

# Andrej Herzig

## List of Publications by Year in descending order

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84  
papers

944  
citations

623734

14  
h-index

526287

27  
g-index

86  
all docs

86  
docs citations

86  
times ranked

762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of pear-shaped nuclei using accelerated radioactive beams. Nature, 2013, 497, 199-204.	27.8	268
2	Shell-Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the $Z=104$ Nucleus	7.8	59
3	Lifetime measurement of the first excited state of $^{203}\text{Po}$	2.9	29
4	Lifetime measurement of the first excited state in $^{108}\text{Te}$	2.9	29
5	Proton emission from an oblate nucleus $^{151}\text{Lu}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	4.1	25
6	Lifetime measurement of the first excited state in $^{112}\text{Te}$	2.9	20
7	Towards saturation of the electron-capture delayed fission probability: The new isotopes $^{240}\text{Es}$ and $^{236}\text{Bk}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 265-270.	4.1	19
8	Reduced transition probabilities along the yrast line in $^{166}\text{W}$	2.9	18
9	Confirming band assignments in $^{167}\text{Yb}$ with gamma-gamma-electron triple-coincidence spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	18
10	In-beam spectroscopy with intense ion beams: Evidence for a rotational structure in $^{246}\text{Fm}$	2.9	17
11	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	17
12	Evolution from $^{136}\text{Nd}$ -soft to stable triaxiality in $^{136}\text{Nd}$ as a prerequisite of spectroscopy studies of the new nuclei	2.9	16
13	Spectroscopy studies of the new nuclei $^{165}\text{Pt}$ and $^{165}\text{Hg}$	2.9	16
14	Detailed spectroscopy of $^{193}\text{Bi}$	2.9	15
15	Experimental study of $^{201}\text{At}$ including the observation of $^{201}\text{At}$ and the $^{201}\text{At}$ $\alpha$ -decay	2.9	15
16	Observation of $^{199}\text{At}$ and the $^{199}\text{At}$ $\alpha$ -decay	2.9	14
17	Oblately deformed isomeric proton-emitting state in $^{151}\text{Lu}$	2.9	14
18	Oblately deformed isomeric proton-emitting state in $^{151}\text{Lu}$	2.9	14

#	ARTICLE	IF	CITATIONS
19	Stability of the heaviest elements: K isomer in No250. Physical Review C, 2020, 101, .	2.9	14
20	Spectroscopy of proton-rich $^{66}\text{Se}$ up to $J^\pi = 11^-$ . Physical Review C, 2013, 88, .	2.9	13
21	Isospin-breaking effect in the Nanosecond-Scale Proton Emission from Strongly Oblate-Deformed band in $^{111}\text{Bi}$ . Physical Review C, 2013, 88, .	4.1	13
22	Confirmation of the new isotope $^{149}\text{Lu}$ . Physical Review Letters, Section B: Nuclear, 2022, 128, 112501.	7.8	13
23	Confirmation of the new isotope $^{178}\text{Pb}$ . Physical Review C, 2016, 94, .	2.9	12
24	Exploring the boundaries of the nuclear landscape: $^{211}\text{Pa}$ $\beta$ -decay properties of $^{211}\text{Pa}$ . Physical Review C, 2020, 102, .	2.9	12
25	Enhancing the sensitivity of recoil-beta tagging. Journal of Instrumentation, 2013, 8, P04025-P04025.	1.2	10
26	Characterizing the atomic mass surface beyond the proton drip line via $^{211}\text{Pa}$ $\beta$ -decay measurements of the $^{211}\text{Pa}$ $\beta$ -decay. Physical Review C, 2020, 102, .	2.9	9
27	Isomer-tagged differential-plunger measurements in $^{54}\text{Xe}$ . Physical Review C, 2013, 87, .	2.9	9
28	De-excitation of the strongly coupled band in $^{177}\text{Au}$ and implications for core intruder configurations in the light Hg isotopes. Physical Review C, 2017, 95, .	2.9	9
29	Shape coexistence in $^{178}\text{Hg}$ . Physical Review C, 2019, 99, .	2.9	9
30	Collective $2^+ 1$ excitations in $^{206}\text{Po}$ and $^{208,210}\text{Rn}$ . European Physical Journal A, 2016, 52, 1.	2.5	8
31	Backbending in the pear-shaped $^{223}\text{Th}$ nucleus: Evidence of a high-spin octupole to quadrupole shape transition in the actinides. Physical Review C, 2017, 95, .	2.9	8
32	Spin-dependent evolution of collectivity in $^{112}\text{Te}$ . Physical Review C, 2017, 96, .	2.9	8
33	Detailed spectroscopy of $^{195}\text{Bi}$ . Physical Review C, 2017, 96, .	2.9	8
34	Production cross section and decay study of $^{243}\text{Es}$ and $^{249}\text{Md}$ . Physical Review C, 2019, 99, .	2.9	8
35	First observation of superdeformed states in $^{191}\text{Bi}$ . European Physical Journal A, 2015, 51, 1.	2.5	7
36	Experimental study of isomeric intruder $12^+$ states in $^{203}\text{At}$ . Physical Review C, 2017, 95, .	2.9	7

