

# Heikki Penttilä

## List of Publications by Year in descending order

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191  
papers

4,155  
citations

94433

37  
h-index

161849

54  
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199  
all docs

199  
docs citations

199  
times ranked

1449  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Mass measurements in the vicinity of the $r$ process and the $p$ process. <i>Physical Review Letters</i> , 1996, 77, 458-461.   | 2.9 | 119       |
| 2  | JYFLTRAP: a Penning trap for precision mass spectroscopy and isobaric purification. <i>European Physical Journal A</i> , 2012, 48, 1.   | 2.5 | 118       |
| 3  | A sextupole ion beam guide to improve the efficiency and beam quality at IGISOL. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2008, 266, 4794-4807.   | 1.4 | 112       |
| 4  | Solving the $4\epsilon^{-3000\text{-s}}$ Cooling Period. <i>Physical Review Letters</i> , 2010, 105, 202501.  | 7.8 | 107       |
| 5  | Towards commissioning the new IGISOL-4 facility. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 317, 208-213.   | 1.4 | 102       |
| 6  | The shape transition in the neutron-rich yttrium isotopes and isomers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 645, 133-137.  | 4.1 | 92        |
| 7  | Evolution of deformation in the neutron-rich Zr region from excited intruder state to the ground state. <i>Physical Review C</i> , 1994, 49, 1379-1390.   | 2.9 | 84        |
| 8  | Masses of neutron-rich Ni and Cu isotopes and the shell closure at $Z = 28$ , $N = 40$ . <i>European Physical Journal A</i> , 2007, 34, 5-9.  | 2.5 | 82        |
| 9  | Collective structure of the neutron-rich nuclei, $^{110}\text{Ru}$ and $^{112}\text{Ru}$ . <i>Nuclear Physics A</i> , 1990, 515, 365-380.   | 1.5 | 76        |
| 10 | Precision Mass Measurements beyond $^{132}\text{Sn}$ : Anomalous Behavior of Odd-Even Staggering of Binding Energies. <i>Physical Review Letters</i> , 2012, 109, 032501.   | 7.8 | 74        |
| 11 | Mass measurements of neutron-deficient nuclides close to $A = 80$ with a Penning trap. <i>European Physical Journal A</i> , 2006, 29, 271-280.  | 2.5 | 72        |
| 12 | QEC Values of the Superallowed $\beta^+$ Emitters $^{50}\text{Mn}$ and $^{54}\text{Co}$ . <i>Physical Review Letters</i> , 2008, 100, 132502.   | 7.8 | 70        |
| 13 | Beta-Decay Half-Lives and Neutron-Emission Probabilities of Very Neutron-Rich Y to Tc Isotopes. <i>Physical Review Letters</i> , 1996, 77, 458-461.   | 7.8 | 68        |
| 14 | Total Absorption Spectroscopy Study of $^{92}\text{Rb}$ Decay: A Major Contributor to Reactor Antineutrino Spectrum Shape. <i>Physical Review Letters</i> , 2015, 115, 102503.  | 7.8 | 68        |
| 15 | Levels in $^{110}\text{Pd}$ , $^{112}\text{Pd}$ , $^{114}\text{Pd}$ and $^{116}\text{Pd}$ from the beta decays of the on-line mass separated Rh isotopes. <i>Nuclear Physics A</i> , 1988, 480, 104-124.  | 1.5 | 64        |
| 16 | Precision experiments on exotic nuclei at IGISOL. <i>International Journal of Mass Spectrometry</i> , 2006, 251, 204-211.   | 1.5 | 64        |
| 17 | Q Values of the Superallowed $\beta^+$ Emitters $^{26}\text{Al}$ , $^{42}\text{Sc}$ , and $^{46}\text{V}$ and Their Impact on $\nu$ and the Unitarity of the Cabibbo-Kobayashi-Maskawa Matrix. <i>Physical Review Letters</i> , 2006, 97, 232501. | 7.8 | 59        |
