

Boris Andel

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

675
citations

623734

14
h-index

580821

25
g-index

51
all docs

51
docs citations

51
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the shape-staggering effect in mercury nuclei. Nature Physics, 2018, 14, 1163-1167.	16.7	106
2	New developments of the in-source spectroscopy method at RILIS/ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 550-556.	1.4	47
3	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
4	Evolution of fission-fragment mass distributions in the neutron-deficient lead region. Physical Review C, 2014, 90, .	2.9	39
5	Laser spectroscopy of Neutron-Rich ^{207}Hg and ^{208}Hg isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the Charge radii and electromagnetic moments of ^{207}Hg and ^{208}Hg . Physical Review C, 2018, 97, .	2.9	35
6	Large Shape Staggering in Neutron-Deficient Bi Isotopes. Physical Review Letters, 2021, 127, 192501.	7.8	27
8	Decay of the very neutron-deficient isotopes ^{197}At and ^{199}At . Physical Review C, 2013, 87, .	2.9	25
9	Investigation of electron capture decay of ^{258}Db and α decay of ^{258}Rf . European Physical Journal A, 2016, 52, 1.	2.5	25
10	Hyperfine anomaly in gold and magnetic moments of ^{201}Au and ^{203}Au gold isomers. Physical Review C, 2020, 101, .	2.9	24
11	Decay of ^{201}Ra and ^{202}Ra . Physical Review C, 2014, 89, .	2.9	22
12	Change in structure between the $\lambda = 1/2$ states in ^{181}Tl and $^{177,179}\text{Au}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 355-363.	4.1	22
13	Alpha- and EC-decay measurements of ^{257}Rf . European Physical Journal A, 2016, 52, 1.	2.5	14
14	The $^{48}\text{Ca} + ^{181}\text{Ta}$ reaction: Cross section studies and investigation of neutron-deficient ^{86}Z isotopes. Nuclear Physics A, 2019, 987, 337-349.	1.5	14
15	First experimental tests of the modernized VASSILISSA separator. Physics of Particles and Nuclei Letters, 2015, 12, 35-42.	0.4	13
16	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
17	Experimental tests of the modernized VASSILISSA separator (SHELS) with the use of accelerated ^{50}Ti ions. Physics of Particles and Nuclei Letters, 2015, 12, 43-47.	0.4	12
18	Levels in ^{223}Th populated by λ decay of ^{227}U . Physical Review C, 2015, 92, .	2.9	11

#	ARTICLE	IF	CITATIONS
19	isomerism in ^{255}Rf -delayed fission and total kinetic energy measurements for spontaneous fission of ^{255}Rf . Physics of Particles and Nuclei Letters, 2016, 13, 480-482.	2.9	11
20	^{255}Rf -delayed fission and ^{256}Rf decay of ^{255}Rf . Physics of Particles and Nuclei Letters, 2016, 13, 480-482.	2.9	10
21	Spontaneous fission of ^{256}Rf , new data. Physics of Particles and Nuclei Letters, 2016, 13, 480-482.	0.4	10
22	Laser-assisted decay spectroscopy for the ground states of ^{180}Au and ^{182}Au . Physical Review C, 2020, 102, .	2.9	10
23	Charge radii, moments, and masses of mercury isotopes across the ^{216}Po shell closure. Physical Review C, 2021, 104, .	2.9	10
24	Laser-assisted decay spectroscopy and mass spectrometry of ^{178}Au . Physical Review C, 2020, 102, .	2.9	8
25	^{230}Am -delayed fission of ^{230}Am . Physical Review C, 2017, 96, .	2.9	7
26	^{212}Bi -delayed fission of isomers in ^{212}Bi . Physical Review C, 2020, 102, .	2.9	7
27	Laser-assisted nuclear decay spectroscopy of ^{176}Au and ^{177}Au . Physical Review C, 2021, 104, .	2.9	7
28	Alpha-gamma decay studies of ^{258}Db and its (grand)daughter nuclei ^{254}Lr and ^{250}Md . European Physical Journal A, 2019, 55, 1.	2.5	6
29	The New ^{249}No Isotope. Physics of Particles and Nuclei Letters, 2021, 18, 445-448.	0.4	6
30	Fine structure in the ^{218}At decay of ^{218}At . Physical Review C, 2019, 99, .	2.9	5
31	Alpha-decay spectroscopy of ^{257}Rf . European Physical Journal A, 2022, 58, 1.	2.5	5
32	Short-lived isomers in ^{192}Po and ^{194}Po . Physical Review C, 2016, 93, .	2.9	4
33	Detailed ^{194}Po -decay study of ^{194}Po . Physical Review C, 2017, 96, .	2.9	4
34	Prompt Neutrons from Spontaneous ^{254}Rf Fission. Physics of Particles and Nuclei Letters, 2019, 16, 768-771.	0.4	4
35	Decay Spectroscopy of Heavy Isotopes at SHIP Using the COMPASS Focal Plane Detection Set-up. Acta Physica Polonica B, 2018, 49, 613.	0.8	4
36	Alpha-gamma decay studies of ^{247}Md . European Physical Journal A, 2022, 58, 1.	2.5	4

#	ARTICLE	IF	CITATIONS
37	COMPASS – A COMPACT decay spectroscopy set-up. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 907, 81-89.	1.6	3
38	Decay studies of the long-lived states in ^{186}Tl . Physical Review C, 2020, 102, 014301.	2.9	3
39	^{180}Pt -decay branching ratio of ^{180}Pt . Physical Review C, 2020, 101, 014301.	2.9	2
40	Total Kinetic Energy Measurements for Spontaneous Fission of ^{255}Rf . Acta Physica Polonica B, 2018, 49, 605.	0.8	2
41	Isomeric States in ^{255}Rf , ^{256}Rf and ^{257}Rf . Acta Physica Polonica B, 2020, 51, 849.	0.8	2
42	Decay studies of new isomeric states in ^{255}No . Physical Review C, 2022, 106, 014301.	2.9	2
43	New \hat{I}^2 -decaying state in Bi214. Physical Review C, 2021, 104, 014301.	2.9	1
44	Nuclear structure studies in the seaborgium region at SHIP. AIP Conference Proceedings, 2015, , .	0.4	0
45	Production and decay spectroscopy of ^{192}Po and ^{194}Po . AIP Conference Proceedings, 2015, , .	0.4	0
46	Short-Lived Isotopes of Transfermium Elements: Studying Characteristics of Spontaneous Fissioning. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 632-636.	0.6	0
47	Spontaneous fission of rutherfordium isotopes - total kinetic energies. EPJ Web of Conferences, 2019, 223, 01043.	0.3	0
48	The study of the properties of spontaneously fissioning transfermium nuclei synthesized in the complete fusion reactions with heavy ions. Journal of Physics: Conference Series, 2020, 1643, 012160.	0.4	0
49	Producing gold at ISOLDE-CERN. Nuclear Instruments & Methods in Physics Research B, 2022, 513, 26-32.	1.4	0