

# Alison M Bruce

## List of Publications by Year in descending order

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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	Half-life of the $15/2^+$ state of $^{135}\text{La}$ : A test of $E2$ seniority relations. Physical Review C, 2017, 95, .	2.9	10
2	Are There Signatures of Harmonic Oscillator Shells Far from Stability? First Spectroscopy of $^{110}\text{Zr}$ . Physical Review Letters, 2017, 118, 052501.	7.8	41
3	Decay Half-Lives of Neutron-Rich $^{55}\text{Cs}$ . Physical Review Letters, 2017, 118, 052501.	7.8	68
4	New isomer in $^{96}\text{Y}$ marking the onset of deformation at $N = 57$ . Europhysics Letters, 2017, 117, 12001.	2.0	18
5	Lifetime measurement of neutron-rich even-even molybdenum isotopes. Physical Review C, 2017, 95, .	2.9	17
6	Shell evolution beyond $Z = 28$ and $N = 50$ : Spectroscopy of $^{81,82,83,84}\text{Zn}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 492-497.	4.1	29
7	$K$ selection in the decay of the $^{110}\text{Zr}$ isomer.		

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19	Measurement of picosecond lifetimes in neutron-rich Xe isotopes. <i>Physical Review C</i> , 2016, 94, .	2.9	17
20	The UK NuSTAR Project. <i>Acta Physica Polonica B</i> , 2016, 47, 637.	0.8	4
21	Lifetime measurements of the first $2^+$ states in $^{104,106}\text{Zr}$ : Evolution of ground-state deformations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 352, 297-300.	2.9	12
22	Triplet energy differences and the low lying structure of $^{62}\text{Ga}$ . <i>Physical Review C</i> , 2015, 92, .	2.9	6
23	Gamma-ray Spectroscopy in the Vicinity of $^{108}\text{Zr}$ . <i>Acta Physica Polonica B</i> , 2015, 46, 721.	0.8	8
24	Lifetime of the yrast $1^+$ state in the transitional nucleus $^{120}\text{Zr}$ . <i>Physical Review C</i> , 2015, 91, 014307.	2.9	12
25	Test of the $\text{SO}(6)$ selection rule in $^{196}\text{Pt}$ using cold-neutron capture. <i>Nuclear Physics A</i> , 2015, 934, 1-7.	1.5	11
26	New Isomers in the Neutron-Rich Region Beyond $^{208}\text{Pb}$ . <i>EPJ Web of Conferences</i> , 2014, 66, 02043.	0.3	0
27	First results of the $(n, \hat{p})$ EXILL campaigns at the Institut Laue Langevin using EXOGAM and FATIMA. <i>Journal of Physics: Conference Series</i> , 2014, 533, 012026.	0.4	0
28	Fast-timing lifetime measurements of excited states in $^{209}\text{Bi}$ . <i>Physical Review C</i> , 2014, 90, .	2.9	20
29	Fast-timing lifetime measurements of excited states in $^{67}\text{Cu}$ . <i>Physical Review C</i> , 2014, 89, .	2.9	16
30	A LaBr <sub>3</sub> : Ce fast-timing array for DESPEC at FAIR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 748, 91-95.	1.6	50
31	$\hat{I}^2$ -decay studies of neutron-rich Tl, Pb, and Bi isotopes. <i>Physical Review C</i> , 2014, 89, .	2.9	32
32	Isomeric decay spectroscopy of the $^{217}\text{Bi}$ isotope. <i>Physical Review C</i> , 2014, 90, .	2.9	8
33	Closure: Role of First-Forbidden Transitions in the $^{126}\text{Sn}$ Isomer. <i>Physical Review Letters</i> , 2014, 112, 082501.	7.8	45
34	Germanium-gated $\hat{I}^2$ fast timing of excited states in fission fragments using the EXILL&FATIMA spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 763, 210-220.	1.6	58
35	$^{72}\text{Rh}$ and the role of triaxiality in its electromagnetic decay rate. <i>Physical Review C</i> , 2013, 88, .	2.9	11
36	New $\hat{I}^2$ isomers in the neutron-rich $^{210}\text{Hg}$ nucleus. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 292-296.	4.1	18

