

Katarzyna Hadyńska-KlÄk

List of Publications by Year in descending order

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93
papers

1,122
citations

430874

18
h-index

477307

29
g-index

96
all docs

96
docs citations

96
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Rutherford backscattering analysis methods to nuclear physics experiments. Nuclear Instruments & Methods in Physics Research B, 2021, 486, 68-72. Level structure of the ^{134}Tz nucleus	1.4	7
2	Octupole correlations near ^{134}Ar and its relevance for nucleosynthesis in Oe novae. Physical Review C, 2021, 103, .	2.9	5
3	High-spin intruder states in the mirror nuclei ^{134}Te and ^{134}S . Physical Review C, 2021, 103, .	2.9	5
4	Low-spin levels in ^{140}Sm : Five 0+ states and the question of softness against nonaxial deformation. Physical Review C, 2021, 104, .	2.9	6
5	The GALILEO $^{140}\text{I}^3$ -ray array at the Legnaro National Laboratories. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1015, 165753.	1.6	21
6	^{140}Zn and properties of its first excited ^{140}Zn state studied by means of Coulomb excitation. Physical Review C, 2021, 103, .	2.9	19
7	Impact of Restricted Spin-Ranges in the Oslo Method: The Example of $(d,p)^{240}\text{Pu}$. Springer Proceedings in Physics, 2021, , 195-202.	0.2	1
8	Coulomb excitation studies at LNL with the SPIDER-GALILEO set-up. Physica Scripta, 2020, 95, 024005.	2.5	3
9	Multi-quasiparticle sub-nanosecond isomers in ^{178}W . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135140.	4.1	13
10	Shape coexistence in neutron-deficient ^{188}Hg investigated via lifetime measurements. Physical Review C, 2020, 102, .	2.9	11
11	Lifetime measurements using a plunger device and the EUCLIDES Si array at the GALILEO $^{188}\text{I}^3$ -ray spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 979, 164345.	1.6	5
12	^{188}Ni and the systematics of the low-lying level structure of neutron-rich odd- Z ^{188}Ni isotopes.	2.9	4
13	Quadrupole deformation of ^{130}Xe measured in a Coulomb-excitation experiment. Physical Review C, 2020, 102, .	2.9	22
14	SPIDER: A Silicon Pile DETectoR for low-energy Coulomb-excitation measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 971, 164030.	1.6	12
15	Shell structure of the neutron-rich isotopes ^{69}Co , ^{71}Co , and ^{73}Co . Physical Review C, 2020, 101, 014311.	2.9	10
16	^{69}Ar -ray Spectroscopy of ^{69}Ar	2.9	5
17	Sequential Nature of ^{130}Xe	2.9	5
18	Tj ET	2.9	5

Review Letters, 2020, 125, 012501.

#	ARTICLE	IF	CITATIONS
19	<p>Reaction channel selection techniques and \hat{I}^3 \hat{a} fast-timing spectroscopy using the $\hat{I}^{1/2}$-Ball Spectrometer. Journal of Physics: Conference Series, 2020, 1643, 012117.</p> <p>Isomer spectroscopy in $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ba} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 133 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and high-spin structure of $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ba} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 164 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 166 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ using $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Pu} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$</p>	2.9	8
20	<p>Quadrupole Deformation of ($\hat{110}$)Cd Studied with Coulomb Excitation. Acta Physica Polonica B, 2020, 51, 789.</p>	0.8	6
21	<p>Reaction Channel selection techniques and \hat{I}^3 \hat{a} fast-timing spectroscopy using the $\hat{I}^{1/2}$-Ball Spectrometer. Journal of Physics: Conference Series, 2020, 1643, 012117.</p>	0.4	1
22	<p>Isomer spectroscopy in $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ba} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 133 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and high-spin structure of $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ba} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 164 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 166 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ using $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Pu} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$</p>	2.9	11
23	<p>strength function from $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Pu} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$</p>	2.9	9
24	<p>Inclusive cross sections for one- and multi-nucleon removal from Sn, Sb, and Te projectiles beyond the $\hat{N} \hat{a} \hat{e} \hat{=} \hat{a} \hat{e} \hat{82}$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 356-361.</p>	4.1	4
25	<p>Benchmarking the extraction of statistical neutron capture cross sections on short-lived nuclei for applications using the $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Oslo method. Physical Review C, 2019, 100, .</p>	2.9	5
26	<p>Electromagnetic properties of low-lying states in neutron-deficient Hg isotopes: Coulomb excitation of ^{182}Hg, ^{184}Hg, ^{186}Hg and ^{188}Hg. European Physical Journal A, 2019, 55, 1.</p>	2.5	13
27	<p>Estimation of the statistical properties of $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Pu} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 243 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$, and $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Pu} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$</p>	2.9	0
28	<p>A new dedicated plunger device for the GALILEO $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e263" altimg="si20.gif" \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$-ray detector array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 920, 95-99.</p>	1.6	16
29	<p>Nuclear level densities and \hat{I}^3 -ray strength functions of Ta180,181,182. Physical Review C, 2019, 99, .</p>	2.9	8
30	<p>Re-estimation of ^{180}Ta nucleosynthesis in light of newly constrained reaction rates. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 403-408.</p>	4.1	15
31	<p>^{78}Ni revealed as a doubly magic stronghold against nuclear deformation. Nature, 2019, 569, 53-58.</p>	27.8	120
32	<p>Prominence of Pairing in Inclusive $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mo} \text{mathvariant}="bold" stretchy="false" \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ Tj ET $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mo} \text{mathvariant}="bold" \rangle$</p>		

