

Borge, Mjg

List of Publications by Year in descending order

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163
papers

2,644
citations

218677

26
h-index

223800

46
g-index

164
all docs

164
docs citations

164
times ranked

1604
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear structure at the proton drip line: Advances with nuclear decay studies. Progress in Particle and Nuclear Physics, 2008, 60, 403-483.	14.4	193
2	Elastic Scattering and Reaction Mechanisms of the Halo Nucleus ^{11}Be around the Coulomb Barrier. Physical Review Letters, 2010, 105, 022701.	7.8	163
3	Do Halo Nuclei Follow Rutherford Elastic Scattering at Energies Below the Barrier? The Case of ^{11}Li . Physical Review Letters, 2012, 109, 262701.	7.8	127
4	Experimental study of the collision of ^{11}Be around the Coulomb Barrier. Physical Review Letters, 2013, 110, 062701.	2.9	103
5	Bayesian neutron drip-line: Reunion of ^{25}O and ^{26}O isotopes. Physical Review C, 2013, 88, 044607.	2.9	93
6	The electron-ion scattering experiment ELISE at the International Facility for Antiproton and Ion Research (FAIR) - A conceptual design study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 60-76.	1.6	85
7	Quasifree ^6He production in ^6He scattering experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 77-80.	2.9	80
8	Reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle Breakup on ^{208}Pb at Energies Around the Coulomb Barrier. Physical Review Letters, 2013, 110, 051501.	7.8	69
9	The unbound isotopes ^9He and ^{10}He . Nuclear Physics A, 2010, 842, 15-32.	1.5	64
11	Improved Limit on Direct ^7Li Decay of the Hoyle State. Physical Review Letters, 2012, 108, 202501.	2.9	62
12	Matrix analysis of the ^7Li decays of ^7Be . Physical Review Letters, 2012, 108, 202501.	7.8	61
13	Scattering of the Halo Nucleus ^{11}Be on ^{11}B . Physical Review Letters, 2010, 105, 022701.	2.9	59
14	Three-body correlations in the decay of ^{10}He and ^{13}Li . Nuclear Physics A, 2010, 847, 66-88.	7.8	58
15	New measurement of the ^3He decay. Nuclear Physics A, 2010, 847, 66-88.	7.8	53
16	First Observation of the Unbound Nucleus ^{15}Ne . Physical Review Letters, 2014, 112, 132502.	1.5	47
17	First Observation of the Unbound Nucleus ^{15}Ne . Physical Review Letters, 2014, 112, 132502.	2.9	46
18	First Observation of the Unbound Nucleus ^{15}Ne . Physical Review Letters, 2014, 112, 132502.	7.8	35

#	ARTICLE	IF	CITATIONS
19	<p>Shape study of the unbound nucleus ^{13}Be. One-neutron knockout reaction data from ^{13}Be analyzed in a holistic approach. <i>Physical Review Letters</i>, 2018, 121, 252501.</p>	2.9	34
20	<p>Beta-decay of the $N = Z$ nucleus ^{11}Li. <i>European Physical Journal A</i>, 2003, 16, 313-329.</p>	4.1	33
21	<p>Current status and future developments of the ion beam facility at the centre of micro-analysis of materials in Madrid. <i>European Physical Journal Plus</i>, 2021, 136, 1.</p>	7.8	33
22	<p>Simultaneous analysis of the elastic scattering and breakup channel for the reaction $^{11}\text{Li} + ^{208}\text{Pb}$ at energies near the Coulomb barrier. <i>Physical Review C</i>, 2015, 92, .</p>	2.5	32
23	<p>Momentum profile analysis in one-neutron knockout from Borromean nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2013, 718, 1309-1313.</p>	2.6	32
24	<p>Shape study of the $N = Z$ nucleus ^{72}Kr. <i>European Physical Journal A</i>, 2003, 16, 313-329.</p>	2.9	29
25	<p>Experimental study of bound states in ^{12}Be through low-energy ^{12}Be decay studies using the total absorption technique.</p>	4.1	28
26	<p>Experimental study of bound states in ^{12}Be through low-energy ^{12}Be decay studies using the total absorption technique.</p>	2.9	28
27	<p>Experimental study of bound states in ^{12}Be through low-energy ^{12}Be decay studies using the total absorption technique.</p>	2.9	26
28	<p>Experimental study of bound states in ^{12}Be through low-energy ^{12}Be decay studies using the total absorption technique.</p>		

