

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	Identification of sub- α particles in the decay of ^{180}Hg . Physical Review C, 2020, 102, 014301.	2.9	153
2	Identification of sub- α particles in the decay of ^{182}Hg . Physical Review C, 2020, 102, 014302.	2.9	3
3	Identification of sub- α particles in the decay of ^{184}Hg . Physical Review C, 2021, 103, 014301.	7.8	47
4	Experimental Evidence for Common Driving Effects in Low-Energy Fission from Sublead to Actinides. Physical Review Letters, 2021, 126, 132502.	7.8	16
5	Asymmetric and symmetric fission of excited nuclei of ^{180}Hg . Physical Review C, 2020, 102, 014303.	2.9	20
6	Laser-assisted nuclear decay spectroscopy of ^{176}Au . Physical Review C, 2021, 104, 014301.	2.9	7
7	Isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the ^{180}Hg isotopes. Physical Review Letters, 2021, 127, 192501.	7.8	27
8	Large Shape Staggering in Neutron-Deficient Bi Isotopes. Physical Review Letters, 2021, 127, 192501.	7.8	27
9	Solving the Puzzle of the Decay of the Heaviest Known Proton-Emitting Nucleus ^{185}Bi . Physical Review Letters, 2021, 127, 262501.	7.8	10
10	Charge radii, moments, and masses of mercury isotopes across the ^{180}Hg shell closure. Physical Review C, 2021, 104, 014301.	2.9	10
11	Laser-assisted decay spectroscopy for the ground states of ^{180}Hg . Physical Review C, 2020, 102, 014301.	2.9	10
12	Laser-assisted decay spectroscopy and mass spectrometry of ^{178}Au . Physical Review C, 2020, 102, 014301.	2.9	8
13	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
14	Decay studies of the long-lived states in ^{186}Tl . Physical Review C, 2020, 102, 014301.	2.9	3
15	Competition between Allowed and First-Forbidden α Decays: The Case of ^{18}O . Physical Review C, 2020, 102, 014301.	2.9	6
16	Decay: The Case of ^{18}O . Physical Review C, 2020, 102, 014301.	7.8	11
17	Hyperfine anomaly in gold and magnetic moments of ^{197}Au gold isomers. Physical Review C, 2020, 101, 014301.	2.9	2
18	α -decay branching ratio of ^{180}Pt . Physical Review C, 2020, 101, 014301.	2.9	2

#	ARTICLE	IF	CITATIONS
19	208Po populated through EC/ \hat{I}^2 + decay. Journal of Physics: Conference Series, 2020, 1643, 012116.	0.4	1
20	High-Statistics Sub-Barrier Coulomb Excitation of $^{106,108,110}\text{Sn}$, 2020, , .		0
21	Validation of the multinucleon transfer method for the determination of the fission barrier height. Physical Review C, 2019, 100, .	2.9	5
22	Identification of a $6.6\hat{I}^4\text{s}$ isomeric state in Ir175. Physical Review C, 2019, 99, .	2.9	2
23	\hat{I}^2 -decay properties of ^{200}Fr Physical Review C, 2019, 100, .	2.9	10
24	Inverse odd-even staggering in nuclear charge radii and possible octupole collectivity in At217,218,219 revealed by in-source laser spectroscopy. Physical Review C, 2019, 99, .	2.9	13
25	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
26	Nuclear fission: a review of experimental advances and phenomenology. Reports on Progress in Physics, 2018, 81, 016301.	20.1	135
27	First Accurate Normalization of the \hat{I}^2 -delayed \hat{I}^{\pm} Decay of N16 and Implications for the C12(\hat{I}^{\pm},\hat{I}^3)O16 Astrophysical Reaction Rate. Physical Review Letters, 2018, 121, 142701.	7.8	5
28	Characterization of the shape-staggering effect in mercury nuclei. Nature Physics, 2018, 14, 1163-1167.	16.7	106
29	Charge radii and electromagnetic moments of ^{195}At Changes in mean-squared charge radii and magnetic moments of ^{179}Tl measured by in-source laser spectroscopy. Physical Review C, 2017, 95, .	2.9	35
30	Changes in mean-squared charge radii and magnetic moments of ^{179}Tl measured by in-source laser spectroscopy. Physical Review C, 2017, 95, .	2.9	23
31	Shape coexistence studied in $^{182,184}\text{Hg}$ via the \hat{I}^2 decay of $^{182,184}\text{Tl}$. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 074001.	3.6	13
32	De-excitation of the strongly coupled band in Au177 and implications for core intruder configurations in the light Hg isotopes. Physical Review C, 2017, 95, .	2.9	9
33	Detailed \hat{I}^{\pm} -decay study of ^{230}Am Physical Review C, 2017, 96, .	2.9	4
34	\hat{I}^2 -delayed fission of ^{230}Am Physical Review C, 2017, 96, .	2.9	7
35	Role of Multichance Fission in the Description of Fission-Fragment Mass Distributions at High Energies. Physical Review Letters, 2017, 119, 222501.	7.8	55
36	\hat{I}^{\pm} -decay study of $^{182,184}\text{Tl}$. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 025102.	3.6	10

