

Andrei Andreyev

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

2,399
citations

236925

25
h-index

206112

48
g-index

74
all docs

74
docs citations

74
times ranked

1212
citing authors

#	ARTICLE	IF	CITATIONS
1	A triplet of differently shaped spin-zero states in the atomic nucleus 186Pb. Nature, 2000, 405, 430-433.	27.8	367
2	New Type of Asymmetric Fission in Proton-Rich Nuclei. Physical Review Letters, 2010, 105, 252502.	7.8	197
3	Nuclear fission: a review of experimental advances and phenomenology. Reports on Progress in Physics, 2018, 81, 016301.	20.1	135
4	Nuclear Charge Radii of Neutron-Deficient Lead Isotopes Beyond N=104 Midshell Investigated by In-Source Laser Spectroscopy. Physical Review Letters, 2007, 98, 112502.	7.8	116
5	Characterization of the shape-staggering effect in mercury nuclei. Nature Physics, 2018, 14, 1163-1167.	16.7	106
6	Early Onset of Ground State Deformation in Neutron Deficient Polonium Isotopes. Physical Review Letters, 2011, 106, 052503.	7.8	94
7	Signatures of the $Z > 82$ Shell Closure in I^{π} Decay Process. Physical Review Letters, 2013, 110, 242502.	7.8	93
8	Magnetic Dipole Moment of ^{67}Cu Measured by In-Gas-Cell Laser Spectroscopy. Physical Review Letters, 2009, 103, 102501.	7.8	72
9	Role of Multichance Fission in the Description of Fission-Fragment Mass Distributions at High Energies. Physical Review Letters, 2017, 119, 222501.	7.8	55
10	Hindered ($I^{\pi}=0$) Alpha Decay and Shape Staggering in ^{191}Po . Physical Review Letters, 1999, 82, 1819-1822.	7.8	51
11	Electromagnetic moments of odd- A ^{203}Po and ^{211}Po . Physical Review Letters, 2003, 91, 022501.	2.9	51
12	New I^{π} ^{211}Po Emitting Isotope. Physical Review Letters, 2003, 91, 022501.	7.8	47
13	Alpha-decay of neutron-deficient ^{200}Fr and heavier neighbours. European Physical Journal A, 2005, 23, 243-247.	2.5	46
14	Shape coexistence in ^{180}Hg studied through the I^2 decay of ^{180}Tl . Physical Review C, 2011, 84, .	2.9	46
15	Isospin dependence of mass-distribution shape of fission fragments of Hg isotopes. Physical Review C, 2013, 88, .	2.9	44
16	Shape-changing particle decays of ^{185}Bi and structure of the lightest odd-mass Bi isotopes. Physical Review C, 2004, 69, .	2.9	43
17	Shape staggering of midshell mercury isotopes from in-source laser spectroscopy compared with density-functional-theory and Monte Carlo shell-model calculations. Physical Review C, 2019, 99, .	2.9	43
18	Evolution of fission-fragment mass distributions in the neutron-deficient lead region. Physical Review C, 2014, 90, .	2.9	39

#	ARTICLE	IF	CITATIONS
19	Identification of low-lying proton-based intruder states in ^{189}Pb . Physical Review C, 2002, 65, . Laser Spectroscopy of Neutron-Rich ^{207}Hg . Physical Review C, 2002, 65, .	2.9	37
20	Isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the ^{207}Hg and ^{208}Pb isotopes. Physical Review C, 2018, 97, .	2.9	37
21	Decay of the ^{195}At isomer. Physical Review C, 2018, 97, .	2.9	35
22	Decay of the ^{181}Tl isomer and mass determination of low-lying states in ^{181}Tl , ^{177}Au , and ^{173}Ir . Physical Review C, 2009, 80, .	2.9	31
23	Abrupt changes in β -decay systematics as a manifestation of collective nuclear modes. Physical Review C, 2010, 81, .	2.9	30
24	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
25	Large Shape Staggering in Neutron-Deficient Bi Isotopes. Physical Review Letters, 2021, 127, 192501.	7.8	27
26	β -delayed fission and β -decay of ^{178}Tl . Physical Review C, 2013, 88, .	2.9	24
27	Hyperfine anomaly in gold and magnetic moments of ^{197}Au and ^{199}Au gold isomers. Physical Review C, 2020, 101, .	2.9	24
28	The new isotope ^{208}Th . European Physical Journal A, 2010, 46, 337-343.	2.5	23
29	Changes in mean-squared charge radii and magnetic moments of ^{179}Tl and ^{184}Tl . Physical Review C, 2014, 89, .	2.9	23
30	Decay of ^{201}Ra and ^{203}Ra . Physical Review C, 2014, 89, .	2.9	22
31	Structure of ^{191}Pb from β - and β -decay spectroscopy. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 125103.	3.6	20
32	Asymmetric and symmetric fission of excited nuclei of ^{180}Hg and ^{190}Hg . Physical Review C, 2014, 89, .	2.9	20
33	Prolate deformation in the $^{187,189}\text{Bi}$ isotopes. European Physical Journal A, 2004, 21, 365-368.	2.5	19
34	The new isotope ^{218}U . Zeitschrift für Physik A, 1992, 342, 123-124.	0.9	18
35	Isomeric and ground-state decay of ^{215}Bi . European Physical Journal A, 2003, 18, 31-37.	2.5	18
36	β -decay and recoil decay tagging studies of ^{183}Tl . Physical Review C, 2004, 70, .	2.9	18