| 18 | Decay study of neutron-rich zirconium isotopes employing a Penning trap as a spectroscopy tool. <i>European Physical Journal A</i> , 2007, 31, 1-7.   | 2.5 | 59        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Matrix analysis of the $R$ decays of $^{132}\text{Sn}$ with the double Penning trap JYFLTRAP. <i>Physical Review C</i> , 2013, 87, .  | 2.9 | 59        |
| 20 | Mirror energy differences in the $A=31$ mirror nuclei, $^{31}\text{S}$ and $^{31}\text{P}$ , and their significance in electromagnetic spin-orbit splitting. <i>Physical Review C</i> , 2005, 72, .   | 2.9 | 58        |
| 21 | Production of neutron deficient rare isotope beams at IGISOL; on-line and off-line studies. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2004, 222, 632-652.  | 1.4 | 57        |
| 22 | Precise atomic masses of neutron-rich Br and Rb nuclei close to the r-process path. <i>European Physical Journal A</i> , 2007, 32, 87-96.   | 2.5 | 56        |
| 23 | Spectroscopy of $^{186}\text{Pb}$ with mass identification. <i>Physical Review C</i> , 1993, 48, R2140-R2143.   | 2.9 | 54        |
| 24 | Efficiency and delay of the fission ion guide for on-line mass separation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989, 281, 539-546.               | 1.6 | 53        |
| 25 | Phase-Imaging Ion-Cyclotron-Resonance technique at the JYFLTRAP double Penning trap mass spectrometer. <i>European Physical Journal A</i> , 2018, 54, 1.  | 2.5 | 52        |
| 26 | Discovery of rare neutron-rich Zr, Nb, Mo, Tc, and Ru isotopes in fission: Test of $T_{1/2}$ half-life predictions very far from stability. <i>Physical Review Letters</i> , 1992, 69, 1167-1170.   | 7.8 | 50        |
| 27 | Fine structure in the $\hat{1}\pm$ decay of $^{192}\text{Po}$ . <i>Zeitschrift für Physik A</i> , 1996, 356, 3-4.   | 0.9 | 45        |
| 28 | Isomeric states close to doubly magic $^{132}\text{Sn}$ studied with the double Penning trap JYFLTRAP. <i>Physical Review C</i> , 2013, 87, .   | 2.9 | 45        |
| 29 | Precise branching ratios to unbound $^{12}\text{C}$ states from $^{12}\text{N}$ and $^{12}\text{B}$ $T_{1/2}$ -decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 678, 459-464.                  | 4.1 | 41        |
| 30 | Production of neutron-rich isotopes in fission of uranium induced by neutrons of 20 MeV average energy. <i>European Physical Journal A</i> , 2000, 9, 385-396.  | 2.5 | 40        |
| 31 | Reevaluation of the $^{30}\text{P}(p, \hat{1}^3)^{31}\text{S}$ astrophysical reaction rate from a study of the $T_{1/2}$ mirror nuclei, $^{31}\text{S}$ and $^{31}\text{P}$ . <i>Physical Review C</i> , 2006, 73, .                                  | 2.9 | 40        |
| 32 | Identification and decay of new neutron-rich isotopes $^{115}\text{Rh}$ and $^{116}\text{Rh}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 201, 211-214.   | 4.1 | 39        |
| 33 | Status report of the JYFLTRAP ion guide isotope separator on-line facility. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1997, 126, 213-217.  | 1.4 | 38        |
| 34 | Candidate superdeformed band in $^{28}\text{Si}$ . <i>Physical Review C</i> , 2012, 86, .   | 2.9 | 38        |
| 35 | Characterization of a neutron $\beta$ -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        |
| 36 | Shape coexistence near the double-midshell nucleus $^{111}\text{Rh}$ . <i>European Physical Journal A</i> , 1998, 1, 285-297.   | 2.5 | 37        |

