

Radomira Lozeva

List of Publications by Year in descending order

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122
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124
all docs

124
docs citations

124
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	New study of the neutron rich ^{136}Te isotope through decay spectroscopy. EPJ Web of Conferences, 2022, 260, 11018.	0.3	0
2	First observation of the ^{140}Te partner orbital configuration in the odd-odd ^{140}Te nucleus. Physical Review C, 2022, 105, .	2.9	2
3	The DESPEC setup for GSI and FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1033, 166662.	1.6	14
4	Various nuclear structures in ^{140}Te studied by ^{140}Te decay of ground and isomeric states in ^{140}Te nucleus. Physical Review C, 2022, 105, .	2.9	1
5	Decay spectroscopy of the ^{137}Te nucleus. Physical Review C, 2022, 106, .	2.9	1
6	Characteristics of the DEGAS-FATIMA Hybrid setup for the DESPEC program at NUSTAR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 987, 164806.	1.6	4
7	Observation of new neutron-rich isotopes in the vicinity of ^{110}Zr . Physical Review C, 2021, 103, .	2.9	7
8	Angular momentum generation in nuclear fission. Nature, 2021, 590, 566-570.	27.8	57
9	Spectroscopy and lifetime measurements in ^{134}Te isotopes and implications for the nuclear structure beyond ^{138}Te .	2.9	8
10	Nuclear structure of Te isotopes beyond neutron magic number $N=82$. Physical Review C, 2021, 103, .	2.9	7
11	First lifetime investigations of ^{132}Te iodine isotopes: The quest for collectivity. Physical Review C, 2021, 104, .	2.9	2
12	Boulay et al. Reply.. Physical Review Letters, 2021, 127, 169202.	7.8	1
13	Mirror energy differences above the $0f_{7/2}$ shell: First β^- -ray spectroscopy of the ^{56}Zn . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136784.	4.1	9
14	Beyond ^{132}Sn : Examples of new data on exotic neutron-rich Te isotopes from fission and β^- -decay. EPJ Web of Conferences, 2020, 232, 04008.	0.3	0
15	Factor of the ^{138}Te nucleus.		

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19	<p>\hat{I}^2 -decay half-lives of 55 neutron-rich isotopes beyond the shell gap. <i>Physical Review C</i>, 2020, 101.</p> <p>Shape evolution of neutron-rich $N=82$ isotopes in the triaxial degree of freedom. <i>Physical Review C</i>, 2020, 101.</p>	2.9	23
20	<p>Properties of Mo isotopes in the triaxial degree of freedom. <i>Physical Review C</i>, 2020, 101.</p>	2.9	16
21	<p>neutron-rich Kr spectroscopy of ^{94}Kr and observation of a new isomer. <i>Physical Review C</i>, 2020, 102.</p>	2.9	5
22	<p>(γ)-ray Spectroscopy of ^{85}Se Produced in ^{232}Th Fission. <i>Acta Physica Polonica B</i>, 2020, 51, 843.</p>	0.8	0
23	<p>Lifetime measurement around ^{132}Sn with the $\hat{I}^{1/2}$-Ball array. <i>Journal of Physics: Conference Series</i>, 2020, 1643, 012135.</p>	0.4	1
24	<p>Properties of ^{100}Sn -decaying isomers in the ^{100}Sn region populated in ^{136}Xe fission. <i>Physical Review C</i>, 2019, 100, 014307.</p>	2.9	9
25	<p>Excitation of the $N=50$ neutron-core revealed in ^{81}Ga. <i>Physical Review C</i>, 2019, 100, 014307.</p>	2.9	8
26	<p>Evidence of octupole-phonons at high spin in ^{207}Pb. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2019, 797, 134797.</p>	4.1	6
27	<p>gSPEC. <i>Hyperfine Interactions</i>, 2019, 240, 1.</p>	0.5	1
28	<p>^{78}Ni revealed as a doubly magic stronghold against nuclear deformation. <i>Nature</i>, 2019, 569, 53-58.</p>	27.8	120
29	<p>Prominence of Pairing in Inclusive ^{2}p Tj</p>		

