

Michael J Taylor

List of Publications by Year in descending order

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54
papers

1,083
citations

361413

20
h-index

414414

32
g-index

54
all docs

54
docs citations

54
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a spin-aligned neutron-proton paired phase from the level structure of ^{92}Pd . Nature, 2011, 469, 68-71.	27.8	140
2	Shape evolution in heavy sulfur isotopes and erosion of the $N=28$ shell closure. Physical Review C, 2002, 66, .	2.9	90
3	Search for particle-hole excitations across the $N=28$ shell gap in $^{45,46}\text{Ar}$ nuclei. Nuclear Physics A, 2003, 727, 195-206.	1.5	48
4	Probing shell structure in neutron-rich nuclei with in-beam \hat{I}^3 -spectroscopy. European Physical Journal A, 2002, 15, 93-97.	2.5	46
5	Alpha decay of the new isotopes $^{188,189}\text{Po}$. European Physical Journal A, 1999, 6, 381-385.	2.5	45
6	First observation of excited states in ^{182}Pb . Physical Review C, 2000, 62, .	2.9	43
7	Structure of the neutron-rich $^{37,39}\text{P}$ and $^{43,45}\text{Cl}$ nuclei. European Physical Journal A, 2004, 22, 173-178.	2.5	41
8	The Lund-York-Cologne Calorimeter (LYCCA): Concept, design and prototype developments for a FAIR-NUSTAR detector system to discriminate relativistic heavy-ion reaction products. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 723, 55-66.	1.6	33
9	Competition between proton and neutron excitations in ^{96}Zr . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 562, 193-200.	4.1	32
10	α -decay spectroscopy of light odd-odd Bi isotopes - I: $^{188,190}\text{Bi}$ nuclei. European Physical Journal A, 2003, 18, 39-54.	2.5	29
11	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
12	Systematics of first 2^+ state factors around mass 80. Physical Review C, 2003, 68, .	2.9	25
13	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
14	First observation of excited states in the neutron deficient $N=86$ isotones ^{159}Ta and ^{160}W . Physical Review C, 2001, 63, .	2.9	24
15	Isospin Symmetry of Odd-Odd Mirror Nuclei: Identification of Excited States in $N=Z+2$ ^{48}Mn . Physical Review Letters, 2006, 97, 132501.	7.8	23
16	Competing core and single particle excitations in the 2^+ state in ^{44}Ca . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 187-192.	4.1	22
17	First g factor measurement using a radioactive ^{76}Kr beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 213-219.	4.1	22
18	Anomalous transition strength in the proton-unbound nucleus ^{53}I . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 118-122.	4.1	22

#	ARTICLE	IF	CITATIONS
19	The discovery of a prolate-oblately spherical shape triple of spin 0+ states in the atomic nucleus 186Pb. Nuclear Physics A, 2001, 682, 482-486. First $\langle \mathbb{I}^2 \rangle$ -ray spectroscopy	1.5	21
20	of $\langle \mathbb{I}^2 \rangle$ -ray spectroscopy of ^{56}Fe	2.9	21
21	Low-energy structure of the even-A Ru 96-104 isotopes via g-factor measurements. Physical Review C, 2011, 83, . Lifetime measurement of the first excited $\langle \mathbb{I}^2 \rangle$	2.9	21
22	in ^{132}Te	2.9	20
23	Near spherical shell-model structure of the 21+ state in ^{40}Ar from g-factor measurements. Physical Review C, 2005, 72, .	2.9	19
24	First observation of excited states in the neutron deficient nuclei ^{164}Os and ^{166}Os . Physical Review C, 2000, 62, .	2.9	18
25	In-beam studies of very neutron-deficient heavy nuclei. European Physical Journal A, 2002, 15, 189-193.	2.5	18
26	$\langle \mathbb{I}^2 \rangle$ -ray linear polarization measurements and alignment in ^{187}Tl . Physical Review C, 2013, 87, .	2.9	18
27	Shape coexistence in ^{183}Tl . Physical Review C, 2001, 64, .	2.9	15
28	Structure of the isomeric states in ^{123}Sb and ^{125}Sb	2.9	15
29	Orbitally deformed ^{151}Lu proton-emitting state in ^{151}Lu	2.9	14
30	New microsecond isomers in ^{189}Bi and ^{190}Bi . European Physical Journal A, 2001, 10, 129-133. Shell model configurations in the ^{189}Bi and ^{190}Bi	2.5	13
31	^{189}Bi and ^{190}Bi	4.1	13
32	^{186}Bi and ^{188}Bi isotopes. Physical Review C, 2013, 87, .	2.9	13
33	Isospin purity of T=1 states in the A=38 nuclei studied via lifetime measurements in ^{38}K . Physical Review C, 2007, 75, .	2.9	12
34	Isospin symmetry in the odd-odd mirror nuclei ^{44}V and ^{44}Sc . Physical Review C, 2011, 84, .	2.9	12
35	A new simulation package to model detector systems with fragmentation reactions and ion separators: Application to the LYCCA-0 system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 589-597.	1.6	11
36	Electromagnetic transition strengths in ^{52}Te and ^{109}Te . Physical Review C, 2012, 86, .	2.9	11

