Vinzenz Bildstein

List of Publications by Year
in descending order

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95	1,563	304743	345221
papers	citations	22 h-index	36 g-index

96	96	96	1118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discovery of the Shape Coexisting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>State in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>32</mml:mn></mml:mmultiscripts></mml:math>by a Two Neutron Transfer Reaction. Physical Review Letters, 2010, 105, 252501.	7.8	138
2	The Miniball spectrometer. European Physical Journal A, 2013, 49, 1.	2.5	126
3	Evidence for a Smooth Onset of Deformation in the Neutron-Rich Kr Isotopes. Physical Review Letters, 2012, 108, 062701.	7.8	69
4	â€œSafeâ€•Coulomb Excitation ofMg30. Physical Review Letters, 2005, 94, 172501.	7.8	66
5	Coulomb Excitation of Neutron-Rich Zn Isotopes: First Observation of the21+State inZn80. Physical Review Letters, 2007, 99, 142501.	7.8	66
6	Shape Coexistence Near Neutron Number<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>20</mml:mn></mml:math>: First Identification of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>E</mml:mi><mml:mn>0</mml:mn></mml:math>Decay from the Deformed First Excited<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><m	7.8	60
7	Low-energy Coulomb excitation of neutron-rich zinc isotopes. Physical Review C, 2009, 79, .	2.9	58
8	Multiple Shape Coexistence in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>110</mml:mn><mml:mo>,</mml:mo><mml:mn>112</mml:mn></mml:mrow></mml:mmultiscripts></mml:m Physical Review Letters, 2019, 123, 142502.	7.8	56
9	T-REX. European Physical Journal A, 2012, 48, 1.	2.5	50
10	Shape dynamics in neutron-rich Kr isotopes: Coulomb excitation of 92Kr, 94Kr and 96Kr. Nuclear Physics A, 2013, 899, 1-28.	1.5	40
11	Improving the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">P</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	38
12	Shape coexistence and multiparticle-multihole structures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>110</mml:mn><mml:mo>,</mml:mo><mml:mn>112</mml:mn></mml:mrow></mml:mmultiscripts></mml:m	2.9	28
13	Single-neutron spectroscopy of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>49</mml:mn></mml:math>isotope 79 Zn. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 298-302.	4.1	27
14	First results on in-beam Î³ spectroscopy of neutron-rich Na and Mg isotopes at REX-ISOLDE. Nuclear Physics A, 2004, 746, 96-102.	1.5	26
15	Exploring the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>12</mml:mn></mml:msup></mml:math>Be through low-energy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>11</mml:mn></mml:msup></mml:math>Be<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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19	The GRIFFIN facility for Decay-Spectroscopy studies at TRIUMF-ISAC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 918, 9-29.	1.6	24
20	The GRIFFIN data acquisition system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 853, 85-104.	1.6	23
21	Nuclear Force Imprints Revealed on the Elastic Scattering of Protons with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>10</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2017, 118, 262502.	7.8	23
22	Coulomb excitation of 31Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 181-186.	4.1	22
23	Comparison of deuterated and normal liquid scintillators for fast-neutron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 188-197.	1.6	21
24	Half-lives of neutron-rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>128</mml:mn><mml:mo>â€“</mml:mo><mml:mn>130</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 93, .	2.9	21
25	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>208</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>excited by the proton decay of the isobaric analog intruder resonance <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi	2.9	20
26	In-trap decay of 61Mn and Coulomb excitation of 61Mn/61Fe. European Physical Journal A, 2009, 42, 401.	2.5	19
27	Shape coexistence in the neutron-deficient lead region: A systematic study of lifetimes in the even-even <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Hg</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>188</mml:mn><mml:mo>â€“</mml:mo><mml:mn>200</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> nuclei: GRIFFIN experiment at TRIUMF. Physical Review C, 2019, 100, .	2.9	18
28	Evidence for the existence of the astrophysically important 6.40-MeV state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>31</mml:mn></mml:msup></mml:math>S. Physical Review C, 2013, 88, .	2.9	17
29	Spectroscopy of neutron-rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ar</mml:mi><mml:mprescripts /><mml:none /><mml:mn>46</mml:mn></mml:mmultiscripts></mml:math> by the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>t</mml:mi><mml:mo>,</mml:mo><mml:msp reaction. Physical Review C, 2016, 93, .	2.9	17
30	Coulomb excitation of neutron-rich 138,140,142Xe at REX-ISOLDE. European Physical Journal: Special Topics, 2007, 150, 127-129.	2.6	16
31	Study of the deformation-drivingÎ½d5/2orbital in 67 28 Ni 39 using one-neutron transfer reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 533-538.	4.1	16
32	Prolate shape of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>140</mml:mn></mml:msup></mml:math>Ba from a first combined Doppler-shift and Coulomb-excitation measurement at the REX-ISOLDE facility. Physical Review C, 2012, 86, .	2.9	15
33	Ground-state and pairing-vibrational bands with equal quadrupole collectivity in Xe124. Physical Review C, 2015, 91, .	2.9	15
34	Study of the 130Ba nucleus with the (p, t) reaction. European Physical Journal A, 2008, 36, 243-250.	2.5	14
35	New <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Cl</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>34</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>proton-threshold states and the thermonuclear <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	14
36	Excitation strengths in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>109</mml:mn></mml:msup></mml:math>Sn: Single-neutron and collective excitations near <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>100</mml:mn></mml:msup></mml:math>Sn. Physical Review C, 2012, 86, .	2.9	14

