for short-lived, exotic nuclei of a few events in their ground and low-lying isomeric states. Physical Review C, 2019, 99, .	2.9	32
63	Cooling and bunching of ion beams for collinear laser spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 563-569.	1.4	31
64	Light-ion-induced reactions in mass measurements of neutron-deficient nuclides close to $A = 100$. European Physical Journal A, 2009, 40, 1-9.	2.5	31
65	Determining isotopic distributions of fission products with a Penning trap. European Physical Journal A, 2010, 44, 147-168.	2.5	30
66	The search for the existence of ^{229}mTh at IGISOL. European Physical Journal A, 2012, 48, 1.	2.5	30
67	Excited states in ^{31}S studied via beta decay of ^{31}Cl . European Physical Journal A, 2006, 27, 67-75.	2.5	29
68	Off-line studies of the laser ionization of yttrium at the IGISOL facility. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 681-700.	1.4	29
69	Nuclear spin determination of ^{100}mY by collinear laser spectroscopy of optically pumped ions. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 105103.	3.6	29
70	Total absorption spectroscopy study of the ^{86}Br and ^{86}Kr decay of ^{86}Br and ^{86}Kr large impact on beta decay of ^{86}Br isomers on the reactor	2.9	29
71	Summation Calculations. Physical Review Letters, 2019, 122, 042502.	7.8	29
72	Counting Individual ^{41}Ca Atoms with a Magneto-Optical Trap. Physical Review Letters, 2004, 92, 153002.	7.8	28

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73	Performance of a high repetition pulse rate laser system for in-gas-jet laser ionization studies with the Leuven laser ion source @ LISOL. Nuclear Instruments & Methods in Physics Research B, 2012, 291, 29-37.	1.4	28
74	In-gas laser ionization and spectroscopy of actinium isotopes near the N=126 closed shell. Physical Review C, 2017, 96, .	2.9	27
75	Penning trap assisted decay spectroscopy of neutron-rich 115Ru. European Physical Journal A, 2007, 31, 263-266.	2.5	26
76	Precise half-life measurement of the 26Si ground state. European Physical Journal A, 2008, 37, 151-158.	2.5	26
77	New concepts for the ion guide technique. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4434-4441.	1.4	25
78	QEC values of the superallowed \hat{I}^2 emitters C10, Ar34, Ca38, and V46. Physical Review C, 2011, 83, .	2.9	25
79	Precise and accurate determination of the B Nuclear mean-square charge radii of ^{68}Ni decay spectrum.	2.9	24
80	Single and Double Beta-Decay ^{64}Ni nuclei: No anomalous behavior at ^{66}Ni	2.9	24
81	Physical Review C, 2012, 85, .	2.9	23
82	Changes in nuclear structure along the Mn isotopic chain studied via charge radii. Physical Review C, 2016, 94, .	2.9	23
83	Values among the Triplet ^{96}Zr	7.8	23
84	Excited states in ^{115}Pd populated in the ^{115}Rh decay.	2.9	22
85	Precision mass measurements of neutron-rich Y, Nb, Mo, Tc, Ru, Rh, and Pd isotopes. European Physical Journal A, 2011, 47, 1.	2.5	22
86	Gas jet studies towards an optimization of the IGISOL LIST method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, 24-34.	1.6	22
87	Laser developments and resonance ionization spectroscopy at IGISOL. European Physical Journal A, 2012, 48, 1.	2.5	22
88	Isotope shifts from collinear laser spectroscopy of doubly charged yttrium isotopes. Physical Review A, 2018, 97, .	2.5	22
89	Exploring the mass surface near the rare-earth abundance peak via precision mass measurements at JFLTRAP. Physical Review C, 2020, 101, .	2.9	22
90	Upgrade and yields of the IGISOL facility. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4454-4459.	1.4	21

