

Samuel Tabor

List of Publications by Year in descending order

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69
papers

1,212
citations

331670

21
h-index

395702

33
g-index

69
all docs

69
docs citations

69
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematics of even-even $T_z = 1$ nuclei in the $A = 80$ region: High-spin rotational bands in ^{74}Kr , ^{78}Sr , and ^{82}Zr . <i>Physical Review C</i> , 1997, 56, 98-117.	2.9	83
2	Development of shell closures at $N=32,34$. $I^{\pi}2$ decay of neutron-rich Sc isotopes. <i>Physical Review C</i> , 2004, 70, .	2.9	76
3	Level structure of the neutron-rich $^{56,58,60}\text{Cr}$ isotopes: Single-particle and collective aspects. <i>Physical Review C</i> , 2006, 74, .	2.9	75
4	Shape coexistence effects and quasiparticle alignment in ^{81}Sr . <i>Physical Review C</i> , 1988, 38, 696-711.	2.9	67
5	$I^{\pi}2$ decay studies of the neutron-rich ^{56}Ti isotopes. <i>Physical Review C</i> , 2003, 67, .	2.9	52
6	Yrast structures in the neutron-rich isotopes ^{56}Fe and ^{58}Fe . <i>Physical Review C</i> , 2011, 83, .	2.9	52
7	the role of the $0^+ \rightarrow 2^+$ transition in the ^{56}Ti isotopes. <i>Physical Review C</i> , 2012, 85, .	2.9	42
8	ftvalue of the $0^+ \rightarrow 2^+$ transition in ^{32}Ar : A measurement of isospin symmetry breaking in a superallowed decay. <i>Physical Review C</i> , 2008, 77, .	2.9	42
9	Observation of a two-neutron cascade from a resonance in ^{58}Fe . <i>Physical Review C</i> , 2011, 83, .	2.9	42
10	Influence of the $0^+ \rightarrow 2^+$ transition in ^{56}Ti isotopes. <i>Physical Review C</i> , 2012, 85, .	2.9	42
11	Identification and Quadrupole-Moment Measurement of a Superdeformed Band in ^{84}Zr . <i>Physical Review Letters</i> , 1995, 75, 1471-1474.	7.8	41
12	Signature inversion and the first observation of a magnetic dipole band in odd-odd rubidium isotopes: ^{82}Rb . <i>Physical Review C</i> , 1999, 59, 71-81.	2.9	32
13	$I^{\pi}2$ -decay of odd- A ^{57}Mn and ^{59}Mn . <i>Physical Review C</i> , 2005, 72, .	2.9	30
14	High-spin structures in the neutron-rich isotopes ^{57}Mn and ^{59}Mn . <i>Physical Review C</i> , 2010, 81, .	2.9	30
15	Competition between normal and intruder states inside the β -island of inversion. <i>Physical Review C</i> , 2007, 76, .	2.9	28
16	Approaching the β -island of inversion. <i>Physical Review C</i> , 2009, 80, .	2.9	28
17	$I^{\pi}2$ -decay properties of ^{55}Ti and ^{56}Ti . <i>Physical Review C</i> , 2003, 68, .	2.9	27
18	Half-life and spin of ^{60}Mn . <i>Physical Review C</i> , 2006, 73, .	2.9	26
19	Band structures and alignment properties in ^{74}Se . <i>Physical Review C</i> , 1998, 57, 2912-2923.	2.9	23

