Philippos Papadakis

List of Publications by Year
in descending order

99	1,356	430874 18	395702 33
papers	citations	h-index	g-index

100	100	100	785
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence against the wobbling nature of low-spin bands in 135Pr. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136840.	4.1	8
2	Experimental evidence for transverse wobbling bands in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Nd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>136</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105, .	2.9	8
3	Spectroscopy along Flerovium Decay Chains: Discovery of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ac</mml:mi><mml:mprescripts /><mml:none /><mml:mn>221</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pa</mml:mi><mml:mprescripts /><mml:none /><mml:mn>225</mml:mn></mml:mmultiscripts></mml:math> from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ds</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>280</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review C, 2021, 103, .	2.9	5
4	Single-particle states and parity doublets in odd-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Z</mml:mi></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ac</mml:mi><mml:mprescripts /><mml:none /><mml:mn>225</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pa</mml:mi><mml:mprescripts /><mml:none /><mml:mn>225</mml:mn></mml:mmultiscripts></mml:math> nuclei. Physical Review C, 2021, 103, .	7.8	37
5	Excited States in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mn>178</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2021, 103, .	2.9	3
6	Tilted precession bands in Nd135. Physical Review C, 2021, 103, .	2.9	9
7	Isomeric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mfrac><mml:mn>13</mml:mn><mml:mn>2</mml:mn></mml:mfrac><mml:mo>−</mml:mo></mml:msup></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi>Î½</mml:mi><mml:msubsup><mml:mi>h</mml:mi><mml:mrow><mml:mn>11</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow><mml:mo>−</mml:mo></mml:msubsup></mml:math> stat. Physical Review C, 2021, 103, .	2.9	1
8	Lifetime measurements of excited states in 169,171,173Os: 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
9	First Study on Nihonium (Nh, Element 113) Chemistry at TASCA. Frontiers in Chemistry, 2021, 9, 753738.	3.6	12
10	First observation of high-K isomeric states in ^{249}Md and ^{251}Md. European Physical Journal A, 2021, 57, 1.	2.5	3
11	The MARA-LEB ion transport system. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 286-289.	1.4	4
12	Stability of the heaviest elements: K isomer in No250. Physical Review C, 2020, 101, .	2.9	14
13	Radioactive ion beam manipulation at the IGISOL-4 facility. EPJ Web of Conferences, 2020, 239, 17002.	0.3	2
14	In-beam Î³ -ray and electron spectroscopy of Md249,251. Physical Review C, 2020, 102, .	2.9	6
15	Signatures of enhanced octupole correlations at high spin in Nd136. Physical Review C, 2020, 102, .	2.9	4
16	Exploring the boundaries of the nuclear landscape: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -decay properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pa</mml:mi><mml:mprescripts /><mml:none /><mml:mn>211</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	12
17	Multiple chiral bands in ^{137}Nd. European Physical Journal A, 2020, 56, 1.	2.5	10
18	Decay studies of the long-lived states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>186</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	3

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19	Isomeric states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ra</mml:mi><mml:mprescripts /><mml:none /><mml:mn>217</mml:mn></mml:mmultiscripts></mml:math> populated in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Th</mml:mi><mml:mprescripts	2.9	2
20	Search for elements 119 and 120. Physical Review C, 2020, 102, .	2.9	41
21	Population of a low-spin positive-parity band from high-spin intruder states in 177Au: The two-state mixing effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135488.	4.1	7
22	Isomeric 13/2+ state in Fr201. Physical Review C, 2020, 101, .	2.9	3
23	Evidence for octupole collectivity in $$^{172}{mathrm {Pt}}$$. European Physical Journal A, 2020, 56, 1.	2.5	0
24	Spectroscopic Tools Applied to Flerovium Decay Chains. Journal of Physics: Conference Series, 2020, 1643, 012125.	0.4	5
25	The jurogamÂ3 spectrometer. European Physical Journal A, 2020, 56, 1.	2.5	24
26	High-spin states of ²¹⁸Th. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
27	Chirality of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Nd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>135</mml:mn></mml:mmultiscripts></mml:math> reexamined: Evidence for multiple chiral doublet bands. Physical Review C, 2019, 100, .	2.9	19
28	Identification of a 6.6Î¼s isomeric state in Ir175. Physical Review C, 2019, 99, .	2.9	2
29	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -spectroscopy studies of the new nuclides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pt</mml:mi><mml:mprescripts /><mml:none /><mml:mn>165</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Hg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>170</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 100,	2.9	16
30	Î± -decay spectroscopy of the N=130 isotones Ra218 and Th220 : Mitigation of Î± -particle energy summing with implanted nuclei. Physical Review C, 2019, 100, .	2.9	5
31	Fine structure in the Î± decay of Lu156 and Ta158. Physical Review C, 2019, 99, .	2.9	0
32	Confirming band assignments in 167ytterbium with gamma-gamma-electron triple-coincidence spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	18
33	Isomeric states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mn>48</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Bk</mml:mi><mml:mprescripts /><mml:none /><mml:mn>249</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> leading to		

