

Jan Taprogge

List of Publications by Year in descending order

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78
papers

1,583
citations

331670

21
h-index

330143

37
g-index

80
all docs

80
docs citations

80
times ranked

1062
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>Decay Half-Lives of 110 Neutron-Rich Nuclei across the $N = 82$ Shell Gap: Implications for the Mechanism and Universality of the Astrophysical r-Process. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	167
2	<p>Installation and commissioning of EURICA – Euroball-RIKEN Cluster Array. <i>Nuclear Instruments & Methods in Physics Research B</i>, 2013, 317, 649-652.</p>	1.4	121
3	<p>Decay Half-Lives of Yr_{61} Isomers. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	103
4	<p>Seniority Isomers of Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	75
5	<p>Decay Half-Lives of Neutron-Rich Isomers in Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	68
6	<p>Proton-Hole State in Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	67
7	<p>Shell Closure at $Z = 28$ and the Strength of the Lifetime measurements of the first states in Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	60
8	<p>Evolution of ground-state deformations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2017, 765, 328-333.</p>	4.1	33
9	<p>Proton-Hole State in Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	51
10	<p>Isomer Decay Spectroscopy of Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	50
11	<p>The Lyndén-York – Cologne Calorimeter (LYCCA): Concept, design and prototype developments for a FAIR-NUSTAR detector system to discriminate relativistic heavy-ion reaction products. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i>, 2013, 723, 55-66.</p>	1.6	33
12	<p>Type II shell evolution in $A = 70$ isobars from the $N = 40$ island of inversion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2017, 765, 328-333.</p>	4.1	33
13	<p>Shell Evolution towards $N = 40$ Island of Inversion. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	29
14	<p>Decay spectroscopy of Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	4.1	25
15	<p>Observation of New Neutron-rich Isotopes among Fission Fragments from In-flight Fission of ^{238}U: Search for New Isotopes Conducted Concurrently with Decay Measurement Campaigns. <i>Journal of the Physical Society of Japan</i>, 2018, 87, 014203.</p>	1.6	25
16	<p>Monopole-Driven Shell Evolution below the Doubly Magic Nucleus Yr_{61}. <i>Physical Review Letters</i>, 2014, 113, 132502.</p>	7.8	24
17	<p>Low-lying excitations in Yr_{61}. <i>Physical Review C</i>, 2016, 93, 014307.</p>	2.9	24
18	<p>Setting up a quantitative SPECT imaging network for a European multi-centre dosimetry study of radioiodine treatment for thyroid cancer as part of the MEDIRAD project. <i>EJNMMI Physics</i>, 2020, 7, 61.</p>	2.7	23

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19	Observation of a millisecond isomeric state in ^{138}Ba . Physical Review C, 2019, 100, 044307. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \hat{I} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 81 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:none} \rangle$	4.1	22
20	Discovery of a new ^{138}Ba isomer with a half-life of 138 ns. Physical Review C, 2019, 100, 044307. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \hat{I} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 81 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:none} \rangle$	2.9	22
21	Shape evolution in $^{116,118}\text{Ru}$: Triaxiality and transition between the $O(6)$ and $U(5)$ dynamical symmetries. Physical Review C, 2013, 88, .	2.9	21
22	Observation of new neutron-rich Mn, Fe, Co, Ni, and Cu isotopes in the vicinity of ^{138}Ba . Physical Review C, 2017, 95, .	2.9	21
23	Is seniority a partial dynamic symmetry in the first $\hat{1}^2_{g9/2}$ shell?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 706-712.	4.1	21
24	\hat{I}^2 decay of ^{129}Cd and excited states in ^{129}In . Physical Review C, 2015, 91, .	2.9	20
25	Compartmental Model for ^{223}Ra -Dichloride in Patients With Metastatic Bone Disease From Castration-Resistant Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2019, 105, 884-892.	0.8	20
26	First observation of ^{132}Sn rays emitted from excited states south-east of ^{132}Sn . Physical Review C, 2019, 100, 044307. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \hat{I} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 132 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:none} \rangle$	2.9	19
27	Characterisation of the attenuation properties of 3D-printed tungsten for use in gamma camera collimation. EJNMMI Physics, 2019, 6, 1. Two-hole structure outside ^{132}Sn .	2.7	19
28	Existence of a ^{138}Ba isomer. Physical Review C, 2019, 100, 044307. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \hat{I} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 78 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:none} \rangle$	2.9	18
29	Decay properties of $^{68,69,70}\text{Mn}$: Probing collectivity up to $N = 44$ in Fe isotopic chain. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 107-112. ^{138}Ba decay of semi-magic ^{138}Ba .	4.1	17
30	Revision and extension of the level scheme of ^{130}Ba . Physical Review C, 2019, 100, 044307. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \hat{I} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 130 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:none} \rangle$	2.9	17
31	First Measurement of Low-Lying ^{132}Sn Isomers. Physical Review C, 2019, 100, 044307. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \hat{I} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 132 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:none} \rangle$	7.8	17
32	Mapping the borders of the island of inversion. Physical Review C, 2014, 89, . Coulomb excitation of ^{29}Na . $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 29 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 30 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Na}$	2.9	16
33	Midshell nuclei and the variation of ^{159}Gd . Physical Review C, 2019, 100, 044307. Shape evolution of neutron-rich ^{106}Mo .	2.9	16
34	Shape evolution of neutron-rich ^{106}Mo isotopes in the triaxial degree of freedom. Physical Review C, 2020, 101, .	2.9	16
35	Theoretical aspects on the use of single-time-point dosimetry for radionuclide therapy. Physics in Medicine and Biology, 2022, 67, 025003.	3.0	16
36	The role of core excitations in the structure and decay of the $16+$ spin-gap isomer in ^{96}Cd . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 474-479.	4.1	15

