

# Stefan Lalkovski

## List of Publications by Year in descending order

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123  
papers

2,570  
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172457

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125  
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125  
docs citations

125  
times ranked

1215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the low-lying states in $Pd$ . Physical Review C, 2022, 105, 014307.	2.9	1
2	Observation of new neutron-rich isotopes in the vicinity of $Zr$ . Physical Review C, 2021, 103, 014307.	2.9	7
3	boundary of the $N=90$ shape phase transition: $Ce$ . Physical Review C, 2020, 102, 014307.	2.9	9
4	Isomeric and $\hat{I}^2$ -decay spectroscopy of $Ho_{173,174}$ . Physical Review C, 2020, 102, 014307.	2.9	2
5	odd nucleus $Hf$ . Physical Review C, 2020, 102, 014307.	2.9	8
6	Competition between Allowed and First-Forbidden $\hat{I}^2$ Decay: The Case of $Hg$ . Physical Review C, 2020, 102, 014307.	7.8	11
7	Ground-state $Tl$ studied through $\hat{I}^2$ decay. Physical Review C, 2020, 102, 014307.	2.9	11
8	Shape evolution of neutron-rich $Mo$ isotopes in the triaxial degree of freedom. Physical Review C, 2020, 101, 014307.	2.9	16
9	FATIMA $\hat{I}^2$ Fast TIMing Array for DESPEC at FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163967.	1.6	29
10	Lifetimes and shape-coexisting states of $Zr_{99}$ . Physical Review C, 2019, 100, 014307.	2.9	10
11	Fast-timing measurements in the ground-state band of $Pd_{114}$ . Physical Review C, 2019, 100, 014307.	2.9	10
12	Investigation of the $\hat{I}^2$ selection rule in Gamow-Teller transitions: The $\hat{I}^2$ -decay of $207Hg$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 271-275.	4.1	6
13	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
14	Nuclear Data Sheets for $A=105$ . Nuclear Data Sheets, 2019, 161-162, 1-353.	2.2	10
15	The boundary of the $N=90$ shape phase transition: $148Ce$ . Journal of Physics: Conference Series, 2018, 1023, 012022.	0.4	0
16	The $\hat{I}^3$ - $\hat{I}^3$ fast-timing technique and the EXILL&FATIMA campaign. EPJ Web of Conferences, 2018, 193, 04008.	0.3	0
17	Lifetime measurement in neutron-rich $A\sim 100$ nuclei. EPJ Web of Conferences, 2018, 193, 05003.	0.3	0
18	Fast-timing measurements in neutron-rich odd-mass zirconium isotopes using $LaBr_3:Ce$ detectors coupled with Gammasphere. EPJ Web of Conferences, 2018, 193, 05004.	0.3	1

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19	$\hat{I}^2\text{-}\hat{I}^3$ and isomeric decay spectroscopy of $^{168}\text{Dy}$ . EPJ Web of Conferences, 2018, 178, 02023.	0.3	0
20	Is seniority a partial dynamic symmetry in the first $\hat{I}^2g_{9/2}$ shell?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 706-712.	4.1	21
21	Fast-timing Measurements in $^{100}\text{Zr}$ Using $\text{LaBr}_3(\text{Ce})$ Detectors Coupled with Gammasphere. Acta Physica Polonica B, 2018, 49, 555.	0.8	2
22	Isomer spectroscopy of neutron-rich $^{168}\text{Tb}103$ . Radiation Physics and Chemistry, 2017, 140, 493-496.	2.8	2
23	Half-life of the $15/2^+$ state of $^{135}\text{La}$ : A test of $E2$ seniority relations. Physical Review C, 2017, 95, .	2.9	10
24	$^{94}\text{Zr}$ -Decay Half-Lives of Neutron-Rich $^{94}\text{Zr}$ and $^{95}\text{Zr}$ Isomers. Physical Review Letters, 2017, 118, 122501.	10.1	68
25	New isomer in $^{96}\text{Y}$ marking the onset of deformation at $N = 57$ . Europhysics Letters, 2017, 117, 12001.	2.0	18
26	Isomer-delayed gamma-ray spectroscopy of neutron-rich $^{166}\text{Tb}$ . EPJ Web of Conferences, 2017, 146, 10009.	0.3	0
27	$^{138}\text{La}$ selection in the decay of the $^{138}\text{La}$		