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37	Half-life of the ground state of $^{218}\text{Po}$ . <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline"><mml:msup><mml:mn>2</mml:mn></mml:msup></mml:math> state in <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline"><mml:msup><mml:mrow /><mml:mn>188</mml:mn></mml:msup></mml:math> W: Evolution of deformation and collectivity in neutron-rich tungsten isotopes. Physical Review C, 2013, 88, .	2.9	21
38	Population of high-spin isomeric states following fragmentation of $^{238}\text{U}$ . Physical Review C, 2013, 88, .	2.9	21
39	The population of metastable states as a probe of relativistic-energy fragmentation reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 302-306.	4.1	15
40	Half-life Measurements of Excited States in $^{132}\text{Te}$ and $^{134}\text{Xe}$ . Acta Physica Polonica B, 2013, 44, 403.	0.8	9
41	Mirror Energy Differences at Large Isospin Studied through Direct Two-Nucleon Knockout. Physical Review Letters, 2013, 111, 072501.	7.8	24
42	Electromagnetic transition rates in the $^{80}\text{Ni}$ nucleus. Physical Review C, 2013, 87, .	2.9	25
43	Delayed $^{138}\text{Ce}$ $\beta$ -ray spectroscopy of $^{138}\text{Ce}$ . Physical Review C, 2013, 87, .	2.9	25
44	Core-coupled states and split proton-neutron quasiparticle multiplets in $^{122}\text{Au}$ and $^{126}\text{Au}$ . Physical Review C, 2013, 87, .	2.9	31
45	Precision Lifetime Measurements Using LaBr <sub>3</sub> Detectors With Stable and Radioactive Beams. EPJ Web of Conferences, 2013, 63, 01008.	0.3	11
46	Development of a LaBr <sub>3</sub> (Ce) Fast-timing Array for FAIR. EPJ Web of Conferences, 2013, 63, 01018.	0.3	0
47	Title is missing!. Acta Physica Polonica B, 2012, 43, 253.	0.8	4
48	Trap-assisted separation of nuclear states for gamma-ray spectroscopy: the example of $^{100}\text{Nb}$ . Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 015101.	3.6	9
49	[ <sup>7</sup> Li]-induced reactions for fast-timing with LaBr <sub>3</sub> :Ce detectors. , 2012, , .		2
50	Half-life measurements of isomeric states populated in projectile fragmentation. AIP Conference Proceedings, 2012, , .	0.4	2
51	Multiple $^{194}\text{Re}$ decaying states in $^{194}\text{Re}$ : Shape evolution in neutron-rich osmium isotopes [Phys. Rev. C <b>85</b> (2012), 034301]. Physical Review C, 2012, 85, .	2.9	2
52	Multiple $^{194}\text{Re}$ decaying states in $^{194}\text{Re}$ : Shape evolution in neutron-rich osmium isotopes. Physical Review C, 2012, 85, .	2.9	21
53	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
54	Half-life of the $^{34}\text{M}$ state in $^{34}\text{M}$ . Physical Review C, 2012, 85, .	2.9	15

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55	$\hat{I}^2$ decay of $^{102}\text{Y}$ produced in projectile fission of $^{238}\text{U}$ . Journal of Physics: Conference Series, 2012, 381, 012053.	0.4	1
56	Electromagnetic Transition Rate Measurements in the $N=80$ Isotone, $^{138}\text{Ce}$ . Journal of Physics: Conference Series, 2012, 381, 012057.	0.4	0
57	Single-particle isomeric states in $^{121}\text{Pd}$ and $^{117}\text{Ru}$ . Journal of Physics: Conference Series, 2012, 366, 012029.	0.4	4
58	Half-life of the $I^{\pi} = 4^+$ Intruder State in $^{34}\text{P}$ Using $\text{LaBr}_3:\text{Ce}$ Fast Timing. Journal of Physics: Conference Series, 2012, 381, 012063.	0.4	0
59	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
60	Gamma-ray fast-timing coincidence measurements from the $^{180}\text{O} + ^{180}\text{O}$ fusion-evaporation reaction using a mixed $\text{LaBr}_3\text{-HPGe}$ array. Applied Radiation and Isotopes, 2012, 70, 1337-1339.	1.5	7
61	Isomers in neutron-rich lead isotopes populated via the fragmentation of $^{238}\text{U}$ at 1 GeV A. Journal of Physics: Conference Series, 2011, 312, 092026.	0.4	1
62	Isomeric states observed in heavy neutron-rich nuclei populated in the fragmentation of a $^{208}\text{Pb}$ beam. Physical Review C, 2011, 84, <a display="inline" href="http://www.w3.org/1998/Math/MathML">MathML</a>	2.9	108
63	Synthesis of $^{4+}$ isomer through ( $^{127}\text{N} + ^{127}\text{Os} \rightarrow ^{127}\text{Tf} + ^{50}\text{Td}$ )	2.9	33
64	Isomer spectroscopy of $^{127}\text{Os}$ . Physical Review C, 2010, 82, .	2.9	24
65	Shape coexistence and isomeric states in neutron-rich $^{112}\text{Tc}$ and $^{113}\text{Tc}$ . Physical Review C, 2010, 82, .	2.9	20
66	New Insights into the Structure of Exotic Nuclei Using the RISING Active Stopper. , 2009, .		1
67	Isomeric states in $^{208}\text{Pb}$ populated in the fragmentation of $^{208}\text{A} \rightarrow ^{80}\text{Os} + ^{122}\text{Ag}$	2.9	31
68	Weakly deformed oblate structures in $^{76}\text{Os}$ and $^{198}\text{Os}$	2.9	29
69	Fast decay of a three-quasiparticle isomer in $^{171}\text{Tm}$	2.9	37
70	spectroscopy of neutron-rich tantalum nuclei: Shape evolution in neutron-rich tungsten isotopes. Physical Review C, 2009, 80, .	2.9	69
71	Fast decay of a three-quasiparticle isomer in $^{171}\text{Tm}$	2.9	15

