

# Grigory Rogachev

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

1,088  
citations

394421

19  
h-index

454955

30  
g-index

71  
all docs

71  
docs citations

71  
times ranked

698  
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>Low-energy broad <math>\alpha</math>-cluster resonances in <math>^{12}\text{C}</math> and <math>^{16}\text{O}</math>. Physical Review C, 2022, 105, .</p> <p>Direct fusion measurement of the <math>^8\text{B}</math> proton-halo nucleus at near-barrier energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136256.</p>	2.9	6
2	<p>Elastic scattering measurements for the <math>^{12}\text{C} + ^{12}\text{C}</math> system at <math>^{10}\text{B}</math> and <math>^{10}\text{C}</math>. Physical Review C, 2022, 105, .</p> <p>Evidence against the Efimov effect in <math>^{12}\text{C}</math> from spectroscopy and astrophysics. Physical Review C, 2021, 103, .</p>	2.9	5
3	<p>Neutron-upscattering enhancement of the triple-alpha process. Nature Communications, 2022, 13, 2151.</p>	12.8	10
4	<p>Direct fusion measurement of the <math>^8\text{B}</math> proton-halo nucleus at near-barrier energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136256.</p>	4.1	7
5	<p>Evidence against the Efimov effect in <math>^{12}\text{C}</math> from spectroscopy and astrophysics. Physical Review C, 2021, 103, .</p>	2.9	6
6	<p>Low-energy broad <math>\alpha</math>-cluster resonances in <math>^{12}\text{C}</math> and <math>^{16}\text{O}</math>. Physical Review C, 2022, 105, .</p>		
7	<p>Low-energy broad <math>\alpha</math>-cluster resonances in <math>^{12}\text{C}</math> and <math>^{16}\text{O}</math>. Physical Review C, 2022, 105, .</p>		

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19	Structure of ${}^9\text{C}$ through proton resonance scattering with the Thick-Target Inverse Kinematics Method. Physical Review C, 2018, 100, .	2.9	12
20	Sub-Coulomb ${}^3\text{He}$ transfer and its use to extract three-particle asymptotic normalization coefficients. Physical Review C, 2018, 97, .	2.9	1
21	Search for the high spin members of the ${}^{\pm}2n$ band in ${}^{10}\text{Be}$ . AIP Conference Proceedings, 2018, , .	0.4	0
22	The Cyclotron Institute at Texas A&M University. Nuclear Physics News, 2017, 27, 5-13.	0.4	2
23	Structure of ${}^{10}\text{N}$ in ${}^9\text{C}+p$ resonance scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 62-66.	4.1	18
24	Radiative capture reactions via indirect methods. Physical Review C, 2017, 96, .	2.9	3
25	ANASEN: The array for nuclear astrophysics and structure with exotic nuclei. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 662, 1-11.	1.6	13
26	Structure of ${}^{20}\text{Ne}$ states in resonance. Physical Review C, 2017, 95, .	2.9	23
27	Implementation of TILK method and time of flight for resonance reaction studies at heavy ion accelerator DC-60. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 847, 125-129.	1.6	9
28	Nuclear structure beyond the neutron drip line: The lowest energy states in ${}^9\text{He}$ via their $T = 5/2$ isobaric analogs in ${}^9\text{Li}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 323-327.	4.1	14
29	Asymptotic normalization coefficient of the ${}^{\pm}1$ in ${}^6\text{Li}$ . Physical Review C, 2016, 93, .	2.9	30
30	Constraining the ${}^6\text{Li}$ structure. Physical Review Letters, 2015, 114, 071101.	7.8	41
31	Study of the excitation function for the ${}^{13}\text{C} + {}^4\text{He}$ elastic scattering with the thick-target inverse kinematics method. Journal of Experimental and Theoretical Physics, 2014, 119, 663-667.	0.9	5
32	Structure of ${}^{\pm}1$ -cluster structure of ${}^8\text{B}$ . Physical Review C, 2014, 89, .	2.9	42
33	Structure of ${}^{\pm}1$ -cluster asymptotic normalization coefficients for nuclear astrophysics. Physical Review C, 2014, 90, .	2.9	8
34	Clustering in non-self-conjugate nuclei ${}^{10}\text{Be}$ and ${}^{18}\text{O}$ . Journal of Physics: Conference Series, 2014, 569, 012004.	0.4	10
35	Structure of light nuclei in resonance scattering experiments. , 2013, , .		0
36	Structure of ${}^8\text{B}$ from elastic and inelastic ${}^7\text{Be} + p$ . Physical Review C, 2013, 87, .	2.9	14