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37	Production cross section and decay study of Es243 and Md249. Physical Review C, 2019, 99, .	2.9	8
38	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
39	The SPEDE spectrometer. European Physical Journal A, 2018, 54, 1.	2.5	11
40	Prompt and delayed spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>At</mml:mi><mml:mprescripts /><mml:none /><mml:mn>203</mml:mn></mml:mmultiscripts></mml:math> : Observation of a shears band and a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>29</mml:mn><mml:mo>/</mml:mo><mml:msup><mml: isomeric state. Physical Review C, 2018, 97, .	2.9	7
41	In-beam spectroscopic study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cf</mml:mi><mml:mprescripts /><mml:none /><mml:mn>244</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2018, 97, .	2.9	1
42	Evidence of chiral bands in even-even nuclei. Physical Review C, 2018, 97, .	2.9	49
43	Status and development of the MARA low-energy branch. AIP Conference Proceedings, 2018, , .	0.4	1
44	Lifetime measurements of lowest states in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ï€</mml:mi><mml:msub><mml:mi>g</mml:mi><mml:mro rotational band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscr. Physical Review C, 2018, 98, .	2.9	0
45	Characterization of Supersonic Gas Jets for High-Resolution Laser Ionization Spectroscopy of Heavy Elements. Physical Review X, 2018, 8, .	8.9	12
46	Evolution from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -soft to stable triaxiality in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Nd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>136</mml:mn></mml:mmultiscripts></mml:math> as a prerequisite of chirality. Physical Review C, 2018, 98, .	2.9	16
47	Low-lying states in Ra219 and Rn215 : Sampling microsecond Î± -decaying nuclei. Physical Review C, 2018, 98, .	2.9	11
48	Fine structure in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> decay of high-spin isomers in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Lu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>155</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Hf</mml:mi><mml:mprescripts	2.9	5
49	Decay of a 19â^' isomeric state in Lu156. Physical Review C, 2018, 98, .	2.9	2
50	Lifetime Measurements of Excited States in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Pt</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>172</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> and the Variation of Quadrupole Transition Strength with Angular Momentum. Physical Review Letters	7.8	24
51	On-line chemical adsorption studies of Hg, Tl, and Pb on SiO₂ and Au surfaces in preparation for chemical investigations on Cn, Nh, and Fl at TASCA. Radiochimica Acta, 2018, 106, 949-962.	1.2	9
52	Towards saturation of the electron-capture delayed fission probability: The new isotopes 240 Es and 236 Bk. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 265-270.	4.1	19
53	Collectivity in^{196,198}Pb isotopes probed in Coulomb-excitation experiments at REX-ISOLDE. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 064009.	3.6	3
54	High-precision mass measurements for the isobaric multiplet mass equation atA= 52. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 065103.	3.6	17

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55	Experimental study of isomeric intruder 12+ states in At197,203. Physical Review C, 2017, 95, .	2.9	7
56	In-beam study of 253No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
57	Decay spectroscopy of Pb97182179 and evidence for a 9/2â^' intruder state in Tl98181179. Physical Review C, 2017, 96, .	2.9	3
58	Commissioning of the SPEDE Spectrometer with Stable Beams. Acta Physica Polonica B, 2017, 48, 403.	0.8	3
59	Deformation of the proton emitter<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="bold">Cs</mml:mi><mml:mprescripts /><mml:none /><mml:mn>113</mml:mn></mml:mmultiscripts></mml:math>from electromagnetic transition and	2.9	6
60	Spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Kr</mml:mi><mml:mprescripts /><mml:none /><mml:mn>70</mml:mn></mml:mmultiscripts></mml:math> and isospin symmetry in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>T</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn></mml:mr shell nuclei. Physical Review C, 2016, 94, .	2.9	9
61	Confirmation of the new isotope Pb178. Physical Review C, 2016, 94, .	2.9	12
62	Identification of theJÏ€=1â^'state inRa218populated viaÎ±decay ofTh222. Physical Review C, 2016, 94, .	2.9	5
63	Development of a low-energy radioactive ion beam facility for the MARA separator. Hyperfine Interactions, 2016, 237, 1.	0.5	8
64	Recoil-Î±-fission and recoil-Î±â€“Î±-fission events observed in the reaction 48Ca + 243Am. Nuclear Physics A, 2016, 953, 117-138.	1.5	48
65	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
66	Spectroscopy of low-lying states in neutron-deficient astatine and francium nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
67	Shapes and Collectivity in Neutron Deficient Even-Mass ^{188â€“198}Pb Isotopes. , 2015, , .		2
68	Selected spectroscopic results on element 115 decay chains. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1185-1190.	1.5	7
69	Simulation of the SAGE spectrometer. European Physical Journal A, 2015, 51, 1.	2.5	2
70	The SPEDE Spectrometer: Combined In-Beam Î³-ray and Conversion Electron Spectroscopy with Radioactive Ion Beams. , 2015, , .		3
71	Spectroscopy of Very Heavy Elements at and Beyond the Limits. , 2015, , .		0
72	Alpha-Photon Coincidence Spectroscopy Along Element 115 Decay Chains. Acta Physica Polonica B, 2014, 45, 263.	0.8	22

