

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	First identification of rotational band structures in ^{91}Re . <i>Physical Review C</i> , 2015, 92, .	2.9	3
2	Recoil-decay tagging spectroscopy of ^{74}W . <i>Physical Review C</i> , 2015, 92, .	2.9	6
3	Lifetime measurement of the first excited state in ^{151}Lu . <i>Physical Review C</i> , 2015, 91, .	2.9	20
4	Oblately deformed isomeric proton-emitting state in ^{151}Lu . <i>Physical Review C</i> , 2015, 91, .	2.9	14
5	Proton emission from an oblate nucleus ^{151}Lu . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 79-84.	4.1	25
6	Isomer-tagged differential-plunger measurements in ^{136}Xe . <i>Physical Review C</i> , 2013, 87, .	2.9	9
7	The Lund-Ångström-Cologne Calorimeter (LYCCA): Concept, design and prototype developments for a FAIR-NUSTAR detector system to discriminate relativistic heavy-ion reaction products. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 723, 55-66.	1.6	33
8	A new differentially pumped plunger device to measure excited-state lifetimes in proton emitting nuclei. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 707, 143-148.	1.6	27
9	\hat{I}^2 -delayed fission of $^{186,188}\text{Bi}$ isotopes. <i>Physical Review C</i> , 2013, 87, .	2.9	13
10	\hat{I}^3 -ray linear polarization measurements and alignment in ^{136}Xe . <i>Physical Review C</i> , 2013, 87, .	2.9	18
11	Competing single-particle and collective states in the low-energy structure of ^{113}I . <i>Physical Review C</i> , 2013, 88, .	2.9	3
12	Electromagnetic transition strengths in ^{52}Te . <i>Physical Review C</i> , 2012, 86, .	2.9	11
13	Identification of isomeric states in the $N=73$ neutron-deficient nuclei ^{132}Pr and ^{130}La . <i>Physical Review C</i> , 2012, 86, .	2.9	5
14	Measurement of the ^{96}Ru and its nuclear structure interpretation. <i>Physical Review C</i> , 2012, 85, .	2.9	3
15	Evidence for a spin-aligned neutron-proton paired phase from the level structure of ^{92}Pd . <i>Nature</i> , 2011, 469, 68-71.	27.8	140
16	Anomalous transition strength in the proton-unbound nucleus ^{53}I . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 704, 118-122.	4.1	22
17	Lifetime measurement in the proton-unbound nucleus ^{109}I . , 2011, , .		3
18	A new differential plunger to measure lifetimes of unbound states in tagged exotic nuclei. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
19	Isospin symmetry in the odd-odd mirror nuclei $^{44}\text{V}/^{44}\text{Sc}$. Physical Review C, 2011, 84, .	2.9	12
20	Low-energy structure of the even-A ^{96}Zr isotopes via β -factor measurements. Physical Review C, 2011, 83, .	2.9	21
21	Lifetime measurements in the transitional nucleus ^{138}Gd . Physical Review C, 2011, 84, .	2.9	4
22	ISOBARIC ANALOGUE STATES STUDIED IN MIRRORED FRAGMENTATION AND KNOCKOUT REACTIONS. Modern Physics Letters A, 2010, 25, 1891-1894.	1.2	5
23	FIRST β -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
24	β -ray spectroscopy of ^{56}Fe	2.9	21
25	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
26	Structure of the isomeric states in ^{123}Sb	2.9	15
27	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
28	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
29	FIRST MEASUREMENT OF A MAGNETIC MOMENT OF A SHORT-LIVED STATE WITH AN ACCELERATED RADIOACTIVE BEAM: ^{76}Kr . 2005		0
30	Shell model configurations in the ^{76}Kr	4.1	13
31	First g -factor measurement using a radioactive ^{76}Kr beam. European Physical Journal A, 2005, 25, 203-304.	2.5	1
32	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
33	Near spherical shell-model structure of the 21^+ state in ^{40}Ar from g -factor measurements. Physical Review C, 2005, 72, .	2.9	19
34	Microsecond isomers in ^{125}Sb . Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1899-S1902.	3.6	3
35	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
36	Structure of the neutron-rich ^{37}P , ^{39}P and ^{43}Cl , ^{45}Cl nuclei. European Physical Journal A, 2004, 22, 173-178.	2.5	41

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	MAGNETIC MOMENTS FROM THE MEDITERRANEAN TO MT. FUJI. , 2004, , .		0
40	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
41	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
42	Competing core and single particle excitations in the $2+1$ state in ^{44}Ca . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 187-192.	4.1	22
43	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
44	Systematics of first $2+$ state g factors around mass 80. Physical Review C, 2003, 68, .	2.9	25
45	Shape evolution in heavy sulfur isotopes and erosion of the $N=28$ shell closure. Physical Review C, 2002, 66, .	2.9	90
46	Probing shell structure in neutron-rich nuclei with in-beam $\hat{1}^3$ -spectroscopy. European Physical Journal A, 2002, 15, 93-97.	2.5	46
47	In-beam studies of very neutron-deficient heavy nuclei. European Physical Journal A, 2002, 15, 189-193.	2.5	18
48	New microsecond isomers in $^{189, 190}\text{Bi}$. European Physical Journal A, 2001, 10, 129-133.	2.5	13
49	The discovery of a prolate-oblately spherical shape triple of spin $0+$ states in the atomic nucleus ^{186}Pb . Nuclear Physics A, 2001, 682, 482-486.	1.5	21
50	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
51	Shape coexistence in ^{183}Tl . Physical Review C, 2001, 64, .	2.9	15
52	First observation of excited states in the neutron deficient nuclei ^{164}Os and ^{166}Os . Physical Review C, 2000, 62, .	2.9	18
53	First observation of excited states in ^{182}Pb . Physical Review C, 2000, 62, .	2.9	43
54	Alpha decay of the new isotopes $^{188,189}\text{Po}$. European Physical Journal A, 1999, 6, 381-385.	2.5	45