

Alison M Bruce

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8555827/publications.pdf>

Version: 2024-02-01

94
papers

2,289
citations

172457

29
h-index

254184

43
g-index

95
all docs

95
docs citations

95
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Isomeric Decays in the ^{82}Cd Process Waiting-Point Nucleus Physical Review Letters, 2011, 101, 102501.	7.8	135
2	Isomeric states observed in heavy neutron-rich nuclei populated in the fragmentation of a ^{208}Pb beam. Physical Review C, 2011, 84, .	2.9	108
3	Recent results in fragmentation isomer spectroscopy with rising. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 1079-1083.	1.4	84
4	Gender differences in balance performance at the time of retirement. Clinical Biomechanics, 2005, 20, 330-335.	1.2	81
5	Single-particle behavior at ^{126}N : Isomeric decays in neutron-rich ^{204}Pt . Physical Review Letters, 2012, 109, 162502.	2.9	73
6	Decay Half-Lives of Neutron-Rich ^{94}N and ^{126}N : Spectroscopy of neutron-rich tantalum nuclei: Shape evolution in neutron-rich tungsten isotopes. Physical Review C, 2009, 80, .	2.9	69
7	Decay Half-Lives of Neutron-Rich ^{55}Cs . Physical Review Letters, 2012, 109, 162502.	2.9	68
8	Germanium-gated ^{13}F fast timing of excited states in fission fragments using the EXILL&FATIMA spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 210-220.	1.6	58
9	New Isomers in the Full Seniority Scheme of Neutron-Rich Lead Isotopes: The Role of Effective Three-Body Forces. Physical Review Letters, 2012, 109, 162502.	7.8	56
10	Lifetime measurements of the first ^{102}Zr states in $^{104,106}\text{Zr}$: Evolution of ground-state deformations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 448-452.	4.1	52
11	A LaBr_3 : Ce fast-timing array for DESPEC at FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 748, 91-95.	1.6	50
12	Evolution of the ^{82}N shell gap below ^{132}Sn inferred from core excited states in ^{131}In . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 313-316.	4.1	48
13	The ROSPHERE ^{13}F -ray spectroscopy array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 837, 1-10.	1.6	48
14	Half-Life Systematics across the ^{126}N Shell Closure: Role of First-Forbidden Transitions in the ^{126}N Decay of Heavy Neutron-Rich Nuclei. Physical Review Letters, 2017, 118, 032501.	7.8	45
15	First Spectroscopy of ^{60}N : Are There Signatures of Harmonic Oscillator Shells Far from Stability? First Spectroscopy of ^{60}N . Physical Review Letters, 2017, 118, 032501.	7.8	44
16	Decay of Heavy Neutron-Rich Nuclei. First Spectroscopy of ^{110}Zr . Physical Review Letters, 2017, 118, 032501.	7.8	41
17	Isomer Spectroscopy Using Relativistic Projectile Fragmentation at the $N=Z$ Line for $A \approx 140$. Nuclear Physics A, 2007, 787, 491-498.	1.5	40
18	Spherical proton-neutron structure of isomeric states in ^{128}Cd . Physical Review C, 2009, 79, .	2.9	39