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37	Long-lived K isomer and enhanced $\hat{I}^3$ vibration in the neutron-rich nucleus $^{172}\text{Dy}$ : Collectivity beyond double midshell. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 641-646.	4.1	24
38	Population and decay of a K isomer in $^{244}\text{Pu}$ . <i>Physical Review C</i> , 2016, 94, .	2.9	5
39	Fast-timing study of the $l$ -forbidden $1^+$ state in $^{244}\text{Pu}$ . <i>Physical Review C</i> , 2016, 93, .	2.9	8
40	Algebraic approach to the structure of the low-lying states in $^{100}\text{Ru}$ isotopes. <i>Physical Review C</i> , 2016, 93, .	2.9	3
41	Measurement of picosecond lifetimes in neutron-rich Xe isotopes. <i>Physical Review C</i> , 2016, 94, .	2.9	17
42	The UK NuSTAR Project. <i>Acta Physica Polonica B</i> , 2016, 47, 637.	0.8	4
43	Investigation of $\gamma$ -ray Emission in Heavy Ion Induced Fission During the Cyclotron Beam-on Periods. <i>Acta Physica Polonica B</i> , 2016, 47, 723.	0.8	0
44	Lifetime measurements of the first $2^+$ states in $^{104,106}\text{Zr}$ : Evolution of ground-state deformations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 750, 448-452.	0.4	1
45	Heavy rotation $\hat{a}^{\epsilon}$ evolution of quadrupole collectivity centred at the neutron-rich doubly mid-shell nucleus $^{170}\text{Dy}$ . <i>AIP Conference Proceedings</i> , 2015, , .	0.4	1
46	The $(n, \hat{I}^3)$ campaigns at EXILL. <i>EPJ Web of Conferences</i> , 2015, 93, 01014.	0.3	4
47	The Generalized Centroid Difference method for lifetime measurements via $\hat{I}^3$ - $\hat{I}^3$ coincidences using large fast-timing arrays. <i>EPJ Web of Conferences</i> , 2015, 93, 01013.	0.3	2
48	Optimization of the Time Response of $\text{LaBr}_3(\text{Ce})$ Detectors, and Its Dependence on Ce Concentration. , 2015, , .		1
49	Shape Evolution in Neutron-Rich Ru Nuclei. , 2015, , .		0
50	Nuclear Data Sheets for $A = 112$ . <i>Nuclear Data Sheets</i> , 2015, 124, 157-412.	2.2	49
51	Enhanced time response of 1-in. $\text{LaBr}_3(\text{Ce})$ crystals by leading edge and constant fraction techniques. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 795, 144-150.	1.6	25
52	Gamma-ray Spectroscopy in the Vicinity of $^{108}\text{Zr}$ . <i>Acta Physica Polonica B</i> , 2015, 46, 721.	0.8	8
53	Test of the $\text{SO}(6)$ selection rule in $^{196}\text{Pt}$ using cold-neutron capture. <i>Nuclear Physics A</i> , 2015, 934, 1-7.	1.5	11
54	$\hat{I}^2$ Decay Half-Lives of $^{110}\text{Zr}$ Nuclei on the $r$ -Process Path. , 2015, , .		1

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55	Half-Life Measurements of $(2_{-1}^{+})$ States in the Vicinity of $^{108}\text{Zr}$ and their Implications for Ground-State Deformations. , 2015, , .		0
56	Investigation of $0^+$ states in mercury isotopes after two-neutron transfer. EPJ Web of Conferences, 2014, 66, 02008.	0.3	3
57	First results of the $(n, \hat{1}^3)$ EXILL campaigns at the Institut Laue Langevin using EXOGAM and FATIMA. Journal of Physics: Conference Series, 2014, 533, 012026.	0.4	0
58	$\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{E} \langle \text{mml:mi} \rangle \text{in} \langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant}="normal"> \text{Kr} \langle \text{mml:mi} \rangle \langle \text{mml:mpresc} \rangle$ . Physical Review C, 2014, 90, .	2.9	20
59	Observation of the Ground State Bands in $^{109}\text{Pd}$ and $^{111}\text{Pd}$ . Journal of Physics: Conference Series, 2014, 533, 012035.	0.4	0
60	Coexisting structures in $^{105}\text{Ru}$ . Physical Review C, 2014, 89, .	2.9	5
61	Closure: Role of First-Forbidden Transitions in the $^{126}\text{Sn}$ . Physical Review C, 2014, 89, .	7.8	45
62	Germanium-gated $^{13}\text{Ge}$ fast timing of excited states in fission fragments using the EXILL&FATIMA spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 210-220.	1.6	58
63	$^{117}\text{Rh}$ and the role of triaxiality in its electromagnetic transitions. Physical Review C, 2013, 87, .	2.9	11
64	The generalized centroid difference method for picosecond sensitive determination of lifetimes of nuclear excited states using large fast-timing arrays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 726, 191-202.	1.6	81
65	Evolution of deformation and collectivity in neutron-rich tungsten isotopes. Physical Review C, 2013, 87, .	2.9	21
66	Investigation of $0^+$ states in $^{198}\text{Hg}$ after two-neutron pickup. Physical Review C, 2013, 87, .	2.9	16
67	The population of metastable states as a probe of relativistic-energy fragmentation reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 302-306.	4.1	15
68	Electromagnetic transition rates in the $^{80}\text{Ni}$ nucleus. Physical Review C, 2013, 87, .	2.9	25
69	High-resolution study of excited $0^+$ states in $^{200}\text{Hg}$ and $^{202}\text{Hg}$ . Physical Review C, 2013, 87, .	2.9	7
70	Delayed $^{13}\text{C}$ -ray spectroscopy of $^{122}\text{Au}$ . Physical Review C, 2013, 87, .	2.9	25
71	Core-coupled states and split proton-neutron quasiparticle multiplets in $^{126}\text{Au}$ . Physical Review C, 2013, 87, .	2.9	31
72	Precision Lifetime Measurements Using LaBr <sub>3</sub> Detectors With Stable and Radioactive Beams. EPJ Web of Conferences, 2013, 63, 01008.	0.3	11