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|----|--|-----|-----------|
| 37 | Enhanced $\beta^3$ -Ray Emission from Neutron Unbound States Populated in $\beta^2$ -Decay. Physical Review Letters, 2015, 115, 062502.  | 7.8 | 37        |
| 38 | Total absorption study of the $\beta^2$ -decay of $^{102}\text{Mo}$ . Physical Review C, 2013, 87, 014307.   | 2.9 | 36        |
| 39 | Decay transition of $^{105}\text{Mo}$ . Physical Review C, 2013, 87, 014307.   | 7.8 | 36        |
| 40 | 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        |
| 41 | Half-life, branching-ratio, and Q-value measurement for the superallowed $0^+ \rightarrow 0^+$ transition in $^{42}\text{Ti}$ . Physical Review C, 2009, 80, 014307.   | 2.9 | 35        |
| 42 | Total absorption $\beta^3$ -ray spectroscopy of the $\beta^2$ -delayed neutron emitters $^{104}\text{Y}$ , $^{112}\text{Tc}$ , $^{113}\text{Tc}$ and $^{114}\text{Tc}$ : test of half-life predictions for neutron-rich isotopes of refractory elements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 454, 1-7. | 2.9 | 35        |
| 43 | $\beta^2$ -delayed neutron decay of $^{104}\text{Y}$ , $^{112}\text{Tc}$ , $^{113}\text{Tc}$ and $^{114}\text{Tc}$ : test of half-life predictions for neutron-rich isotopes of refractory elements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 454, 1-7.   | 4.1 | 34        |
| 44 | Measurement of the IAS resonance strength in $^{23}\text{Mg}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 492, 1-7.  | 4.1 | 34        |
| 45 | Supersymmetric fission at intermediate energy and production of neutron-rich nuclei with $A < 80$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 405, 230-235.  | 4.1 | 32        |
| 46 | Performance of IGISOL 3. European Physical Journal A, 2005, 25, 745-747.   | 2.5 | 32        |
| 47 | Determining isotopic distributions of fission products with a Penning trap. European Physical Journal A, 2010, 44, 147-168.  | 2.5 | 30        |
| 48 | Isotopic product distributions in the near symmetric mass region in proton induced fission of $^{238}\text{U}$ . Physical Review C, 1994, 49, 2036-2044.   | 2.9 | 29        |
| 49 | Excited states in $^{31}\text{S}$ studied via beta decay of $^{31}\text{Cl}$ . European Physical Journal A, 2006, 27, 67-75.   | 2.5 | 29        |
| 50 | Decays of the $^{97}\text{Y}$ isomers to the single neutron nucleus $^{97}\text{Zr}$ . Physical Review C, 1996, 54, 1117-1128.   | 2.9 | 27        |
| 51 | Isomeric state of $^{80}\text{Y}$ and its role in the astrophysical rp-process. European Physical Journal A, 2001, 11, 257-261.  | 2.5 | 26        |
| 52 | Beta decay of neutron-rich $^{116}\text{Rh}$ and the low-lying level structure of even-even $^{116}\text{Pd}$ . Physical Review C, 2001, 63, 014307.   | 2.9 | 26        |
| 53 | Penning trap assisted decay spectroscopy of neutron-rich $^{115}\text{Ru}$ . European Physical Journal A, 2007, 31, 263-266.   | 2.5 | 26        |
| 54 | Low-spin structure of $^{113}\text{Ru}$ and $^{113}\text{Rh}$ . European Physical Journal A, 2007, 33, 307-316.  | 2.5 | 25        |

