

Georgi Georgiev

List of Publications by Year in descending order

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152
papers

3,559
citations

136950

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54
g-index

157
all docs

157
docs citations

157
times ranked

1725
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear moments of indium isotopes reveal abrupt change at magic number 82. Nature, 2022, 607, 260-265. Magnetic moment of the ^{111}In isomeric state in ^{111}In	27.8	22
2	^{99}Tc and neutron spin g factor. Physical Review Letters, 2021, 127, 160201.	2.9	1
3	^{102}Cd and ^{108}Cd isotopes. Physical Review C, 2021, 104, .	2.9	12
4	Boulay et al. Reply. Physical Review Letters, 2021, 127, 169202. Doubly-magic character of ^{132}Sn	7.8	1
5	^{133}Sn studied via electromagnetic moments of ^{133}Sn . Physical Review C, 2020, 102, .	2.9	8
6	Instrumentation for high-resolution laser spectroscopy at the ALTO radioactive-beam facility. Journal of Instrumentation, 2020, 15, P06004-P06004.	1.2	6
7	Pairing-quadrupole interplay in the neutron-deficient tin nuclei: First lifetime measurements of low-lying states in $^{106,108}\text{Sn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135474.	4.1	16
8	Structural trends in atomic nuclei from laser spectroscopy of tin. Communications Physics, 2020, 3, .	5.3	24
9	Factor of the Zr		

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19	Laser Spectroscopy of Neutron-Rich Tin Isotopes: A Discontinuity in Charge Radii across the $N=82$ Shell Closure. Physical Review Letters, 2019, 122, 192502.	7.8	81
20	Lifetime Measurements Using RDDS Method in the Vicinity of ^{78}Ni . Acta Physica Polonica B, 2019, 50, 633.	0.8	4
21	Measurement of the g Factor in the Chiral Band: The Case of the ^{137}Ba Isotope. Physical Review Letters, 2019, 122, 192502.	7.8	19
22	Pseudospin Symmetry and Microscopic Origin of Shape Coexistence in the ^{132}Ni Isotope. Physical Review Letters, 2018, 121, 192502.	7.8	20
23	Prompt fission gamma-ray emission spectral data for $^{239}\text{Pu}(n,f)$ using fast directional neutrons from the LICORNE neutron source. EPJ Web of Conferences, 2018, 169, 00018.	0.3	5
24	From Calcium to Cadmium: Testing the Pairing Functional through Charge Radii Measurements of ^{100}Cd and ^{130}Cd . Physical Review Letters, 2018, 121, 192502.	7.8	57
25	Charge Radii Measurements of ^{100}Cd and ^{130}Cd using Laser Spectroscopy. Physical Review Letters, 2018, 121, 192502.	7.8	57

#	ARTICLE	IF	CITATIONS
37	Nearly degenerate isomeric states of ^{75}Cu . Physical Review C, 2016, 94, .	2.9	10
38	Magnetic moment of the ^{69}Cu isomeric state in ^{69}Cu . Spin alignment in the one-neutron removal reaction. Physical Review C, 2016, 93, .	2.9	0
39	Evidence for Shape Coexistence in Neutron-Rich Strontium Isotopes at ^{98}Sr . Physical Review Letters, 2016, 116, 032501.	7.8	7
40	Simple Nuclear Structure in ^{111}Cd and ^{129}Cd . Atomic Isomer Shifts. Physical Review Letters, 2016, 116, 032501.	7.8	32
41	Study of Octupole Collectivity in ^{146}Nd and ^{148}Sm Using the New Coulomb Excitation Set-up at ALTO. Acta Physica Polonica B, 2016, 47, 923.	0.8	1
42	Experimental study of the $^{66}\text{Ni}(d,p)^{67}\text{Ni}$ one-neutron transfer reaction. Physical Review C, 2015, 91, .	2.9	9
43	The Cornerstone of the Region of Deformation around ^{37}A . Physical Review Letters, 2015, 115, 172501.	7.8	18
44	Nuclear g-factor measurement with time-dependent recoil in vacuum in radioactive-beam geometry. Journal of Physics: Conference Series, 2015, 590, 012041.	0.4	2
45	Cluster-transfer reactions with radioactive beams: A spectroscopic tool for neutron-rich nuclei. Physical Review C, 2015, 92, .	2.9	19
46	Probing collectivity in Zn isotopes with one particle or hole outside the $N=40$ subshell closure. Physical Review C, 2015, 91, .	2.9	4
47	Magnetism of an Excited Self-Conjugate Nucleus: Precise Measurement of the g Factor of the $^{21+}$ State in ^{24}Mg . Physical Review Letters, 2015, 114, 062501.	7.8	12
48	Onset of collectivity in $^{96,98}\text{Sr}$ studied via Coulomb excitation. EPJ Web of Conferences, 2014, 66, 02021.	0.3	1
49	Study of the deformation-driving $1/2d_{5/2}$ orbital in $^{67,68}\text{Ni}$ using one-neutron transfer reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 533-538.	4.1	16
50	γ Spectroscopy of Neutron-rich Nuclei with ~ 100 Produced by Cluster Transfer Reactions at REX-ISOLDE. Acta Physica Polonica B, 2014, 45, 343.	0.8	4
51	Coulomb excitation of neutron-rich Cd isotopes. Physical Review C, 2014, 89, .	2.9	26
52	Coulomb excitation of ^{29}Na and ^{30}Na . Mapping the borders of the island of inversion. Physical Review C, 2014, 89, .	2.9	16
53	Tilted foils polarization at REX-ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 685-688.	1.4	5
54	Spin-aligned RI beams via two-step fragmentation reactions. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 769-773.	1.4	2