#	ARTICLE	IF	CITATIONS
37	Short-lived isomers in Po	2.9	4
38	Internal decay of the ^{10}Po	2.9	7
39	Ground-State Properties of Po	8.9	18
40	Empirical description of Po -delayed fission partial half-lives. Physical Review C, 2015, 91, .	2.9	14
41	Effects of beam energy distribution on fusion-evaporation excitation functions. International Journal of Modern Physics E, 2014, 23, 1450001.	1.0	3
42	Electromagnetic moments of odd- Po	2.9	51
43	Decay of Po	2.9	22
44	Evolution of fission-fragment mass distributions in the neutron-deficient lead region. Physical Review C, 2014, 90, .	2.9	39
45	Po decay of Au176. Physical Review C, 2014, 90, .	2.9	8
46	Decay of ^{185}Tl , ^{185m}gHg , ^{189m}gPb 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
47	Po -delayed fission and Signatures of the Po	2.9	24
48	Shell Closure in Po -Decay Process. Physical Review Letters, 2013, 110, 242502.	7.8	93
49	Isospin dependence of mass-distribution shape of fission fragments of Hg isotopes. Physical Review C, 2013, 88, .	2.9	44
50	Fission-barrier heights of neutron-deficient mercury nuclei. Physical Review C, 2012, 86, .	2.9	18
51	Early Onset of Ground State Deformation in Neutron Deficient Polonium Isotopes. Physical Review Letters, 2011, 106, 052503.	7.8	94
52	Shape coexistence in Hg	2.9	46
53	The new isotope ^{208}Th . European Physical Journal A, 2010, 46, 337-343.	2.5	23
54	Abrupt changes in Po -decay systematics as a manifestation of collective nuclear modes. Physical Review C, 2010, 81, .	2.9	30

#	ARTICLE	IF	CITATIONS
55	Structure of ^{191}Pb from \hat{I}^{\pm} - and \hat{I}^2 -decay spectroscopy. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 125103.	3.6	20
56	New Type of Asymmetric Fission in Proton-Rich Nuclei. Physical Review Letters, 2010, 105, 252502.	7.8	197
57	Identification and decay of the 0.48 ms ^{132}Hg isomer. Physical Review C, 2009, 80, 054307.	2.9	4
58	Decay of the $9/2^+$ isomer in ^{181}Tl and mass determination of low-lying states in ^{181}Tl , ^{177}Au , and ^{173}Ir . Physical Review C, 2009, 80, .	2.9	31
59	Magnetic Dipole Moment of ^{57}Cu Measured by In-Gas-Cell Laser Spectroscopy. Physical Review Letters, 2009, 103, 102501.	7.8	72
60	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
61	Alpha-decay of neutron-deficient ^{200}Fr and heavier neighbours. European Physical Journal A, 2005, 23, 243-247.	2.5	46
62	\hat{I}^{\pm} decay and recoil decay tagging studies of ^{183}Tl . Physical Review C, 2004, 70, .	2.9	18
63	Shape-changing particle decays of ^{185}Bi and structure of the lightest odd-mass Bi isotopes. Physical Review C, 2004, 69, .	2.9	43
64	Prolate deformation in the $^{187,189}\text{Bi}$ isotopes. European Physical Journal A, 2004, 21, 365-368.	2.5	19
65	In-beam spectroscopy at the RITU gas-filled recoil separator. European Physical Journal A, 2003, 20, 87-92.	2.5	8
66	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
67	The decay of the new neutron-rich isotope ^{217}Bi . European Physical Journal A, 2003, 18, 5-8.	2.5	11
68	Isomeric and ground-state decay of ^{215}Bi . European Physical Journal A, 2003, 18, 31-37.	2.5	18
69	Identification of low-lying proton-based intruder states in ^{189}Pb . Physical Review C, 2002, 65, .	2.9	37
70	A triplet of differently shaped spin-zero states in the atomic nucleus ^{186}Pb . Nature, 2000, 405, 430-433.	27.8	367
71	Hindered ($\hat{I}^{\pi}=0$) Alpha Decay and Shape Staggering in ^{191}Po . Physical Review Letters, 1999, 82, 1819-1822.	7.8	51
72	The new isotope ^{218}U . Zeitschrift für Physik A, 1992, 342, 123-124.	0.9	18