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|----|---|-----|-----------|
| 55 | QECvalues of the superallowed $I^2$ emitters C10,Ar34,Ca38, andV46. Physical Review C, 2011, 83, .  | 2.9 | 25        |
| 56 | Identification of the rare neutron-rich isotope Rh117. Physical Review C, 1991, 44, R935-R938.  | 2.9 | 24        |
| 57 | $I^2$ decay of $^{116}\text{Ag}$ and the vibrational structure of $^{116}\text{Cd}$ . Physical Review C, 2001, 64, .  | 2.9 | 24        |
| 58 | Precise and accurate determination of the $B$ decay spectrum. Nuclear Physics A, 2001, 271, 1-8.  | 2.9 | 24        |
| 59 | Decays of $I^2$ decays of $N$ and $I^2$ and $I^2$ decays of $N$ and $I^2$ . Nuclear Physics A, 1993, 561, 416-430.  | 2.9 | 23        |
| 60 | New interpretation of shape coexistence in $^{99}\text{Zr}$ . Physical Review C, 1997, 56, 2445-2450.   | 2.9 | 22        |
| 61 | $I^2$ decay of neutron-rich $^{118}\text{Ag}$ and $^{120}\text{Ag}$ isotopes. Physical Review C, 2003, 67, .  | 2.9 | 22        |
| 62 | Excited states in $^{115}\text{Pd}$ populated in the $I^2$ decay of $^{115}\text{Rh}$ . Physical Review C, 2010, 82, .  | 2.9 | 22        |
| 63 | 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        |
| 64 | $I^2$ -decay of $^{113}\text{Rh}$ and the observation of $^{113\text{m}}\text{Pd}$ : Isomer systematics in odd-A palladium isotopes. Nuclear Physics A, 1993, 561, 416-430.   | 1.5 | 21        |
| 65 | Level structure of $^{99}\text{Nb}$ . Physical Review C, 1998, 57, 2974-2990.   | 2.9 | 21        |
| 66 | Upgrade and yields of the IGISOL facility. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4454-4459.   | 1.4 | 21        |
| 67 | Electron capture branch of $Tc$ and tests of nuclear wave functions for double- $C$ breakup channels for $Tc$ . Physical Review C, 2001, 64, 054301.  | 2.9 | 21        |
| 68 | Triple- $I^2$ decay of $^{113}\text{Rh}$ and $^{113\text{m}}\text{Pd}$ continuum states. Physical Instruments & Methods in Physics Research B, 2013, 317, 506-509.  | 2.9 | 21        |
| 69 | Recommissioning of JYFLTRAP at the new IGISOL-4 facility. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 506-509.  | 1.4 | 21        |
| 70 | First experiment with the NUSTAR/FAIR Decay Total Absorption $I^3$ -Ray Spectrometer (DTAS) at the IGISOL IV facility. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 334-337.                       | 1.4 | 21        |
| 71 | Electron-transporter spectrometer for on-line isotope separator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 306, 504-511. | 1.6 | 20        |
| 72 | Beta decay of $^{114}\text{Ru}$ and $Q$ systematics for n-rich Ru isotopes. Nuclear Physics A, 1992, 549, 420-430.  | 1.5 | 20        |

