

Evolution of shell structure in exotic nuclei

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ten Years of the Asian Nuclear Physics Association (ANPhA) and Major Accelerator Facilities for Nuclear Physics in the Asia Pacific Region. Nuclear Physics News, 2020, 30, 3-45.	0.1	2
2	A way forward towards the improvement of tensor force in pf-shell. Nuclear Physics A, 2020, 1004, 122038.	0.6	1
3	Shape Coexistence at Zero Spin in ^{64}Ni Driven by the Monopole Tensor Interaction. Physical Review Letters, 2020, 125, 102502.	2.9	24
4	Constraints on the neutron drip line with the newly observed ^{39}Na . Physical Review C, 2020, 102, .		10
5	no-core shell model study of ^{10}B isotopes with realistic ^{14}N island of inversion. Collective Structures Built on Configuration-Coexisting States in ^{28}N .	1.1	12
6	Quantal diffusion approach for multinucleon transfer processes in the ^{58}Ni .	2.9	14
7	Quantal diffusion approach for multinucleon transfer processes in the ^{64}Ni reactions: Toward the production of unknown neutron-rich nuclei. Physical Review C, 2020, 102, .	1.1	22
8	Study of ground state properties of carbon isotopes with deformed relativistic Hartree-Bogoliubov theory in continuum. Nuclear Physics A, 2020, 1003, 122011.	0.6	35
9	Modification of tensor force in Op-shell model effective interaction. International Journal of Modern Physics E, 2020, 29, 2050069.	0.4	0
10	Global trends of nuclear $d_{5/2}^{2,3,4}$ configurations. European Physical Journal A, 2020, 56, 1.	1.0	0
11	Prediction of the Spin-Parities and the Magnetic Moments for the Ground States of Proton-rich Nuclei with $Z = 21 \leq 30$. Journal of the Korean Physical Society, 2020, 77, 952-959.	0.3	0
12	Reduced spin-orbit splitting in ^{35}Si : Weak binding or density-depletion effect?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135740.	1.5	2
13	The impact of nuclear shape on the emergence of the neutron dripline. Nature, 2020, 587, 66-71.	13.7	48
14	Perturbative Approach to Effective Shell-Model Hamiltonians and Operators. Frontiers in Physics, 2020, 8, .	1.0	17
15	Core of F25 in the rotational model. Physical Review C, 2020, 102, .	1.1	3
16	A nuclear periodic table. Foundations of Chemistry, 2020, 22, 267-273.	0.4	2
17	Self-consistent random-phase approximation based on the relativistic Hartree-Fock theory: Role of \bar{k} -tensor coupling. Physical Review C, 2020, 101, .	1.1	12
18	Two-Neutron Halo is Unveiled in ^{29}F . Physical Review Letters, 2020, 124, 222504.	2.9	57

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19	Precision Mass Measurements of Neutron-Rich Scandium Isotopes Refine the Evolution of $N > 32$ and $N > 34$ Shell Closures. Physical Review Letters, 2021, 126, 042501.	2.9	19
20	Variational approach with the superposition of the symmetry-restored quasiparticle vacua for nuclear shell-model calculations. Physical Review C, 2021, 103, .	1.1	15
21	Proton density polarization of the doubly magic ^{40}Ca core in ^{48}Ca and EoS parameters. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	2
22	Neutron drip line in the deformed relativistic Hartree-Bogoliubov theory in continuum: Oxygen to Calcium. International Journal of Modern Physics E, 2021, 30, 2150009.	0.4	21
23	Generalized tanh-shaped hyperbolic potential: bound state solution of Schrödinger equation. European Physical Journal Plus, 2021, 136, 1.	1.2	6
24	s as a Small s -Orbital Component in the Borromean Nucleus	2.9	42
25	Coriolis coupling effects in proton-pickup spectroscopic factors from B12. Physical Review C, 2021, 103, .	1.1	0
26	First spectroscopic study of ^{51}Ar by the $(p,2p)$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136108.	1.5	5
27	The islands of shape coexistence within the Elliott and the proxy-SU(3) Models. European Physical Journal A, 2021, 57, 1.	1.0	27
28	Tensor force effect on the neutron shell closure in super-heavy elements. European Physical Journal Plus, 2021, 136, 1.	1.2	2
29	New \hat{I}^{\pm} -Emitting Isotope	2.9	47
30	^{214}U Nuclear matter distributions in the neutron-rich carbon isotopes $^{14}\text{a}^{17}\text{C}$ from intermediate-energy proton elastic scattering in inverse kinematics. Nuclear Physics A, 2021, 1008, 122154.	0.6	14
31	Study of the ^{33}Cl spectroscopic factors via the $^{32}\text{S}(^3\text{He}, \text{Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50})$. Physical Review C, 2021, 103, 065101.	1.4	8
32	Quenching of single-particle strength from direct reactions with stable and rare-isotope beams. Progress in Particle and Nuclear Physics, 2021, 118, 103847.	5.6	64
33	Deformed two-neutron halo in B	1.1	22
34	Quadrupole collectivity in the neutron-rich sulfur isotopes	1.1	10
35	Tensor-force effects on shell-structure evolution in isotones and $Z > 50$ isotopes in the relativistic Hartree-Fock theory. Physical Review C, 2021, 103, .	1.1	2
36	Reexamining the variational two-particle reduced density matrix for nuclear systems. Physical Review C, 2021, 103, .	1.1	1

