

Michail Axiotis

List of Publications by Year in descending order

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146
papers

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citations

201674

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148
all docs

148
docs citations

148
times ranked

1179
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling a CLOVER detector array with the PRISMA magnetic spectrometer. European Physical Journal A, 2003, 20, 193-197.	2.5	106
2	Coulomb Energy Differences in T=1 Mirror Rotational Bands in F50e and C50r. Physical Review Letters, 2001, 87, 122501.	7.8	76
3	Unusual Isospin-Breaking and Isospin-Mixing Effects in the A=35 Mirror Nuclei. Physical Review Letters, 2004, 92, 132502.	7.8	65
4	Stability of the N=50 shell gap in the neutron-rich Rb, Br, Se, and Ge isotones. Physical Review C, 2004, 70, .	2.9	62
5	Spectroscopy of odd-mass cobalt isotopes toward the $N=29$ closure and shell-model description of spherical and deformed states. Physical Review C, 2012, 85, .	2.9	61
6	Effective Charges in the fp Shell. Physical Review Letters, 2004, 93, 222501.	7.8	58
7	SPECTRW: A software package for nuclear and atomic spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 265-274.	1.6	56
8	Emission of unbound 8Be and $^{12}\text{C}^*(0+2)$ clusters in compound nucleus reactions. European Physical Journal A, 2005, 23, 19-31.	2.5	47
9	Spectroscopy of neutron-rich Mn isotopes. Physical Review C, 2008, 78, .	2.9	47
10	STRUCTURE OF NEUTRON-RICH NUCLEI FROM DEEP-INELASTIC REACTIONS. International Journal of Modern Physics E, 2004, 13, 123-126.	1.0	45
11	Magnetic rotation in ^{82}Rb and ^{84}Rb . Physical Review C, 2002, 66, .	2.9	42
12	Observation of ^{54}Ni : Cross-Conjugate Symmetry in $T=7/2$ Mirror Energy Differences. Physical Review Letters, 2006, 97, 152501.	7.8	41
13	Coulomb energy differences between isobaric analogue states in ^{70}Br and ^{70}Se . European Physical Journal A, 2001, 12, 51-55.	2.5	40
14	Isospin mixing in the N=Z nucleus ^{64}Ge . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 56-62.	4.1	40
15	Shape changes and test of the critical-point symmetry X(5) in N = 90 nuclei. European Physical Journal A, 2003, 20, 173-178.	2.5	37
16	Electromagnetic transition strengths in ^{156}Dy . Physical Review C, 2006, 74, .	2.9	37
17	Very large remanent polarization in ferroelectric $\text{Hf}_{1-x}\text{Zr}_x\text{O}_2$ grown on Ge substrates by plasma assisted atomic oxygen deposition. Applied Physics Letters, 2019, 114, .	3.3	37
18	Test of the critical point symmetry X(5) in the mass A= 180 region. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1427-S1432.	3.6	36

