

Catherine Scholey

List of Publications by Year in descending order

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80
papers

955
citations

430874

18
h-index

580821

25
g-index

82
all docs

82
docs citations

82
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopy and single-particle structure of the odd- Z heavy elements 255Lr, 251Md and 247Es. European Physical Journal A, 2006, 30, 397-411.	2.5	87
2	Evidence for non-yrast states in 254No. European Physical Journal A, 2005, 26, 227-232.	2.5	40
3	Blurring the Boundaries: Decays of Multiparticle Isomers at the Proton Drip Line. Physical Review Letters, 2014, 112, 092501.	7.8	30
4	$\frac{1}{2}^{\pm}$ -decay studies of the francium isotopes ^{198}Fr and ^{199}Fr . Physical Review C, 2013, 87, .	2.9	29
5	Spectroscopy of the proton drip-line nucleus ^{203}Fr . Physical Review C, 2013, 87, .	2.9	28
6	Structure of rotational bands in 253No. European Physical Journal A, 2009, 42, 333.	2.5	27
7	A new differentially pumped plunger device to measure excited-state lifetimes in proton emitting nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 707, 143-148.	1.6	27
8	Proton emission from an oblate nucleus ^{151}Lu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 79-84.	4.1	25
9	In-beam spectroscopy of 253, 254No. European Physical Journal A, 2002, 15, 205-208.	2.5	24
10	Octupole correlations in the structure of ^{20}N nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 707, 143-148.	2.9	24
11	Excited states and reduced transition probabilities in ^{26}O . Physical Review C, 2016, 94, .	2.9	24
12	Direct observation of the ^{114}Ba α decay. Physical Review C, 2015, 91, .	2.9	22
13	Measurement of the first excited state in ^{112}Te . Physical Review C, 2015, 91, .	2.9	20
14	In-beam and decay spectroscopy of transfermium elements. European Physical Journal A, 2005, 25, 599-604.	2.5	19
15	Alpha-decay study of ^{218}U ; a search for the sub-shell closure at $Z = 92$. European Physical Journal A, 2005, 25, 183-184.	2.5	19
16	Towards saturation of the electron-capture delayed fission probability: The new isotopes ^{240}Es and ^{236}Bk . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 265-270.	4.1	19
17	Identification of new transitions feeding the high-spin isomers in ^{139}Nd and ^{140}Nd nuclei. Physical Review C, 2013, 87, .	2.9	18
18	Reduced transition probabilities along the yrast line in ^{166}W . Physical Review C, 2017, 96, .	2.9	18

#	ARTICLE	IF	CITATIONS
19	Ray and decay spectroscopy of ^{13}Li . Physical Review C, 2013, 88, .	2.9	17
20	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	17
21	Recoil- β tagging study of the $N=Z$ nucleus ^{66}As . Physical Review C, 2013, 88, .	2.9	16
22	High-spin spectroscopy of ^{140}Nd . Physical Review C, 2013, 88, .	2.9	15
23	Detailed spectroscopy of ^{19}Bi . Physical Review C, 2015, 92, .	2.9	15
24	^{201}At including the observation of a shears band and the ^{29}Lu decay of the ^{199}As . Physical Review C, 2014, 89, .	2.9	15
25	^{14}h in ^{199}As . Physical Review C, 2014, 89, .	2.9	14
26	Oblately deformed isomeric proton-emitting state in ^{151}Lu . Physical Review C, 2014, 89, .	2.9	14
27	^{151}Lu . Physical Review C, 2015, 91, .	2.9	14
28	Recoil-fission tagging of the transfermium nucleus ^{252}No . European Physical Journal A, 2006, 28, 301-306.	2.5	13
29	In-beam gamma-ray spectroscopy of $^{190,197}\text{Po}$. European Physical Journal A, 2007, 34, 275-281.	2.5	13
30	Spectroscopy of proton-rich ^{66}Se up to $^{13}\text{J}^{\pi}$. Physical Review C, 2013, 88, .	2.9	13
31	Confirmation of the new isotope ^{178}Pb . Physical Review C, 2016, 94, .	2.9	12
32	Spectroscopic factor and proton formation probability for the $d_{3/2}$ proton emitter ^{151}Lu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 83-87.	4.1	12
33	RDDS lifetime measurement with JUROGAM + RITU. European Physical Journal A, 2005, 25, 441-442.	2.5	11
34	Multiparticle configurations of excited states in ^{155}Lu . Physical Review C, 2016, 94, .	2.9	11
35	Enhancing the sensitivity of recoil-beta tagging. Journal of Instrumentation, 2013, 8, P04025-P04025.	1.2	10
36	Alpha-decay studies using the JYFL gas-filled recoil separator RITU. European Physical Journal A, 2005, 25, 179-180.	2.5	9