#	ARTICLE	IF	CITATIONS
19	Experimental study of the lifetime and phase transition in neutron-rich Zr Weakly deformed oblate structures in Zr Physical Review C, 2009, 79, .	2.9	38
20	First observation of the decay of a ^{15}Li Triaxiality of neutron-rich Ge Physical Review C, 2009, 79, .	2.9	37
21	Proton-hole excitation in the closed shell nucleus ^{205}Au . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 116-119.	4.1	37
22	First measurement of beta decay half-lives in neutron-rich Tl and Bi isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 293-297.	4.1	34
23	Triaxiality of neutron-rich Ge First observation of the decay of a ^{15}Li Physical Review C, 2009, 79, .	2.9	34
24	Seniority in ^{15}Li Physical Review C, 2009, 79, .	2.9	33
25	Isomeric states in ^{208}Pb Nuclear structure of ^{208}Pb Physical Review C, 2014, 89, .	2.9	32
26	Isomeric states in ^{208}Hg Physical Review C, 2009, 79, .	2.9	31
27	Core-coupled states and split proton-neutron quasiparticle multiplets in ^{122}Tl Physical Review C, 2009, 79, .	2.9	31
28	Isomeric states in neutron-deficient ^{80}Ag Physical Review C, 2009, 80, .	2.9	29
29	Shell evolution beyond $Z = 28$ and $N = 50$: Spectroscopy of $^{81,82,83,84}Zn$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 492-497.	4.1	29
30	Abrupt shape transition at neutron number $N = 60$ Physical Review C, 2013, 87, .	2.9	29
31	Low-lying structure and shape evolution in neutron-rich Se isotopes. Physical Review C, 2017, 95, .	2.9	28
32	Electromagnetic transition rates in the ^{80}N nucleus Physical Review C, 2013, 87, .	2.9	25
33	^{126}Au -ray spectroscopy of ^{126}Au Physical Review C, 2013, 87, .	2.9	25
34	ISOMERIC DECAY STUDIES IN NEUTRON-RICH ^{126}N NUCLEI. International Journal of Modern Physics E, 2009, 18, 1002-1007.	1.0	24
35	Isomeric states in ^{127}Tl Physical Review C, 2009, 79, .	2.9	24
36	Mirror Energy Differences at Large Isospin Studied through Direct Two-Nucleon Knockout. Physical Review Letters, 2013, 111, 072501.	7.8	24

#	ARTICLE	IF	CITATIONS
37	Long-lived K isomer and enhanced $\hat{1}^3$ vibration in the neutron-rich nucleus ^{172}Dy : Collectivity beyond double midshell. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 641-646.	4.1	24
38	Shape-driving effects in the triaxial nucleus, ^{128}Xe . <i>Physical Review C</i> , 2006, 74, .	2.9	23
39	Neutron- π proton pairing competition in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Z} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ nuclei: Metastable state decays in the proton dripline nuclei ^{8241}Nb and ^{8643}Tc . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 660, 326-330.	4.1	23
40	FIRST RESULTS WITH THE RISING ACTIVE STOPPER. <i>International Journal of Modern Physics E</i> , 2008, 17, 8-20.	1.0	23
41	Multiple $\hat{1}^2$ decaying states in ^{194}Re : Shape evolution in neutron-rich osmium isotopes. <i>Physical Review C</i> , 2012, 85, .	2.9	21
42	Half-life of the yrast $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ state in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mn} \rangle 188 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ W: Evolution of deformation and collectivity in neutron-rich tungsten isotopes. <i>Physical Review C</i> , 2013, 88, .	2.9	21
43	Population of high-spin isomeric states following fragmentation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle / \rangle \langle \text{mml:mn} \rangle 238 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ U. <i>Physical Review C</i> , 2013, 88, .	2.9	21
44	Isomer spectroscopy of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal" \rangle Cd \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 127 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review C</i> , 2010, 82, .	2.9	20
45	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle (\langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{E} \langle \text{mml:mrow} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal" \rangle Kr \langle \text{mml:mi} \rangle \langle \text{mml:mpresc} \rangle$. <i>Physical Review C</i> , 2014, 90, .	2.9	20
46	K-mixing in the doubly mid-shell nuclide ^{170}Dy and the role of vibrational degeneracy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 762, 404-408.	4.1	20
47	Shape coexistence and isomeric states in neutron-rich ^{112}Tc and ^{113}Tc . <i>Physical Review C</i> , 2010, 82, .	2.9	18
48	New $\hat{1}^4$ isomers in the neutron-rich ^{210}Hg nucleus. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 292-296.	4.1	18
49	New isomer in ^{96}Y marking the onset of deformation at $N = 57$. <i>Europhysics Letters</i> , 2017, 117, 12001.	2.0	18
50	Measurement of picosecond lifetimes in neutron-rich Xe isotopes. <i>Physical Review C</i> , 2016, 94, .	2.9	17
51	Lifetime measurement of neutron-rich even-even molybdenum isotopes. <i>Physical Review C</i> , 2017, 95, .	2.9	17
52	Fast-timing lifetime measurements of excited states in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal" \rangle Cu \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 67 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review C</i> , 2014, 89, .	2.9	16
53	Structure of the isomeric states in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal" \rangle Sb \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 123 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 125 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$	2.9	15
54	Fast decay of a three-quasiparticle isomer in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal" \rangle Tm \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 171 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review C</i> , 2009, 79, .	2.9	15