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37	Identification of high-spin proton configurations in Ba136 and Ba137. Physical Review C, 2019, 99, .	2.9	5
38	Nuclear structure of ^{76}Ni from the $^{76}\text{Ni} + \alpha$ reaction. Physical Review C, 2019, 99, 014307. Overl	2.9	10
39	Neutron detection and ^{137}Ba -ray suppression using artificial neural networks with the liquid scintillators BC-501A and BC-537. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 916, 238-245.	1.6	15
40	The New Neutron Multiplicity Filter NEDA and Its First Physics Campaign with AGATA. Acta Physica Polonica B, 2019, 50, 585.	0.8	3
41	Isomer Spectroscopy and Sub-nanosecond Half-live Determination in ^{178}W Using the NuBALL Array. Acta Physica Polonica B, 2019, 50, 661.	0.8	6
42	Spectroscopic Study in Neutron-Rich Mn Isotopes Around the N = 40 β -island of Inversion. Physical Review C, 2019, 99, 014307.	2.9	0
43	Quadrupole collectivity in ^{42}Ca from low-energy Coulomb excitation with AGATA. Physical Review C, 2018, 97, 014307.	2.9	22
44	Inelastic scattering of neutron-rich Ni and Zn isotopes off a proton target. Physical Review C, 2018, 97, .	2.9	20
45	Test of the generalized Brink-Axel hypothesis in ^{64}Ni and ^{65}Ni millisecond isomers. Physical Review C, 2018, 97, 014307.	2.9	12
46	Millisecond isomers in the ^{79}Ni isotones. Physical Review C, 2018, 97, 014307.	2.9	4
47	Towards the lowest-energy limit for light ions identification with silicon pixel-type detectors. European Physical Journal A, 2018, 54, 1.	2.5	10
48	Nuclear shapes studied with low-energy Coulomb excitation. EPJ Web of Conferences, 2018, 178, 02014.	0.3	3
49	Spectroscopy of ^{67}Ni and ^{68}Ni in the N=40 β -island of inversion. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 392-396.	2.9	6
50	High-spin structure in the transitional nucleus ^{131}Xe : Competitive neutron and proton alignment in the vicinity of the N=82 shell closure. Physical Review C, 2018, 98, .	2.9	14
51	Studies of fission fragment yields via high-resolution ^{137}Ba -ray spectroscopy. EPJ Web of Conferences, 2018, 169, 00030.	0.3	1
52	Lifetime measurements in ^{138}Nd . Physical Review C, 2018, 97, .	2.9	4
53	Electromagnetic Properties of ^{45}Sc Studied by Low-energy Coulomb Excitation. Acta Physica Polonica B, 2018, 49, 567.	0.8	0
54	Isomers and high-spin structures in the ^{81}Ni isotones. Physical Review C, 2018, 97, 014307.	2.9	10

