

# Teresa RzÄca-Urban

## List of Publications by Year in descending order

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Version: 2024-02-01

106  
papers

1,792  
citations

236612

25  
h-index

360668

35  
g-index

106  
all docs

106  
docs citations

106  
times ranked

702  
citing authors



#	ARTICLE	IF	CITATIONS
19	Yrast excitations in the neutron-rich $N=52$ isotones. Physical Review C, 2013, 88, .	1.1	29
20	The decay of the $T=8+$ isomer in $^{100}\text{Cd}$ -neutron particle and proton hole states. Zeitschrift für Physik A, 1994, 350, 181-182.	0.9	28
21	Near-yrast, medium-spin structure of the $^{107}\text{Mo}$ nucleus. Physical Review C, 2005, 72, .	1.1	28
22	New isomers and medium-spin structure of the $^{95}\text{Y}$ nucleus. Physical Review C, 2009, 79, .	1.1	27
23	Evolution of $^{144}\text{Gd}$ and $^{142}\text{Ce}$ quadrupole bands in the $^{144}\text{Gd}$ nucleus. Physical Review C, 2009, 79, .	1.1	27
24	Investigations of the level scheme of $^{144}\text{Gd}$ and lifetimes in the quadrupole bands. European Physical Journal A, 2004, 21, 37-55.	1.0	26
25	Half-life of the 830.2 keV isomer in $^{97}\text{Sr}$ . Physical Review C, 2005, 72, .	1.1	26
26	The neutron and proton two-particle nucleus $^{134}\text{Sb}$ : New low-spin states observed in the decay of $^{134}\text{Sn}$ and an estimate of the energy of the 7- isomer. European Physical Journal A, 2002, 15, 181-184.	1.0	25
27	Low-spin structure of $^{113}\text{Ru}$ and $^{113}\text{Rh}$ . European Physical Journal A, 2007, 33, 307-316.	1.0	25
28	Unexpected $5/2^+$ spin of the ground state in $^{147}\text{Ba}$ : No octupole deformation in ground states of odd- $A$ Ba isotopes. Physical Review C, 2013, 87, .	1.1	24
29	New spins for ground states and isomers in $^{115}\text{Pd}$ and $^{117}\text{Pd}$ . European Physical Journal A, 2004, 22, 157-161.	1.0	23
30	Near-yrast structure of $N=93$ neutron-rich lanthanide nuclei. Physical Review C, 2010, 81, .	1.1	23
31	Isomeric levels in $^{92}\text{Rb}$ and the structure of neutron-rich $^{92}\text{Rb}$ isotopes. Physical Review C, 2012, 85, .	1.1	23
32	New information on the $T_{1/2} = 47$ s isomer in the $^{136}\text{I}$ nucleus. European Physical Journal A, 2006, 27, 257-262.	1.0	22
33	Confirmation of $^{86}\text{Se}$ collectivity. Physical Review C, 2015, 92, .	1.1	22
34	Neutron-proton multiplets in the nucleus $^{88}\text{Br}$ . Physical Review C, 2015, 92, .	1.1	22
35	Near-yrast, medium-spin structure of the $^{107}\text{Tc}$ nucleus. Physical Review C, 2004, 70, .	1.1	21
36	Reflection symmetry of the near-yrast excitations in $^{145}\text{Ba}$ . Physical Review C, 2012, 86, .	1.1	21

#	ARTICLE	IF	CITATIONS
37	Properties of N=84, even-even nuclei populated in the spontaneous fission of $^{248}\text{Cm}$ . European Physical Journal A, 2000, 7, 167-176.	1.0	20
38	New bands and spin-parity assignments in $^{111}\text{Ru}$ . European Physical Journal A, 2004, 22, 231-239.	1.0	20
39	$^{102}_{102}\text{Ru}$ and the evolution	1.1	20
40	Near-yrast structure of the $^{109}\text{Mo}$ nucleus. Physical Review C, 2006, 73, .	1.1	19
41	New information on medium-spin structure of $^{133}\text{Sb}$ .	1.1	19
42	First observation of excited states in the $^{138}\text{Th}$ nucleus. Physical Review C, 2007, 75, .	1.1	18
43	The $11/2^+$ [505] neutron extruder orbital in $^{159}\text{Sm}$ . Physical Review C, 2009, 80, .	1.1	18
44	First evidence of $^{132}\text{Sn}$ collectivity close to the doubly magic core $^{132}\text{Sn}$ .	1.1	17
45	First measurements of yrast excitations in $^{137}\text{I}$ and the missing $12^+$ isomer in $^{136}\text{Te}$ . European Physical Journal A, 2001, 12, 129-133.	1.0	16
46	Investigation of lifetimes in quadrupole bands of $^{142}\text{Gd}$ . European Physical Journal A, 2008, 35, 135-158.	1.0	16
47	Shape coexistence in the odd-odd nucleus $^{98}\text{Y}$ : The role of the $g_9$ neutron extruder. Physical Review C, 2017, 96, .	1.1	16
48	Shape changes in $^{189}\text{Au}$ at high spins. Zeitschrift für Physik A, 1992, 344, 231-232.	0.9	15
49	Near-yrast structure of $^{142}\text{Cs}$ and $^{144}\text{Cs}$ .	1.1	15
50	Study of the high-spin structure of $^{144}\text{Gd}$ . Nuclear Physics A, 1994, 579, 319-331.	0.6	14
51	Short-lived isomers in $^{94}\text{Rb}$ . Physical Review C, 2008, 78, .	1.1	14
52	Structure of $^{100}\text{Kr}$ excitations in the mass region.	1.1	14
53	Structure of $^{100}\text{Kr}$ and $^{100}\text{Br}$ .	1.1	13
54	Observation of superdeformation in the doubly closed-shell nucleus $^{146}\text{Gd}$ . Physical Review Letters, 1987, 59, 2024-2027.	2.9	12