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55	Study of the ^8Li H reaction studied in inverse kinematics at 3.15 MeV/nucleon using the REX-ISOLDE post-accelerator. Physical Review C, 2011, 84, .	2.9	13
56	Gamma-ray measurements in the one-neutron knockout of ^{17}C , ^{19}N , ^{21}O and ^{25}F . European Physical Journal A, 2012, 48, 1.	2.5	13
57	Identification and Structure of its Second ^2Be State. Physical Review Letters, 2013, 111, 242501.	7.8	13
58	Relative proton and ^3He widths of astrophysically important states in ^{30}S studied in the ^2He -delayed decay of ^{31}Ar . Physical Review C, 2013, 87, .	2.9	13
59	Beta-delayed proton emission from ^{21}Mg . European Physical Journal A, 2015, 51, 1.	2.5	13
60	^2He -decay of ^{13}O . Physical Review C, 2005, 72, .	2.9	12
61	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. Physical Review C, 2016, 93, .	2.9	11
62	Coulomb and nuclear excitations of narrow resonances in ^{17}Ne . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 200-205.	4.1	11
63	The SPEDE spectrometer. European Physical Journal A, 2018, 54, 1.	2.5	11
64	Normal and intruder configurations in ^{34}Si populated in the ^2He decay of ^{36}S . Allowed and First-Forbidden ^2He decay of ^{36}S . Physical Review C, 2019, 100, 014605.	2.9	11
65	Decay: The Case of ^{208}Hg . Octupole states in ^{208}Hg . Physical Review C, 2019, 100, 014605.	7.8	11
66	^{207}Tl studied through ^2He decay. Physical Review C, 2020, 101, .	2.9	11
67	Studies of continuum states in ^{16}Ne using three-body correlation techniques. European Physical Journal A, 2015, 51, 1.	2.5	10
68	Determination of the neutron-capture rate of ^{17}C for r-process nucleosynthesis. Physical Review C, 2017, 95, .	2.9	10
69	Interaction of ^8He with ^{208}Pb at near-barrier energies: ^4He and ^6He production. Physical Review C, 2018, 98, .	2.9	10
70	Detailed spectroscopy of doubly magic ^{132}Sn . Physical Review C, 2020, 102, .	2.9	10
71	Observation of $^1\pm$ decay from a state in ^{10}B at 11.48 MeV. Physical Review C, 2012, 85, .	2.9	9
72	$^{13,14}\text{B}(n, ^3\text{He})$ via Coulomb Dissociation for Nucleosynthesis towards the r-Process. Nuclear Data Sheets, 2014, 120, 197-200.	2.2	9