#	ARTICLE	IF	CITATIONS
73	[sup 7]Li-induced reactions for fast-timing with LaBr[sub 3]:Ce detectors. , 2012, , . Publisher's Note: Multiple		2
74	decaying states in $^{194}\text{Re}$ : Shape evolution in neutron-rich osmium isotopes [Phys. Rev. C <b>85</b> , 034301 (2012)]. Physical Review C, 2012, 85, .	2.9	2
75	$^{109}\text{Pd}$ and $^{111}\text{Pd}$ : Enhanced softness. Physical Review C, 2012, 86, .	2.9	12
76	Multiple $\beta^+$ decaying states in $^{194}\text{Re}$ : Shape evolution in neutron-rich osmium isotopes. Physical Review C, 2012, 85, .	2.9	21
77	and $^{117}\text{Ru}$ : Single-particle isomeric states in $^{121}\text{Pd}$ and $^{117}\text{Ru}$ . Journal of Physics: Conference Series, 2012, 366, 012029.	2.9	9
78	Fast-timing measurements in $^{95, 96}\text{Mo}$ . Journal of Physics: Conference Series, 2012, 366, 012027.	0.4	2
79	Electromagnetic Transition Rate Measurements in the $N=80$ Isotone, $^{138}\text{Ce}$ . Journal of Physics: Conference Series, 2012, 381, 012057.	0.4	0
80	Single-particle isomeric states in $^{121}\text{Pd}$ and $^{117}\text{Ru}$ . Journal of Physics: Conference Series, 2012, 366, 012029.	0.4	4
81	coincidence and fast-timing measurements using LaBr3(Ce) detectors and gammasphere. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 231-233.	1.6	21
82	Nuclear Data Sheets for $A = 207$ . Nuclear Data Sheets, 2011, 112, 707-853.	2.2	79
83	Isomeric states observed in heavy neutron-rich nuclei populated in the fragmentation of a $^{208}\text{Pb}$ beam. Physical Review C, 2011, 84, .	2.9	108
84	In-beam fast-timing measurements in $^{103}\text{Cd}$ and $^{105}\text{Cd}$ . Physical Review C, 2011, 84, .	2.9	20
85	seniority isomer spectroscopy of $^{103}\text{Cd}$ and $^{105}\text{Cd}$ . Physical Review C, 2011, 84, .	2.9	33
86	In-beam measurements of sub-nanosecond nuclear lifetimes with a mixed array of HPGe and LaBr3:Ce detectors. European Physical Journal A, 2010, 46, 329-336.	2.5	82
87	Isomer spectroscopy of $^{127}\text{Cd}$ . Physical Review C, 2010, 82, .	2.9	20
88	Shape coexistence and isomeric states in neutron-rich $^{112}\text{Tc}$ and $^{113}\text{Tc}$ . Physical Review C, 2010, 82, .	2.9	18
89	Configuration dependence of $K$ -forbidden transition rates from three-quasiparticle isomers. Physical Review C, 2010, 81, .	2.9	12
90	New Insights into the Structure of Exotic Nuclei Using the RISING Active Stopper. , 2009, , .		1

