

Philippos Papadakis

List of Publications by Year in descending order

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99
papers

1,356
citations

430874

18
h-index

395702

33
g-index

100
all docs

100
docs citations

100
times ranked

785
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>Shell Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the Nucleus $Z=104$. Physical Review Letters, 2012, 109, 012501.</p>	7.8	220
2	Spectroscopy of Element 115 Decay Chains. Physical Review Letters, 2013, 111, 112502.	7.8	122
3	Shell Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the Nucleus $Z=104$. Physical Review Letters, 2012, 109, 012501.	7.8	59
4	Evidence of chiral bands in even-even nuclei. Physical Review C, 2018, 97, .	2.9	49
5	Recoil- \pm -fission and recoil- \pm -fission events observed in the reaction $48\text{Ca} + 243\text{Am}$. Nuclear Physics A, 2016, 953, 117-138.	1.5	48
6	Search for elements 119 and 120. Physical Review C, 2020, 102, .	2.9	41
7	Spectroscopy along Flerovium Decay Chains: Discovery of the Nucleus $Z=113$. Physical Review Letters, 2009, 102, 212501.	7.8	37
8	Rotational Bands in $Z=113$ -Ray Spectroscopy at the Limits: First Observation of Rotational Bands in $Z=113$. Physical Review Letters, 2009, 102, 212501.	7.8	34
9	The SAGE spectrometer. European Physical Journal A, 2014, 50, 1.	2.5	34
10	Combined in-beam electron and $Z=113$ -ray spectroscopy of the Nucleus $Z=113$. Physical Review Letters, 2009, 102, 212501.	2.9	29
11	Shape coexistence at the proton drip-line: First identification of excited states in the Nucleus $Z=113$. Physical Review Letters, 2009, 102, 212501.	2.9	28
12	Search for a 2-quasiparticle high- K isomer in the Nucleus $Z=113$. Physical Review C, 2011, 83, .	2.9	28
13	Investigation of high- K -states in 252No . Physical Review C, 2012, 86, .	2.9	28
14	Fusion reaction $\text{Ca} + \text{Bk}$ leading to		

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19	Chirality of Nd reexamined: Evidence for multiple chiral doublet bands. <i>Physical Review C</i> , 2019, 100, .	2.9	19
20	Confirming band assignments in ^{167}Yb with gamma-gamma-electron triple-coincidence spectroscopy. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	18
21	In-beam spectroscopy with intense ion beams: Evidence for a rotational structure in ^{246}Fm . <i>Physical Review C</i> , 2012, 85, .	2.9	17
22	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. <i>Physical Review C</i> , 2014, 90, .	2.9	17
23	High-precision mass measurements for the isobaric multiplet mass equation at $A=52$. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 065103.	3.6	17
24	Evolution from Nd -soft to stable triaxiality in Nd as a prerequisite of spectroscopy studies of the new nuclides ^{136}Nd and ^{136}Pt . <i>Physical Review C</i> , 2019, 100, .	2.9	16
25	Spectroscopy studies of the new nuclides ^{165}Pt and ^{170}Hg . <i>Physical Review C</i> , 2019, 100, .	2.9	16
26	Stability of the heaviest elements: K isomer in $\text{No}250$. <i>Physical Review C</i> , 2020, 101, .	2.9	14
27	Decay study of ^{246}Fm at SHIP. <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	13
28	Experimental investigation of the ^{246}Fm band in ^{246}Fm . <i>Physics Letters, Section B: Nuclear, Elementary</i>	4.1	13
29	Confirmation of the new isotope $\text{Pb}178$. <i>Physical Review C</i> , 2016, 94, .	2.9	12
30	Characterization of Supersonic Gas Jets for High-Resolution Laser Ionization Spectroscopy of Heavy Elements. <i>Physical Review X</i> , 2018, 8, .	8.9	12
31	Exploring the boundaries of the nuclear landscape: Pa -decay properties of ^{211}Pa . <i>Physical Review C</i> , 2020, 102, .	2.9	12
32	First Study on Nihonium (Nh , Element 113) Chemistry at TASCA. <i>Frontiers in Chemistry</i> , 2021, 9, 753738.	3.6	12
33	The SPEDE spectrometer. <i>European Physical Journal A</i> , 2018, 54, 1.	2.5	11
34	Low-lying states in $\text{Ra}219$ and $\text{Rn}215$: Sampling microsecond I^{\pm} -decaying nuclei. <i>Physical Review C</i> , 2018, 98, .	2.9	11
35	Towards combining in-beam I^3 -ray and conversion electron spectroscopy. , 2009, , .		10
36	Multiple chiral bands in ^{137}Nd . <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	10