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19	Structure of high-spin states in ^{89}Sr and ^{90}Sr . Physical Review C, 2001, 63, .	2.9	35
20	First evidence for triaxial superdeformation in ^{161}Lu and ^{162}Lu . European Physical Journal A, 2003, 16, 155-158.	2.5	34
21	Nonyrast states in the odd-odd $N=Z$ nucleus ^{62}Ga . Physical Review C, 2004, 69, .	2.9	33
22	Yrast isomers in ^{95}Ag , ^{95}Pd , and ^{94}Pd . Physical Review C, 2003, 67, .	2.9	32
23	Cross section measurements of proton capture reactions relevant to the p process: The case of ^{89}Y . $\int_{p} \sigma_{\text{pc}}(E) Y(E) dE$	2.9	32
24	Observation of the $N=Z=44$ nucleus ^{88}Ru . Physical Review C, 2001, 63, .	2.9	30
25	Delayed alignments in the $N=Z$ nuclei ^{84}Mo and ^{88}Ru . Physical Review C, 2002, 65, .	2.9	29
26	Investigation of the reaction $^{74}\text{Ge} + ^{4}\text{He} \rightarrow ^{78}\text{Ge} + n$. $^{74}\text{Ge} + ^4\text{He} \rightarrow ^{78}\text{Ge} + n$	2.9	29
27	Isospin symmetry breaking at high spin in the mirror nuclei ^{35}Ar and ^{35}Cl . Physical Review C, 2007, 75, .	2.9	28
28	High spin structure of ^{34}S and the proton-neutron coupling of intruder states. Physical Review C, 2005, 71, .	2.9	27
29	High spin structure and intruder configurations in ^{31}P . Physical Review C, 2006, 73, .	2.9	27
30	Transition rates and nuclear structure changes in mirror nuclei ^{47}Cr and ^{47}V . Physical Review C, 2002, 65, .	2.9	26
31	First measurement of β^2 -decay properties of the proton drip-line nucleus ^{60}Ga . European Physical Journal A, 2001, 12, 269-277.	2.5	22
32	High-spin states in the nuclei ^{91}Y and ^{95}Nb . Physical Review C, 2005, 71, .	2.9	22
33	Intruder configurations in neutron-rich ^{34}P . Physical Review C, 2005, 71, .	2.9	21
34	Study of the $B(E2)$ ratios in ^{10}B . $\frac{B(E2; 2^+ \rightarrow 0^+)}{B(E2; 2^+ \rightarrow 2^+)}$		
35	and Octupole-deformed molecular bands in ^{21}Ne . Nuclear Instruments & Methods in Physics Research B, 2015, 342, 271-276. European Physical Journal A, 2005, 26, 321-326.	2.5	20
36	High-spin structure of the spherical nucleus ^{90}Y . Physical Review C, 2002, 65, .	2.9	18

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37	Gamma-decay study of ^{21}Na and ^{21}Ne , octupole bands in ^{21}Ne . Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 509-519.	3.6	17
38	Highly deformed band in ^{138}Nd . Physical Review C, 2004, 69, .	2.9	17
39	High-spin behavior of multiple bands in the $N=Z+1$ nucleus ^{81}Zr : A possible probe of enhanced neutron-proton correlations. Physical Review C, 2004, 69, .	2.9	17
40	Yrast studies of $^{80,82}\text{Se}$ using deep-inelastic reactions. Physical Review C, 2007, 76, .	2.9	17
41	Atomic Physics with Accelerators: Projectile Electron Spectroscopy (APAPES). Journal of Physics: Conference Series, 2015, 583, 012014.	0.4	17
42	First identification of yrast decay and shell model description of the $N=Z+1$ nucleus ^{93}Pd . Physical Review C, 2004, 69, .	2.9	16
43	Spectroscopy of ^{40}Ca and negative-parity bands. European Physical Journal A, 2004, 19, 307-317.	2.5	16
44	First identification of excited states in ^{59}Zn . European Physical Journal A, 2002, 15, 459-462.	2.5	15
45	Magnetic dipole sequences in ^{83}Rb . Physical Review C, 2009, 80, .	2.9	15
46	First observation of excited states in the $T_z=1/2$ nucleus ^{85}Mo . Physical Review C, 2002, 65, .	2.9	14
47	Yrast states in neutron-rich ^{41}Cl . Physical Review C, 2003, 67, .	2.9	14
48	Hindered E4 decay of the ^{41}Cl . Physical Review C, 2003, 67, .	4.1	14
49	Study of ^{241}Am and ^{240}Pu at high spins. Physical Review C, 2016, 93, .	1.4	14
50	Investigation of the ^{241}Am and ^{240}Pu at high spins. Physical Review C, 2016, 93, .	2.9	14
51	Collectivity at high spins in ^{156}Dy . Physical Review C, 2003, 68, .	2.9	13
52	High-spin level scheme of ^{183}Au . Physical Review C, 2005, 71, .	2.9	13
53	Systematic study of proton capture reactions in medium-mass nuclei relevant to the ^{103}Rh and ^{103}Pd . Physical Review C, 2005, 71, 054301.	2.9	13
54	The CLARA-PRISMA setup installed at LNL: first results. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1443-S1448.	3.6	12