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91	capture branch of ^{137}Ba and tests of nuclear wave functions for double-breakup channels for ^{137}Ba .	2.9	21
92	triple-continuum states. Physical Research B, 2013, 317, 506-509.	2.9	21
93	First experiment with the NUSTAR/FAIR Decay Total Absorption γ -Ray Spectrometer (DTAS) at the IGISOL IV facility. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 334-337.	1.4	21
94	Fission yield studies at the IGISOL facility. European Physical Journal A, 2012, 48, 1.	1.4	21
95	Developments towards in-gas-jet laser spectroscopy studies of actinium isotopes at LISOL. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 382-387.	2.5	20
96	On the performance of wavelength meters: Part 1 consequences for medium-to-high-resolution laser spectroscopy. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.4	20
97	Nuclear moments and charge radii of the ^{171}Hf ground state and isomer. Journal of Physics G: Nuclear and Particle Physics, 2000, 26, 839-847.	2.2	20
98	Simulations of the fission-product stopping efficiency in IGISOL. European Physical Journal A, 2015, 51, 1.	3.6	19
99	High-precision mass measurements of ^{25}Al and ^{30}P at JYFLTRAP. European Physical Journal A, 2016, 52, 1.	2.5	19
100	High-resolution laser spectroscopy of long-lived plutonium isotopes. Physical Review A, 2017, 95, .	2.5	19
101	Alternative approach to populate and study the ^{229}Th nuclear clock isomer. Physical Review C, 2019, 100, .	2.9	19
102	ground-state transition in the ^{229}Th decay of ^{229}Th . Physical Review C, 2019, 100, .	2.9	19
103	Upgrades to the collinear laser spectroscopy experiment at the IGISOL. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 437-440.	1.4	19
104	Evidence of a sudden increase in the nuclear size of proton-rich silver-96. Nature Communications, 2021, 12, 4596.	12.8	19
105	A study of on-line gas cell processes at IGISOL. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 657-670.	1.4	18
106	Three beta-decaying states in ^{128}In and ^{130}In 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
107	Lifetime measurements of the negative-parity 7^{\ominus} and 8^{\ominus} states in ^{122}Cd . Physical Review C, 2008, 77, .	2.9	17

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109	Ultra-high resolution mass separator Application to detection of nuclear weapons tests. Applied Radiation and Isotopes, 2010, 68, 450-453.	1.5	17
110	Precision half-life and Q -value measurement of the super-allowed β emitter ^{30}S . European Physical Journal A, 2011, 47, 1.	2.5	17
111	Evidence for Increased neutron and proton excitations between $^{51}\sim^{63}\text{Mn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 176-180.	4.1	17
112	High-precision mass measurements for the isobaric multiplet mass equation at $A=52$. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 065103.	3.6	17
113	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
114	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
115	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
116	Model independent determination of the spin of the ^{180}Ta naturally occurring isomer. Physical Review C, 2006, 74, .	2.9	16
117	Beta-decay branching ratios of ^{62}Ga . European Physical Journal A, 2008, 36, 121-126.	2.5	16
118	Internal conversion from excited electronic states of ^{229}Th ions. Physical Review A, 2017, 95, the coexistence in the odd-odd nucleus ^{98}Y	2.5	16
119	^{98}Y : The role of the neutron extruder. Physical Review C, 2017, 96, .	2.9	16
120	A hot cavity laser ion source at IGISOL. European Physical Journal A, 2009, 42, 509.	2.5	15
121	First Measurements with the BEta deLayEd Neutron Detector (BELEN-20) at JYFLTRAP. Journal of Physics: Conference Series, 2011, 312, 052008.	0.4	15
122	Signatures of oblate deformation in the ^{111}Tc nucleus. Physical Review C, 2011, 84, .	2.9	15
123	New Beta-delayed Neutron Measurements in the Light-mass Fission Group. Nuclear Data Sheets, 2014, 120, 74-77.	2.2	15
124	Mass of astrophysically relevant ^{31}Cl and the breakdown of the isobaric multiplet mass equation. Physical Review C, 2016, 93, .	2.9	15
125	Independent isotopic yields in 25 MeV and 50 MeV proton-induced fission of ^{235}U . European Physical Journal A, 2016, 52, 1.	2.5	15
126	Experimental study of ^{100}Tc decay with total absorption β -ray spectroscopy. Physical Review C, 2017, 96, .	2.9	15