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37	Fission-barrier heights of neutron-deficient mercury nuclei. Physical Review C, 2012, 86, .	2.9	18
38	In-Source Laser Spectroscopy with the Laser Ion Source and Trap: First Direct Study of the Ground-State Properties of ^{217}Po . Physical Review X, 2015, 5, .	8.9	18
39	Experimental Evidence for Common Driving Effects in Low-Energy Fission from Sublead to Actinides. Physical Review Letters, 2021, 126, 132502.	7.8	16
40	Fission of ^{180}Hg and ^{182}Hg . Physical Review Letters, 2017, 118, 182601.	2.9	15
41	Empirical description of ^{208}Pt -delayed fission partial half-lives. Physical Review C, 2015, 91, .	2.9	14
42	Shape coexistence studied in $^{182,184}\text{Hg}$ via the ^{182}Hg decay of $^{182,184}\text{Tl}$. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 074001.	3.6	13
43	Inverse odd-even staggering in nuclear charge radii and possible octupole collectivity in $^{217,218,219}\text{At}$ revealed by in-source laser spectroscopy. Physical Review C, 2019, 99, .	2.9	13
44	The decay of the new neutron-rich isotope ^{217}Bi . European Physical Journal A, 2003, 18, 5-8.	2.5	11
45	Competition between Allowed and First-Forbidden ^{182}Hg Decay: The Case of ^{182}Tl . Physical Review Letters, 2016, 116, 182501.	7.8	11
46	^{182}Tl -decay study of $^{182,184}\text{Tl}$. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 025102.	3.6	10
47	^{200}Fr -decay properties of ^{202}Fr . Physical Review C, 2020, 102, .	2.9	10
48	Laser-assisted decay spectroscopy for the ground states of ^{180}Au and ^{182}Au . Physical Review C, 2020, 102, .	2.9	10
49	Charge radii, moments, and masses of mercury isotopes across the ^{185}Bi shell closure. Physical Review C, 2021, 104, .	7.8	10
50	Charge radii, moments, and masses of mercury isotopes across the ^{185}Bi shell closure. Physical Review C, 2021, 104, .	2.9	10
51	De-excitation of the strongly coupled band in ^{177}Au and implications for core intruder configurations in the light Hg isotopes. Physical Review C, 2017, 95, .	2.9	9
52	In-beam spectroscopy at the RITU gas-filled recoil separator. European Physical Journal A, 2003, 20, 87-92.	2.5	8
53	Decay of ^{185}Tl , $^{185\text{m}+g}\text{Hg}$, $^{189\text{m}+g}\text{Pb}$ and energy location of the $13/2^+$ isomeric states in ^{185}Hg , ^{189}Pb , ^{193}Po and ^{197}Rn . European Physical Journal A, 2013, 49, 1.	2.5	8
54	^{176}Au decay. Physical Review C, 2014, 90, .	2.9	8

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55	Laser-assisted decay spectroscopy and mass spectrometry of ^{178}Au . Physical Review C, 2020, 102, .	2.9	8
56	Internal decay of the ^{184}Tl state in ^{179}Au . Physical Review C, 2015, 92, .	2.9	7
57	^{230}Am -delayed fission of ^{230}Am . Physical Review C, 2017, 96, .	2.9	7
58	Study of Mass-Asymmetric Fission of $^{180,190}\text{Hg}$ Formed in the $^{36}\text{Ar} + ^{144,154}\text{Sm}$ Reactions. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 1001-1006.	0.6	7
59	Laser-assisted nuclear decay spectroscopy of ^{179}Au . Physical Review C, 2021, 104, .	2.9	7
60	Measurement of fission-fragment mass distributions in the multinucleon transfer channels of $^{18}\text{O} + ^{237}\text{Np}$ reaction.	2.9	6
61	First Accurate Normalization of the $^{12}\text{C}(\hat{1}, \hat{3})\text{O}16$ Astrophysical Reaction Rate. Physical Review Letters, 2018, 121, 142701.	7.8	5
62	Validation of the multinucleon transfer method for the determination of the fission barrier height. Physical Review C, 2019, 100, .	2.9	5
63	Identification and decay of the ^{13}Hg isomer. Physical Review C, 2019, 100, .	2.9	4
64	Short-lived isomers in ^{192}Po and ^{194}Po . Physical Review C, 2016, 93, .	2.9	4
65	Detailed ^{180}Tl -decay study of ^{180}Tl . Physical Review C, 2017, 96, .	2.9	4
66	Effects of beam energy distribution on fusion-evaporation excitation functions. International Journal of Modern Physics E, 2014, 23, 1450001.	1.0	3
67	Decay studies of the long-lived states in ^{186}Tl . Physical Review C, 2020, 102, .	2.9	3
68	Identification of sub- $^{1/4}\text{s}$ isomeric states in the odd-odd nucleus ^{178}Au . Physical Review C, 2021, 103, .	2.9	3
69	Identification of a $6.6\hat{1}/4\text{s}$ isomeric state in ^{175}Ir . Physical Review C, 2019, 99, .	2.9	2
70	^{180}Pt -decay branching ratio of ^{180}Pt . Physical Review C, 2020, 101, .	2.9	2
71	^{208}Po populated through $^{12}\text{C} + ^{208}\text{Po}$ decay. Journal of Physics: Conference Series, 2020, 1643, 012116.	0.4	1
72	High-Statistics Sub-Barrier Coulomb Excitation of $^{106,108,110}\text{Sn}$. , 2020, , .		0