#	ARTICLE	IF	CITATIONS
37	Isomer-tagged differential-plunger measurements in ^{133}Xe . Physical Review C, 2013, 87, .	2.9	9
38	Production of a ^{76}Kr radioactive ion beam using a batch mode method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 287-294.	1.6	7
39	Recoil-decay tagging spectroscopy of ^{74}W . Physical Review C, 2015, 92, .	2.9	6
40	ISOBARIC ANALOGUE STATES STUDIED IN MIRRORED FRAGMENTATION AND KNOCKOUT REACTIONS. Modern Physics Letters A, 2010, 25, 1891-1894.	1.2	5
41	Identification of isomeric states in the $N=73$ neutron-deficient nuclei ^{132}Pr and ^{130}La . Physical Review C, 2012, 86, .	2.9	5
42	Lifetime measurements in the transitional nucleus ^{138}Gd . Physical Review C, 2011, 84, .	2.9	4
43	Probing structural changes in the very neutron-deficient Os isotopes with recoil-decay tagging. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1593-S1598.	3.6	3
44	Microsecond isomers in ^{125}Sb . Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1899-S1902.	3.6	3
45	Lifetime measurement in the proton-unbound nucleus ^{109}I . , 2011, , .		3
46	Measurement of the ^{96}Ru and its nuclear structure interpretation. Physical Review C, 2012, 85, .	2.9	3
47	Competing single-particle and collective states in the low-energy structure of ^{113}I . Physical Review C, 2013, 88, .	2.9	3
48	First identification of rotational band structures in ^{175}Re . Physical Review C, 2015, 92, .	2.9	3
49	Spectroscopy of nuclei approaching the proton drip-line using a secondary-fragmentation technique with the RISING detector array. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1527-S1530.	3.6	2
50	FIRST ^{13}C -RAY SPECTROSCOPY AND ISOSPIN SYMMETRY STUDY OF THE $N = Z - 2$ NUCLEUS ^{44}V . Modern Physics Letters A, 2010, 25, 2028-2029.	1.2	2
51	A new differential plunger to measure lifetimes of unbound states in tagged exotic nuclei. , 2011, , .		2
52	First g -factor measurement using a radioactive ^{76}Kr beam. European Physical Journal A, 2005, 25, 203-304.	2.5	1
53	MAGNETIC MOMENTS FROM THE MEDITERRANEAN TO MT. FUJI. , 2004, , .		0
54	FIRST MEASUREMENT OF A MAGNETIC MOMENT OF A SHORT-LIVED STATE WITH AN ACCELERATED RADIOACTIVE BEAM: ^{76}Kr . , 2005, , .		0