#	ARTICLE	IF	CITATIONS
55	Shape dynamics in neutron-rich Kr isotopes: Coulomb excitation of ^{92}Kr , ^{94}Kr and ^{96}Kr . Nuclear Physics A, 2013, 899, 1-28.	1.5	40
56	Spins, Electromagnetic Moments, and Isomers of ^{107}Cd . Physical Review Letters, 2013, 110, 192501.	7.8	99
57	The Miniball spectrometer. European Physical Journal A, 2013, 49, 1.	2.5	126
58	Novel method for the production of spin-aligned RI beams in projectile fragmentation reaction with the dispersion matching technique. Hyperfine Interactions, 2013, 220, 47-51.	0.5	1
59	Gamma Spectroscopy of Low-energy Isomeric States in Neutron-rich Nuclei: ^{67}Cu . Acta Physica Polonica B, 2013, 44, 637.	0.8	4
60	Lifetime Measurements of Zn Isotopes Around ^{10}N . Acta Physica Polonica B, 2013, 44, 375.	0.8	6
61	Onset of collectivity in neutron-rich Sr and Kr isotopes: Prompt spectroscopy after Coulomb excitation at REX-ISOLDE, CERN. EPJ Web of Conferences, 2013, 62, 01003.	0.3	4
62	Production of spin-controlled rare isotope beams. Nature Physics, 2012, 8, 918-922.	16.7	34
63	Production of spin-aligned RI beam via two-step fragmentation with dispersion matching. Journal of Physics: Conference Series, 2012, 381, 012090.	0.4	0
64	First direct lifetime measurement of the 2^+ state in neutron-rich ^{72}Zn , and the high-velocity transient field technique for radioactive heavy-ion beams. Physical Review C, 2012, 85, 074307.	2.9	18
65	State of ^{43}S . Physical Review Letters, 2012, 109, 082501.	7.8	26
66	First direct lifetime measurement of the 2^+ state in ^{72}Zn . Physical Review Letters, 2012, 109, 082501.	2.9	17
67	New evidence for a shape transition between ^{74}Kr and ^{74}Zn : Evidence for a Smooth Onset of Deformation in the Neutron-Rich Kr Isotopes. Physical Review Letters, 2012, 108, 062701.	7.8	69
68	Implementation and evaluation of tilted foils polarization at REX-ISOLDE. Physica Scripta, 2012, T150, 014040.	2.5	1
69	The Orsay Universal Plunger System. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 679, 61-66.	1.6	19
70	Novel method for the production of spin-aligned RI beams in projectile fragmentation reaction with the dispersion matching technique. , 2012, , 47-51.		0
71	Production of spin-aligned RI beams via the two-step fragmentation reaction. , 2012, , .		0
72	EXPERIMENTAL MEASUREMENT OF THE DEFORMATION THROUGH THE ELECTROMAGNETIC PROBE: SHAPE COEXISTENCE IN EXOTIC KR AND SR ISOTOPES. International Journal of Modern Physics E, 2011, 20, 415-421.	1.0	4