#	ARTICLE	IF	CITATIONS
37	Measurement of the γ Factor in the Chiral Band: The Case of the ^{136}Ba \rightarrow ^{136}La Transition probabilities in neutron-rich ^{136}Se	2.9	19
38	Transition probabilities in neutron-rich ^{136}Se and the role of the ^{136}Ba \rightarrow ^{136}La transition	2.9	5
39	New nuclear structure data after fission: The g.s. of ^{136}Sb . EPJ Web of Conferences, 2018, 193, 05005.	0.3	0
40	Gamow-Teller transitions between proton $h_{11/2}$ and neutron $h_{9/2}$ partner orbitals in ^{140}I . AIP Conference Proceedings, 2018, . .	0.4	1
41	New nuclear structure data beyond ^{136}Sn . EPJ Web of Conferences, 2018, 178, 02020.	0.3	0
42	New yrast and non-yrast states in ^{136}I and medium-spin structure of ^{136}I	2.9	9
43	Strong coupling in the ^{136}I island of inversion. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 392-396.	4.1	6
44	Studies of fission fragment yields via high-resolution ^{136}I -ray spectroscopy. EPJ Web of Conferences, 2018, 169, 00030.	0.3	1
45	Coulomb Excitation of ^{142}Xe . Acta Physica Polonica B, 2018, 49, 529.	0.8	0
46	Toward lifetime and γ factor measurements of short-lived states in the vicinity of ^{208}Pb . Physica Scripta, 2017, 92, 054004.	2.5	1
47	Medium-energy single particle energies above ^{208}Pb : A hint from lifetime measurements in the ^{208}Pb isotones	2.9	4
48	Shell evolution beyond $Z = 28$ and $N = 50$: Spectroscopy of $^{81,82,83,84}\text{Zn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 492-497.	4.1	29
49	Scheme of ^{140}Te to ^{140}K	2.9	18
50	Selection in the decay of the ^{140}K		

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55	EXILL—a high-efficiency, high-resolution setup for \hat{I}^3 -spectroscopy at an intense cold neutron beam facility. Journal of Instrumentation, 2017, 12, P11003-P11003.	1.2	39
56	Production and Study of Neutron-rich Nuclei Using the LICORNE Directional Neutron Source. Acta Physica Polonica B, 2017, 48, 395.	0.8	1
57	LIFETIME MEASUREMENTS BEYOND ^{132}Sn , , .		0
58	Are the nuclei beyond ^{132}Sn very exotic?. Journal of Physics: Conference Series, 2016, 724, 012030.	0.4	0
59	Collectivity of neutron-rich Cr and Fe toward $N=50$. EPJ Web of Conferences, 2016, 107, 03007.	0.3	1
60	The mutable nature of particle-core excitations with spin in the one-valence-proton nucleus ^{133}Sb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 273-278.	4.1	27
61	New isomer found in ^{89}Sb : Sphericity and shell evolution between $N=82$ and $N=90$. Physical Review C, 2016, 93, .	2.9	23
62	Magnetic moment of the isomeric state in ^{69}Cu : Spin alignment in the one-nucleon removal reaction. Physical Review C, 2016, 93, .	2.9	0
63	Measurement of picosecond lifetimes in neutron-rich Xe isotopes. Physical Review C, 2016, 94, .	2.9	17
64	Inelastic scattering of $^{72,74}\text{Ni}$ off a proton target. Journal of Physics: Conference Series, 2016, 724, 012008.	0.4	0
65	Lifetime measurements of the first 2^+ states in $^{104,106}\text{Zr}$: Evolution of ground-state deformations. Physics Letters, Section B: Nuclear, Physics, 2015, 750, 448-452.	2.9	12
66	New decay scheme of the ^{85}Sb \hat{A} state. Physical Review C, 2015, 92, .	2.9	26
67	Transition probabilities in neutron-rich ^{84}Se near the neutron drip line. Physical Review C, 2015, 92, .	2.9	25
68	of Inversion towards $N=50$: Publisher's Note: New decay scheme of the ^{85}Sb \hat{A} state. Physical Review C, 2015, 92, .	7.8	77
69	Transition probabilities in neutron-rich ^{84}Se near the neutron drip line. Physical Review C, 2015, 92, .	2.9	0
70	The (n, \hat{I}^3) campaigns at EXILL. EPJ Web of Conferences, 2015, 93, 01014.	0.3	4
71	New Isomers in Neutron-Rich Cs Isotopes. , 2015, , .		0