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73	Strong Neutron Pairing in core+4n Nuclei. Physical Review Letters, 2018, 120, 152504. Structure of ^{13}Be	7.8	9
74	^{13}Be studied in proton knockout from ^{14}B	2.9	9
75	I^2 decay of ^{133}In : β^+ emission from neutron-unbound states in ^{133}Sn . Physical Review C, 2019, 99, .	2.9	9
76	Systematic trends in beta-delayed particle emitting nuclei: The case of ^{21}Mg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 356-359.	4.1	8
77	Fast-timing study of the ^{13}C forbidden β^+ decay. Physical Review C, 2016, 93, .	2.9	8
78	I^2 decay of ^{78}Sr . Physical Review C, 2011, 84, .	2.9	7
79	$^3\text{He}(\alpha, n)^7\text{Be}$ cross section measured using complementary techniques. EPJ Web of Conferences, 2014, 66, 07003.	0.3	7
80	The ^{68}mCu ^{68}Cu isotope as a new probe for hyperfine studies: The nuclear moments. Europhysics Letters, 2016, 115, 62002.	2.0	7
81	Comparison of electromagnetic and nuclear dissociation of ^{17}Ne	2.9	7
82	Low-spin states in ^{80}Ge populated in the I^2 decay of the ^{80}Ga isomer. Physical Review C, 2021, 104, .	2.9	7
83	Evolution of single-particle structure near the N=20 island of inversion. Physical Review C, 2021, 104, .	2.9	7
84	Investigation of the $\beta^+\beta^0$ selection rule in Gamow-Teller transitions: The I^2 -decay of ^{207}Hg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 271-275.	4.1	6
85	Population of lead isotopes in binary reactions using a ^{94}Rb radioactive beam. Physical Review C, 2020, 102, 014607.	2.9	6
86	Competition between allowed and first-forbidden β^+ decays of ^{208}At and expansion of the ^{208}At	2.9	6
87	Scattering of ^9Li on ^{208}Pb at energies around the Coulomb barrier. EPJ Web of Conferences, 2011, 17, 16002.	0.3	5
88	One-neutron knockout from ^{51}Sc . European Physical Journal A, 2012, 48, 1.	2.5	5
89	Reaction of the Halo Nucleus ^{11}Be on Heavy Targets at Energies Around the Coulomb Barrier. Acta Physica Polonica B, 2014, 45, 375.	0.8	5
90	$^{12}\text{C}+p$ resonant elastic scattering in the Maya active target. European Physical Journal A, 2015, 51, 1.	2.5	5

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91	First Accurate Normalization of the \hat{I}^2 -delayed \hat{I}^{\pm} Decay of N16 and Implications for the C12(\hat{I}^{\pm}, \hat{I}^3)O16 Astrophysical Reaction Rate. Physical Review Letters, 2018, 121, 142701.	7.8	5
92	Chronology of the three-body dissociation of ^8He . Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 03LT02.	3.6	5
93	\hat{I}^2 -decay spectroscopy of ^{135}In and new \hat{I}^2 -decay branches of ^{135}In .	2.9	5
94	One-neutron knockout from ^{24}Ne isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 26-30.	4.1	4
95	Elastic Scattering of $^8\text{He} + ^{208}\text{Pb}$ at 22 MeV. Acta Physica Polonica B, 2013, 44, 467.	0.8	4
96	^7He spectroscopy using the ^7Be .	2.9	4
97	High-sensitivity study of levels in Al30 following \hat{I}^2 decay of Mg30. Physical Review C, 2016, 94, .	2.9	4
98	Study of bound states in ^{10}Be by one neutron removal reactions of ^{11}Be . Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 044009.	3.6	4
99	Experimental investigation of exotic clustering in ^{13}B and ^{14}C using the resonance scattering method. Journal of Physics: Conference Series, 2018, 966, 012040.	0.4	4
100	Multi-particle Emission from ^{31}Ar at ISOLDE. Acta Physica Polonica B, 2016, 47, 747.	0.8	4
101	Investigation of Low-lying States in ^{133}Sn Populated in the β Decay of ^{133}In Using Isomer-selective Laser Ionization. Acta Physica Polonica B, 2018, 49, 523.	0.8	4
102	Fusion of ^8He with ^{206}Pb around Coulomb barrier energies. EPJ Web of Conferences, 2011, 17, 16009.	0.3	3
103	Elastic and break-up of the $1n$ -halo ^{11}Be nucleus. EPJ Web of Conferences, 2014, 66, 03023.	0.3	3
104	Tl concentration and its variation in a CsI(Tl) crystal for the CALIFA detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 975, 164197.	1.6	3
105	Decay studies of the long-lived states in ^{186}Tl .	2.9	3
106	Proton Radiographs Using Position-Sensitive Silicon Detectors and High-Resolution Scintillators. IEEE Transactions on Nuclear Science, 2022, 69, 696-702.	2.0	3
107	Study Of Reaction Mechanisms For $^{9,10,11}\text{Be} + ^{64}\text{Zn}$ Systems Around The Coulomb Barrier. AIP Conference Proceedings, 2010, .	0.4	2
108	STRUCTURE EFFECTS IN COLLISIONS INDUCED BY HALO AND WEAKLY BOUND NUCLEI AROUND THE COULOMB BARRIER. International Journal of Modern Physics E, 2010, 19, 1236-1240.	1.0	2

