

Ellen Helen Ulrika Jakobsson

List of Publications by Year in descending order

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Version: 2024-02-01

136
papers

1,338
citations

430874

18
h-index

580821

25
g-index

138
all docs

138
docs citations

138
times ranked

757
citing authors

#	ARTICLE	IF	CITATIONS
1	Isomeric α -decay $\langle \mathbb{N} \rangle = 13$ and $\langle \mathbb{N} \rangle = 2$ Lifetime measurements in the even-even α -decay $\langle \mathbb{N} \rangle = 102$ and $\langle \mathbb{N} \rangle = 108$ isotopes. Physical Review C, 2021, 104, .	2.9	1
2	Single-particle and collective excitations in the transitional nucleus ^{166}Os . Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125101.	2.9	12
3	First observation of high-K isomeric states in ^{249}Md and ^{251}Md . European Physical Journal A, 2021, 57, 1.	3.6	0
4	Stability of the heaviest elements: K isomer in No250. Physical Review C, 2020, 101, .	2.5	3
5	In-beam α -ray and electron spectroscopy of $^{249,251}\text{Md}$. Physical Review C, 2020, 102, .	2.9	14
6	Exploring the boundaries of the nuclear landscape: α -decay properties of ^{211}Pa . Physical Review C, 2020, 102, .	2.9	6
7	Pairing-quadrupole interplay in the neutron-deficient tin nuclei: First lifetime measurements of low-lying states in $^{106,108}\text{Sn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135474.	2.9	12
8	Pairing-quadrupole interplay in the neutron-deficient tin nuclei: First lifetime measurements of low-lying states in $^{106,108}\text{Sn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135474.	4.1	16
9	Study of excited states and observation of collective level structures in the odd-odd nucleus ^{194}Bi . European Physical Journal A, 2020, 56, 1.	2.5	2
10	Population of a low-spin positive-parity band from high-spin intruder states in ^{177}Au : The two-state mixing effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135488.	4.1	7
11	Isomeric $13/2^+$ state in ^{201}Fr . Physical Review C, 2020, 101, .	2.9	3
12	Evidence for octupole collectivity in ^{172}Pt . European Physical Journal A, 2020, 56, 1.	2.5	0
13	Preparation and in vivo evaluation of red blood cell membrane coated porous silicon nanoparticles implanted with ^{155}Tb . Nuclear Medicine and Biology, 2020, 84-85, 102-110.	0.6	9
14	Lifetimes of core-excited states in semi-magic ^{95}Rh . European Physical Journal A, 2020, 56, 1.	2.5	2
15	High-spin states of ^{218}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
16	α -decay spectroscopy of the N=130 isotones ^{218}Ra and ^{220}Th : Mitigation of α -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
17	α and β bands in N=88, 90, and 92 isotones investigated with a five-dimensional collective Hamiltonian based on covariant density functional theory: Vibrations, shape coexistence, and superdeformation. Physical Review C, 2019, 100, .	2.9	10
18	Porous Silicon as a Platform for Radiation Theranostics Together with a Novel RIB-Based Radiolanthanoid. Contrast Media and Molecular Imaging, 2019, 2019, 1-9.	0.8	11

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19	Shape coexistence in Hg178. Physical Review C, 2019, 99, .	2.9	9
20	Confirming band assignments in 167ytterbium with gamma-gamma-electron triple-coincidence spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	18
21	Low-lying electromagnetic transition strengths in ^{180}Pt . Physical Review C, 2018, 97, .	2.9	6
22	Prompt and delayed spectroscopy of ^{203}At : Observation of a shears band and a ^{203}At isomeric state. Physical Review C, 2018, 97, .	2.9	7
23	M1 and E2 transition rates from core-excited states in semi-magic ^{94}Ru . European Physical Journal A, 2018, 54, 1.	2.5	5
24	Decay of a ^{196}Lu isomeric state in Lu156. Physical Review C, 2018, 98, .	2.9	2
25	Collectivity in $^{196,198}\text{Pb}$ isotopes probed in Coulomb-excitation experiments at REX-ISOLDE. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 064009.	3.6	3
26	Spectroscopy at the two-proton drip line: Excited states in ^{158}W . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 703-707.	4.1	6
27	Reduced transition probabilities along the yrast line in ^{166}W . Physical Review C, 2017, 96, .	2.9	18
28	Spin-dependent evolution of collectivity in ^{112}Te . Physical Review C, 2017, 96, .	2.9	8
29	Experimental study of isomeric intruder 12^+ states in ^{203}At . Physical Review C, 2017, 95, .	2.9	7
30	Lifetime measurements of excited states in ^{162}W and ^{162}Yb . Physical Review C, 2017, 96, .	2.9	5
31	Detailed spectroscopy of ^{195}Bi . Physical Review C, 2017, 96, .	2.9	8
32	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
33	Decay spectroscopy of ^{217}Fr and evidence for a $9/2^+$ intruder state in ^{217}Fr . Physical Review C, 2017, 96, .	2.9	3
34	Study of Quadrupole Correlations in $N=Z=50$ Region via Lifetime Measurements. Acta Physica Polonica B, 2017, 48, 331.	0.8	3
35	Collective $2^+ \rightarrow 1^+$ excitations in ^{206}Po and $^{208,210}\text{Rn}$. European Physical Journal A, 2016, 52, 1.	2.5	8
36	Direct observation of the ^{114}Ba $2^+ \rightarrow 1^+$ transition and ^{110}Te $2^+ \rightarrow 1^+$ transition. Physical Review C, 2016, 93, .	2.9	22