#	ARTICLE	IF	CITATIONS
19	Disappearance of the $\nu_{1/2}^{-}$ shell in ^{14}N . Physical Review C, 2009, 80, .	2.9	22
20	Cross-shell excitations near the β -island of inversion. Structure of ^{20}Mg . Physical Review C, 2010, 82, .	2.9	21
21	New band structures and an unpaired crossing in ^{78}Kr . Physical Review C, 1999, 59, 655-664.	2.9	21
22	Structure of ^{38}Cl and the quest for a comprehensive shell model interaction. Physical Review C, 2019, 100, .	2.9	21
23	Accurate Lifetime Measurements of Superdeformed Bands in $^{148}\text{Nuclei}$. Physical Review Letters, 1999, 83, 5447-5450.	7.8	20
24	Evolution of the $\nu_{1/2}^{-}$ and 28 shell gaps and two-particle-two-hole states in the FSU interaction. Physical Review Research, 2020, 2, .	3.6	20
25	Rotational and vibrational excitations in ^{84}Zr studied through in-beam and $^{84}\text{Nb}^{\beta 2}$ -decay spectroscopy. Physical Review C, 2003, 67, .	2.9	17
26	Spectroscopy of ^{25}Ne and the $N=16$ magic number. Physical Review C, 2005, 72, .	2.9	17
27	Split Isobaric Analog State in ^{55}Ni : Case of Strong Isospin Mixing. Physical Review Letters, 2013, 111, 262501.	7.8	17
28	Interband Transitions between Superdeformed Bands in ^{87}Nb : Evidence for a Superintruder Orbital. Physical Review Letters, 1997, 78, 614-617.	7.8	16
29	Transition strengths in odd-odd ^{86}Nb . Physical Review C, 2000, 62, .	2.9	15
30	Band crossings in the positive-parity high-spin states of ^{83}Rb and ^{85}Y . Physical Review C, 1999, 60, .	2.9	14
31	Band terminations in the valence space of ^{86}Zr . Physical Review C, 2000, 61, .	2.9	14
32	Onset of collectivity in the odd-odd nucleus ^{72}As . Physical Review C, 1994, 49, 2419-2426.	2.9	13
33	Multi-intruder structures in ^{34}P . Physical Review C, 2012, 85, .	2.9	13
34	Evolution of collectivity with spin in ^{81}Y . Physical Review C, 2002, 66, .	2.9	12
35	Transition strengths and band terminations in ^{86}Zr . Physical Review C, 2003, 67, .	2.9	12
36	Evidence for yrast positive-parity high-spin states in odd-odd ^{72}As . Physical Review C, 1998, 57, 97-103.	2.9	11

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37	Lifetime of the 21^+ state and densities for the $0g.s. + \hat{\alpha}^+ 21^+$ transition in ^{18}Ne . Physical Review C, 2003, 68, .	2.9	10
38	The identical bands in ^{177}Ta . Zeitschrift für Physik A, 1993, 346, 319-320.	0.9	8
39	Nuclear structure of neutron-rich ^{78}As . Zeitschrift für Physik A, 1996, 354, 345-346.	0.9	8
40	Transition strengths in odd-odd ^{80}Rb . Physical Review C, 2000, 61, .	2.9	8
41	Lifetime measurements and terminating structures in ^{87}Nb . Physical Review C, 2003, 67, .	2.9	8
42	Voyage to the "Island of Inversion" ^{29}Na . European Physical Journal A, 2005, 25, 101-103.	2.5	8
43	Transition strengths and the role of the $f_{7/2}$ orbital in ^{71}As . Physical Review C, 2011, 83, .	2.9	8
44	Collective structure in ^{70}As . Physical Review C, 1997, 56, 2869-2872.	2.9	7
45	Collective excitations and shape changes in ^{80}Y . Physical Review C, 2004, 69, .	2.9	7
46	Transition strengths and degree of deformation in ^{79}Sr . Physical Review C, 2007, 75, .	2.9	7
47	β decay of ^{71}Si		

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55	Band structures and shape coexistence in 187Pt. European Physical Journal A, 2012, 48, 1.	2.5	2
56	Complete spectroscopy of ^{209}Po below 2.0 MeV via the $(^{209}\text{Tl}, ^{209}\text{Pb})$ reaction. <i>Physical Review Letters</i> , 2019, 123, 122501.	2.9	2
57	Odd nuclei in the α -decay of ^{211}Po . Acta Physica Hungarica A Heavy Ion Physics, 1995, 2, 239-253.	0.4	2
58	Experiments with Sub-Nanosecond Tandem Beam Pulses. IEEE Transactions on Nuclear Science, 1983, 30, 1504-1507.	2.0	1
59	MoNA – The Modular Neutron Array at the NSCL. AIP Conference Proceedings, 2003, , .	0.4	1
60	High-spin states and deformation properties in 187Pt. AIP Conference Proceedings, 2007, , .	0.4	1
61	decay of ^{209}Po . <i>Physical Review Letters</i> , 2019, 123, 122501.	2.9	1
62	Intruder Configurations in the A=33 Isobars: Mg33 and Al33. , 0, .		1
63	Onset of band structure in ^{70}Ga . <i>Physical Review C</i> , 2022, 105, .		1
64	Angle-corrected doppler-shift attenuation analysis. , 1997, , .		0
65	Comparative lifetimes of superdeformed bands in $A \approx 1480$ Nuclei. , 1999, , .		0
66	Beta-delayed γ -ray studies of $7/2^- - 1/2^+$ pf shell nuclei. European Physical Journal: Special Topics, 2007, 150, 135-136.	2.6	0
67	SPECTROSCOPY OF 28,29,30NA: EVOLUTION OF SHELL STRUCTURE WITH ISOSPIN. , 2008, , .		0
68	CROSS-SHELL EXCITATIONS IN NEUTRON-RICH s-d SHELL NUCLEI. , 2013, , .		0
69	First γ -Decay Studies with CARIBU Low-Energy Exotic Beams. , 2015, , .		0