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|----|--|-----|-----------|
| 73 | First observation of nonyrast levels in $Zr^{103}$ and level systematics of $N=63$ Sr, Zr, and Mo isotones. <i>Physical Review C</i> , 1996, 54, 1592-1597.                                      | 2.9 | 20        |
| 74 | Precision measurement of the half-life and the decay branches of $^{62}Ga$ . <i>European Physical Journal A</i> , 2005, 23, 409-415.   | 2.5 | 20        |
| 75 | Fission yield studies at the IGISOL facility. <i>European Physical Journal A</i> , 2012, 48, 1.  | 2.5 | 20        |
| 76 | Half-life measurements for neutron-rich Tc, Ru, Rh, and Pd isotopes. Identification of the new isotopes $Tc^{111}$ , $Ru^{113}$ , and $Rh^{113}$ . <i>Physical Review C</i> , 1988, 38, 931-934. | 2.9 | 19        |
| 77 | Gamow-Teller decay of $^{118}Pd$ and of the new isotope $^{120}Pd$ . <i>Nuclear Physics A</i> , 1993, 552, 340-352.  | 1.5 | 19        |
| 78 | Simulations of the fission-product stopping efficiency in IGISOL. <i>European Physical Journal A</i> , 2015, 51, 1.  | 2.5 | 19        |
| 79 | Measurement of the $\gamma$ -ray ground-state transition in the $^{112}Cd$ decay of $^{112}In$ . <i>Physical Review C</i> , 2019, 100, .   | 2.9 | 19        |
| 80 | Deformed bands and prolate-oblate shape coexistence in $^{185}Tl$ and $^{187}Tl$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 324, 14-19.   | 4.1 | 18        |
| 81 | Beta decay of $^{108}Mo$ and of neighbouring even Mo-isotopes. <i>Nuclear Physics A</i> , 1995, 584, 489-508.  | 1.5 | 18        |
| 82 | Independent and cumulative yields of very neutron-rich nuclei in 20 MeVp- and $^{18}O$ -induced fission of $^{238}U$ . <i>Physical Review C</i> , 1991, 44, 336-344.                             | 2.9 | 17        |
| 83 | Lifetime measurements of the negative-parity $7^{\sim}$ and $8^{\sim}$ states in $^{122}Cd$ . <i>Physical Review C</i> , 2008, 77, .   | 2.9 | 17        |
| 84 | Ultra-high resolution mass separator Application to detection of nuclear weapons tests. <i>Applied Radiation and Isotopes</i> , 2010, 68, 450-453.   | 1.5 | 17        |
| 85 | First isomeric yield ratio measurements by direct ion counting and implications for the angular momentum of the primary fission fragments. <i>Physical Review C</i> , 2018, 98, .                | 2.9 | 17        |
| 86 | Detailed investigation of the $\beta^2$ -decay of the $9/2^+$ ground state of $^{99}Nb$ to levels in $^{99}Mo$ . <i>Zeitschrift für Physik A</i> , 1997, 358, 317-327.                           | 0.9 | 16        |
| 87 | A new isomer in $^{125}La$ . <i>European Physical Journal A</i> , 1999, 5, 1-2.  | 2.5 | 16        |
| 88 | Beta-decay branching ratios of $^{62}Ga$ . <i>European Physical Journal A</i> , 2008, 36, 121-126.   | 2.5 | 16        |
| 89 | First decay scheme of $^{113}Tc$ and identification of $^{113}Ru$ m. <i>European Physical Journal A</i> , 1998, 2, 241-243.  | 2.5 | 15        |
| 90 | Signatures of oblate deformation in the $^{111}Tc$ nucleus. <i>Physical Review C</i> , 2011, 84, .   | 2.9 | 15        |

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|-----|---|-----|-----------|
| 91  | New Beta-delayed Neutron Measurements in the Light-mass Fission Group. Nuclear Data Sheets, 2014, 120, 74-77.   | 2.2 | 15        |
| 92  | Independent isotopic yields in 25 MeV and 50 MeV proton-induced fission of natU. European Physical Journal A, 2016, 52, 1.                                  | 2.5 | 15        |
| 93  | Experimental study of Tc100 $\hat{I}^2$ decay with total absorption $\hat{I}^3$ -ray spectroscopy. Physical Review C, 2017, 96, .                           | 2.9 | 15        |
| 94  | Beta decay of 61Ga. European Physical Journal A, 1999, 5, 151-156.  | 2.5 | 14        |
| 95  | Production of neutron-rich nuclei in fission induced by neutrons generated by the p + 13C reaction at 55 MeV. European Physical Journal A, 2003, 17, 57-63. | 2.5 | 14        |
| 96  | 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        |
| 97  | New isomer and decay half-life of $^{115}\text{Ru}$ . Physical Review C, 2010, 82, .  | 2.9 | 14        |
| 98  | Beta-delayed gamma and proton spectroscopy near the Z = N line. European Physical Journal A, 2005, 25, 129-130.   | 2.5 | 13        |
| 99  | New Neutron-Rich Nuclei and Isomers Produced in Symmetric Fission. Physica Scripta, 1990, T32, 38-42.   | 2.5 | 12        |
| 100 | First observation of $\hat{I}^2$ decay of Nb108toMo108. Physical Review C, 1996, 54, 2760-2763.   | 2.9 | 12        |
| 101 | $\hat{I}^2$ -decay of O13. Physical Review C, 2005, 72, .   | 2.9 | 12        |
| 102 | Decay study of $^{114}\text{Tc}$ with a Penning trap. Physical Review C, 2011, 83, .  | 2.9 | 12        |
| 103 | Developments for neutron-induced fission at IGISOL-4. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 46-51.                                | 1.4 | 12        |
| 104 | Total absorption spectroscopy of 58Cu decay. European Physical Journal A, 2001, 12, 143-145.  | 2.5 | 11        |
| 105 | Independent yields of neutron-rich nuclei in charged-particle induced fission. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 201-204.     | 1.4 | 10        |
| 106 | Laser Ion Source Development at IGISOL. AIP Conference Proceedings, 2006, , .   | 0.4 | 10        |
| 107 | Low-spin excitations in the $^{109}\text{Tc}$ nucleus. Physical Review C, 2012, 86, .   | 2.9 | 10        |
| 108 | A neutron source for IGISOL-JYFLTRAP: Design and characterisation. European Physical Journal A, 2017, 53, 1.  | 2.5 | 10        |