#	ARTICLE	IF	CITATIONS
73	Gamma-ray fast-timing coincidence measurements from the $^{18}\text{O}+^{18}\text{O}$ fusion-evaporation reaction using a mixed LaBr ₃ -HPGe array. Applied Radiation and Isotopes, 2012, 70, 1337-1339.	1.5	7
74	Exciting isomers from the first stopped-beam RISING campaign. European Physical Journal: Special Topics, 2007, 150, 173-176.	2.6	6
75	Triplet energy differences and the low lying structure of ^{62}Ga . Physical Review C, 2015, 92, 014307.	2.9	6
76	Strengths in ^{62}Ga and ^{62}Ge . Physical Review C, 2015, 92, 014308.	2.9	6
77	First Results from the Stopped RISING Campaign at GSI: The Mapping of Isomeric Decays in Highly Exotic Nuclei. AIP Conference Proceedings, 2007, , .	0.4	4
78	Absolute E3 and M2 transition probabilities for the electromagnetic decay of the $I^{\pi}=K^{\pi}=8^{-}$ isomeric state in ^{132}Ce . European Physical Journal A, 2009, 42, 379.	2.5	4
79	Title is missing!. Acta Physica Polonica B, 2012, 43, 253.	0.8	4
80	Single-particle isomeric states in ^{121}Pd and ^{117}Ru . Journal of Physics: Conference Series, 2012, 366, 012029.	0.4	4
81	The UK NuSTAR Project. Acta Physica Polonica B, 2016, 47, 637.	0.8	4
82	[⁷ Li]-induced reactions for fast-timing with LaBr ₃ :Ce detectors. , 2012, , .		2
83	Half-life measurements of isomeric states populated in projectile fragmentation. AIP Conference Proceedings, 2012, , .	0.4	2
84	Multiple $I^{\pi}=8^{-}$ decaying states in ^{194}Re : Shape evolution in neutron-rich osmium isotopes [Phys. Rev. C 85 , 034301 (2012)]. Physical Review C, 2012, 85, .	2.9	2
85	New Insights into the Structure of Exotic Nuclei Using the RISING Active Stopper. , 2009, , .		1
86	Isomers in neutron-rich lead isotopes populated via the fragmentation of ^{238}U at 1 GeV A. Journal of Physics: Conference Series, 2011, 312, 092026.	0.4	1
87	I^{π} decay of ^{102}Y produced in projectile fission of ^{238}U . Journal of Physics: Conference Series, 2012, 381, 012053.	0.4	1
88	Activity after retirement. Physiotherapy Research International, 2006, 11, 51-55.	1.5	0
89	Electromagnetic Transition Rate Measurements in the $N=80$ Isotone, ^{138}Ce . Journal of Physics: Conference Series, 2012, 381, 012057.	0.4	0
90	Half-life of the $I^{\pi}=4^{-}$ Intruder State in ^{34}P Using LaBr ₃ :Ce Fast Timing. Journal of Physics: Conference Series, 2012, 381, 012063.	0.4	0

#	ARTICLE	IF	CITATIONS
91	Development of a LaBr ₃ (Ce) Fast-timing Array for FAIR. EPJ Web of Conferences, 2013, 63, 01018.	0.3	0
92	New Isomers in the Neutron-Rich Region Beyond 208Pb. EPJ Web of Conferences, 2014, 66, 02043.	0.3	0
93	First results of the (n, $\hat{1}^3$) EXILL campaigns at the Institut Laue Langevin using EXOGAM and FATIMA. Journal of Physics: Conference Series, 2014, 533, 012026.	0.4	0
94	RARE ISOTOPES INVESTIGATIONS AT GSI (RISING) USING RELATIVISTIC ION BEAMS. , 2006, , .		0