#	ARTICLE	IF	CITATIONS
55	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
56	First measurement with a new setup for low-energy Coulomb excitation studies at INFN LNL. Physica Scripta, 2017, 92, 074001.	2.5	5
57	Nuclear level densities and $\hat{\Gamma}^3$ -ray strength functions of $^{180,181}\text{Ta}$ and neutron capture cross sections. EPJ Web of Conferences, 2017, 146, 01010.	0.3	1
58	Measurement of lifetimes in ^{62}Fe and ^{64}Fe . Physical Review C, 2017, 95, .	2.9	9
59	High-spin structures in ^{132}Xe and ^{133}Xe and evidence for isomers along the $N=79$ isotones. Physical Review C, 2017, 96, .	2.9	12
60	Shell evolution beyond $Z = 28$ and $N = 50$: Spectroscopy of $^{81,82,83,84}\text{Zn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 492-497.	4.1	29
61	Persistence of the $Z=28$ shell gap around ^{68}Ni . Physical Review Letters, 2017, 118, 202502.	7.8	62
62	Decay of the $\epsilon=8^+$ isomeric state in ^{134}Nd and ^{184}Pt studied by electron and $\hat{\Gamma}^3$ spectroscopy. Physical Review C, 2017, 95, .	2.9	1
63	Gamma Decay of Unbound Neutron-Hole States in ^{133}Sn . Physical Review Letters, 2017, 118, 202502.	7.8	22
64	Anomalies in the Charge Yields of Fission Fragments from the ^{238}U fission. Physical Review Letters, 2017, 118, 202502.	7.8	30
65	Low-Lying States in ^{238}U . Physical Review Letters, 2017, 118, 202502.	7.8	29
66	Resonances in odd-odd ^{182}Ta . EPJ Web of Conferences, 2017, 146, 05012.	0.3	0
67	Production and Study of Neutron-rich Nuclei Using the LICORNE Directional Neutron Source. Acta Physica Polonica B, 2017, 48, 395.	0.8	1
68	Collectivity of neutron-rich Cr and Fe toward $N=50$. EPJ Web of Conferences, 2016, 107, 03007.	0.3	1
69	Statistical $\hat{\Gamma}^3$ -decay properties of ^{68}Ni . Physical Review C, 2017, 95, .		

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73	Structure of low-lying states in ^{140}Sm studied by Coulomb excitation. <i>Physical Review C</i> , 2016, 93, .	2.9	12
74	Inelastic scattering of $^{72,74}\text{Ni}$ off a proton target. <i>Journal of Physics: Conference Series</i> , 2016, 724, 012008.	0.4	0
75	Study of Octupole Collectivity in ^{146}Nd and ^{148}Sm Using the New Coulomb Excitation Set-up at ALTO. <i>Acta Physica Polonica B</i> , 2016, 47, 923.	0.8	1
76	Extension of the ^{140}Sm Island of Inversion towards ^{150}Sm : Spectroscopy of ^{140}Sm .	7.8	77
77	Revised spin values of the 991 keV and 1599 keV levels in ^{140}Sm . <i>Physical Review C</i> , 2015, 92, .	2.9	3
78	The Cornerstone of the Region of Deformation around ^{137}Ba .	7.8	18
79	The statistical properties of $^{111,112,113}\text{Sn}$ studied with the Oslo method. <i>EPJ Web of Conferences</i> , 2015, 93, 04004.	0.3	0
80	Shapes and Collectivity in Neutron Deficient Even-Mass $^{188-198}\text{Pb}$ Isotopes. , 2015, , .		2
81	Electromagnetic Properties of Chiral Bands in ^{124}Cs . <i>Acta Physica Polonica B</i> , 2015, 46, 689.	0.8	8
82	Spectroscopy of Low-lying States in ^{140}Sm . <i>Acta Physica Polonica B</i> , 2015, 46, 607.	0.8	3
83	University of Lodz an electron spectrometer – A new conversion-electron spectrometer for β -beam measurements. <i>Review of Scientific Instruments</i> , 2014, 85, 043303.	1.3	4
84	Towards the Determination of Superdeformation in ^{42}Ca . <i>Acta Physica Polonica B</i> , 2013, 44, 617.	0.8	6
85	Testing of the PARIS LaBr ₃ -NaI Phoswich Detector with High Energy Gamma-rays. <i>Acta Physica Polonica B</i> , 2013, 44, 651.	0.8	5
86	Spontaneous time-reversal symmetry breaking in ^{124}Cs . , 2012, , .		1
87	Electromagnetic properties of ^{100}Mo : Experimental results and theoretical description of quadrupole degrees of freedom. <i>Physical Review C</i> , 2012, 86, .	2.9	60
88	DSA lifetime measurements of ^{124}Cs and the time-reversal symmetry. <i>Journal of Physics: Conference Series</i> , 2012, 381, 012067.	0.4	0
89	Decay properties of long-lived isomers in the odd-odd $N=81$ nucleus ^{146}Tb compared to the ^{148}Ho and ^{150}Tm nuclei. <i>Physical Review C</i> , 2011, 83, .	2.9	2
90	SHAPE EVOLUTION IN HEAVIEST STABLE EVEN-EVEN MOLYBDENUM ISOTOPES STUDIED VIA COULOMB EXCITATION. <i>International Journal of Modern Physics E</i> , 2011, 20, 443-450.	1.0	8

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91	Title is missing!. Acta Physica Polonica B, 2011, 42, 817.	0.8	7
92	Title is missing!. Acta Physica Polonica B, 2011, 42, 803.	0.8	2
93	Nuclear spectroscopy above isomers in $^{67}148\text{Ho}$ and $^{67}149\text{Ho}$ nuclei: Search for core-excited states in $^{67}149\text{Ho}$. Physical Review C, 2010, 81, .	2.9	8