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	Onset of band structure in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ga</mml:mi><mml:mprescripts /><mml:none /><mml:mn>70</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105, .	2.9	1
2	Impact of nucleon transfer channels on complete fusion in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>6</mml:mn><mml:mo>,</mml:mo><mml:mn>7</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>58</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> reactions near the Coulomb barrier. Physical Review C, 2021, 104, .	2.9	3
3	Evolution of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>20</mml:mn></mml:mrow></mml:math> and 28 shell gaps and two-particle-two-hole states in the FSU interaction. Physical Review Research, 2020, 2, .	3.6	20
4	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>Î²</mml:mi><mml:mo>â^’</mml:mo></mml:msup></mml:math> decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>T</mml:mi><mml:mi>z</mml:mi></mml:msub></mml:mrow></mml:math> isotopes <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Al</mml:mi><mml:. Physical Review C, 2019, 100, .	2.9	1
5	High spin states of the normally deformed bands of Y83. Physical Review C, 2019, 100, .	2.9	3
6	Structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>38</mml:mn></mml:mmultiscripts></mml:math> and the quest for a comprehensive shell model interaction. Physical Review C, 2019, 100, .	2.9	21
7	Multiple band structures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="bold">Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mn>70</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 97, .	2.9	4
8	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mi>Î²</mml:mi></mml:msup></mml:mrow></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="bold">Si</mml:mi><mml:mprescripts /><mml:none		

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19	Observation of a two-neutron cascade from a resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>24</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review	2.9	42
20	Cross-shell excitations near the â€œisland of inversionâ€• Structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review	2.9	22
21	High-spin structures in the neutron-rich isotopes<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Mn</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>57</mml:mn><mml:mo>â^'</mml:mo><mml:mn>60</mml:mn></mml:mrow></mml:mmultiscripts></mml:ma	2.9	30
22	Disappearance of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>14</mml:mn></mml:mrow></mml:math>shell. Physical Review C, 2009, 80, .	2.9	23
23	Approaching the â€œisland of inversionâ€•<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">P</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>34</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2009, 80, .	2.9	28
24	Linear polarization measurements and negative-parity states inSr80. Physical Review C, 2008, 78, .	2.9	2
25	ftvalue of the0+â†'0+Î²+decay ofAr32: A measurement of isospin symmetry breaking in a superallowed decay. Physical Review C, 2008, 77, .	2.9	42
26	SPECTROSCOPY OF 28,29,30NA: EVOLUTION OF SHELL STRUCTURE WITH ISOSPIN. , 2008, , .		0
27	High-spin states and deformation properties in 187Pt. AIP Conference Proceedings, 2007, , .	0.4	1
28	Competition between normal and intruder states inside the â€œisland of inversionâ€• Physical Review C, 2007, 76, .	2.9	28
29	Transition strengths and degree of deformation inSr79. Physical Review C, 2007, 75, .	2.9	7
30	Yrast structures in the neutron-rich isotopes<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>59</mml:mn></mml:mrow><mml:mo>,</mml:mo><mml:mn>60</mml:mn></mml:mrow></mml:mmultiscripts></mml:math the role of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>g</mml:mi><mml:mrow><mml:mn>9</mml:mn></mml:mrow><mml:mo>/</mml:mo><mml:mn>	2.9	52
31	Beta-delayed Î³-ray studies of Ï€f7/2 - Î½pf shell nuclei. European Physical Journal: Special Topics, 2007, 150, 135-136.	2.6	0
32	Half-life and spin of60Mng. Physical Review C, 2006, 73, .	2.9	26
33	Level structure of the neutron-richCr56,58,60isotopes: Single-particle and collective aspects. Physical Review C, 2006, 74, .	2.9	75
34	Voyage to the â€œIsland of Inversionâ€• 29Na. European Physical Journal A, 2005, 25, 101-103.	2.5	8
35	Î²-decay of odd-ATi57andV59. Physical Review C, 2005, 72, .	2.9	30
36	Spectroscopy ofNe25and theN=16magic number. Physical Review C, 2005, 72, .	2.9	17