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73	Shape Evolution in Neutron-Rich Ru Nuclei. , 2015, , .		0
74	Particle-core Couplings Close to Neutron-rich Doubly-magic Nuclei. Acta Physica Polonica B, 2015, 46, 637.	0.8	4
75	Gamma-ray Spectroscopy in the Vicinity of ^{108}Zr . Acta Physica Polonica B, 2015, 46, 721.	0.8	8
76	\hat{I}^2 Decay Half-Lives of $\langle i \rangle A \langle i \rangle \hat{\alpha}^{1/4}$ 110 Nuclei on the $\langle i \rangle r \langle i \rangle$ -Process Path. , 2015, , .		1
77	Half-Life Measurements of (2_{-1}^{+}) States in the Vicinity of ^{108}Zr and their Implications for Ground-State Deformations. , 2015, , .		0
78	First prompt in-beam \hat{I}^3 -ray spectroscopy of a superheavy element: the ^{256}Rf . Journal of Physics: Conference Series, 2013, 420, 012010.	0.4	0
79	\hat{I}^3 -ray spectroscopy of fission fragments from the cold-neutron ^{235}U induced fission with EXILL. EPJ Web of Conferences, 2013, 62, 01006.	0.3	0
80	Shell-Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the $Z=104$ Nucleus	7.8	59
81	First direct lifetime measurement of the 2_{-1}^{+} state in ^{74}Zn by recoil-distance Doppler-shift method. , 2012, , .	2.9	18
82	New evidence for a shape transition between ^{72}Zn and ^{74}Zn	2.9	17
83	Lifetime measurement of 2_{-1}^{+} state in ^{74}Zn by recoil-distance Doppler-shift method. , 2012, , .		0
84	Pushing the limits of spectroscopy with $S=3$. , 2011, , .		1
85	Quadrupole moment of the 3_{-1}^{+} isomer in ^{70}Cu	4.1	5
86	Coulomb excitation of the 3_{-1}^{+} isomer in ^{70}Cu	2.9	11
87	Proton fast timing measurements in ^{103}Cd and ^{105}Cd	2.9	20
88	Title is missing!. Acta Physica Polonica B, 2011, 42, 597.	0.8	4
89	Title is missing!. Acta Physica Polonica B, 2011, 42, 537.	0.8	2
90	$\langle i \rangle g \langle i \rangle$ -factor measurements at RISING: The cases of ^{127}Sn and ^{128}Sn . Europhysics Letters, 2010, 91, 42001.	2.0	13

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91	Spin-alignment and g-factor measurement of the $I^{\pi} = 12^+$ isomer in ^{192}Pb produced in the relativistic-energy fragmentation of a ^{238}U beam. European Physical Journal A, 2010, 45, 153-158.	2.5	10
92	In-beam measurements of sub-nanosecond nuclear lifetimes with a mixed array of HPGe and LaBr ₃ :Ce detectors. European Physical Journal A, 2010, 46, 329-336.	2.5	82
93	g Factor of the 7^+ isomer in ^{126}Sn and first observation of spin-alignment in relativistic fission. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 305-309.	4.1	11
94	Lifetime effects for high-resolution gamma-ray spectroscopy at relativistic energies and their implications for the RISING spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 218-225.	1.6	24
95	Optimal Si detection for the focal plane detection system of S3 @ SPIRAL2. , 2010, , .		0
96	factor of the ^{44}Cl ground state: Probing the reduced $Z=16$ and $N=28$ gaps [Phys. Rev. C81, 034308 (2010)]. Physical Review C, 2010, 81, .	2.9	16
97	gfactor of the ^{44}Cl ground state: Probing the reduced $Z=16$ and $N=28$ gaps [Phys. Rev. C81, 034308 (2010)]. Physical Review C, 2010, 81, .	2.9	0
98	Single and Multi-Nucleon Transfer Reactions for Nuclear Moment Studies Toward Radioactive-Ion Beams. AIP Conference Proceedings, 2010, , .	0.4	0
99	Yrast Isomers In The Vicinity Of ^{132}Sn . , 2009, , .		0
100	Shell Erosion and Shape Coexistence in ^{16}S and ^{43}Ni . Physical Review Letters, 2009, 102, 082701.	7.8	70
101	gactors of ^{17}N and ^{17}O and ^{17}O and ^{17}O .	2.9	8
102	A new dedicated setup for LISE-GANIL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 612, 112-121.	1.6	6
103	Measurements of high-energy γ -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
104	Search for the Pygmy Dipole Resonance in ^{68}Ni at ^{600}MeV .	7.8	229
105	Probing High-Velocity Transient-Field Strength Using Heavy-ions Traversing Fe and Gd. , 2009, , .		0
106	Magnetic moment of ^{43}mS . , 2008, , .		0
107	^{125}Sn and ^{127}Sn isomers in ^{129}Sn and isomer systematics of ^{129}Sn . Physical Review C, 2008, 77, .	2.9	56
108	RISING: Gamma-ray Spectroscopy with Radioactive Beams at GSI. AIP Conference Proceedings, 2007, , .	0.4	0