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127	<p>Electron-Capture: A New Candidate for Neutrino Mass Determination. <i>Physical Review Letters</i>, 2021, 127, 272301.</p> Dy^{159}	7.8	15
128	An ion guide for the production of a low energy ion beam of daughter products of I^{\pm} -emitters. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 252, 347-353.	1.4	14
129	High-Precision Q -Value Measurement Confirms the Potential of Ru^{115} . <i>Physical Review C</i> , 2010, 82, 054307.	2.9	14
130	Cs^{135} Beta-delayed gamma and proton spectroscopy near the $Z = N$ line. <i>European Physical Journal A</i> , 2005, 25, 129-130.	2.5	13
131	Cryogenic helium as stopping medium for high-energy ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 4488-4492.	1.4	13
133	A new off-line ion source facility at IGISOL. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 463, 382-383.	1.4	13
134	Precision mass measurements of Fe^{67} and Co^{69} . <i>Physical Review C</i> , 2010, 82, 054307.	2.9	13
135	O^{13} β^2 -decay. <i>Physical Review C</i> , 2005, 72, .	2.9	12
136	Resonance ionization spectroscopy of bismuth at the IGISOL facility. <i>Hyperfine Interactions</i> , 2006, 171, 135-141.	0.5	12
137	Development of a carbon-cluster ion source for JYFLTRAP. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 4425-4428.	1.4	12
138	Decay study of Tc^{114} with a Penning trap. <i>Physical Review C</i> , 2011, 83, .	2.9	12
139	Determination of the ground-state hyperfine structure in neutral ^{229}Th . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 165005.	1.5	12
140	Developments for neutron-induced fission at IGISOL-4. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 376, 46-51.	1.4	12
141	Investigation of the low-lying isomer in ^{229}Th by collinear laser spectroscopy. <i>Hyperfine Interactions</i> , 2006, 171, 197-201.	0.5	11
142	Status of the LASER-IGISOL collaboration at the University of Jyväskylä. <i>Hyperfine Interactions</i> , 2010, 196, 143-150.	0.5	11
143	Characterization of a dual-etalon Ti:sapphire laser via resonance ionization spectroscopy of stable copper isotopes. <i>Hyperfine Interactions</i> , 2014, 227, 113-123.	0.5	11