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109	Structure effects in the reactions $^9,^{10},^{11}\text{Be}+^{64}\text{Zn}$ at the Coulomb barrier. Journal of Physics: Conference Series, 2011, 267, 012012.	0.4	2
110	Elastic scattering and direct reactions of the $1n$ halo ^{11}Be nucleus on ^{64}Zn near the barrier. Journal of Physics: Conference Series, 2012, 381, 012050.	0.4	2
111	Elastic Scattering for the $^{11}\text{Be}+^{64}\text{Zn}$ System Close to the Coulomb Barrier. Acta Physica Polonica B, 2013, 44, 463.	0.8	2
112	Fast phoswich scintillator endcap for gamma and proton detection. , 2013, , .		2
113	Near barrier scattering of ^8He on ^{208}Pb . EPJ Web of Conferences, 2014, 66, 03058.	0.3	2
114	Recent Highlights of the ISOLDE Facility. Journal of Physics: Conference Series, 2015, 580, 012049.	0.4	2
115	On the enhanced E1 transitions in the $K = 3/2$ parity doublet band in ^{223}Ra . European Physical Journal A, 2016, 52, 1.	2.5	2
116	Probing the $Z\hat{a}^{-}=\hat{a}^{-}6$ spin-orbit shell gap with (p,2p) quasi-free scattering reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135748.	4.1	2
117	Detailed study of the decay of ^{32}Ar . European Physical Journal A, 2021, 57, 1.	2.5	2
118	Calibration and response function of a compact silicon-detector set-up for charged-particle spectroscopy using GEANT4. European Physical Journal A, 2021, 57, 1.	2.5	2
119	Study of the scattering of ^{15}C at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2020, 1643, 012095.	0.4	2
120	Understanding ^6He induced reactions at energies around the Coulomb barrier. , 2009, , .		1
121	Properties of resonances in ^{12}C above the triple-alpha threshold. Journal of Physics: Conference Series, 2011, 312, 092013.	0.4	1
122	Astrophysical S factor for the $^4\text{He}(^3\text{He},^7\text{Be})$ reaction at medium energies. Journal of Physics: Conference Series, 2012, 337, 012061.	0.4	1
123	Scattering of the halo nucleus ^7Li and its core ^6Li on ^{208}Pb at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2012, 381, 012085.	0.4	1
124	CEPA: $\text{AlaBr}_3(\text{Ce})/\text{LaCl}_3(\text{Ce})$ phoswich array for simultaneous detection of protons and gamma radiation emitted in reactions at relativistic energies. EPJ Web of Conferences, 2014, 66, 11033.	0.3	1
125	Beta decay studies of the $N=Z$ and waiting point nucleus ^{72}Kr . EPJ Web of Conferences, 2014, 66, 02016.	0.3	1
126	Highlights of the ISOLDE facility and the HIE-ISOLDE Project. EPJ Web of Conferences, 2016, 117, 10002.	0.3	1