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|-----|--|-----|-----------|
| 109 | Status report of the SARA IGISOL used in the study of the $^{238}\text{U}(\hat{I}^{\pm} 40 \text{ MeV}, \hat{A}^{\prime})$ reaction. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 233-240. | 1.4 | 9         |
| 110 | $\hat{I}^{\pm}$ -decay properties of $\text{Pb}181$ . Physical Review C, 1996, 53, 2513-2515.  | 2.9 | 9         |
| 111 | Penning-trap-assisted study of $^{115}\text{Ru}$ beta decay. European Physical Journal A, 2011, 47, 1.   | 2.5 | 9         |
| 112 | Trap-assisted separation of nuclear states for gamma-ray spectroscopy: the example of $^{100}\text{Nb}$ . Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 015101.                              | 3.6 | 9         |
| 113 | Total Absorption Study of Beta Decays Relevant for Nuclear Applications and Nuclear Structure. Nuclear Data Sheets, 2014, 120, 12-15.  | 2.2 | 9         |
| 114 | First determination of $\hat{I}^2$ -delayed multiple neutron emission beyond $A=100$ through direct neutron measurement: The $P_{2n}$ value of $\text{Sb}136$ . Physical Review C, 2018, 98, .               | 2.9 | 9         |
| 115 | High-precision mass measurements and production of neutron-deficient isotopes using heavy-ion beams at IGISOL. Physical Review C, 2019, 100, .   | 2.9 | 9         |
| 116 | Beta Decay of $^{111}\text{Tc}$ to $^{111}\text{Ru}$ . European Physical Journal A, 1998, 2, 17-19.  | 2.5 | 8         |
| 117 | Structure of doubly-even cadmium nuclei studied by $\hat{I}^2$ decay. European Physical Journal A, 2005, 25, 119-120.  | 2.5 | 8         |
| 118 | Laser Ion Source Project at IGISOL. Hyperfine Interactions, 2006, 162, 39-43.  | 0.5 | 8         |
| 119 | LIST developments at IGISOL. European Physical Journal: Special Topics, 2007, 150, 283-284.  | 2.6 | 8         |
| 120 | Studies of quadrupole collectivity in the $\hat{I}^3$ -soft $^{106}\text{Ru}$ . European Physical Journal A, 2008, 35, 159-165.  | 2.5 | 8         |
| 121 | Electron capture on $^{116}\text{In}$ and implications for nuclear structure related to double- $\hat{I}^2$ decay. Physical Review C, 2013, 87, .  | 2.9 | 8         |
| 122 | Target thickness dependence of the $\text{Be}(p,xn)$ neutron energy spectrum. EPJ Web of Conferences, 2014, 66, 11032.   | 0.3 | 8         |
| 123 | $\hat{I}^2$ -ray spectroscopy of the $\hat{I}^2$ -delayed neutron emitters $^{137}\text{Lu}$ .   | 2.9 | 8         |
| 124 | Beta decay of $^{57}\text{Zn}^*$ . EPJ Direct, 2002, 4, 1-11.  | 0.1 | 7         |
| 125 | isomer in $^{216}\text{Fr}$ . Physical Review C, 2007, 76, .   | 2.9 | 7         |
| 126 | Independent fission yields with JYFLTRAP. European Physical Journal: Special Topics, 2007, 150, 317-318.   | 2.6 | 6         |