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145	Spins and magnetic moments of Mn^{58} states and isomers. <i>Physical Review C</i> , 2015, 92, .	2.9	11
146	Intracavity Frequency Doubling and Difference Frequency Mixing for Pulsed ns Ti:Sapphire Laser Systems at On-Line Radioactive Ion Beam Facilities. , 2015, ,		11
147	Magnetic octupole moment of ^{71}Ga using collinear laser spectroscopy. <i>Physical Review A</i> , 2021, 103, .	1.5	11
148	Rate capability of a cryogenic stopping cell for uranium projectile fragments produced at 1000 MeV/u. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 376, 240-245.	1.4	11
149	Magnetic octupole moment of ^{173}Yb using collinear laser spectroscopy. <i>Physical Review A</i> , 2021, 103, .	2.5	11
150	New ion-guide for the production of beams of neutron-rich nuclei between $Z=20$ – 28 . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 546, 418-425.	1.6	10
151	Laser Ion Source Development at IGISOL. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	10
152	The decay of ^{133m}Xe . <i>Applied Radiation and Isotopes</i> , 2008, 66, 530-534.	1.5	10
153	Low-spin excitations in the ^{109}Tc nucleus. <i>Physical Review C</i> , 2012, 86, .	2.9	10
154	Laser spectroscopy of gallium isotopes beyond $N=50$. <i>Journal of Physics: Conference Series</i> , 2012, 381, 012071.	0.4	10
155	Precision half-life determination of a mirror \hat{I}^2 transition: The decay of ^{31}S . <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	10
156	A neutron source for IGISOL-JYFLTRAP: Design and characterisation. <i>European Physical Journal A</i> , 2017, 53, 1.	2.5	10
157	Proton-neutron pairing correlations in the self-conjugate nucleus ^{42}Sc . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 819, 136439.	4.1	10
158	Impact of Nuclear Deformation and Pairing on the Charge Radii of Palladium Isotopes. <i>Physical Review Letters</i> , 2022, 128, 152501.	7.8	10
159	Penning-trap-assisted study of ^{115}Ru beta decay. <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	9
160	Trap-assisted separation of nuclear states for gamma-ray spectroscopy: the example of ^{100}Nb . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012, 39, 015101.	3.6	9
161	An IGISOL portrait – Selected contributions. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	9
162	Total Absorption Study of Beta Decays Relevant for Nuclear Applications and Nuclear Structure. <i>Nuclear Data Sheets</i> , 2014, 120, 12-15.	2.2	9

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163	First determination of \hat{I}^2 -delayed multiple neutron emission beyond A=100 through direct neutron measurement: The P2n value of Sb136. Physical Review C, 2018, 98, .	2.9	9
164	High-precision mass measurements and production of neutron-deficient isotopes using heavy-ion beams at IGISOL. Physical Review C, 2019, 100, .	2.9	9
165	Retention of Pb isotopes in glass surfaces for retrospective assessment of radon exposure. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 544-547.	1.4	8
166	Laser Ion Source Project at IGISOL. Hyperfine Interactions, 2006, 162, 39-43.	0.5	8
167	LIST developments at IGISOL. European Physical Journal: Special Topics, 2007, 150, 283-284.	2.6	8
168	Characterization of a cryogenic ion guide at IGISOL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 685, 70-77.	1.6	8
169	Electron capture on ^{116}In and implications for nuclear structure related to double- β -decay. Physical Review C, 2013, 87, .	2.9	8
170	Development of a low-energy radioactive ion beam facility for the MARA separator. Hyperfine Interactions, 2016, 237, 1.	0.5	8
171	In-gas-cell laser ionization studies of plutonium isotopes at IGISOL. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 233-239.	1.4	8
172	The MORA project. Hyperfine Interactions, 2019, 240, 1.	0.5	8
173	Total absorption \hat{I}^3 -ray spectroscopy of the ^{137}Ba -delayed neutron emitters ^{137}La and ^{137}Ce . Physical Review C, 2019, 100, .	2.9	8
174	Total absorption \hat{I}^3 -ray spectroscopy of niobium isomers. Physical Review C, 2019, 100, .	2.9	8
175	Removal of molecular contamination in low-energy RIBs by the isolation-dissociation-isolation method. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 324-326.	1.4	8
176	Towards measuring the charge radius of ^6He and ^8He . Nuclear Instruments & Methods in Physics Research B, 2003, 204, 536-539.	1.4	7
177	Towards on-line production of N=Z94Ag at IGISOL. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4420-4424.	1.4	7
178	Monte Carlo Simulations for the Study of a Moderated Neutron Detector. Journal of the Korean Physical Society, 2011, 59, 1573-1576.	0.7	7
179	High-precision measurement of a low Q value for allowed $\hat{I}^2\hat{\alpha}^{\sim}$ -decay of ^{131}I related to neutrino mass determination. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137135.	4.1	7
180	Towards ultrahigh sensitivity analysis of ^{41}Ca . Nuclear Instruments & Methods in Physics Research B, 2003, 204, 701-704.	1.4	6

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