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37	Prompt and delayed spectroscopy of $^{203}\text{W}$ . Observation of a shears band and a $^{203}\text{W}$ $\gamma$ -ray. <i>Physical Review C</i> , 2013, 87, 014307.	2.9	7
38	Population of a low-spin positive-parity band from high-spin intruder states in $^{177}\text{Au}$ : The two-state mixing effect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 806, 135488.	4.1	7
39	Prompt gamma ray-spectroscopy of $N=50$ fission fragments. <i>EPJ Web of Conferences</i> , 2013, 62, 01005.	0.3	6
40	Recoil-decay tagging spectroscopy of $^{74}\text{W}$ . <i>Physical Review C</i> , 2015, 92, .	2.9	6
41	Spectroscopy at the two-proton drip line: Excited states in $^{158}\text{W}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 703-707.	4.1	6
42	In-beam $\hat{I}^3$ -ray and electron spectroscopy of $^{249}\text{Md}$ . <i>Physical Review C</i> , 2020, 102, .	2.9	6
43	First observation of excited states of $^{173}\text{Hg}$ . <i>Physical Review C</i> , 2012, 85, .	2.9	5
44	Identification of isomeric states in the $N=73$ neutron-deficient nuclei $^{132}\text{Pr}$ and $^{130}\text{La}$ . <i>Physical Review C</i> , 2012, 86, .	2.9	5
45	Coulomb excitation of re-accelerated $^{208}\text{Rn}$ and $^{206}\text{Po}$ beams. <i>EPJ Web of Conferences</i> , 2013, 63, 01009.	0.3	5
46	Identification of the $\hat{I}^3$ state in $^{218}\text{Ra}$ populated via $\hat{I}^3$ decay of $^{222}\text{Th}$ . <i>Physical Review C</i> , 2016, 94, .	2.9	5
47	Lifetime measurements of excited states in $^{162}\text{W}$ . <i>Physical Review C</i> , 2019, 100, .	2.9	5
48	Fine structure in the $\hat{I}^3$ decay of high-spin isomers in $^{155}\text{Lu}$ and $^{155}\text{Yb}$ . <i>Physical Review C</i> , 2019, 100, .	2.9	5
49	$\hat{I}^3$ -decay spectroscopy of the $N=130$ isotones $^{218}\text{Ra}$ and $^{220}\text{Th}$ : Mitigation of $\hat{I}^3$ -particle energy summing with implanted nuclei. <i>Physical Review C</i> , 2019, 100, .	2.9	5
50	Single-particle states and parity doublets in odd- $Z$ $^{221}\text{Ac}$ and $^{221}\text{Pa}$ . <i>Physical Review C</i> , 2019, 100, .	2.9	5
51	Prompt $\hat{I}^3$ -ray spectroscopy of the neutron-rich $^{124}\text{Cd}$ . <i>EPJ Web of Conferences</i> , 2013, 62, 01004.	0.3	4
52	Identification of a dipole band above the $\hat{I}^3$ isomeric state in $^{189}\text{Pb}$ . <i>Physical Review C</i> , 2015, 92, .	2.9	4
53	Excited states in the proton-unbound nuclide $^{158}\text{Ta}$ . <i>Physical Review C</i> , 2016, 93, .	2.9	4
54	Lifetime measurements of excited states in $^{163}\text{W}$ and the implications for the anomalous $B(E2)$ ratios in transitional nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 798, 134998.	4.1	4