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37	Coulomb excitation of 107Sn. European Physical Journal A, 2012, 48, 1.	2.5	14
38	Far From â€˜Easyâ€™ Spectroscopy with the 8Ï€ and GRIFFIN Spectrometers at TRIUMF-ISAC. Journal of Physics: Conference Series, 2015, 639, 012006.	0.4	14
39	Coulomb excitation of neutron-rich beams at REX-ISOLDE. European Physical Journal A, 2005, 25, 397-402.	2.5	13
40	A new setup for transfer reactions at REX-ISOLDE. Progress in Particle and Nuclear Physics, 2007, 59, 386-388.	14.4	13
41	High-precision half-life measurements for the superallowed FermiÎ²+emitterNe18. Physical Review C, 2015, 92.	2.9	13
42	High-Precision Half-Life Measurements for the Superallowed<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math>emitter<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:m	7.8	13
43	Benchmarking 136Xe neutrinoless Î²Î² decay matrix element calculations with the 138Ba(p,t) reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135702.	4.1	13
44	Excited<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>62</mml:mn></mml:msup></mml:math>Zn populated via the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow		

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55	Observation of the 02+ and Î³ bands in 98Ru, and shape coexistence in the Ru isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135762.	4.1	6
56	First Direct Measurement of an Astrophysical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math> -Process Reaction Cross Section Using a Radioactive Ion Beam. Physical Review Letters, 2021, 127, 112701.	7.8	6
57	Coexisting normal and intruder configurations in 32Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136682.	4.1	6
58	First identification of large electric monopole strength in well-deformed rare earth nuclei. , 2009, , .		5
59	One-neutron knockout from 51â€“55 Sc. European Physical Journal A, 2012, 48, 1.	2.5	5
60	Coulomb excitation of107In. Physical Review C, 2013, 87, .	2.9	5
61	Spectroscopy of low lying states in¹³⁶Cs. Journal of Physics: Conference Series, 2016, 689, 012026.	0.4	5
62	The neutron-rich Mg isotopes: first results from MINIBALL at REX-ISOLDE. Nuclear Physics A, 2005, 752, 273-278.	1.5	4
63	Coulomb excitation of neutron-rich Cd isotopes at REX-ISOLDE. AIP Conference Proceedings, 2006, , .	0.4	4
64	Transfer Reactions on Neutron-rich Nuclei at REX-ISOLDE. , 2009, , .		4
65	Study of the 131Ba nucleus with the ($$ vec d $$, t) reaction. European Physical Journal A, 2010, 46, 187-195.	2.5	4
66	Study of bound states in10Be by one neutron removal reactions of11Be. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 044009.	3.6	4
67	Structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>30</mml:mn></mml:mmultiscripts></mml:math> explored via in-beam <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray	2.9	4
68	Investigation of pair-correlated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ba</mml:mi><mml:mprescripts /><mml:none /><mml:mn>134</mml:mn></mml:mmultiscripts></mml:math> via the <mml:math	2.9	4
69	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ba</mml:mi><mml:mprescripts Spectroscopy of states in Ba136 using the Ba138(p,t) reaction. Physical Review C, 2021, 104, .	2.9	4
70	Characterization of low energy radioactive beams using direct reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 714, 176-187.	1.6	3
71	Conversion electrons from high-statisticsÎ²-decay measurements with the 8Ï€spectrometer at TRIUMF-ISAC. EPJ Web of Conferences, 2016, 123, 02005.	0.3	3
72	High-precision half-life measurement for the superallowed Fermi <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>Î²</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:r emitter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>22</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 96, .	2.9	3