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37	Excited states in the proton-unbound nuclide ^{158}Ta . Physical Review C, 2016, 93, .	2.9	4
38	Lifetime measurements in ^{166}Re : Collective versus magnetic rotation. Physical Review C, 2016, 93, .	2.9	2
39	Spectroscopy of ^{162}W and ^{162}Kr . Physical Review C, 2016, 94, .	2.9	8
40	Confirmation of the new isotope ^{170}Kr and isospin symmetry in the shell nuclei. Physical Review C, 2016, 94, .	2.9	9
41	Confirmation of the new isotope ^{178}Pb . Physical Review C, 2016, 94, .	2.9	12
42	Identification of the $1\hat{\alpha}^+$ state in ^{218}Ra populated via α decay of ^{222}Th . Physical Review C, 2016, 94, .	2.9	5
43	Excited states and reduced transition probabilities in ^{168}Os . Physical Review C, 2016, 94, .	2.9	24
44	Study of Intermediate-spin States of ^{98}Y . Acta Physica Polonica B, 2016, 47, 911.	0.8	2
45	First identification of rotational band structures in ^{175}Re . Physical Review C, 2015, 92, .	2.9	3
46	Recoil-decay tagging spectroscopy of ^{162}W . Physical Review C, 2015, 92, .	2.9	6
47	Search for the terminating $2\hat{\alpha}^+$ state in ^{140}Nd . Physical Review C, 2015, 92, .	2.9	3
48	Identification of a dipole band above the $31/2\hat{\alpha}^+$ isomeric state in ^{189}Pb . Physical Review C, 2015, 92, .	2.9	4
49	Lifetime measurement of the first excited 2^+ state in ^{112}Te . Physical Review C, 2015, 91, .	2.9	20
50	Collectivity in the light radon nuclei measured directly via Coulomb excitation. Physical Review C, 2015, 91, .	2.9	8
51	Detailed spectroscopy of ^{193}Bi . Physical Review C, 2015, 92, .	2.9	15
52	Deformation and mixing of coexisting shapes in neutron-deficient polonium isotopes. Physical Review C, 2015, 92, .	2.9	25
53	Spectroscopy of low-lying states in neutron-deficient astatine and francium nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
54	Shapes and Collectivity in Neutron Deficient Even-Mass $^{188-198}\text{Pb}$ Isotopes. , 2015, , .		2

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55	Oblately deformed isomeric proton-emitting state in ^{151}Lu . Physical Spectroscopy of ^{151}Lu . Physical Review C, 2014, 90, .	2.9	14
56	^{201}At including the observation of a shears band and the ^{29}Re . Physical Review C, 2014, 89, .	2.9	15
57	^{163}Re and ^{165}Re . Physical Review C, 2014, 89, .	2.9	6
58	First observation of superdeformed states in ^{191}Bi . European Physical Journal A, 2015, 51, 1.	2.5	7
59	Spectroscopy of Very Heavy Elements at and Beyond the Limits. , 2015, , .		0
60	Investigation into the Effects of Deformation on Proton Emission Rates via Lifetime Measurements. , 2015, , .		0
61	Spectroscopy of ^{161}Hf from low to high spin. Physical Review C, 2014, 90, .	2.9	2
62	Quasiparticle alignments and \pm -decay fine structure of ^{175}Pt . Physical Review C, 2014, 89, .	2.9	3
63	Experimental study of ^{199}Au . Physical Review C, 2014, 89, .	2.9	14
64	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	17
65	of the ^{199}Au . Physical Review C, 2014, 89, .	2.9	14
66	Experimental investigation of the ^{199}Au . Physical Review C, 2014, 89, .	4.1	13
67	band in ^{154}Sm . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	0.3	2
68	Spectroscopy of ^{193}Bi . EPJ Web of Conferences, 2014, 66, 02047.		
69	Proton emission from an oblate nucleus ^{151}Lu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	4.1	25
70	High-spin spectroscopy of ^{140}Nd . Physical Review C, 2013, 88, .	2.9	15
71	Isomer-tagged differential-plunger measurements in ^{54}Xe . Physical Review C, 2013, 87, .	2.9	9
72	A new differentially pumped plunger device to measure excited-state lifetimes in proton emitting nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 707, 143-148.	1.6	27
73	Identification of new transitions feeding the high-spin isomers in ^{139}Nd and ^{140}Nd nuclei. Physical Review C, 2013, 87, .	2.9	18