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127	Scattering of halo nuclei on heavy targets at energies around the Coulomb barrier: The case of ^{11}Be on ^{197}Au . EPL Web of Conferences, 2017, 163, 00045. Experimental study of the nature of the excited states in ^{11}Be .	0.3	1
128	Study of the excited states in ^{11}Be .	0.9	1
129	Study of the $^{15}\text{O}(2p,\gamma)^{17}\text{Ne}$ Cross Section by Coulomb Dissociation of ^{17}Ne for the $r\text{p}$ Process of Nucleosynthesis. Acta Physica Polonica B, 2014, 45, 229.	0.8	1
130	Highlights of the ISOLDE Facility and the HIE-ISOLDE Project. Acta Physica Polonica B, 2016, 47, 591.	0.8	1
131	Study of the Near-barrier Scattering of ^8He on ^{208}Pb . Acta Physica Polonica B, 2016, 47, 841.	0.8	1
132	The Most Accurate Determination of the (^8B) Half-life. Acta Physica Polonica B, 2020, 51, 717.	0.8	1
133	Halo Effects in the Low-energy Scattering of (^{15}C) with Heavy Targets. Acta Physica Polonica B, 2020, 51, 731.	0.8	1
134	Study of exotic decay of Cs isotope close to the proton drip line. Journal of Physics: Conference Series, 2020, 1643, 012127.	0.4	1
135	The experiments to determine the electron capture and \hat{I}^2 -decay of ^8B into the highly excited states of ^8Be . Journal of Physics: Conference Series, 2020, 1643, 012130.	0.4	1
136	New \hat{I}^2 -decaying state in $\text{Bi}214$. Physical Review C, 2021, 104, .	2.9	1
137	Scattering of ^{11}Be Around the Coulomb barrier. , 2009, , .		0
138	Nuclear Structure of ^{12}C from Break-up Studies in Complete Kinematics. , 2009, , .		0
139	Dynamic studies of ^{11}Li and its core ^9Li on ^{208}Pb near the Coulomb barrier. AIP Conference Proceedings, 2010, , .	0.4	0
140	A High Resolution Phoswich Detector: $\text{LaBr}_3(\text{Ce})$ Coupled With $\text{LaCl}_3(\text{Ce})$. , 2010, , .		0
141	Conversion coefficients of the isomeric state in ^{72}Br . , 2010, , .		0
142	One-neutron knockout of n-rich Ne isotopes at relativistic energies. Nuclear Physics A, 2010, 834, 485c-487c.	1.5	0
143	$^{33,32}\text{Ar}$ \hat{I}^2 -delayed particle and \hat{I}^3 emission. , 2010, , .		0
144	Publisher's Note: One-neutron knockout from light neutron-rich nuclei at relativistic energies [Phys. Rev. C82, 024305 (2010)]. Physical Review C, 2010, 82, .	2.9	0

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145	Reactions induced by ^{11}Be beam at Rex-Isolde. EPJ Web of Conferences, 2011, 17, 13001.	0.3	0
146	Elastic scattering of Beryllium isotopes near the Coulomb barrier. , 2011, , .		0
147	^{12}C formation: A classical quest in new light. , 2011, , .		0
148	Phoswich scintillator for proton and gamma radiation of high energy. , 2011, , .		0
149	Beta-delayed Proton-emission: Peering into Nuclear Structure. , 2011, , .		0
150	Evidence of strong effects of the ^{11}Be halo structure on reaction processes at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2011, 312, 082020.	0.4	0
151	Study Of The Scattering Of Halo Nuclei Around The Coulomb Barrier. , 2011, , .		0
152	The Spectroscopic study of ^{33}Ar . , 2011, , .		0
153	Elastic scattering of ^9Li on ^{208}Pb at energies around the Coulomb barrier. , 2011, , .		0
154	Scattering of ^8He on ^{208}Pb at 22 MeV. , 2013, , .		0
155	Scattering of light halo nuclei on heavy target at energies around the Coulomb barrier. EPJ Web of Conferences, 2014, 66, 03086.	0.3	0
156	The ISOLDE facility and the HIE-HISOLDE project: Recent highlights. , 2014, , .		0
157	Exclusive measurements of nuclear breakup reactions of ^{17}Ne . EPJ Web of Conferences, 2014, 66, 03094.	0.3	0
158	Study of the break-up channel in $^{11}\text{Li}+^{208}\text{Pb}$ collisions at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2014, 515, 012004.	0.4	0
159	^{11}Li structural information from inclusive break-up measurements. EPJ Web of Conferences, 2015, 88, 01003.	0.3	0
160	\hat{I}^2 -decay properties in the Cs decay chain. Journal of Physics: Conference Series, 2018, 966, 012024.	0.4	0
161	Investigation of Cluster States in ^{13}B Using the $^9\text{Li}-\alpha$ Resonant Elastic Scattering. Acta Physica Polonica B, 2017, 48, 455.	0.8	0
162	$^{7}\text{Be}(n,p)^7\text{Li}$ Cross Section Measurement for the Cosmological Lithium Problem at the n TOF Facility at CERN. Springer Proceedings in Physics, 2019, , 25-32.	0.2	0

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163	Clarifying the structure of low-lying states in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Br} \langle \text{mml:mi} \rangle \langle \text{mml:mprescript} \rangle \text{29} \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 72 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2022, 105, .		0