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73	Proton therapy range verification method via delayed Î³-ray spectroscopy of a molybdenum tumour marker. Physics in Medicine and Biology, 2021, 66, 025005.	3.0	3
74	GEANT4 simulation of a range verification method using delayed Î³ spectroscopy of a 92Mo marker. Physics in Medicine and Biology, 2020, 65, 245047.	3.0	3
75	Isospin mixing and the cubic isobaric multiplet mass equation in the lowest <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>T</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>=</mml:mo><mml:mn>32</mml:mn></mml:mrow></mml:math> Observation of a large <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>-delayed neutron emission component in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>102</mml:mn></mml:mmultiscripts></mml:math> decay and identification of excited states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ba</mml:mi><mml:mprescripts /><mml:none /><mml:mn>145</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>La</mml:mi><mml:mprescripts /><mml:none /><mml:mn>145</mml:mn></mml:mmultiscripts></mml:math>	2.9	3
76		2.9	2
77		2.9	2
78	Corrigendum to â€œBenchmarking 136Xe neutrinoless Î²Î² decay matrix element calculations with the 138Ba(p,t) reactionâ€•[Phys. Lett. B 809 (2020) 135702]. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136532.	4.1	2
79	High-statistics $eta $-decay Measurements at TRIUMF-ISAC and the Transition from the $8pi $ Spectrometer to GRIFFIN. Acta Physica Polonica B, 2017, 48, 523.	0.8	2
80	Shape Coexistence in the Ru Isotopes; Multi-spectroscopic Study of (^{98})Ru and Beyond-mean-field Calculations. Acta Physica Polonica B, 2020, 51, 799.	0.8	2
81	In-beam <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>32</mml:mn></mml:mmultiscripts></mml:math> via direct reactions. Physical Review C, 2022, 105, .	2.9	2
82	Direct reactions for nuclear structure required for fundamental symmetry tests. EPJ Web of Conferences, 2016, 123, 03003.	0.3	1
83	High-resolution (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 357 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi>f</mml:mi></mml:mrow></mml:math> shell. Physical Review C, 2019, 100, .	2.9	1
84	Nuclear Structure of124Xe Studied with Î²+/EC-Decay. , 2015, , .		1
85	Intra- and inter-fraction relative range verification in heavy-ion therapy using filtered interaction vertex imaging. Physics in Medicine and Biology, 2021, , .	3.0	1
86	Proton capture on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">P</mml:mi><mml:mprescripts /><mml:none /><mml:mn>30</mml:mn></mml:mmultiscripts></mml:math> in novae: On the existence of states at 6.40 MeV and 6.65 MeV in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="norm	2.9	1
87	Improving the [sup 33]S(p,Î³)[sup 34]Cl Reaction Rate for Models of Classical Nova Explosions. , 2011, , .		0
88	The DEuterated SCintillator Array for Neutron Tagging. EPJ Web of Conferences, 2014, 66, 11040.	0.3	0
89	Investigation of the E2 and E3 matrix elements in200Hg using inelastic scattering. EPJ Web of Conferences, 2014, 66, 02088.	0.3	0
90	New Opportunities in Decay Spectroscopy with the GRIFFIN and DESCANT Arrays. Physics Procedia, 2015, 66, 465-470.	1.2	0

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91	High-Precision Half-Life Measurements for the Superallowed Fermi Î²⁺ Emitters ¹⁴O and ¹⁸Ne. , 2015, , .		0
92	New decay modes of the high-spin isomer of 124Cs. European Physical Journal A, 2017, 53, 1.	2.5	0
93	Nuclear Structure Studied with Direct Reactions for Fundamental Symmetry Tests. Acta Physica Polonica B, 2018, 49, 229.	0.8	0
94	Coulomb Excitation of ^{142}Xe. Acta Physica Polonica B, 2018, 49, 529.	0.8	0
95	High-precision half-life determination of ^{14}O via direct $$eta $$Âcounting. European Physical Journal A, 2022, 58, 1.	2.5	0