

Ellen Helen Ulrika Jakobsson

List of Publications by Year in descending order

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136
papers

1,338
citations

430874

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138
docs citations

138
times ranked

757
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the $Z=104$ Nucleus Physical Review Letters, 2009, 102, 212501.	7.8	59
2	Rotational Bands in $Z=113$ -Ray Spectroscopy at the Limits: First Observation of Physical Review Letters, 2009, 102, 212501.	7.8	34
3	of $Z=113$ -ray spectroscopy Physical Review Letters, 2009, 102, 212501.	2.9	29
4	decay studies of the francium isotopes $Z=113$ Physical Review Letters, 2009, 102, 212501.	2.9	29
5	Shape coexistence at the proton drip-line: First identification of excited states in $Z=113$ Physical Review C, 2010, 82, .	2.9	28
6	Investigation of high-Kstates in $Z=113$. Physical Review C, 2012, 86, .	2.9	28
7	Spectroscopy of the proton drip-line nucleus $Z=113$ Physical Review C, 2013, 87, .	2.9	28
8	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
9	Proton emission from an oblate nucleus $Z=113$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	4.1	25
10	Deformation and mixing of coexisting shapes in neutron-deficient polonium isotopes. Physical Review C, 2015, 92, .	2.9	25
11	The new vacuum-mode recoil separator MARA at JYFL. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4196-4200.	1.4	24
12	Octupole correlations in the structure of $Z=113$ nuclei Physical Review C, 2016, 94, .	2.9	24
13	Excited states and reduced transition probabilities in $Z=113$ Physical Review C, 2016, 94, .	2.9	24
14	Anomalous transition strength in the proton-unbound nucleus $Z=113$ Physical Review C, 2016, 94, .	4.1	22
15	Physical Review Letters, 2014, 112, 112010.	2.9	22
16	Discovery of $Z=113$ and $Z=114$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 15-18.	4.1	21
17	Recoil-decay tagging study of $Z=113$. Physical Review C, 2012, 85, .	2.9	21
18	Lifetime measurement of the first excited $Z=113$ Physical Review C, 2015, 91, .	2.9	20

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19	Shape coexistence in odd-mass Au isotopes: Determination of the excitation energy of the lowest intruder state in 179Au. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 82-87.	4.1	18
20	Identification of new transitions feeding the high-spin isomers in 139Nd and 140Nd nuclei. Physical Review C, 2013, 87, .	2.9	18
21	Reduced transition probabilities along the yrast line in ^{166}W . Physical Review C, 2017, 96, .	2.9	18
22	Confirming band assignments in 167ytterbium with gamma-gamma-electron triple-coincidence spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	18
23	Prompt and delayed spectroscopy of At199. Physical Review C, 2010, 82, .	2.9	17
24	In-beam spectroscopy with intense ion beams: Evidence for a rotational structure in ^{246}Fm . Physical Review C, 2012, 85, .	2.9	17
25	^{193}Po -ray and decay spectroscopy of ^{194}Po , ^{195}Po , and ^{196}Po . Physical Review C, 2013, 88, .	2.9	17
26	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	17
27	Recoil- ^{12}C tagging study of the $N=Z$ nucleus ^{66}As . Physical Review C, 2013, 88, .	2.9	16
28	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
29	^{197}At -ray spectroscopy of ^{197}At . Physical Review C, 2008, 78, .	2.9	15
30	Collectivity of ^{196}Po at low spin. Physical Review C, 2009, 80, .	2.9	15
31	^{175}Hg spectroscopy of ^{175}Hg . Physical Review C, 2009, 80, .	2.9	15
32	High-spin spectroscopy of ^{140}Nd . Physical Review C, 2013, 88, .	2.9	15
33	Detailed spectroscopy of ^{193}Bi . Physical Review C, 2015, 92, .	2.9	15
34	^{201}At spectroscopy including the observation of a shears band and the first observation of excited states in ^{201}At . Physical Review C, 2009, 79, .	2.9	15
35	^{172}Hg spectroscopy of ^{172}Hg . Physical Review C, 2009, 79, .	2.9	14
36	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