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37	Spectroscopy of ^{136}Nd $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}><\text{mml:mmultiscripts}><\text{mml:mi}>\text{mathvariant}=\text{"normal"}>\text{Kr}</\text{mml:mi}><\text{mml:mprescripts}/><\text{mml:none}/><\text{mml:mn}>70</\text{mml:mn}></\text{mml:mmultiscripts}></\text{mml:math}>$ and isospin symmetry in the ^{136}Nd $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}><\text{mml:mrow}><\text{mml:mi}>\text{T}</\text{mml:mi}><\text{mml:mo}>=</\text{mml:mo}><\text{mml:mn}>1</\text{mml:mn}></\text{mml:mrow}>$	2.9	9
38	Online chemical adsorption studies of Hg, Tl, and Pb on SiO_2 and Au surfaces in preparation for chemical investigations on Cn, Nh, and Fl at TASCA. <i>Radiochimica Acta</i> , 2018, 106, 949-962.	1.2	9
39	Tilted precession bands in Nd^{135} . <i>Physical Review C</i> , 2021, 103, .	2.9	9
40	Bridging the nuclear structure gap between stable and super heavy nuclei. <i>Nuclear Physics A</i> , 2010, 834, 357c-361c.	1.5	8
41	The SAGE spectrometer: A tool for combined in-beam ^{13}I -ray and conversion electron spectroscopy. <i>Journal of Physics: Conference Series</i> , 2011, 312, 052017.	0.4	8
42	Spectroscopic Tools Applied to Element $Z = 115$ Decay Chains. <i>EPJ Web of Conferences</i> , 2014, 66, 02036.	0.3	8
43	Development of a low-energy radioactive ion beam facility for the MARA separator. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	8
44	Production cross section and decay study of Es^{243} and Md^{249} . <i>Physical Review C</i> , 2019, 99, .	2.9	8
45	Evidence against the wobbling nature of low-spin bands in ^{135}Pr . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 824, 136840.	4.1	8
46	Experimental evidence for transverse wobbling bands in ^{136}Nd . <i>Physical Review C</i> , 2022, 105, .	2.9	8
47	Selected spectroscopic results on element 115 decay chains. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1185-1190.	1.5	7
48	Experimental study of isomeric intruder $12+$ states in $\text{At}^{197,203}$. <i>Physical Review C</i> , 2017, 95, .	2.9	7
49	Prompt and delayed spectroscopy of ^{203}At $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}><\text{mml:mmultiscripts}><\text{mml:mi}>\text{At}</\text{mml:mi}><\text{mml:mprescripts}/><\text{mml:none}/><\text{mml:mn}>203</\text{mml:mn}></\text{mml:mmultiscripts}></\text{mml:math}>$: Observation of a shears band and a ^{203}At isomeric state. <i>Physical Review C</i> , 2018, 97, .	2.9	7
50	Collective rotation of an oblate nucleus at very high spin. <i>Physical Review C</i> , 2019, 99, .	2.9	7
51	Population of a low-spin positive-parity band from high-spin intruder states in ^{177}Au : The two-state mixing effect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 806, 135488.	4.1	7
52	Combined in-beam gamma-ray and conversion electron spectroscopy with radioactive ion beams. <i>EPJ Web of Conferences</i> , 2013, 63, 01019.	0.3	6
53	Deformation of the proton emitter ^{113}Cs $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}><\text{mml:mmultiscripts}><\text{mml:mi}>\text{mathvariant}=\text{"bold"}>\text{Cs}</\text{mml:mi}><\text{mml:mprescripts}/><\text{mml:none}/><\text{mml:mn}>113</\text{mml:mn}></\text{mml:mmultiscripts}></\text{mml:math}>$ from electromagnetic transition and proton-emission rates. <i>Physical Review C</i> , 2016, 94, .	2.9	6
54	In-beam ^{13}I -ray and electron spectroscopy of $\text{Md}^{249,251}$. <i>Physical Review C</i> , 2020, 102, .	2.9	6

