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	Investigation of pair correlated <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
2	High-precision half-life determination of ^{14}O via direct $$eta $$Âcounting. European Physical Journal A, 2022, 58, 1.	2.5	0
3	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="normal">P</mml:mi><mml:mprescripts /><mml:none /><mml:mn>30</mml:mn></mml:mmultiscripts></mml:math>	2.9	1
4	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
5	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:math> 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 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:mrow><mml:mn>145</mml:mn><mml:mo>,</mml:mo><mml:mn>146</mml:mn></mml:mrow></mml:mmultiscripts></mml:m	2.9	4
6		2.9	2
7	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
8	Spectroscopy of states in Ba136 using the Ba138(p,t) reaction. Physical Review C, 2021, 104, .	2.9	4
9	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
10	Coexisting normal and intruder configurations in 32Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136682.	4.1	6
11	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
12	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:mr , <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:m quintet. Physical Review C, 2021, 104, .	2.9	3
13	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
14	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 spectroscopy. Physical Review C, 2020, 102, .	2.9	4
15	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
16	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 Physical Review C, 2020, 101, .	2.9	28
17	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
18	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

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19	High-resolution (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 757 Td (xmlns:mml="http://www.w3.org/1998/Math/Math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi>f</mml:mi></mml:mrow></mml:ma shell. Physical Review C, 2019, 100, .	2.9	1
20	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></mm with the GRIFFIN spectrometer at TRIUMF. Physical Review C, 2019, 100, .	2.9	18
21	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
22	Microscopic structure of coexisting <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>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>68</mml:mn></mml:mmultiscripts></mml:math> probed via two-neutron transfer. Physical Review C, 2019, 99, .	2.9	8
23	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
24	Nuclear Structure Studied with Direct Reactions for Fundamental Symmetry Tests. Acta Physica Polonica B, 2018, 49, 229.	0.8	0
25	Coulomb Excitation of ^{142}Xe. Acta Physica Polonica B, 2018, 49, 529.	0.8	0
26	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
27	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
28	Implementation of the Doppler shift attenuation method using TIP/TIGRESS at TRIUMF: Fusion-evaporation lifetime measurements in 22 Ne. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 859, 8-17.	1.6	7
29	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
30	New decay modes of the high-spin isomer of 124Cs. European Physical Journal A, 2017, 53, 1.	2.5	0
31	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:m 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
32	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
33	Direct reactions for nuclear structure required for fundamental symmetry tests. EPJ Web of Conferences, 2016, 123, 03003.	0.3	1
34	Conversion electrons from high-statisticsÎ²-decay measurements with the 8Ï€spectrometer at TRIUMF-ISAC. EPJ Web of Conferences, 2016, 123, 02005.	0.3	3
35	Spectroscopy of low lying states in¹³⁶Cs. Journal of Physics: Conference Series, 2016, 689, 012026.	0.4	5
36	Searching for0+states inCr50: Implications for the superallowedÎ²decay ofMn50. Physical Review C, 2016, 94, .	2.9	6

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37	Spectroscopy of<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	2.9	2
38	Spectroscopy of<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>	2.9	17
39	reaction. Physical Review C, 2015, 93, .	2.9	21
40	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>	7.8	13
41	Experimental study of theNi66(d,p)ÂNi67one-neutron transfer reaction. Physical Review C, 2015, 91, .	2.9	9
42	High-precision half-life measurements for the superallowed FermiÎ²+emitterNe18. Physical Review C, 2015, 92, .	2.9	13
43	Spectroscopy ofNa28: Shell evolution toward the drip line. Physical Review C, 2015, 92, .	2.9	8
44	Deformation and mixing of coexisting shapes in neutron-deficient polonium isotopes. Physical Review C, 2015, 92, .	2.9	25
45	New Opportunities in Decay Spectroscopy with the GRIFFIN and DESCANT Arrays. Physics Procedia, 2015, 66, 465-470.	1.2	0
46	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
47	High-Precision Half-Life Measurements for the Superallowed Fermi Î²⁺ Emitters ¹⁴O and ¹⁸Ne. , 2015, , .		0
48	DESCANT andÎ²-delayed neutron measurements at TRIUMF. EPJ Web of Conferences, 2015, 93, 07005.	0.3	6
49	Low-energy Coulomb excitation of 62Fe and 62Mn following in-beam decay of 62Mn. European Physical Journal A, 2015, 51, 1.	2.5	7
50	Single-neutron orbits near 78 Ni: 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
51	Ground-state and pairing-vibrational bands with equal quadrupole collectivity inXe124. Physical Review C, 2015, 91, .	2.9	15
52	Nuclear Structure of124Xe Studied with Î²+/EC-Decay. , 2015, , .		1
53	The DEuterated SCintillator Array for Neutron Tagging. EPJ Web of Conferences, 2014, 66, 11040.	0.3	0
54	Investigation of the E2 and E3 matrix elements in200Hg using inelastic scattering. EPJ Web of Conferences, 2014, 66, 02088.	0.3	0