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37	Physics aspects of setting up a multicenter clinical trial involving internal dosimetry of radioiodine treatment of differentiated thyroid cancer. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2019, 63, 271-277.	0.7	15
38	Excitation strengths in ^{109}Sn . Single-neutron and collective excitations near ^{109}Sn . Physical Review C, 2012, 86, .	2.9	14
39	Coulomb excitation of ^{107}Sn . European Physical Journal A, 2012, 48, 1.	2.5	14
40	A Systematic Review and Meta-Analysis of the Relationship Between the Radiation Absorbed Dose to the Thyroid and Response in Patients Treated with Radioiodine for Graves' Disease. Thyroid, 2021, 31, 1829-1838.	4.5	12
41	Recommendations for Multicentre Clinical Trials Involving Dosimetry for Molecular Radiotherapy. Clinical Oncology, 2021, 33, 131-136.	1.4	10
42	Adjustment of the iodine ICRP population pharmacokinetic model for the use in thyroid cancer patients after thyroidectomy. Journal of Radiological Protection, 2021, 41, 1034-1044.	1.1	10
43	Proton-hole and core-excited states in the semi-magic nucleus ^{131}In . European Physical Journal A, 2016, 52, 1.	2.5	9
44	Properties of ^{131}In -decaying isomers in the ^{131}In region populated in fragmentation of a ^{131}In .	2.9	9
45	Toward the limit of nuclear binding on the N=Z line: Spectroscopy of ^{96}Cd . Physical Review C, 2019, 99, .	2.9	9
46	β^2 -decay of neutron-rich $Z=60$ nuclei and the origin of rare earth elements. , 2014, , .		8
47	Study of ground and excited state decays in $Z=40$ nuclei. EPJ Web of Conferences, 2015, 93, 01024.	0.3	8
48	Gamma-ray Spectroscopy in the Vicinity of ^{108}Zr . Acta Physica Polonica B, 2015, 46, 721.	0.8	8
49	K selection in the decay of the ^{108}Zr .		

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55	Status and results from the decay spectroscopy project EURICA (Euroball-RIKEN cluster array). AIP Conference Proceedings, 2016, , .	0.4	5
56	Relativistic Coulomb excitation of ^{88}Kr . Physical Review C, 2016, 94, .	2.9	5
57	Study of isomeric states in $^{198,200,202,206}\text{Pb}$ and ^{206}Hg populated in fragmentation reactions. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 035105.	3.6	5
58	New isomers in ^{125}Pd and ^{127}Pd : Competing proton and neutron excitations in neutron-rich palladium nuclides towards the $N=82$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 263-268.	4.1	5
59	β^- -decay half-lives of neutron-rich nuclei around ^{158}Nd , relevant to the formation of the 165 rare-earth element peak. EPJ Web of Conferences, 2016, 109, 08003.	0.3	4
60	Evolution of proton single-particle states in neutron-rich Sb isotopes beyond $N=82$. Physical Review C, 2020, 102, .	2.9	4
61	Evolution of β^- decay of ^{75}Ni and the systematics of the low-lying level structure of neutron-rich odd- Z ^{A}Cu isotopes. Ph	2.9	4
62	β^- -decay spectroscopy at RIBF: The EURICA project. , 2014, , .		3
63	Isomeric Ratios in ^{206}Hg . Acta Physica Polonica B, 2015, 46, 601.	0.8	3
64	β^- -decay spectroscopy of neutron-rich $^{160,161,162}\text{Sm}$ isotopes. EPJ Web of Conferences, 2016, 123, 02002.	0.3	3
65	Status of the EURICA Project After One Year at RIKEN. , 2014, , .		3
66	First Results on the Excited States in ^{77}Cu . Acta Physica Polonica B, 2016, 47, 889.	0.8	2
67	Isomeric states in neutron-rich ^{129}In and the $1^+_{g.s.}$ $9/2^-_{S-}$ $1^+_{h.s.}$ multiplet. Journal of Physics: Conference Series, 2014, 533, 012043.	0.4	1
68	Isomers of Pm Isotopes on the Neutron-Rich Frontier of the Deformed $Z \sim 60$ Region. , 2015, , .		1
69	Beta-gamma spectroscopy of the neutron-rich ^{150}Ba . Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	1
70	Search for proton emission of the isomeric 10^+ state in ^{54}Ni . European Physical Journal A, 2020, 56, 1.	2.5	1
71	Properties of γ -decaying Isomers in the ^{100}Sn Region Revisited. Acta Physica Polonica B, 2019, 50, 431.	0.8	1
72	Beta decay and isomer spectroscopy in the ^{132}Sn region: New results from EURICA. Journal of Physics: Conference Series, 2014, 533, 012045.	0.4	0

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73	Isomer and beta decay spectroscopy in the ^{132}Sn region with EURICA. EPJ Web of Conferences, 2014, 66, 02040.	0.3	0
74	Analysis and results of the ^{104}Sn Coulomb excitation experiment. Journal of Physics: Conference Series, 2014, 533, 012047.	0.4	0
75	Publisher's Note: Isospin symmetry in the sd-shell: Transition strengths in the neutron-deficient sd-shell nucleus ^{33}Ar [Phys. Rev. C 90, 054301 (2014)]. Physical Review C, 2015, 91, .	2.9	0
76	Systematic Study of β^2 -Decay Half-Lives in the Vicinity of ^{78}Ni . , 2014, , .		0
77	Role Of Hexadecupole Deformation In The Shape Evolution Of Neutron-rich Nd Isotopes. , 2017, , .		0
78	Hybrid Imaging in conventional nuclear medicine. , 2020, , .		0