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37	Experimental study of ^{139}La β -decay of the ^{139}La isotope. Physical Review C, 2014, 89, .	2.9	14
38	Oblately deformed isomeric proton-emitting state in ^{139}La . Physical Review C, 2014, 89, .	2.9	14
39	Stability of the heaviest elements: K isomer in No250. Physical Review C, 2015, 91, .	2.9	14
40	Stability of the heaviest elements: K isomer in No250. Physical Review C, 2020, 101, .	2.9	14
41	Ray spectroscopy of the ^{85}Kr isotope. Spectroscopy of proton-rich ^{66}Se up to ^{66}Se isospin-breaking effect in the ^{66}Se band in ^{66}Se . Physical Review C, 2013, 88, .	4.1	13
42	Confirmation of the new isotope ^{178}Pb . Physical Review C, 2016, 94, .	2.9	12
43	Exploring the boundaries of the nuclear landscape: ^{178}Pb -decay properties of ^{211}Pa . Physical Review C, 2020, 102, .	2.9	12
44	Lifetime measurements in the even-even ^{102}Cd and ^{108}Cd displays. Physical Review C, 2020, 101, .	2.9	12
45	Excited states in the neutron-deficient nuclei ^{197}Rn , ^{199}Rn , ^{201}Rn . Physical Review C, 2008, 77, .	2.9	11
46	Prompt and delayed spectroscopy of ^{142}Tb using recoil-isomer tagging. Physical Review C, 2009, 79, .	2.9	11
47	Enhancing the sensitivity of recoil-beta tagging. Journal of Instrumentation, 2013, 8, P04025-P04025.	1.2	10
48	\hat{I}^2 and \hat{I}^3 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

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55	Spectroscopy of ^{144}Ho using recoil isomer tagging. Physical Review C, 2010, 81, .	2.9	9
56	Lifetime measurements probing triple shape coexistence in ^{175}Au . Physical Review C, 2011, 84, .	2.9	9
57	Characterizing the atomic mass surface beyond the proton drip line via $^{\pm}\text{I}$ -decay measurements of the $^{\pm}\text{I}$. Physical Review C, 2013, 87, .	2.9	9
58	Isomer-tagged differential-plunger measurements in ^{113}Xe . Physical Review C, 2013, 87, .	2.9	9
59	Isospin symmetry in the ^{70}Kr and ^{70}Kr shell nuclei. Physical Review C, 2016, 94, .	2.9	9
60	Shape coexistence in ^{178}Hg . Physical Review C, 2019, 99, .	2.9	9
61	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
62	Collectivity in the light radon nuclei measured directly via Coulomb excitation. Physical Review C, 2015, 91, .	2.9	8
63	Collective $2+1$ excitations in ^{206}Po and $^{208,210}\text{Rn}$. European Physical Journal A, 2016, 52, 1.	2.5	8
64	Evolving collective structures in the transitional nuclei ^{162}W and ^{162}W . Physical Review C, 2017, 95, .	2.9	8
65	Spin-dependent evolution of collectivity in ^{112}Te . Physical Review C, 2017, 96, .	2.9	8
66	Detailed spectroscopy of ^{195}Bi . Physical Review C, 2017, 96, .	2.9	8
67	^{209}Pm isomeric state in doubly odd $^{61134}\text{Pm}$. Physical Review C, 2009, 80, .	2.9	7
68	Lifetime measurements and shape coexistence in ^{203}Dy . Physical Review C, 2010, 81, .	2.9	7
69	Four-quasiparticle states in ^{138}Gd . Physical Review C, 2011, 83, .	2.9	7
70	First observation of superdeformed states in ^{191}Bi . European Physical Journal A, 2015, 51, 1.	2.5	7
71	Experimental study of isomeric intruder $12+$ states in $^{197,203}\text{At}$. Physical Review C, 2017, 95, .	2.9	7
72	Prompt and delayed spectroscopy of ^{203}At : Observation of a shears band and a $29\text{-}\mu\text{s}$ isomeric state. Physical Review C, 2018, 97, .	2.9	7

