

Catherine Scholey

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	In-beam $\hat{1}^3$ -ray spectroscopy of low- and medium-spin levels in ^{211}Po . Physical Review C, 2017, 96, .	2.9	0
4	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
5	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
6	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
7	Reduced transition probabilities along the yrast line in ^{166}W . Physical Review C, 2017, 96, .	2.9	18
8	Reinvestigation of the excited states in the proton emitter ^{151}Lu : Particle-hole excitations across the $N=Z=64$ subshell. Physical Review C, 2017, 96, .	2.9	1
9	Spin-dependent evolution of collectivity in ^{112}Te . Physical Review C, 2017, 96, .	2.9	8
10	Experimental study of isomeric intruder $12+$ states in ^{203}At . Physical Review C, 2017, 95, .	2.9	7
11	Lifetime measurements of excited states in ^{162}W and ^{162}Yb . Physical Review C, 2017, 96, .	2.9	5
12	Detailed spectroscopy of ^{195}Bi . Physical Review C, 2017, 96, .	2.9	8
13	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
14	Decay spectroscopy of ^{217}Pb and evidence for a $9/2^+$ intruder state in ^{217}Tl . Physical Review C, 2017, 96, .	2.9	3
15	Multiparticle configurations of excited states in ^{155}Lu . Physical Review C, 2016, 94, .	2.9	11
16	Deformation of the proton emitter ^{113}Cs from electromagnetic transition and proton-emission rates. Physical Review C, 2016, 94, .	2.9	6
17	Excited states in the proton-unbound nuclide ^{114}Ba . Physical Review C, 2016, 94, .	2.9	22
18	Excited states in the proton-unbound nuclide ^{158}Ta . Physical Review C, 2016, 93, .	2.9	4

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19	Lifetime measurements in ^{166}Re . Physical Review C, 2016, 94, .	2.9	2
20	Evolving collective structures in the transitional nuclei ^{162}W . Physical Review C, 2016, 94, .	2.9	8
21	Collective structures in the transitional nuclei ^{70}Kr . Physical Review C, 2016, 94, .	2.9	9
22	Confirmation of the new isotope ^{178}Pb . Physical Review C, 2016, 94, .	2.9	12
23	Identification of the 1^{\pm} state in ^{218}Ra populated via α decay of ^{222}Th . Physical Review C, 2016, 94, .	2.9	5
24	Excited states and reduced transition probabilities in ^{168}Os . Physical Review C, 2016, 94, .	2.9	24
25	Study of Intermediate-spin States of ^{98}Y . Acta Physica Polonica B, 2016, 47, 911.	0.8	2
26	First identification of rotational band structures in ^{175}Re . Physical Review C, 2015, 92, .	2.9	3
27	Recoil-decay tagging spectroscopy of ^{162}W . Physical Review C, 2015, 92, .	2.9	6
28	Search for the terminating 2^{\pm} state in ^{140}Nd . Physical Review C, 2015, 92, .	2.9	3
29	Identification of a dipole band above the 31^{\pm} isomeric state in ^{189}Pb . Physical Review C, 2015, 92, .	2.9	4
30	Lifetime measurement of the first excited 2^+ state in ^{112}Te . Physical Review C, 2015, 91, .	2.9	20
31	Detailed spectroscopy of ^{193}Bi . Physical Review C, 2015, 92, .	2.9	15
32	Oblately deformed isomeric proton-emitting state in ^{151}Lu . Physical Review C, 2015, 91, .	2.9	14
33	Collective structures in the transitional nuclei ^{201}At . Physical Review C, 2015, 91, .	2.9	15
34	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
35	Collective structures in the transitional nuclei ^{163}Re . Physical Review C, 2015, 91, .	2.9	6
36	First observation of superdeformed states in ^{191}Bi . European Physical Journal A, 2015, 51, 1.	2.5	7

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37	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
38	Spectroscopy of Hf161 from low to high spin. Physical Review C, 2014, 90, . Experimental study of γ	2.9	2
39	Blurring the Boundaries: Decays of Multiparticle Isomers at the Proton Drip Line. Physical Review Letters, 2014, 112, 092501.	7.8	30
40	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, . γ -decay of the ^{161}Hf	2.9	17
41	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
42	High-spin spectroscopy of ^{140}Nd . Physical Review C, 2013, 88, .	2.9	15
43	Isomer-tagged differential-plunger measurements in ^{54}Xe . Physical Review C, 2013, 87, .	2.9	9
44	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
45	Identification of new transitions feeding the high-spin isomers in ^{139}Nd and ^{140}Nd nuclei. Physical Review C, 2013, 87, .	2.9	18
46	Low-lying excited states in the neutron-deficient isotopes ^{163}Os and ^{164}Os . Physical Review C, 2013, 87, .	2.9	6
47	Ray and decay spectroscopy of ^{194}Fr and ^{195}Fr . Physical Review C, 2013, 88, .	2.9	17
48	Spectroscopy of the proton drip-line nucleus ^{203}Fr . Physical Review C, 2013, 87, .	2.9	28
49	Decay studies of the francium isotopes ^{198}Fr and ^{199}Fr . Physical Review C, 2013, 87, .	2.9	29
50	Recoil- β -tagging study of the $N=Z$ nucleus ^{66}As . Physical Review C, 2013, 88, .	2.9	16
51	Spectroscopy of proton-rich ^{66}Se up to $J^\pi = 1^+$	2.9	13
52	Octupole correlations in the structure of ^{88}N nuclei	2.9	24
53	Isospin-breaking effect in the ^{88}N nuclei	2.9	24

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73	RDDS lifetime measurement with JUROGAM + RITU. European Physical Journal A, 2005, 25, 441-442.	2.5	11
74	In-beam and decay spectroscopy of transfermium elements. European Physical Journal A, 2005, 25, 599-604.	2.5	19
75	Probing the three shapes in ^{186}Pb using in-beam $\hat{\Gamma}^3$ -ray spectroscopy. European Physical Journal A, 2005, 25, 449-450.	2.5	2
76	Alpha-decay studies using the JYFL gas-filled recoil separator RITU. European Physical Journal A, 2005, 25, 179-180.	2.5	9
77	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
78	Recoil decay tagging study of ^{146}Tm . European Physical Journal A, 2005, 25, 155-157.	2.5	9
79	In-beam spectroscopy at the RITU gas-filled recoil separator. European Physical Journal A, 2003, 20, 87-92.	2.5	8
80	In-beam spectroscopy of $^{253, 254}\text{No}$. European Physical Journal A, 2002, 15, 205-208.	2.5	24