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73	<p>Spin, quadrupole moment, and deformation of the magnetic-rotational band head in ^{193}Pb. Physical Review C, 2011, 83, .</p>	4.1	5
74	<p>Spin, quadrupole moment, and deformation of the magnetic-rotational band head in ^{193}Pb. Physical Review C, 2011, 83, .</p>	2.9	8
75	<p>Spin, quadrupole moment, and deformation of the magnetic-rotational band head in ^{193}Pb. Physical Review C, 2011, 83, .</p>	2.9	11
76	<p>In-beam fast-timing measurements of ^{103}Cd and ^{105}Cd isomers. Physical Review Letters, 2011, 106, 022501.</p>	2.9	20
77	<p>In-beam fast-timing measurements of ^{103}Cd and ^{105}Cd isomers. Physical Review Letters, 2011, 106, 022501.</p>	2.9	59
78	<p>Title is missing!. Acta Physica Polonica B, 2011, 42, 537.</p>	0.8	2
79	<p>g-factor measurements at RISING: The cases of ^{127}Sn and ^{128}Sn. Europhysics Letters, 2010, 91, 42001.</p>	2.0	13
80	<p>Spin-alignment and g-factor measurement of the $\pi = 12+$ isomer in ^{192}Pb produced in the relativistic-energy fragmentation of a ^{238}U beam. European Physical Journal A, 2010, 45, 153-158.</p>	2.5	10
81	<p>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.</p>	2.5	82
82	<p>Production of neutron-rich fragments with neutron number $N > N_{\text{projectile}}$ in the reaction $^{48}\text{Ca} (60 \text{ Tj}) + ^{208}\text{Pb} \rightarrow ^{10}\text{Tf} + \dots$</p>	3.6	3
83	<p>Coulomb excitation of ^{73}Ga. Physical Review Letters, 2010, 105, 252501.</p>	2.9	17
84	<p>Discovery of the Shape Coexisting ^{20}Mg State in ^{32}Mg by a Two Neutron Transfer Reaction. Physical Review Letters, 2010, 105, 252501.</p>	7.8	138
85	<p>Single and Multi-Nucleon Transfer Reactions for Nuclear Moment Studies Toward Radioactive-Ion Beams. AIP Conference Proceedings, 2010, , .</p>	0.4	0
86	<p>Transfer Reactions on Neutron-rich Nuclei at REX-ISOLDE. , 2009, , .</p>		4
87	<p>Shell Erosion and Shape Coexistence in ^{27}S. Physical Review Letters, 2009, 102, 092501.</p>	7.8	70
88	<p>Low-energy Coulomb excitation of neutron-rich zinc isotopes. Physical Review C, 2009, 79, .</p>	2.9	58
89	<p>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.</p>	1.6	60
90	<p>POLAREX. European Physical Journal A, 2009, 42, 307.</p>	2.5	2

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91	A new device for combined Coulomb excitation and isomeric conversion electron spectroscopy with fast fragmentation beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 292-299.	1.6	5
92	Direct mass measurements of ^{125}Sn and isomer systematics of ^{125}Sn . Physical Review C, 2006, 77, .	2.9	56
93	Direct mass measurements of ^{68}Cu and ^{68}Cu at ^{68}Zn . Physical Review Letters, 2008, 100, 112502.	7.8	80
94	Measurement of the Sign of the Spectroscopic Quadrupole Moment for the 21^+ State in ^{70}Se : No Evidence for Oblate Shape. Physical Review Letters, 2007, 98, 072501.	7.8	52
95	Coulomb Excitation of ^{68}Cu : First Use of Postaccelerated Isomeric Beams. Physical Review Letters, 2007, 98, 122701.	7.8	70
96	Precision measurement of the decay rate of ^{7}Be in host materials. Physical Review C, 2007, 75, .	2.9	34
97	Coulomb Excitation of Neutron-Rich Zn Isotopes: First Observation of the 21^+ State in ^{80}Zn . Physical Review Letters, 2007, 99, 142501.	7.8	66
98	The decay of proton-rich nuclei in the mass region. Nuclear Physics A, 2007, 792, 18-86.	1.5	152
99	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
100	Coulomb excitation of neutron-rich $^{138,140,142}\text{Xe}$ at REX-ISOLDE. European Physical Journal: Special Topics, 2007, 150, 127-129.	2.6	16
101	Mass Measurements with the CSS2 and CIME cyclotrons at GANIL. AIP Conference Proceedings, 2006, , .	0.4	0
102	g factors of $^{31,32,33}\text{Al}$: Indication for intruder configurations in the ^{33}Al ground state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 643, 257-262.	4.1	42
103	g-factor of the $9/2^+$ isomeric state in ^{65}Ni from transfer reaction. European Physical Journal A, 2006, 30, 351-356.	2.5	9
104	Coulomb excitation of neutron-rich Cd isotopes at REX-ISOLDE. AIP Conference Proceedings, 2006, , .	0.4	4