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91	Structure of $^{208}\text{Pb}$ isomeric states in neutron-deficient $^{207}\text{Hg}$ populated in the fragmentation of $^{208}\text{Ag}$ . Physical Review C, 2009, 80, .	2.9	31
92	Structure of $^{107}\text{Ag}$ isomeric states in neutron-deficient $^{107}\text{Zr}$ populated in the fragmentation of $^{107}\text{Os}$ . Physical Review C, 2009, 80, .	2.9	29
93	Structure of $^{198}\text{Os}$ isomeric states in neutron-deficient $^{198}\text{Zr}$ populated in the fragmentation of $^{198}\text{Os}$ . Physical Review C, 2009, 80, .	2.9	37
94	Measurements of high-energy $\gamma$ -rays with detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 76-79.	2.9	69
95	High-spin level scheme of $^{194}\text{Pb}$ . Physical Review C, 2009, 79, .	2.9	6
96	IBM-1 calculations towards the neutron-rich nucleus $^{106}\text{Zr}$ . Physical Review C, 2009, 79, .	2.9	11
97	ISOMERIC DECAY STUDIES IN NEUTRON-RICH $^{126}\text{N}$ NUCLEI. International Journal of Modern Physics E, 2009, 18, 1002-1007.	1.0	24
98	Measurements of high-energy $\gamma$ -rays with detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 76-79.	1.6	60
99	Proton-hole excitation in the closed shell nucleus $^{205}\text{Au}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 116-119.	4.1	37
100	Evolution of the shell gap below $^{132}\text{Sn}$ inferred from core excited states in $^{131}\text{In}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 313-316.	4.1	48
101	Structure of neutron-rich nuclei around the $N = 126$ closed shell; the yrast structure of $^{205}\text{Au}$ up to spin-parity $J^\pi = (19/2^+)$ . European Physical Journal A, 2009, 42, 489.	2.5	14
102	Spherical proton-neutron structure of isomeric states in $^{128}\text{Cd}$ . Physical Review C, 2009, 79, .	2.9	39
103	Structure of $^{126}\text{N}$ nuclei produced in fragmentation of $^{238}\text{U}$ . , 2009, , .		1
104	Neutron-proton pairing competition in $^{82}\text{Z}$ nuclei: Metastable state decays in the proton dripline nuclei $^{8241}\text{Nb}$ and $^{8643}\text{Tc}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 326-330.	4.1	23
105	FIRST RESULTS WITH THE RISING ACTIVE STOPPER. International Journal of Modern Physics E, 2008, 17, 8-20.	1.0	23
106	Single-particle behavior at $^{126}\text{Pt}$ isomeric decays in neutron-rich $^{204}\text{Pt}$ . Physical Review C, 2008, 78, .	2.9	73
107	First Results from the Stopped RISING Campaign at GSI: The Mapping of Isomeric Decays in Highly Exotic Nuclei. AIP Conference Proceedings, 2007, , .	0.4	4
108	Observation of Isomeric Decays in the $^{130}\text{Cd}$ -Process Waiting-Point Nucleus $^{82}\text{Cd}$ . Physical Review Letters, 2007, 99, 132501.	7.8	135

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109	Octupole collectivity in Mo98,100,102. Physical Review C, 2007, 75, .	2.9	22
110	Coherent quadrupole-octupole modes and split parity-doublet spectra in odd- $A$ nuclei. Physical Review C, 2007, 76, .	2.9	24
111	Nuclear Data Sheets for $A = 200$ . Nuclear Data Sheets, 2007, 108, 1471-1582.	2.2	53
112	Isomeric decay studies around 204Pt and 148Tb. European Physical Journal: Special Topics, 2007, 150, 165-168.	2.6	11
113	Exciting isomers from the first stopped-beam RISING campaign. European Physical Journal: Special Topics, 2007, 150, 173-176.	2.6	6
114	Recent results in fragmentation isomer spectroscopy with rising. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 1079-1083.	1.4	84
115	High-spin structures of 51 121, 123, 125, 127Sb nuclei: Single proton and core-coupled states. European Physical Journal A, 2005, 24, 39-49.	2.5	36
116	Lifetime measurements in the Yrast magnetic band in 193Pb. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1559-S1562.	3.6	3
117	High-spin states in Zr92-96 nuclei. Physical Review C, 2005, 72, .	2.9	46
118	Quasi- $\beta^3$ band and odd-even staggering effect in Ru102. Physical Review C, 2005, 71, .	2.9	15
119	Evolution of collectivity in a ground- $\beta^3$ -band mixing scheme for even-even transitional nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 427-444.	3.6	11
120	Evolution of the $\pi g_{9/2} \otimes u h_{11/2}$ configuration in the neutron-rich $^{110,112}_{\text{quad}; 45}\text{Rh}$ and $^{114,116}_{\text{quad}; 47}\text{Ag}$ isotopes. European Physical Journal A, 2003, 18, 25-30.	2.5	15
121	Two-quasiparticle and collective excitations in transitional 108,110 Pd nuclei. European Physical Journal A, 2003, 18, 589-596.	2.5	28
122	High-spin study of odd- $A$ 49In isotopes beyond the neutron mid-shell. European Physical Journal A, 2002, 15, 315-323.	2.5	38
123	High-spin structure of the neutron-rich 109, 111, 113 $^{109,111,113}\text{Rh}$ isotopes. European Physical Journal A, 2002, 15, 429-433.	2.5	34