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37	Recoil decay tagging study of ^{146}Tm . European Physical Journal A, 2005, 25, 155-157. Characterizing the atomic mass surface beyond the proton drip line via $\hat{I} \pm$ -decay measurements of the	2.5	9
38	Isomer-tagged differential-plunger measurements in ^{200}Po and ^{200}Pb . Physical Review C, 2016, 94, . Spectroscopy of ^{200}Po and ^{200}Pb . Physical Review C, 2016, 94, .	2.9	9
39	Isomer-tagged differential-plunger measurements in ^{200}Po and ^{200}Pb . Physical Review C, 2016, 94, . Spectroscopy of ^{200}Po and ^{200}Pb . Physical Review C, 2016, 94, .	2.9	9
40	De-excitation of the strongly coupled band in ^{177}Au and implications for core intruder configurations in the light Hg isotopes. Physical Review C, 2017, 95, .	2.9	9
41	De-excitation of the strongly coupled band in ^{177}Au and implications for core intruder configurations in the light Hg isotopes. Physical Review C, 2017, 95, .	2.9	9
42	In-beam spectroscopy at the RITU gas-filled recoil separator. European Physical Journal A, 2003, 20, 87-92.	2.5	8
43	In-beam gamma-ray spectroscopy of ^{254}No . European Physical Journal A, 2005, 25, 605-607. Evolving collective structures in the transitional nuclei ^{162}W and ^{164}W .	2.5	8
44	Backbending in the pear-shaped ^{223}Th nucleus: Evidence of a high-spin octupole to quadrupole shape transition in the actinides. Physical Review C, 2017, 95, .	2.9	8
45	Backbending in the pear-shaped ^{223}Th nucleus: Evidence of a high-spin octupole to quadrupole shape transition in the actinides. Physical Review C, 2017, 95, .	2.9	8
46	Spin-dependent evolution of collectivity in ^{112}Te . Physical Review C, 2017, 96, .	2.9	8
47	Detailed spectroscopy of ^{195}Bi . Physical Review C, 2017, 96, .	2.9	8
48	First observation of superdeformed states in ^{191}Bi . European Physical Journal A, 2015, 51, 1.	2.5	7
49	Experimental study of isomeric intruder $12+$ states in $^{197,203}\text{At}$. Physical Review C, 2017, 95, .	2.9	7
50	Comparison of gamma-ray coincidence and low-background gamma-ray singles spectrometry. Applied Radiation and Isotopes, 2012, 70, 392-396.	1.5	6
51	Low-lying excited states in the neutron-deficient isotopes ^{163}Os and ^{165}Os . Physical Review C, 2013, 87, .	2.9	6
52	Recoil-decay tagging spectroscopy of ^{74}Re . Physical Review C, 2015, 92, . Collective excitations in the transitional nuclei ^{163}Re and ^{163}W .	2.9	6
53	Deformation of the proton emitter ^{113}Cs from electromagnetic transition and proton-emission rates. Physical Review C, 2016, 94, .	2.9	6
54	Deformation of the proton emitter ^{113}Cs from electromagnetic transition and proton-emission rates. Physical Review C, 2016, 94, .	2.9	6