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109	Spin polarization of Al ³⁴ fragments produced by nucleon pickup at intermediate energies. Physical Review C, 2006, 73, .	2.9	19
110	Quadrupole moment of the 8 ⁺ yrast state in Kr ⁸⁴ . Physical Review C, 2006, 74, .	2.9	5
111	High-spin 1/2 ⁺ isomer in Zr ⁹⁸ . Physical Review C, 2006, 74, .	2.9	25
112	FIRST USE OF POST-ACCELERATED ISOMERIC BEAMS FOR COULOMB EXCITATION STUDIES OF ODD-ODD NUCLEI AROUND N=40. International Journal of Modern Physics E, 2006, 15, 1505-1512.	1.0	10
113	RARE ISOTOPES INVESTIGATIONS AT GSI (RISING) USING RELATIVISTIC ION BEAMS. , 2006, , .		0
114	Study of ¹⁹ Na at SPIRAL. European Physical Journal A, 2005, 24, 237-247.	2.5	28
115	Shape Coexistence In Light Krypton Isotopes. AIP Conference Proceedings, 2005, , .	0.4	0
116	Direct mass measurement of N ¹⁴ Z nuclei with A= 64 using the CSS2 cyclotron. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1771-S1774.	3.6	10
117	g-factor measurement of the 9/2 ⁺ isomeric state in ⁶⁵ Ni. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1439-S1442.	3.6	2
118	Two-proton radioactivity studies with Fe ⁴⁵ and Ni ⁴⁸ . Physical Review C, 2005, 72, .	2.9	120
119	Publisher's Note: First Observation of Zn ⁵⁴ and its Decay by Two-Proton Emission [Phys. Rev. Lett. 94, 232501 (2005)]. Physical Review Letters, 2005, 94, .	7.8	4
120	First Observation of Zn ⁵⁴ and its Decay by Two-Proton Emission. Physical Review Letters, 2005, 94, 232501.	7.8	134
121	1/2 ⁺ decay of Mg ³¹ : Extending the "island of inversion". Physical Review C, 2005, 72, .	2.9	34
122	Magnetic Moment of the Fragmentation-Aligned F ⁶¹ (9/2 ⁺) Isomer. Physical Review Letters, 2004, 93, 142503.	7.8	25
123	Quadrupole moments and g factors for high-spin neutron isomers in Pb ¹⁹³ . Physical Review C, 2004, 70, .	2.9	14
124	Nuclear Alignment in Projectile Fragmentation as a Tool for Moment Measurements. AIP Conference Proceedings, 2004, , .	0.4	1
125	Beta-decay of ⁷¹ Co and ⁷³ Co. European Physical Journal A, 2004, 22, 455-459.	2.5	32
126	Isomeric decay of ⁶⁷ Fe - Evidence for deformation. European Physical Journal A, 2003, 16, 51-54.	2.5	25