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55	Cross section measurements of proton capture reactions on Se isotopes relevant to the astrophysical p process. Physical Review C, 2018, 97, .	2.9	12
56	Cross section measurements of proton capture reactions on Mo isotopes relevant to the astrophysical p process. European Physical Journal A, 2019, 55, 1.	2.5	12
57	The Tandem Accelerator Laboratory of NCSR "Demokritos" current status and perspectives. European Physical Journal Plus, 2021, 136, 1.	2.6	12
58	Suppression of band crossing in the neutron-rich nuclei $^{172,173}\text{Yb}$ due to the absence of a static pair field. European Physical Journal A, 2005, 26, 19-24.	2.5	11
59	SEARCH FOR SIGNATURE INVERSION IN THE $\frac{1}{2}^-$ BANDS IN $^{182,184,186}\text{Au}$. International Journal of Modern Physics E, 2006, 15, 1437-1445.	1.0	11
60	Signature inversion in $\frac{1}{2}^-$ structure in ^{178}Ir . European Physical Journal A, 2001, 10, 245-248.	2.5	10
61	Spectroscopy near the proton drip line in the deformed $A=130$ mass region: The ^{126}Pr nucleus. Physical Review C, 2001, 64, .	2.9	10
62	The yrast spectroscopy of neutron-rich nuclei produced in deep-inelastic processes. European Physical Journal A, 2003, 20, 111-112.	2.5	10
63	Signature inversion and deformation driving effects in ^{178}Ir . Physical Review C, 2003, 67, .	2.9	10
64	Identification of Oblate Band in Odd-Odd ^{184}Au . Chinese Physics Letters, 2004, 21, 799-801.	3.3	10
65	Investigation of high-spin states in ^{53}Fe . Physical Review C, 2005, 72, .	2.9	10
66	Study of the $\frac{1}{2}^-$ bands in $^{182,184,186}\text{Au}$. Nuclear Instruments & Methods in Physics Research B, 2016, 368, 71-74.	1.4	10
67	Isospin dependence of electromagnetic transition strengths among an isobaric triplet. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134835.	4.1	10
68	High-spin states in the vibrational nucleus ^{114}Cd . European Physical Journal A, 2003, 20, 55-56.	2.5	9
69	High-spin states in ^{90}Ru and the projected shell model description. Physical Review C, 2004, 69, .	2.9	9
70	Lifetime measurements of normal deformed states in ^{165}Lu . Physical Review C, 2005, 71, .	2.9	9
71	Determination of the $^{193}\text{Ir}(n, 2n)$ reaction cross section and correction methodology for the $^{191}\text{Ir}(n, \gamma)$ reaction. Nuclear Instruments & Methods in Physics Research B, 2019, 428, 102-107.	2.5	9
72	Neutron Induced Reactions with the 17 MeV Facility at the Athens Tandem Accelerator NCSR "Demokritos". Physics Procedia, 2015, 66, 425-431.	1.2	9