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55	Identification of the π^{\pm} state in $\text{Ra}218$ populated via α -decay of $\text{Th}222$. Physical Review C, 2016, 94, .	2.9	5
56	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
57	Identification of the π^{\pm} state in $\text{Ra}218$ populated via α -decay of high-spin isomers in $\text{Lu}155$ and $\text{Lu}155$ α -decay spectroscopy of the $N=130$ isotones $\text{Ra}218$ and $\text{Th}220$: Mitigation of α -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
58	Identification of the π^{\pm} state in $\text{Ra}218$ populated via α -decay of high-spin isomers in $\text{Lu}155$ and $\text{Lu}155$ α -decay spectroscopy of the $N=130$ isotones $\text{Ra}218$ and $\text{Th}220$: Mitigation of α -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
59	Spectroscopic Tools Applied to Flerovium Decay Chains. Journal of Physics: Conference Series, 2020, 1643, 012125.	0.4	5
60	Single-particle states and parity doublets in odd- Z $\text{Ac}221$ and $\text{Pa}225$ from the SAGE spectrometer. Physica Scripta, 2012, 85, 055201.	2.9	5
61	Lessons learned with the SAGE spectrometer. Physica Scripta, 2012, 85, 055201.	2.5	4
62	Highly deformed bands in Nd nuclei: New results and consistent interpretation within the cranked Nilsson-Strutinsky formalism. Physical Review C, 2019, 100, .	2.9	4
63	The MARA-LEB ion transport system. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 286-289.	1.4	4
64	Signatures of enhanced octupole correlations at high spin in $\text{Nd}136$. Physical Review C, 2020, 102, .	2.9	4
65	A Geant4 simulation package for the SAGE spectrometer. Journal of Physics: Conference Series, 2012, 381, 012051.	0.4	3
66	Collectivity in $^{196,198}\text{Pb}$ isotopes probed in Coulomb-excitation experiments at REX-ISOLDE. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 064009.	3.6	3
67	Decay spectroscopy of $\text{Pb}97182179$ and evidence for a $9/2^+$ intruder state in $\text{Tl}98181179$. Physical Review C, 2017, 96, .	2.9	3
68	Decay studies of the long-lived states in $\text{Tl}186$. Physical Review C, 2020, 102, .	2.9	3
69	Isomeric $13/2^+$ state in $\text{Fr}201$. Physical Review C, 2020, 101, .	2.9	3
70	Identification of sub- $13/2^+$ isomeric states in the odd-odd nucleus $\text{Au}178$. Physical Review C, 2021, 103, .	2.9	3
71	Commissioning of the SPEDE Spectrometer with Stable Beams. Acta Physica Polonica B, 2017, 48, 403.	0.8	3
72	The SPEDE Spectrometer: Combined In-Beam β -ray and Conversion Electron Spectroscopy with Radioactive Ion Beams. , 2015, , .		3

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73	First observation of high-K isomeric states in ^{249}Md and ^{251}Md . European Physical Journal A, 2021, 57, 1.	2.5	3
74	Spectroscopy of $\text{Hf}161$ from low to high spin. Physical Review C, 2014, 90, .	2.9	2
75	Shapes and Collectivity in Neutron Deficient Even-Mass ^{188}Pb Isotopes. , 2015, , .		2
76	Simulation of the SAGE spectrometer. European Physical Journal A, 2015, 51, 1.	2.5	2
77	Determination of absolute internal conversion coefficients using the SAGE spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 812, 24-32.	1.6	2
78	Decay of a 19h^{\sim} isomeric state in $\text{Lu}156$. Physical Review C, 2018, 98, .	2.9	2
79	Identification of a 6.6h^{\sim} isomeric state in $\text{Ir}175$. Physical Review C, 2019, 99, .	2.9	2
80	A time-of-flight correction procedure for fast-timing data of recoils with varying implantation positions at a spectrometer focal plane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 933, 18-29.	1.6	2
81	Radioactive ion beam manipulation at the IGISOL-4 facility. EPJ Web of Conferences, 2020, 239, 17002.	0.3	2
82	Excited states in ^{217}Ra populated in the ^{217}Fr decay of ^{217}Ac . Physical Review C, 2019, 99, .	2.9	2
83	High-spin states of ^{218}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
84	TRANSMISSION EFFICIENCY OF THE SAGE SPECTROMETER USING GEANT4. , 2013, , .		1
85	In-beam spectroscopic study of ^{244}Cf . Physical Review C, 2018, 97, .	2.9	1
86	Status and development of the MARA low-energy branch. AIP Conference Proceedings, 2018, , .	0.4	1
87	Isomeric ^{132}La state. Physical Review C, 2021, 103, .	2.9	1
88	Lifetime measurements of excited states in $^{169,171,173}\text{Os}$: Persistence of anomalous $B(E2)$ ratios in transitional rare earth nuclei in the presence of a decoupled $i13/2$ valence neutron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136527.	4.1	1
89	Spectroscopy of Very Heavy Elements. AIP Conference Proceedings, 2008, , .	0.4	0
90	K Isomer in ^{252}No . , 2010, , .		0

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91	Investigation of [²⁴⁶ Fm : in-beam spectroscopy at the limits. , 2011, , .		0
92	Nuclear Structure at the Extremes; In-beam $\hat{1}^3$ -ray Spectroscopy of [¹⁸⁰ Pb. , 2011, , .		0
93	First prompt in-beam $\hat{1}^3$ -ray spectroscopy of a superheavy element: the ²⁵⁶ Rf. Journal of Physics: Conference Series, 2013, 420, 012010.	0.4	0
94	Spectroscopy of low-lying states in neutron-deficient astatine and francium nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
95	Lifetime measurements of lowest states in the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{1} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle 0 \langle \text{mml:mi} \rangle \langle \text{mml:multiscript} \rangle$ rotational band in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscript} \rangle$ Physical Review C, 2018, 98, .	2.9	0
96	Fine structure in the $\hat{1}^\pm$ decay of Lu156 and Ta158. Physical Review C, 2019, 99, .	2.9	0
97	TPEN: A Triple-foil differential Plunger for lifetime measurements of excited states in Exotic Nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 923, 139-146.	1.6	0
98	Evidence for octupole collectivity in ^{172}Pt . European Physical Journal A, 2020, 56, 1.	2.5	0
99	Spectroscopy of Very Heavy Elements at and Beyond the Limits. , 2015, , .		0