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127	g-factors of isomeric states in the neutron-rich nuclei. European Physical Journal A, 2003, 20, 93-94.	2.5	2
128	Evidence for an isomer in ^{76}Ni . European Physical Journal A, 2003, 20, 109-110.	2.5	24
129	Spectroscopic quadrupole moments of high-spin isomers in ^{193}Pb . European Physical Journal A, 2003, 20, 191-192.	2.5	11
130	Coupling of valence particles/holes to $^{68,70}\text{Ni}$ studied via measurements of the $B(E2)$ strength in $^{67,69,70}\text{Ni}$ and ^{71}Cu . Nuclear Physics A, 2003, 719, C213-C216.	1.5	29
131	Exploring the neutron drip line at the Ne-Mg region. Physics of Atomic Nuclei, 2003, 66, 1639-1642.	0.4	2
132	Low energy levels in ^{72}Ni . Physical Review C, 2003, 68, .	2.9	61
133	g-Factor Measurements Of Isomeric States In Neutron Rich Nuclei. AIP Conference Proceedings, 2003, , .	0.4	0
134	Quadrupole Moment of the $^{11}\hat{\alpha}$ Intruder Isomer in ^{196}Pb and Its Implications for the $^{16}\hat{\alpha}$ Shears Band Head. Physical Review Letters, 2002, 88, 102502.	7.8	27
135	Spin polarization of ^{27}Na and ^{31}Al in intermediate energy projectile fragmentation of ^{36}S . Physical Review C, 2002, 66, .	2.9	15
136	Determination of the quadrupole moment of the $^{11}\hat{\alpha}$ isomer in ^{194}Pb via a double perturbation analysis of a level mixing spectroscopy measurement. Physical Review C, 2002, 65, .	2.9	22
137	g-factor measurements of $\hat{\alpha}$ isomeric states in neutron-rich nuclei around ^{68}Ni produced in projectile-fragmentation reactions. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 2993-3006.	3.6	38
138	Experimental evidence for the particle stability of ^{34}Ne and ^{37}Na . Journal of Physics G: Nuclear and Particle Physics, 2002, 28, L41-L45.	3.6	43
139	Spin and magnetic moment of ^{31}Al ground state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 537, 45-50.	4.1	26
140	Quadrupole moments of the $^{11}\hat{\alpha}$ intruder isomers in $^{194,196}\text{Pb}$ in the particle-core coupling model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 538, 33-38.	4.1	9
141	Recent results on nuclear moments of neutron-rich ground states and isomers from projectile fragmentation. Nuclear Physics A, 2001, 682, 214-222.	1.5	5
142	Measurement of a strong atomic hyperfine field allowing the determination of nuclear g-factors in (sub)nanosecond states. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 462, 588-595.	1.6	0
143	Measurement of the g factors of isomers near the proposed $N \hat{\alpha} \sim 40$ subshell closure. Physics of Atomic Nuclei, 2001, 64, 1181-1185.	0.4	2
144	Static Quadrupole Moment of the Five-Quasiparticle $K=352$ Isomer in ^{179}W Studied with the Level-Mixing Spectroscopy Method. Physical Review Letters, 2001, 86, 604-607.	7.8	20

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145	\hat{I}^2 -level mixing resonance: A method to study the spin alignment and spin polarization of projectile fragments. <i>Physical Review C</i> , 2001, 63, .	2.9	5
146	Pulsed magnetic field method for measuring polarization of radioactive beams. , 2000, 127, 485-488.		5
147	Ground-state magnetic moment of the T=1 nucleus ^{32}Cl using on-line \hat{I}^2 -NMR spectroscopy. <i>Physical Review C</i> , 2000, 62, .	2.9	10
148	Preservation of orientation of fusion-evaporation reaction residues recoiling into vacuum in a level mixing spectroscopy experiment. <i>Physical Review C</i> , 2000, 62, .	2.9	5
149	Large Enhancement of the Sub-barrier Fusion Probability for a Halo Nucleus. <i>Physical Review Letters</i> , 2000, 84, 2342-2345.	7.8	143
150	Study of the static quadrupole moment of the $K=35/2$ isomer in. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1999, 25, 767-769.	3.6	5
151	New \hat{I}^2 level mixing and nuclear magnetic resonance method for measuring magnetic dipole and electric quadrupole moments of short-lived nuclei. <i>Physical Review C</i> , 1999, 59, 1935-1942.	2.9	18
152	Magnetic Moment of the $1\hat{I}^2$ Ground State in ^{18}N Measured with a New \hat{I}^2 Level Mixing Nuclear Magnetic Resonance Technique. <i>Physical Review Letters</i> , 1999, 82, 497-500.	7.8	19