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73	β -ray and decay spectroscopy of ^{194}Fr and ^{195}Fr . Physical Review C, 2013, 88.	2.9	17
74	Spectroscopy of the proton drip-line nucleus ^{203}Fr . Physical Review C, 2013, 87, .	2.9	28
75	β -decay studies of the francium isotopes ^{198}Fr and ^{199}Fr . Physical Review C, 2013, 87, .	2.9	29
76	Recoil- β tagging study of the $N=Z$ nucleus ^{66}As . Physical Review C, 2013, 88, .	2.9	16
77	Spectroscopy of proton-rich ^{66}Se to ^{66}Se to ^{66}Se . Physical Review C, 2013, 88.	2.9	13
78	Competing single-particle and collective states in the low-energy structure of ^{113}I . Physical Review C, 2013, 88, .	2.9	3
79	in the $N < 88$ nuclei. Physical Review C, 2013, 88.	2.9	24
80	Enhancing the sensitivity of recoil-beta tagging. Journal of Instrumentation, 2013, 8, P04025-P04025.	1.2	10
81	First prompt in-beam β -ray spectroscopy of a superheavy element: the ^{256}Rf . Journal of Physics: Conference Series, 2013, 420, 012010.	0.4	0
82	Transition probability studies in ^{175}Au . Journal of Physics: Conference Series, 2013, 420, 012047.	0.4	2
83	Prompt gamma ray-spectroscopy of $N=50$ fission fragments. EPJ Web of Conferences, 2013, 62, 01005.	0.3	6
84	Coulomb excitation of re-accelerated ^{208}Rn and ^{206}Po beams. EPJ Web of Conferences, 2013, 63, 01009.	0.3	5
85	Prompt β -ray spectroscopy of the neutron-rich ^{124}Cd . EPJ Web of Conferences, 2013, 62, 01004.	0.3	4
86	A NEW PLUNGER DEVICE FOR INVESTIGATING THE EFFECTS OF DEFORMATION ON PROTON EMISSION RATES VIA LIFETIME MEASUREMENTS. , 2013, , .		0
87	Recoil-decay tagging study of ^{205}Fr . Physical Review C, 2012, 85, .	2.9	21
88	Shell-Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the $Z=104$ Nucleus. Physical Review Letters, 2012, 109, 012501.	7.8	59
89	$X(5)$ critical-point symmetries in ^{138}Gd . Journal of Physics: Conference Series, 2012, 381, 012062.	0.4	2
90	Investigation of high-K states in ^{252}No . Physical Review C, 2012, 86, .	2.9	28

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91	First observation of excited states of ^{173}Hg . Physical Review C, 2012, 85, .	2.9	5
92	In-beam spectroscopy with intense ion beams: Evidence for a rotational structure in ^{246}Fm . Physical Review C, 2012, 85, .	2.9	17
93	Electromagnetic transition strengths in ^{109}Te . Physical Review C, 2012, 85, .	2.9	11
94	Characterizing the atomic mass surface beyond the proton drip line via ^{109}Te . Physical Review C, 2012, 85, .	2.9	9
95	β -decay measurements of the ^{132}Pr isomer. Journal of Physics: Conference Series, 2012, 381, 012126.	0.4	0
96	The isomeric structure of ^{132}Pr . Journal of Physics: Conference Series, 2012, 381, 012126.	0.4	0
97	Identification of isomeric states in the $N=73$ neutron-deficient nuclei ^{132}Pr and ^{130}La . Physical Review C, 2012, 86, .	2.9	5
98	Determination of β -decay branching ratios for $^{178, 179}\text{Hg}$. European Physical Journal A, 2012, 48, 1.	2.5	5
99	Comparison of gamma-ray coincidence and low-background gamma-ray singles spectrometry. Applied Radiation and Isotopes, 2012, 70, 392-396.	1.5	6
100	A new recoil distance technique using low energy coulomb excitation in inverse kinematics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 196-205.	1.6	14
101	Anomalous transition strength in the proton-unbound nucleus ^{109}Te . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 118-122.	4.1	22
102	Shape coexistence in odd-mass Au isotopes: Determination of the excitation energy of the lowest intruder state in ^{179}Au . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 82-87.	4.1	18
103	A Recoil-Beta Tagging Study of ^{66}As . , 2011, , .		0
104	Probing the Collective Degrees of Freedom at the Proton Drip Line in the Extremely Neutron Deficient ^{172}Hg . , 2011, , .		0
105	Lifetime measurement in the proton-unbound nucleus ^{109}Te . , 2011, , .		3
106	Delayed and In-beam Spectroscopy on Francium and Astatine Nuclei at the Proton Drip Line. , 2011, , .		1
107	Discovery of a ^{109}Te isomeric state in ^{109}Te . Physical Review C, 2011, 83, .	2.9	5
108	^{109}Te four-quasiparticle states in ^{109}Te . Physical Review C, 2011, 83, .	2.9	7
109	Lifetime measurements probing triple shape coexistence in ^{175}Au . Physical Review C, 2011, 84, .	2.9	9