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55	Spectroscopy at the two-proton drip line: Excited states in ^{158}W . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 703-707.	4.1	6
56	Lifetime measurement in ^{195}Po . European Physical Journal A, 2009, 39, 291-294.	2.5	5
57	Determination of $\hat{I}\pm$ -decay branching ratios for $^{178}, ^{179}\text{Hg}$. European Physical Journal A, 2012, 48, 1.	2.5	5
58	High-spin states beyond the proton drip-line: Quasiparticle alignments in ^{113}Cs . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 243-249.	4.1	5
59	Identification of the $\hat{I}\epsilon=1\hat{\alpha}$ state in ^{218}Ra populated via $\hat{I}\pm$ decay of ^{222}Th . Physical Review C, 2016, 94, .	2.9	5
60	Lifetime measurements of excited states in ^{162}W and ^{164}W and ^{164}W using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.9	5
61	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
62	Identification of a dipole band above the $\hat{I}\epsilon=31/2\hat{\alpha}$ isomeric state in ^{189}Pb . Physical Review C, 2015, 92, .	2.9	4
63	Excited states in the proton-unbound nuclide ^{158}Ta . Physical Review C, 2016, 93, .	2.9	4
64	Recoil Beta Tagging: Application to the study of odd-odd near proton drip line nuclei, ^{74}Rb and ^{78}Y . European Physical Journal: Special Topics, 2007, 150, 147-148.	2.6	3
65	New developments on the recoil distance doppler-shift method. Journal of Physics: Conference Series, 2010, 205, 012043.	0.4	3
66	First identification of rotational band structures in ^{175}Re . Physical Review C, 2015, 92, .	2.9	3
67	Search for the terminating $27\hat{\alpha}$ state in ^{140}Nd . Physical Review C, 2015, 92, .	2.9	3
68	Decay spectroscopy of ^{182}Pb and evidence for a $9/2\hat{\alpha}$ intruder state in ^{179}Tl . Physical Review C, 2017, 96, .	2.9	3
69	Probing the three shapes in ^{186}Pb using in-beam \hat{I}^3 -ray spectroscopy. European Physical Journal A, 2005, 25, 449-450.	2.5	2
70	X(5) critical-point symmetries in ^{138}Gd . Journal of Physics: Conference Series, 2012, 381, 012062.	0.4	2
71	Transition probability studies in ^{175}Au . Journal of Physics: Conference Series, 2013, 420, 012047.	0.4	2
72	Spectroscopy of ^{161}Hf from low to high spin. Physical Review C, 2014, 90, .	2.9	2

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73	Competing Decay Modes of a High-spin Isomer in the Proton-unbound Nucleus ^{158}Ta . Acta Physica Polonica B, 2015, 46, 695.	0.8	2
74	Lifetime measurements in ^{166}Re : Collective versus magnetic rotation. Physical Review C, 2016, 93, .	2.9	2
75	Study of Intermediate-spin States of ^{98}Y . Acta Physica Polonica B, 2016, 47, 911.	0.8	2
76	Reinvestigation of the excited states in the proton emitter Lu151 : Particle-hole excitations across the N=Z=64 subshell. Physical Review C, 2017, 96, .	2.9	1
77	Collectivity in neutron-deficient Pb and Po nuclei. European Physical Journal: Special Topics, 2007, 150, 121-122.	2.6	0
78	The isomeric structure of ^{132}Pr . Journal of Physics: Conference Series, 2012, 381, 012126.	0.4	0
79	First prompt in-beam $\hat{1}^3$ -ray spectroscopy of a superheavy element: the ^{256}Rf . Journal of Physics: Conference Series, 2013, 420, 012010.	0.4	0
80	In-beam $\hat{1}^3$ -ray spectroscopy of low- and medium-spin levels in ^{211}Po . Physical Review C, 2017, 96, .	2.9	0