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55	Competing single-particle and collective states in the low-energy structure of $^{113}\text{In}$ . Physical Review C, 2013, 88, .	2.9	3
56	First identification of rotational band structures in $^{175}\text{Re}$ . Physical Review C, 2015, 92, .	2.9	3
57	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
58	Decay spectroscopy of $^{182}\text{Pb}$ and evidence for a $9/2^+$ intruder state in $^{181}\text{Tl}$ . Physical Review C, 2017, 96, .	2.9	3
59	Isomeric $13/2^+$ state in $^{201}\text{Fr}$ . Physical Review C, 2020, 101, .	2.9	3
60	Identification of sub- $1/4^+$ isomeric states in the odd-odd nucleus $^{178}\text{Lu}$ . Physical Review C, 2021, 103, .	2.9	3
61	First observation of high-K isomeric states in $^{249}\text{Md}$ and $^{251}\text{Md}$ . European Physical Journal A, 2021, 57, 1.	2.5	3
62	Spectroscopy of $^{161}\text{Hf}$ from low to high spin. Physical Review C, 2014, 90, .	2.9	2
63	Spectroscopy of $^{193}\text{Bi}$ . EPJ Web of Conferences, 2014, 66, 02047.	0.3	2
64	Determination of the $B(E3, 0^+ \rightarrow 3^+)$ -excitation strength in octupole-correlated nuclei near $^{224}\text{Ac}$ by the means of Coulomb excitation at REX-ISOLDE. Journal of Physics: Conference Series, 2014, 533, 012007.	0.4	2
65	Shapes and Collectivity in Neutron Deficient Even-Mass $^{188-198}\text{Pb}$ Isotopes. , 2015, , .		2
66	Lifetime measurements in $^{166}\text{Re}$ : Collective versus magnetic rotation. Physical Review C, 2016, 93, .	2.9	2
67	Decay of a $19^+$ isomeric state in $^{156}\text{Lu}$ . Physical Review C, 2018, 98, .	2.9	2
68	Identification of a $6.6\frac{1}{4}\text{s}$ isomeric state in $^{175}\text{Ir}$ . Physical Review C, 2019, 99, .	2.9	2
69	A time-of-flight correction procedure for fast-timing data of recoils with varying implantation positions at a spectrometer focal plane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 933, 18-29.	1.6	2
70	Excited states in $^{217}\text{Ra}$ populated in the $1^+$ decay of $^{217}\text{Ac}$ .	2.9	2
71	Study of excited states and observation of collective level structures in the odd-odd nucleus $^{194}\text{Bi}$ . European Physical Journal A, 2020, 56, 1.	2.5	2
72	Study of Intermediate-spin States of $^{98}\text{Y}$ . Acta Physica Polonica B, 2016, 47, 911.	0.8	2

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73	High-spin states of $^{218}\text{Th}$ . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
74	In-beam spectroscopic study of $^{244}\text{Cf}$ . Physical Review C, 2018, 97, .	2.9	1
75	Isomeric $^{132}\text{La}$ . Physical Review C, 2021, 103, .	2.9	1
76	Investigation of $^{246}\text{Fm}$ : in-beam spectroscopy at the limits. , 2011, , .		0
77	First prompt in-beam $\gamma$ -ray spectroscopy of a superheavy element: the $^{256}\text{Rf}$ . Journal of Physics: Conference Series, 2013, 420, 012010.	0.4	0
78	Spectroscopy of low-lying states in neutron-deficient astatine and francium nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
79	Do nuclei go pear-shaped? Coulomb excitation of $^{220}\text{Rn}$ and $^{224}\text{Ra}$ at REX-ISOLDE (CERN). EPJ Web of Conferences, 2015, 93, 01038.	0.3	0
80	Fine structure in the $\beta$ decay of $^{156}\text{Lu}$ and $^{158}\text{Ta}$ . Physical Review C, 2019, 99, .	2.9	0
81	Automated method for offline correction of spectrometry data affected by time instability. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1004, 165368.	1.6	0
82	Single-particle and collective excitations in the transitional nucleus $^{166}\text{Os}$ . Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125101.	3.6	0
83	Spectroscopy of Very Heavy Elements at and Beyond the Limits. , 2015, , .		0
84	Investigation into the Effects of Deformation on Proton Emission Rates via Lifetime Measurements. , 2015, , .		0