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73	ISOMERIC DECAY STUDIES IN NEUTRON-RICH $N \approx 126$ NUCLEI. International Journal of Modern Physics E, 2009, 18, 1002-1007.	1.0	24
74	Proton-hole excitation in the closed shell nucleus $^{205}\text{Au}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 116-119.	4.1	37
75	Evolution of the $N < 126$ shell gap below $^{132}\text{Sn}$ inferred from core excited states in $^{131}\text{In}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 313-316.	4.1	48
76	Structure of neutron-rich nuclei around the $N = 126$ closed shell; the yrast structure of $^{205}\text{Au}$ up to spin-parity $I^{\pi} = (19/2^+)$ . European Physical Journal A, 2009, 42, 489.	2.5	14
77	Absolute E3 and M2 transition probabilities for the electromagnetic decay of the $K^{\pi} = 8^{-}$ isomeric state in $^{132}\text{Ce}$ . European Physical Journal A, 2009, 42, 379.	2.5	4
78	Spherical proton-neutron structure of isomeric states in $^{128}\text{Cd}$ . Physical Review Letters, 2009, 103, 072501.	2.9	39
79	Neutron pairing competition in $N < Z$ nuclei: Metastable state decays in the proton dripline nuclei $^{8241}\text{Nb}$ and $^{8643}\text{Tc}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 660, 226-229.	4.1	23
80	FIRST RESULTS WITH THE RISING ACTIVE STOPPER. International Journal of Modern Physics E, 2008, 17, 8-20.	1.0	23
81	Singlet-particle behavior at $N = 126$ : Isomeric decays in neutron-rich $^{204}\text{Pt}$ . Physical Review C, 2008, 78, 044307.	2.9	73
82	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
83	Structure of the isomeric states in $^{123}\text{Sb}$ and $^{125}\text{Sb}$ . Physical Review C, 2007, 76, .	2.9	15
84	Lower limb muscle strength and physical activity in healthy individuals approaching retirement. Journal of Sports Sciences, 2007, 25, 835-842.	2.0	8
85	Observation of Isomeric Decays in the $r$ -Process Waiting-Point Nucleus $^{130}\text{Cd}$ . Physical Review Letters, 2007, 99, 132501.	7.8	135
86	Isospin purity of $T = 1$ states in the $A = 38$ nuclei studied via lifetime measurements in $^{38}\text{K}$ . Physical Review C, 2007, 75, .	2.9	12
87	Isomeric decay studies around $^{204}\text{Pt}$ and $^{148}\text{Tb}$ . European Physical Journal: Special Topics, 2007, 150, 165-168.	2.6	11
88	Exciting isomers from the first stopped-beam RISING campaign. European Physical Journal: Special Topics, 2007, 150, 173-176.	2.6	6
89	Recent results in fragmentation isomer spectroscopy with rising. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 1079-1083.	1.4	84
90	Isomer Spectroscopy Using Relativistic Projectile Fragmentation at the $N = Z$ Line for $A \approx 148$ . Nuclear Physics A, 2007, 787, 491-498.	1.5	40

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91	Activity after retirement. <i>Physiotherapy Research International</i> , 2006, 11, 51-55.	1.5	0
92	Shape-driving effects in the triaxial nucleus, $Xe^{128}$ . <i>Physical Review C</i> , 2006, 74, .	2.9	23
93	RARE ISOTOPES INVESTIGATIONS AT GSI (RISING) USING RELATIVISTIC ION BEAMS. , 2006, , .		0
94	Gender differences in balance performance at the time of retirement. <i>Clinical Biomechanics</i> , 2005, 20, 330-335.	1.2	81