#	ARTICLE	IF	CITATIONS
73	Population of a low-spin positive-parity band from high-spin intruder states in ^{177}Au : The two-state mixing effect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 806, 135488.	4.1	7
74	Decay branching ratios measured by \hat{I}_{\pm} -ray tagging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Instrumentation</i> , 2018, 876, 162-167.	1.6	6
75	Os- γ correlation. <i>Physical Review C</i> , 2009, 79, 044307.	2.9	6
76	Isomer-tagged differential-plunger measurements in proton-unbound ^{144}Ho . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 683, 17-20.	4.1	6
77	Comparison of gamma-ray coincidence and low-background gamma-ray singles spectrometry. <i>Applied Radiation and Isotopes</i> , 2012, 70, 392-396.	1.5	6
78	Prompt gamma ray-spectroscopy of $N=50$ fission fragments. <i>EPJ Web of Conferences</i> , 2013, 62, 01005.	0.3	6
79	Recoil-decay tagging spectroscopy of ^{74}W . <i>Physical Review C</i> , 2015, 92, 044307.	2.9	6
80	Collective excitations in the transitional nuclei ^{163}Re and ^{165}Re . <i>Physical Review C</i> , 2017, 95, 044307.	2.9	6
81	Spectroscopy at the two-proton drip line: Excited states in ^{158}W . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 703-707.	4.1	6
82	Low-lying electromagnetic transition strengths in ^{180}Pt . <i>Physical Review C</i> , 2018, 97, 044307.	2.9	6
83	In-beam \hat{I}_{\pm} -ray and electron spectroscopy of ^{249}Md . <i>Physical Review C</i> , 2020, 102, 044307.	2.9	6
84	Lifetime measurement in ^{195}Po . <i>European Physical Journal A</i> , 2009, 39, 291-294.	2.5	5
85	Discovery of a ^{104}Po isomeric state in ^{104}Po . <i>Physical Review C</i> , 2019, 100, 044307.	2.9	5
86	First observation of excited states of ^{173}Hg . <i>Physical Review C</i> , 2012, 85, 044307.	2.9	5
87	Identification of isomeric states in the $N=73$ neutron-deficient nuclei ^{132}Pr and ^{130}La . <i>Physical Review C</i> , 2012, 86, 044307.	2.9	5
88	Determination of \hat{I}_{\pm} -decay branching ratios for ^{178}Hg , ^{179}Hg . <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	5
89	Coulomb excitation of re-accelerated ^{208}Rn and ^{206}Po beams. <i>EPJ Web of Conferences</i> , 2013, 63, 01009.	0.3	5
90	Identification of the $^{16}\text{I}^{-}$ state in ^{218}Ra populated via \hat{I}_{\pm} -decay of ^{222}Th . <i>Physical Review C</i> , 2016, 94, 044307.	2.9	5

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91	measurements of excited states in ^{162}W and ^{164}W and ^{162}Yb and ^{164}Yb	2.9	5
92	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
93	M1 and E2 transition rates from core-excited states in semi-magic ^{94}Ru . European Physical Journal A, 2018, 54, 1.	2.5	5
94	\hat{I}_{\pm} -decay spectroscopy of the N=130 isotones Ra218 and Th220 : Mitigation of \hat{I}_{\pm} -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
95	Lifetime measurements in the transitional nucleus ^{138}Gd . Physical Review C, 2011, 84, .	2.9	4
96	Prompt γ -ray spectroscopy of the neutron-rich ^{124}Cd . EPJ Web of Conferences, 2013, 62, 01004.	0.3	4
97	Identification of a dipole band above the $\epsilon=31/2^+$ isomeric state in ^{189}Pb . Physical Review C, 2015, 92, .	2.9	4
98	Excited states in the proton-unbound nuclide ^{158}Ta . Physical Review C, 2016, 93, .	2.9	4
99	New developments on the recoil distance doppler-shift method. Journal of Physics: Conference Series, 2010, 205, 012043.	0.4	3
100	Lifetime measurement in the proton-unbound nucleus ^{109}I . , 2011, , .		3
101	Competing single-particle and collective states in the low-energy structure of ^{113}I . Physical Review C, 2013, 88, .	2.9	3
102	Quasiparticle alignments and \hat{I}_{\pm} -decay fine structure of ^{175}Pt . Physical Review C, 2014, 89, .	2.9	3
103	First identification of rotational band structures in ^{175}Re . Physical Review C, 2015, 92, .	2.9	3
104	Search for the terminating 27^+ state in ^{140}Nd . Physical Review C, 2015, 92, .	2.9	3
105	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
106	Decay spectroscopy of ^{182}Pb and evidence for a $9/2^+$ intruder state in ^{181}Tl . Physical Review C, 2017, 96, .	2.9	3
107	Isomeric $13/2^+$ state in ^{201}Fr . Physical Review C, 2020, 101, .	2.9	3
108	Study of Quadrupole Correlations in $N=Z=50$ Region via Lifetime Measurements. Acta Physica Polonica B, 2017, 48, 331.	0.8	3