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55	First observation of medium-spin excitations in the $^{138}\text{Cs}$ nucleus. European Physical Journal A, 2007, 32, 5-9.	1.0	12
56	Mapping neutron levels in the $^{138}\text{Cs}$ nucleus. European Physical Journal A, 2007, 32, 5-9.	1.1	12
57	The $^{138}\text{Cs}$ nucleus. European Physical Journal A, 2007, 32, 5-9.	1.1	12
58	Near-yrast structure of $^{138}\text{Cs}$ . Physical Review C, 2009, 79, .	1.1	12
59	Near-yrast, medium-spin structure of the $^{138}\text{Cs}$ nucleus. Physical Review C, 2010, 82, .	1.1	12
60	Neutron-proton multiplets in the odd-odd nucleus $^{138}\text{Cs}$ . Physical Review C, 2016, 93, .	1.1	12
61	First observation of $\hat{1}^3$ -soft and triaxial bands in Zr isotopes. Physical Review C, 2019, 100, .	1.1	12
62	New excitation scheme of $^{139}\text{Cs}$ . European Physical Journal A, 1999, 6, 1-3.	1.0	11
63	Suppression of band crossing in the neutron-rich nuclei $^{172, 173}\text{Yb}$ due to the absence of a static pair field. European Physical Journal A, 2005, 26, 19-24.	1.0	11
64	Near-yrast structure of odd- $A$ , neutron-rich Pr isotopes. Physical Review C, 2012, 85, .	1.1	10
65	Near-yrast excitations in nucleus $^{138}\text{Cs}$ . Physical Review C, 2017, 96, .	1.1	10
66	Tracing the $^{138}\text{Cs}$ nucleus. Physical Review C, 2017, 96, .	1.1	10
67	Parity-doublet structure in the $^{147}\text{La}$ nucleus. Physical Review C, 2017, 96, .	1.1	10
68	Structure of $^{90}\text{Kr}$ nuclei: Solving the puzzle of their population in fission. Physical Review C, 2017, 95, .	1.1	10
69	Excited superdeformed band in $^{146}\text{Gd}$ . Zeitschrift für Physik A, 1991, 339, 421-422.	0.9	9
70	Superdeformation in $^{146}\text{Gd}$ . Physical Review C, 1995, 52, 1302-1306.	1.1	9
71	New yrast and non-yrast states in $^{136}\text{Sm}$ and medium-spin structure of $^{136}\text{Sm}$ . Physical Review C, 2017, 95, .	1.1	9
72	Delayed crossing in the $\pi h_{9/2}^{-1/2}$ band of $^{173}\text{Lu}$ . European Physical Journal A, 2003, 18, 577-581.	1.0	8
73	Medium-spin structure of $^{145}\text{Cs}$ . Physical Review C, 2010, 82, .	1.1	8
74	Precise measurement of energies in $^{115}\text{Sn}$ following the $h_{9/2}^{-1/2}$ band. Physical Review C, 2016, 94, .	1.1	8