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91	High-spin structure of ^{95}Pd . Physical Review C, 2012, 86, .	2.9	5
92	Study of the $^{24}\text{Mg}(d,p0,1,2)$ reactions at energies and angles relevant to NRA. Nuclear Instruments & Methods in Physics Research B, 2014, 319, 34-38.	1.4	5
93	Differential cross-section measurements for deuteron elastic scattering on nat N, suitable for EBS. Nuclear Instruments & Methods in Physics Research B, 2017, 410, 29-36.	1.4	5
94	Differential cross-section measurements for deuteron elastic scattering on natSi for elastic backscattering purposes. Nuclear Instruments & Methods in Physics Research B, 2019, 450, 24-30.	1.4	5
95	Experimental study of the $^{165}\text{Ho}(n,2n)^{164}\text{Ho}$ reaction: Cross section measurements for the population of the ^{164}Ho ground state. Nuclear Instruments & Methods in Physics Research B, 2019, 450, 24-30.	2.9	5
96	Systematics of the semimicroscopic proton-nucleus optical potential at low energies relevant for nuclear astrophysics. Physical Review C, 2021, 103, .	2.9	5
97	New nuclei around the Ni—Z line in the $A = 80\text{--}90$ Region. Progress in Particle and Nuclear Physics, 2001, 46, 269-270.	14.4	4
98	Intruder configurations in neutron-rich P and S isotopes. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1935-S1938.	3.6	4
99	Test of the critical point symmetry $X(5)$ in neutron deficient osmium isotopes at $A \approx 180$. AIP Conference Proceedings, 2006, , .	0.4	4
100	Toward the $N = 40$ sub-shell closure in Co isotopes and the new island of inversion. Physica Scripta, 2012, T150, 014034.	2.5	4
101	PIGE related differential cross-section measurements of the $^{25}\text{Mg}(p,p\alpha)^{25}\text{Mg}$ reaction. Nuclear Instruments & Methods in Physics Research B, 2016, 386, 4-7.	1.4	4
102	Using GEANT4 Monte Carlo simulations to resolve low energy ^{164}Ho γ -ray spectra: The study of ^{164}Ho γ -ray spectra. Nuclear Instruments & Methods in Physics Research B, 2016, 386, 4-7.	1.6	4
103	Cross section measurements of proton capture reactions on Sr isotopes for astrophysics applications. Physical Review C, 2021, 104, .	2.9	4
104	Reaction mechanism studies using the CN/ER spin distribution. European Physical Journal A, 2003, 20, 151-152.	2.5	3
105	A study of β^3 decays and octupole bands in ^{21}Ne and ^{21}Na . Physics of Atomic Nuclei, 2003, 66, 1428-1433.	0.4	3
106	High-spin states of an odd-odd ^{184}Au nucleus. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1545-S1549.	3.6	3
107	Lifetime measurements in the Yrast magnetic band in ^{193}Pb . Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1559-S1562.	3.6	3
108	Low-energy nuclear reactions and the alpha-nucleus optical potential: where do we stand?. AIP Conference Proceedings, 2007, , .	0.4	3

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109	Electromagnetic transition strengths in ^{155}Dy . Journal of Physics: Conference Series, 2012, 366, 012050.	0.4	3
110	Properties of the rotational bands in deformed odd-odd ^{184}Au . Physical Review C, 2013, 87, .	2.9	3
111	High-spin states and band terminations in ^{149}V . Physical Review C, 2015, 92, .	2.9	3
112	Differential cross section measurements of the $^{19}\text{F}(d,d^0)$ elastic scattering for Ion Beam Analysis purposes. Nuclear Instruments & Methods in Physics Research B, 2017, 396, 1-4.	1.4	3
113	Study of $(n,2n)$ reaction on $^{191,193}\text{Ir}$ isotopes and isomeric cross section ratios. EPJ Web of Conferences, 2017, 146, 11013.	0.3	3
114	A benchmarking procedure for PIGE related differential cross-sections. Nuclear Instruments & Methods in Physics Research B, 2018, 423, 92-96.	1.4	3
115	Measurement of the $^{234}\text{U}(n, f)$ cross-section with quasi-monoenergetic beams in the keV and MeV range using a Micromegas detector assembly. European Physical Journal A, 2018, 54, 1.	2.5	3
116	Study of differential cross-sections of the $^{14}\text{N}(d, \hat{p}^0, \hat{p}^1)$ reactions suitable for NRA. Nuclear Instruments & Methods in Physics Research B, 2019, 450, 31-36.	1.4	3
117	Transition Probabilities And Chiral Symmetry In ^{134}Pr . AIP Conference Proceedings, 2005, , .	0.4	2
118	Spin distribution measurement for $^{64}\text{Ni} + ^{100}\text{Mo}$ at near and above barrier energies. EPJ Web of Conferences, 2015, 86, 00053.	0.3	2
119	An investigation of radiative proton capture reactions in the Cd-In mass region. Nuclear Physics A, 2021, 1015, 122298.	1.5	2
120	Measurement of the $^{236}\text{U}(n,f)$ Cross Section with the MicroMegas Detector. Acta Physica Polonica B, 2016, 47, 789.	0.8	2
121	Multinucleon Transfer Reactions to Study Single-Particle Evolution in Se Isotopes. AIP Conference Proceedings, 2006, , .	0.4	1
122	Nuclear spectroscopy near the proton drip line in the lanthanide region: The ^{122}La nucleus. European Physical Journal A, 2008, 38, 43-51.	2.5	1
123	Development of a Micromegas TPC for Low Energy Heavy Ions Measurement for Nuclear Fission and Astrophysics Applications. AIP Conference Proceedings, 2011, , .	0.4	1
124	Low-lying bands with different quadrupole deformation in ^{155}Dy . EPJ Web of Conferences, 2014, 66, 02082.	0.3	1
125	Measurement of the differential cross sections of $^6\text{Li}(d,d^0)$ for Ion Beam Analysis purposes. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 34-39.	1.4	1
126	Neutron-induced fission cross-section measurement of ^{234}U with quasi-monoenergetic beams in the keV and MeV range using micromegas detectors. EPJ Web of Conferences, 2017, 146, 04035.	0.3	1