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109	First observation of high-K isomeric states in ^{249}Md and ^{251}Md . European Physical Journal A, 2021, 57, 1.	2.5	3
110	X(5) critical-point symmetries in ^{138}Gd . Journal of Physics: Conference Series, 2012, 381, 012062.	0.4	2
111	Transition probability studies in ^{175}Au . Journal of Physics: Conference Series, 2013, 420, 012047.	0.4	2
112	Spectroscopy of ^{161}Hf from low to high spin. Physical Review C, 2014, 90, .	2.9	2
113	Spectroscopy of ^{193}Bi . EPJ Web of Conferences, 2014, 66, 02047.	0.3	2
114	Shapes and Collectivity in Neutron Deficient Even-Mass ^{188}Pb Isotopes. , 2015, , .		2
115	Lifetime measurements in ^{166}Re : Collective versus magnetic rotation. Physical Review C, 2016, 93, .	2.9	2
116	Decay of a $^{19\text{a}}$ isomeric state in ^{156}Lu . Physical Review C, 2018, 98, .	2.9	2
117	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
118	Lifetimes of core-excited states in semi-magic ^{95}Rh . European Physical Journal A, 2020, 56, 1.	2.5	2
119	Study of Intermediate-spin States of ^{98}Y . Acta Physica Polonica B, 2016, 47, 911.	0.8	2
120	High-spin states of ^{218}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
121	Delayed and In-beam Spectroscopy on Francium and Astatine Nuclei at the Proton Drip Line. , 2011, , .		1
122	Isomeric $^{13}\text{C}^{2-}$ stat. Physical Review C, 2021, 103, .	2.9	1
123	Spectroscopy of Very Heavy Elements. AIP Conference Proceedings, 2008, , .	0.4	0
124	K Isomer in ^{252}No . , 2010, , .		0
125	A Recoil-Beta Tagging Study of ^{66}As . , 2011, , .		0
126	Probing the Collective Degrees of Freedom at the Proton Drip Line in the Extremely Neutron Deficient ^{172}Hg . , 2011, , .		0

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127	Investigation of [²⁴⁶ Fm : in-beam spectroscopy at the limits. , 2011, , .		0
128	Nuclear Structure at the Extremes; In-beam $\hat{3}$ -ray Spectroscopy of [¹⁸⁰ Pb. , 2011, , .		0
129	The isomeric structure of ¹³² Pr. Journal of Physics: Conference Series, 2012, 381, 012126.	0.4	0
130	First prompt in-beam $\hat{3}$ -ray spectroscopy of a superheavy element: the ²⁵⁶ Rf. Journal of Physics: Conference Series, 2013, 420, 012010.	0.4	0
131	Spectroscopy of low-lying states in neutron-deficient astatine and francium nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
132	Evidence for octupole collectivity in ^{172}Pt . European Physical Journal A, 2020, 56, 1.	2.5	0
133	Single-particle and collective excitations in the transitional nucleus ¹⁶⁶ O. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125101.	3.6	0
134	A NEW PLUNGER DEVICE FOR INVESTIGATING THE EFFECTS OF DEFORMATION ON PROTON EMISSION RATES VIA LIFETIME MEASUREMENTS. , 2013, , .		0
135	Spectroscopy of Very Heavy Elements at and Beyond the Limits. , 2015, , .		0
136	Investigation into the Effects of Deformation on Proton Emission Rates via Lifetime Measurements. , 2015, , .		0