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37	STUDIES OF EXOTIC NUCLEI AT THE RESOLUT FACILITY OF FLORIDA STATE UNIVERSITY. , 2013, , .		2
38	ON THE MEASUREMENT OF THE $^{13}\text{C}(\hat{\pm}, n)^{16}\text{O}(\text{S})$ -FACTOR AT NEGATIVE ENERGIES AND ITS INFLUENCE ON THE $s$ -PROCESS. Astrophysical Journal, 2013, 777, 143.	4.5	62
39	$\hat{\pm}$ -cluster states in $N\%Z$ nuclei. , 2012, , .		3
40	Measurement of the $^{13}\text{C}(\hat{\pm}, n)^{16}\text{O}(\text{S})$ in the Reaction $^{13}\text{C}(\hat{\pm}, n)^{16}\text{O}(\text{S})$		

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55	End double proton emissions from the $^{14}\text{O}$ $\alpha$ -decay. Physical Review Letters, 2007, 99, 122501.	2.9	17
56	Lowest excited states of $^{13}\text{O}$ . Physical Review C, 2007, 75, .	2.9	20
57	Spectroscopy of $^{9}\text{C}$ via resonance scattering of protons on $^8\text{B}$ . Physical Review C, 2007, 75, .	2.9	18
58	Doppler shift as a tool for studies of resonant (p,n) reactions with RIBs: Spectroscopy of $^7\text{He}$ . AIP Conference Proceedings, 2006, , .	0.4	0
59	Astrophysical Reaction Rate for the Neutron-Generator Reaction $^{13}\text{C}(\hat{1}\pm, n)^{16}\text{O}$ in Asymptotic Giant Branch Stars. Physical Review Letters, 2006, 97, 192701.	7.8	41
60	Structure of $^{12}\text{N}$ using $^{11}\text{C} + p$ resonance scattering. Physical Review C, 2006, 74, .	2.9	17
61	Isobaric analog states as a tool for spectroscopy of exotic nuclei. Nuclear Instruments & Methods in Physics Research B, 2005, 241, 977-982.	1.4	0
62	Isobaric analog states of neutron-rich nuclei. Doppler shift as a measurement tool for resonance excitation functions. European Physical Journal A, 2005, 25, 259-260.	2.5	0
63	Doppler Shift as a Tool for Studies of Isobaric Analog States of Neutron-Rich Nuclei: Application to $^7\text{He}$ . Physical Review Letters, 2005, 95, 132502.	7.8	19
64	Isobaric analog states of neutron-rich nuclei. Doppler shift as a measurement tool for resonance excitation functions. , 2005, , 259-260.		0
65	Analog States of $^7\text{He}$ Observed via the $^6\text{He}(p, n)$ Reaction. Physical Review Letters, 2004, 92, 232502.	7.8	41
66	$T=5/2$ states in $^9\text{Li}$ : Isobaric analog states of $^9\text{He}$ . Physical Review C, 2003, 67, .	2.9	44
67	Final state interaction or a $^3\text{He}$ excited state?. Physical Review C, 2003, 68, .	2.9	5
68	Doubling of $\hat{1}\pm$ -cluster states in $^{22}\text{Ne}$ . Physical Review C, 2001, 64, .	2.9	41
69	Proton elastic scattering from $^7\text{Be}$ at low energies. Physical Review C, 2001, 64, .	2.9	32
70	Crossing the dripline to $^{11}\text{N}$ using elastic resonance scattering. Physical Review C, 2000, 62, .	2.9	56