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127	Cross section of the $^{197}\text{Au}(n,2n)^{196}\text{Au}$ reaction. EPJ Web of Conferences, 2017, 146, 11048.	0.3	1
128	Experimental Investigation of radiative proton-capture reactions relevant to Nucleosynthesis. HNPS Advances in Nuclear Physics, 0, 24, 168.	0.0	1
129	High-spin states populated in deep-inelastic reactions. Brazilian Journal of Physics, 2004, 34, 792-795.	1.4	1
130	Isomeric cross section study of neutron induced reactions on Ge isotopes. EPJ Web of Conferences, 2020, 239, 01028.	0.3	1
131	A versatile dielectron trigger for nucleon-nucleon and nucleus-nucleus collisions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 413, 213-227.	1.6	0
132	Nuclear Structure and Reaction Mechanism Studies with Multinucleon Reactions. AIP Conference Proceedings, 2006, , .	0.4	0
133	Plunger Lifetime Measurements in ^{102}Pd . AIP Conference Proceedings, 2006, , .	0.4	0
134	Spectroscopy of Moderately Neutron-rich Nuclei with the CLARA-PRISMA Setup. AIP Conference Proceedings, 2006, , .	0.4	0
135	Publisher's Note: Observation of ^{54}Ni : Cross-Conjugate Symmetry in $7/2$ Mirror Energy Differences [Phys. Rev. Lett. 97, 152501 (2006)]. Physical Review Letters, 2006, 97, .	7.8	0
136	Coulomb energy differences in isobaric multiplets. AIP Conference Proceedings, 2007, , .	0.4	0
137	High-spin states in the neutron-rich $A \sim 100$ region. , 2009, , .		0
138	Spectroscopy of neutron-rich Co nuclei populated in the $^{70}\text{Zn}+^{238}\text{U}$ reaction. Journal of Physics: Conference Series, 2012, 381, 012082.	0.4	0
139	Experimental study of neutron-rich nuclei near the $N = 82$ closed shell using the $^{40}\text{Ar}+^{124}\text{Sn}$ reaction with GASP and PRISMA-CLARA arrays. , 2014, , .		0
140	Determination and theoretical analysis of the differential cross sections of the $^2\text{H}(d,p)$ reaction at energies and detection angles suitable for NRA (Nuclear Reaction Analysis). EPJ Web of Conferences, 2014, 66, 10009.	0.3	0
141	Use of Gas and Foil strippers for the production of He-like ionic beams in both pure ground state ($1s^2$) and mixed states ($1s2, 1s2s$) for zero-degree Auger Projectile Electron Spectroscopy. Journal of Physics: Conference Series, 2015, 635, 052062.	0.4	0
142	Lifetimes and electromagnetic transition strength in ^{157}Dy . Journal of Physics: Conference Series, 2016, 724, 012017.	0.4	0
143	Lifetimes and electromagnetic transition strengths in ^{157}Dy . Physical Review C, 2017, 96, .	2.9	0
144	Differential cross-section measurements of the elastic $^7\text{Li}(d,d^0)$ scattering for analytical purposes. Nuclear Instruments & Methods in Physics Research B, 2018, 414, 99-103.	1.4	0

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145	Study of medium-spin states of neutron-rich 87, 89, 91Rb isotopes. European Physical Journal A, 2019, 55, 1.	2.5	0
146	Cross-section measurements of the $^{156}\text{Dy}(n, \gamma)^{157}\text{Dy}$ reaction at neutron energies higher than 155 keV. Physical Review C, 2021, 104, .	2.9	0