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37	Collective excitations and shape changes inY80. Physical Review C, 2004, 69, .	2.9	7
38	Development of shell closures atN=32,34. I.Î²decay of neutron-rich Sc isotopes. Physical Review C, 2004, 70, .	2.9	76
39	Transition strengths and band terminations in86Zr. Physical Review C, 2003, 67, .	2.9	12
40	Lifetime measurements and terminating structures in87Nb. Physical Review C, 2003, 67, .	2.9	8
41	Î²decay studies of the neutron-rich56â€“58Visotopes. Physical Review C, 2003, 67, .	2.9	52
42	Î²-decay properties ofTi55,56. Physical Review C, 2003, 68, .	2.9	27
43	Rotational and vibrational excitations in84Zrstudied through in-beam and84NbÎ²-decay spectroscopy. Physical Review C, 2003, 67, .	2.9	17
44	Lifetime of the21+state and densities for the0g.s.+â†'21+transition inNe18. Physical Review C, 2003, 68, .	2.9	10
45	MoNA â€" The Modular Neutron Array at the NSCL. AIP Conference Proceedings, 2003, , .	0.4	1
46	Evolution of collectivity with spin in81Y. Physical Review C, 2002, 66, .	2.9	12
47	Structure of neutron-rich s-d shell nuclei. Physics of Atomic Nuclei, 2002, 65, 713-719.	0.4	3
48	Transition strengths in odd-odd80Rb. Physical Review C, 2000, 61, .	2.9	8
49	Band terminations in the valence space of86Zr. Physical Review C, 2000, 61, .	2.9	14
50	Transition strengths in odd-odd86Nb. Physical Review C, 2000, 62, .	2.9	15
51	Comparative lifetimes of superdeformed bands in Aâ¼80 Nuclei. , 1999, , .		0
52	Accurate Lifetime Measurements of Superdeformed Bands inAâ¼80Nuclei. Physical Review Letters, 1999, 83, 5447-5450.	7.8	20
53	Signature inversion and the first observation of a magnetic dipole band in odd-odd rubidium isotopes:82Rb. Physical Review C, 1999, 59, 71-81.	2.9	32
54	New band structures and an unpaired crossing in78Kr. Physical Review C, 1999, 59, 655-664.	2.9	21

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55	Band crossings in the positive-parity high-spin states of83Rband85Y. Physical Review C, 1999, 60, .	2.9	14
56	Evidence for yrast positive-parity high-spin states in odd-odd72As. Physical Review C, 1998, 57, 97-103.	2.9	11
57	Band structures and alignment properties in74Se. Physical Review C, 1998, 57, 2912-2923.	2.9	23
58	Collective structure in70As. Physical Review C, 1997, 56, 2869-2872.	2.9	7
59	Systematics of even-even Tz= 1 nuclei in the A= 80 region: High-spin rotational bands in 74Kr, 78Sr, and 82Zr. Physical Review C, 1997, 56, 98-117.	2.9	83
60	Interband Transitions between Superdeformed Bands in87Nb: Evidence for a Superintruder Orbital. Physical Review Letters, 1997, 78, 614-617.	7.8	16
61	Angle-corrected doppler-shift attenuation analysis. , 1997, , .		0
62	Nuclear structure of neutron-rich78As. Zeitschrift FÃ¼r Physik A, 1996, 354, 345-346.	0.9	8
63	Identification and Quadrupole-Moment Measurement of a Superdeformed Band in84Zr. Physical Review Letters, 1995, 75, 1471-1474.	7.8	41
64	Odd nuclei in the â€œWild westâ€• Acta Physica Hungarica A Heavy Ion Physics, 1995, 2, 239-253.	0.4	2
65	Onset of collectivity in the odd-odd nucleusAs72. Physical Review C, 1994, 49, 2419-2426.	2.9	13
66	The identical bands in177Ta. Zeitschrift FÃ¼r Physik A, 1993, 346, 319-320.	0.9	8
67	Shape coexistence effects and quasiparticle alignment inSr81. Physical Review C, 1988, 38, 696-711.	2.9	67
68	Experiments with Sub-Nanosecond Tandem Beam Pulses. IEEE Transactions on Nuclear Science, 1983, 30, 1504-1507.	2.0	1
69	Intruder Configurations in the A=33 Isobars: Mg33 and Al33. , 0, .		1