

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	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. <i>Astrophysical Journal</i> , 2013, 777, 143.	4.5	62
2	Crossing the dripline to ^{11}N using elastic resonance scattering. <i>Physical Review C</i> , 2000, 62, .	2.9	56
3	$T=5/2$ states in ^9Li : Isobaric analog states of ^9He . <i>Physical Review C</i> , 2003, 67, .	2.9	44
4	Measurement of the $^{13}\text{C}(\hat{\pm}, n)^{16}\text{O}(\text{S})$ in the Reaction $^{13}\text{C}(\hat{\pm}, n)^{16}\text{O}(\text{S})$		

#	ARTICLE	IF	CITATIONS
19	Lowest excited states of ^{13}O . Physical Review C, 2007, 75, .	2.9	20
20	Constraining the $^{22}\text{Ne}(\hat{1}\pm, \hat{1}^3) ^{26}\text{Mg}$ and $^{22}\text{Ne}(\hat{1}\pm, n) ^{25}\text{Mg}$ reaction rates using sub-Coulomb $\hat{1}\pm$ -transfer reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135267.	4.1	20
21	Doppler Shift as a Tool for Studies of Isobaric Analog States of Neutron-Rich Nuclei: Application to ^7He . Physical Review Letters, 2005, 95, 132502.	7.8	19
22	Spectroscopy of ^{13}C via resonance scattering of protons on ^8B . Physical Review C, 2007, 75, .	2.9	18
23	Structure of ^{10}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	Structure of ^{12}N using $^{11}\text{C}+p$ resonance scattering. Physical Review C, 2006, 74, . Single and double proton emissions from the	2.9	17
25	^{14}O and ^{14}He resonances and their impact on s-process nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135256.	4.1	16
26	Decay properties of $^{22}\text{Ne} \hat{1}^- + \hat{1}^+ \hat{1}^-$ resonances and their impact on s-process nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135256.	4.1	16
27	Low-lying states in ^8B and ^8C . Physical Review C, 2010, 82, .	2.9	15
28	^{14}O and ^{14}He resonances and their impact on s-process nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135256.	4.1	16

#	ARTICLE	IF	CITATIONS
37	Neutron-upscattering enhancement of the triple-alpha process. Nature Communications, 2022, 13, 2151.	12.8	10
38	Resonance scattering and \hat{I}_{\pm} -transfer reactions for nuclear astrophysics. , 2010, , .		9
39	Highly excited alpha-cluster states in ^{34}S . European Physical Journal A, 2011, 47, 1.	2.5	9
40	Implementation of TTK 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
41	Level structure of ^{10}C . Physical Review C, 2012, 86, .	2.9	8
42	\hat{I}_{\pm} -cluster asymptotic normalization coefficients for nuclear astrophysics. Physical Review C, 2014, 90, .	2.9	8
43	$^{10}\text{C} + ^{208}\text{Pb}$ system at ^{10}C system at	2.9	8
44	Beta-delayed charged-particle spectroscopy using TexAT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 964, 163773.	1.6	7
45	Direct fusion measurement of the ^8B proton-halo nucleus at near-barrier energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136256.	4.1	7
46	and		

#	ARTICLE	IF	CITATIONS
55	Radiative capture reactions via indirect methods. Physical Review C, 2017, 96, .	2.9	3
56	Search for the high-spin members of the $\hat{1}\pm$ band in ^{10}Be . Physical Review C, 2020, 101, .	2.9	3
57	STUDIES OF EXOTIC NUCLEI AT THE RESOLUT FACILITY OF FLORIDA STATE UNIVERSITY. , 2013, , .		2
58	The Cyclotron Institute at Texas A&M University. Nuclear Physics News, 2017, 27, 5-13. Observation of $\hat{1}\pm$	0.4	2
59	isobaric analog states in ^{10}Be using $\hat{1}\pm$	2.9	2
60	Thick target inverse kinematics approach for neutron emission. Physical Review Research, 2020, 2, .	3.6	2
61	Sub-Coulomb $\hat{1}\pm$ transfer and its use to extract three-particle asymptotic normalization coefficients. Physical Review C, 2018, 97, .	2.9	1
62	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
63	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
64	Doppler shift as a tool for studies of resonant (p,n) reactions with RIBs: Spectroscopy of ^7He . AIP Conference Proceedings, 2006, , .	0.4	0
65	Proton decay of ^{18}Ne states populated in the $^{14}\text{O}+\hat{1}\pm$ resonance interaction.. AIP Conference Proceedings, 2008, , .	0.4	0
66	$\hat{1}\pm$ -cluster structure in light Nâ%Z nuclei. , 2009, , .		0
67	Structure of light nuclei in resonance scattering experiments. , 2013, , .		0
68	Search for the high spin members of the $\hat{1}\pm:2n:\hat{1}\pm$ band in ^{10}Be . AIP Conference Proceedings, 2018, , .	0.4	0
69	New Era of Resonance Reaction Studies. Physics of Atomic Nuclei, 2020, 83, 513-519.	0.4	0
70	Isobaric analog states of neutron-rich nuclei. Doppler shift as a measurement tool for resonance excitation functions. , 2005, , 259-260.		0