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|-----|---|-----|-----------|
| 127 | Lifetime measurements in mirror nuclei $^{31}\text{S}$ and $^{31}\text{P}$ : A test for isospin mixing. Journal of Physics: Conference Series, 2011, 267, 012048.   | 0.4 | 6         |
| 128 | Structure of $^{115}\text{Ag}$ studied by $\hat{I}^2\hat{\alpha}^{\sim}$ decays of $^{115}\text{Pd}$ and $^{115}\text{Pdm}$ . Physical Review C, 2012, 86, .  | 2.9 | 6         |
| 129 | Gas purification studies at IGISOL-4. Hyperfine Interactions, 2014, 227, 169-180.   | 0.5 | 6         |
| 130 | Penning-trap-assisted study of excitations in $\text{Br}88$ populated in $\hat{I}^2$ decay of $\text{Se}88$ . Physical Review C, 2017, 95, .  | 2.9 | 6         |
| 131 | Excited levels in the multishaped $\text{Pd}117$ nucleus studied via $\hat{I}^2$ decay of $\text{Rh}117$ . Physical Review C, 2018, 98, .   | 2.9 | 6         |
| 132 | High-resolution studies of beta-delayed proton emitters at IGISOL facility. Il Nuovo Cimento A, 1998, 111, 1083-1087.   | 0.2 | 5         |
| 133 | Status of HIGISOL, a New Version Equipped with SPIG and Electric Field Guidance. Hyperfine Interactions, 2001, 132, 481-486.  | 0.5 | 5         |
| 134 | Precision mass measurements of radioactive nuclei at JYFLTRAP. European Physical Journal: Special Topics, 2007, 150, 349-352.<br><a href="#">New lifetime measurements for</a>  | 2.6 | 5         |
| 135 | <a href="#">New lifetime measurements for</a> deformation at $^{109}\text{Pd}$ and the onset of   | 2.9 | 5         |
| 136 | value of the superallowed $^{109}\text{Pd}$ emitter   | 2.9 | 5         |
| 137 | Production of Sn and Sb isotopes in high-energy neutron-induced fission of natU. European Physical Journal A, 2018, 54, 1.  | 2.5 | 5         |
| 138 | Excited states in $\text{Br}87$ populated in $\hat{I}^2$ decay of $\text{Se}87$ . Physical Review C, 2019, 100, .   | 2.9 | 5         |
| 139 | Transition probabilities in $^{31}\text{P}$ and $^{31}\text{S}$ : A test for isospin symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 821, 136603.<br>Total absorption $^{133}\text{I}$ -ray | 4.1 | 5         |
| 140 | spectroscopy of the $^{133}\text{I}$ decays of  | 2.9 | 5         |
| 141 | Re-evaluating reaction rates relevant to nova nucleosynthesis from a nuclear structure perspective. European Physical Journal A, 2006, 27, 117-121.   | 2.5 | 4         |
| 142 | Neutron configurations in $\text{Pd}113$ . Physical Review C, 2014, 90, .   | 2.9 | 4         |
| 143 | Fission yield measurements at IGISOL. EPJ Web of Conferences, 2016, 122, 01008.   | 0.3 | 4         |
| 144 | Measurements of isomeric yield ratios of fission products from proton-induced fission on natU and $^{232}\text{Th}$ via direct ion counting. EPJ Web of Conferences, 2017, 146, 04054.  | 0.3 | 4         |

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