#	ARTICLE	IF	CITATIONS
109	Relativistic Coulomb excitation of neutron-rich $^{54,56,58}\text{Cr}$: On the pathway of magicity from $\langle \text{mml:math altimg= "si1.gif" overflow= "scroll" xmlns:xocs= "http://www.elsevier.com/xml/xocs/dtd" xmlns:xsi= "http://www.w3.org/2001/XMLSchema-instance" xmlns= "http://www.elsevier.com/xml/ja/dtd" xmlns:ja= "http://www.elsevier.com/xml/ja/dtd" xmlns:mml= "http://www.w3.org/1998/Math/MathML" xmlns:tb= "http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct= "http://www.elsevier.com/xml/common/struct-bib/dtd" \rangle$ Relativistic Coulomb excitation of neutron-rich $^{54,56,58}\text{Cr}$: On the pathway of magicity from	4.1	34
110	A RISING g-factor measurement of the $19/2^+$ isomer in ^{127}Sn . Progress in Particle and Nuclear Physics, 2007, 59, 355-357.	14.4	5
111	A novel Calorimeter Telescope for identification of relativistic heavy-ion reaction channels. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 562, 298-305.	1.6	22
112	High angular momentum states populated in fragmentation reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 203-206.	4.1	25
113	Neutron-deficient $N \approx 126$ nuclei produced in ^{238}U fragmentation: population of high-spin states. AIP Conference Proceedings, 2006, . .	0.4	4
114	RARE ISOTOPES INVESTIGATIONS AT GSI (RISING) USING RELATIVISTIC ION BEAMS. , 2006, . .		0
115	Relativistic Coulomb excitation of neutron-rich $^{54,56,58}\text{Cr}$: On the pathway of magicity from $\langle \text{mml:math altimg= "si1.gif" overflow= "scroll" xmlns:xocs= "http://www.elsevier.com/xml/xocs/dtd" xmlns:xsi= "http://www.w3.org/2001/XMLSchema-instance" xmlns= "http://www.elsevier.com/xml/ja/dtd" xmlns:ja= "http://www.elsevier.com/xml/ja/dtd" xmlns:mml= "http://www.w3.org/1998/Math/MathML" xmlns:tb= "http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct= "http://www.elsevier.com/x" \rangle$ Relativistic Coulomb excitation of neutron-rich $^{54,56,58}\text{Cr}$: On the pathway of magicity from	4.1	90
116	Status of the RISING project at GSI. European Physical Journal A, 2005, 25, 719-722.	2.5	1
117	Rare ISotopes INvestigation at GSI (RISING) using gamma-ray spectroscopy at relativistic energies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 537, 637-657.	1.6	125
118	Identification of heavy ion reaction channels with a new CALorimeter TELEscope within RISING. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1917-S1920.	3.6	3
119	Spectroscopy of nuclei approaching the proton drip-line using a secondary-fragmentation technique with the RISING detector array. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1527-S1530.	3.6	2
120	^{108}Sn studied with intermediate-energy Coulomb excitation. Physical Review C, 2005, 72, .	2.9	125
121	Status of the RISING project at GSI. , 2005, , 719-722.		0
122	Investigation of scintillation detectors for relativistic heavy ion calorimetry. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 678-681.	1.4	10