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73	Recent developments of multi $e^{-\hat{I}^3}$ spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 437, 282-334.	0.7	7
74	Pseudo-spin band in the odd-odd nucleus $^{172}\text{Lu}$ . European Physical Journal A, 2003, 18, 1-4.	1.0	7
75	Near-yrast, medium-spin structure of $^{143}\text{Xe}$ . Physical Review C, 2011, 83, .	1.1	7
76	Low-spin structure of $^{85}\text{Se}$ and the $^{\hat{I}^2}$ branching of $^{85}\text{Se}$ . Physical Review C, 2017, 95, .	1.1	7
77	Low-spin excitations in $^{97}\text{Zr}$ . Physical Review C, 2018, 98, .		7
78	Structure of even-even Sr isotopes with $50$ neutrons. Physical Review C, 2021, 104, .		
79	Study of band structures and crossings in $^{179}\text{Os}$ . Nuclear Physics A, 1993, 563, 129-161.	0.6	6
80	Band structure of $^{149}\text{Ce}$ . Physical Review C, 2012, 86, .	1.1	6
81	Penning-trap-assisted study of excitations in $^{88}\text{Br}$ populated in $^{\hat{I}^2}$ decay of $^{88}\text{Se}$ . Physical Review C, 2017, 95, .	1.1	6
82	Excited levels in the multishaped $^{117}\text{Pd}$ nucleus studied via $^{\hat{I}^2}$ decay of $^{117}\text{Rh}$ . Physical Review C, 2018, 98, .	1.1	6
83	Signature inversion in the semidecoupled $\pi h_{9/2} \otimes \nu i_{13/2}$ band of the odd-odd nucleus $^{172}\text{Lu}$ . European Physical Journal A, 2004, 20, 375-379.	1.0	5
84	Excited states in $^{87}\text{Br}$ populated in $^{\hat{I}^2}$ decay of $^{87}\text{Se}$ . Physical Review C, 2019, 100, .	1.1	5
85	Medium-spin states of the neutron-rich nucleus $^{87}\text{Br}$ . Physical Review C, 2021, 103, .		5
86	First observation of excited states in the $^{154}\text{Ce}$ nucleus: Rigid rotation at $^{154}\text{Ce}$ . Physical Review C, 2020, 102, .	1.1	5
87	Quadrupole moment of the yrast superdeformed band in $^{144}\text{Gd}$ . Physical Review C, 1999, 60, .	1.1	4
88	The $(n, \hat{I}^3)$ campaigns at EXILL. EPJ Web of Conferences, 2015, 93, 01014.	0.1	4
89	First $^{\hat{I}^2}$ -decay scheme of $^{107}\text{Nb}$ : New insight into the low-energy levels of $^{107}\text{Mo}$ . Physical Review C, 2019, 100, .	1.1	4
90	New, low-energy excitations in $^{107}\text{Mo}$ and $^{109}\text{Mo}$ . Physical Review C, 2020, 102, .	1.1	3



#	ARTICLE	IF	CITATIONS
91	Origin of the backbending in the $9/2$ band of $^{185}\text{Ir}$ . Zeitschrift für Physik A, Atomic Nuclei, 1989, 332, 111-112.	1.1	3
92	Nuclear targets, recoil ion catchers and reaction chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 414, 239-260.	0.3	2
93	Medium-spin states of the neutron-rich $^{87,89}\text{Br}$ isotopes: configurations and shapes. Journal of Physics: Conference Series, 2016, 724, 012051.	0.7	2
94	Observation of excited states in the neutron-rich nucleus $\text{Br}89$ . Physical Review C, 2021, 104, .	0.3	2
95	Superdeformed bands and their crossing features in Gd nuclei around $A=146$ . Progress in Particle and Nuclear Physics, 1992, 28, 225-234.	1.1	2
96	Fragmentation of the yrast band in $^{186}\text{Os}$ at $\hbar\omega = 18+$ and disappearance of the collective minimum. Zeitschrift für Physik A, 1996, 356, 393-397.	5.6	1
97	Accelerated ion beams for in-beam $e^{-}\beta^+$ spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 413, 59-73.	0.9	1
98	Evolution of $\gamma$ Collectivity -- $(n,\gamma)$ Spectroscopy of $^{98}\text{Mo}$ with FIPPS. Acta Physica Polonica B, 2018, 49, 547.	0.7	1
99	Spectroscopic information from the $^{63}\text{Cu}(p, \beta^+)^{64}\text{Zn}$ reaction in the GDR region. Zeitschrift für Physik A, Atomic Nuclei, 1986, 325, 55-60.	0.3	1
100	Search for superdeformation in $^{180}\text{Os}$ . Zeitschrift für Physik A, Atomic Nuclei, 1987, 328, 379-380.	0.3	0
101	High precision $\beta^+$ spectroscopy of $^{69,71}\text{Zn}$ from $(n, \beta^+)$ reactions using EXILL. EPJ Web of Conferences, 2015, 93, 01042.	0.3	0
102	Study of parity-doublet structure in the $^{147}\text{La}$ nucleus. EPJ Web of Conferences, 2018, 193, 05006.	0.1	0
103	INVESTIGATION OF MAGNETIC ROTATION AROUND $^{142}\text{Gd}$ . , 2001, , .	0.1	0
104	The neutron and proton two-particle nucleus $^{134}\text{Sb}$ : New low-spin states observed in the decay of $^{134}\text{Sn}$ and an estimate of the energy of the $7\hat{\alpha}^+$ isomer. , 2003, , 301-304.	0.1	0
105	Near-yrast Excitations in Nucleus $^{83}\text{As}$ : Tracing the Deformation in the $^{78}\text{Ni}$ Region. Acta Physica Polonica B, 2016, 47, 897.	0.3	0
106			