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109	Continued in-beam electron and γ -ray spectroscopy of ^{138}Gd . Physical Review C, 2011, 84, .	2.9	29
110	Lifetime measurements in the transitional nucleus ^{186}Yb . Physical Review C, 2011, 84, .	2.9	4
111	γ -ray spectroscopy of the ^{159}W and ^{161}Os isotopes. Physical Review C, 2010, 82, .	4.1	6
112	Investigation of ^{246}Fm : in-beam spectroscopy at the limits. , 2011, , .		0
113	Nuclear Structure at the Extremes; In-beam γ -ray Spectroscopy of ^{180}Pb . , 2011, , .		0
114	New developments on the recoil distance doppler-shift method. Journal of Physics: Conference Series, 2010, 205, 012043.	0.4	3
115	Isomer-tagged differential-plunger measurements in proton-unbound ^{144}Ho . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 17-20.	4.1	6
116	Discovery of ^{157}W and ^{161}Os . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 15-18.	4.1	21
117	Prompt and delayed spectroscopy of ^{199}At . Physical Review C, 2010, 82, .	2.9	17
118	Spectroscopic information about a hypothetical tetrahedral configuration in ^{156}Gd . Physical Review C, 2010, 82, .	2.9	11
119	Isomers and shape coexistence in ^{144}Dy . Physical Review C, 2010, 82, .	2.9	7
120	Spectroscopy of ^{144}Ho using shape coexistence at the proton drip line. Physical Review C, 2010, 82, .	2.9	9
121	Identification of excited states in ^{180}Pb . Physical Review C, 2010, 82, .	2.9	28
122	K Isomer in ^{252}No . , 2010, , .		0
123	Spectroscopy of the neutron-deficient nucleus ^{167}Os . Physical Review C, 2009, 80, .	2.9	6
124	Collectivity of ^{196}Po at low spin. Physical Review C, 2009, 80, .	2.9	15
125	^{208}Pm isomeric state in doubly odd $^{61134}\text{Pm}$. Physical Review C, 2009, 80, .	2.9	7
126	First observation of excited states in ^{172}Hg . Physical Review C, 2009, 79, .	2.9	14

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127	Prompt and delayed spectroscopy of Tb^{142} using recoil-isomer tagging. Physical Review C, 2009, 79, . Identification of \hat{I}^{\pm} rays from Au^{172} and Lr^{250} .	2.9	10
128	First observation of excited states in $Rn^{197,199,201}$. Physical Review C, 2008, 78, .	2.9	11
129	Ray Spectroscopy at the Limits: First Observation of Rotational Bands in Lr^{250} .	7.8	34
130	First observation of excited states in $Hg^{175,176}$ and Po^{195} . Physical Review C, 2009, 79, .	2.9	15
131	Lifetime measurement in ^{195}Po . European Physical Journal A, 2009, 39, 291-294.	2.5	5
132	-Decay branching ratios measured by \hat{I}^{\pm} -ray tagging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 597, 189-191.	1.6	6
133	The new vacuum-mode recoil separator MARA at JYFL. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4196-4200.	1.4	24
134	Spectroscopy of Very Heavy Elements. AIP Conference Proceedings, 2008, , .	0.4	0
135	\hat{I}^{\pm} -ray spectroscopy of At^{210} . Physical Review C, 2008, 78, .	2.9	15
136	Excited states in the neutron-deficient nuclei $Rn^{197,199,201}$. Physical Review C, 2008, 77, .	2.9	10