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55	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
56	Quadrupole-octupole coupled states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>112</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>populated in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>111</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>Coulomb excitation of neutron-rich Cd isotopes. Physical Review C, 2014, 89, .	2.9	10
57		2.9	26
58	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
59	Shape dynamics in neutron-rich Kr isotopes: Coulomb excitation of 92Kr, 94Kr and 96Kr. Nuclear Physics A, 2013, 899, 1-28.	1.5	40
60	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
61			

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73	Coulomb excitation of 31Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 181-186.	4.1	22
74	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 ETQq0 0 0 rgBT /Overlock 10	2.9	38
75	xmlns:mml=" Improving the [sup 33]S(p,Î³)[sup 34]Cl Reaction Rate for Models of Classical Nova Explosions. , 2011, , .		0
76	Study of the 131Ba nucleus with the ($$ vec d $$, t) reaction. European Physical Journal A, 2010, 46, 187-195.	2.5	4
77	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>24</mml:mn></mml:mmultiscripts></mml:math>by a Two-Neutron Transfer Reaction.	7.8	138
78	Positive parity states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><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
79	First identification of large electric monopole strength in well-deformed rare earth nuclei. , 2009, , .		5
80	Transfer Reactions on Neutron-rich Nuclei at REX-ISOLDE. , 2009, , .		4
81	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 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	2.9	14
82	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
83	Low-energy Coulomb excitation of neutron-rich zinc isotopes. Physical Review C, 2009, 79, .	2.9	58
84	Structure of 55Ti from relativistic one-neutron knockout. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 675, 22-27.	4.1	24
85	In-trap decay of 61Mn and Coulomb excitation of 61Mn/61Fe. European Physical Journal A, 2009, 42, 401.	2.5	19
86	Study of the 133Ba nucleus with the ($$ vec d $$, p) reaction. European Physical Journal A, 2009, 41, 299-313.	2.5	8
87	Study of the 130Ba nucleus with the (p, t) reaction. European Physical Journal A, 2008, 36, 243-250.	2.5	14
88	Coulomb Excitation of Neutron-Rich Zn Isotopes: First Observation of the21+State inZn80. Physical Review Letters, 2007, 99, 142501.	7.8	66
89	A new setup for transfer reactions at REX-ISOLDE. Progress in Particle and Nuclear Physics, 2007, 59, 386-388.	14.4	13
90	Coulomb excitation of neutron-rich 138,140,142Xe at REX-ISOLDE. European Physical Journal: Special Topics, 2007, 150, 127-129.	2.6	16

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91	Coulomb excitation of neutron-rich Cd isotopes at REX-ISOLDE. AIP Conference Proceedings, 2006, , .	0.4	4
92	The neutron-rich Mg isotopes: first results from MINIBALL at REX-ISOLDE. Nuclear Physics A, 2005, 752, 273-278.	1.5	4
93	Coulomb excitation of neutron-rich beams at REX-ISOLDE. European Physical Journal A, 2005, 25, 397-402.	2.5	13
94	â€œSafeâ€•Coulomb Excitation ofMg30. Physical Review Letters, 2005, 94, 172501.	7.8	66
95	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