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73	Spectroscopy ofHf161from low to high spin. Physical Review C, 2014, 90, .	2.9	2
74	Spectroscopy on the proton drip-line: Probing the structure dependence of isospin nonconserving interactions. Physical Review C, 2014, 90, .	2.9	17
75	The SAGE spectrometer. European Physical Journal A, 2014, 50, 1.	2.5	34
76	Experimental investigation of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mrow><mml:mn>0</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mmultiscripts><mml:mrow><mml:mtext>Sm</mml:mtext></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>154</mml:mn></mml:mrow></mml:mmu	4.1	13
77	Physics Letters, Section B: Nuclear, Elementa display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>48</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mrow><mml:mn>249</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>Fusion	7.8	220
78	Spectroscopic Tools Applied to Element Z = 115 Decay Chains. EPJ Web of Conferences, 2014, 66, 02036.	0.3	8
79	Spectroscopy of Element 115 Decay Chains. Physical Review Letters, 2013, 111, 112502.	7.8	122
80	TRANSMISSION EFFICIENCY OF THE SAGE SPECTROMETER USING GEANT4. , 2013, , .		1
81	First prompt in-beam Î³-ray spectroscopy of a superheavy element: the256Rf. Journal of Physics: Conference Series, 2013, 420, 012010.	0.4	0
82	Combined in-beam gamma-ray and conversion electron spectroscopy with radioactive ion beams. EPJ Web of Conferences, 2013, 63, 01019.	0.3	6
83	Lessons learned with the SAGE spectrometer. Physica Scripta, 2012, 85, 055201.	2.5	4
84	Shell-Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mo mathvariant="bold">=</mml:mo><mml:mn>104</mml:mn></mml:math>Nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Rf</mml:mi><mml:mprescripts /><mml:none /><mml:mn>256</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2012, 109, 012501.	7.8	59
85	Investigation of high-Kstates in252No. Physical Review C, 2012, 86, .	2.9	28
86	In-beam spectroscopy with intense ion beams: Evidence for a rotational structure in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>246</mml:mn></mml:msup></mml:math>Fm. Physical Review C, 2012, 85, .	2.9	17
87	A Geant4 simulation package for the SAGE spectrometer. Journal of Physics: Conference Series, 2012, 381, 012051.	0.4	3
88	The SAGE spectrometer: A tool for combined in-beamÎ³-ray and conversion electron spectroscopy. Journal of Physics: Conference Series, 2011, 312, 052017.	0.4	8
89	Decay study of 246Fm at SHIP. European Physical Journal A, 2011, 47, 1.	2.5	13
90	Combined in-beam electron and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-ray spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Hg</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>184</mml:mn><mml:mo>,</mml:mo><mml:mn>186</mml:mn></mml:mrow></mml:mmultiscripts></mml:m	2.9	29

#	Article	IF	Citations
91	Shape coexistence at the proton drip-line: First identification of excited states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>K</mml:mi></mml:mrow></mml:math>isomer in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Rf</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>256</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2011, 83, .	2.9	28
92	Investigation of [sup 246]Fm : in-beam spectroscopy at the limits. , 2011, , .		0
93	Nuclear Structure at the Extremes; In-beam Î³-ray Spectroscopy of [sup 180]Pb. , 2011, , .		0
94	Bridging the nuclear structure gap between stable and super heavy nuclei. Nuclear Physics A, 2010, 834, 357c-361c.	1.5	8
95	Shape coexistence at the proton drip-line: First identification of excited states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>180</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2010, 82, .	2.9	28
96	K Isomer in [sup 252]No. , 2010, , .		0
97	Towards combining in-beam Î³-ray and conversion electron spectroscopy. , 2009, , .		10
98	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-Ray Spectroscopy at the Limits: First Observation of Rotational Bands in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Lr</mml:mi><mml:mprescripts /><mml:none /><mml:mn>255</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2009, 102, 212501.	7.8	34
99	Spectroscopy of Very Heavy Elements. AIP Conference Proceedings, 2008, , .	0.4	0