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37	First spectroscopic study of V at the $N=40$ shell gap. Physical Review C, 2021, 103, . $\langle V \rangle$	1.1	4
38	Spectroscopy of Mg with knockout reactions. Physical Review C, 2021, 103, . $\langle Mg \rangle$	1.1	6
39	Pairing Forces Govern Population of Doubly Magic Ca . Physical Review Letters, 2021, 126, 252501. $\langle Ca \rangle$	2.9	11
40	from Direct Reactions. Persistence of the $Z=28$ shell gap in $A=75$ isobars: Identification of a possible $(1/2^+)$ ^{74}Co isomer in Co^{75} and ^{72}Ni decay to Ni^{75} . Physical Review C, 2021, 103, . $\langle \hat{I}^3 \rangle$	1.1	2
41	In-beam \hat{I}^3 -ray spectroscopy of P . Physical Review C, 2021, 103, . $\langle P \rangle$	1.1	1
42	Role of quadrupole deformation and continuum effects in the ^{42}Ca island of inversion nuclei. Physical Review C, 2021, 104, . $\langle F \rangle$	1.1	9
43	Physical Review C, 2021, 104, . $\langle F \rangle$	1.1	4
44	Role of triaxiality in deformed halo nuclei. Physical Review C, 2021, 104, . $\langle N \rangle$	1.1	4
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47	Formulation of a shell "cluster overlap integral with the Gaussian expansion method. Progress of Theoretical and Experimental Physics, 2021, 2021, . $\langle N \rangle$	1.8	1
48	Symmetry restoration in mean-field approaches. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 123001. $\langle N \rangle$	1.4	62
49	The neutron-rich edge of the nuclear landscape: Experiment and theory.. Progress in Particle and Nuclear Physics, 2021, 120, 103866. $\langle N \rangle$	5.6	33
50	Lifetime measurements of excited states in Cr^{55} . Physical Review C, 2021, 104, . $\langle N \rangle$	1.1	2
51	Rotating deformed halo nuclei and shape decoupling effects. Science Bulletin, 2021, 66, 2072-2078. $\langle N \rangle$	4.3	27
52	Coexisting normal and intruder configurations in ^{32}Mg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136682. $\langle N \rangle$	1.5	6
53	In-beam \hat{I}^3 -ray spectroscopy of Cr . Physical Review C, 2021, 103, . $\langle Cr \rangle$	1.1	11
54	Formation of \hat{I}^{\pm} clusters in dilute neutron-rich matter. Science, 2021, 371, 260-264. $\langle I^{\pm} \rangle$	6.0	57
55	Electric and magnetic dipole strength in Sn . Physical Review C, 2020, 102, . $\langle Sn \rangle$	1.1	25

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56	Shell evolution in neutron-rich nuclei: the single particle perspective. Chinese Physics C, 0, , .	1.5	0
57	Complete set of bound negative-parity states in the neutron-rich nucleus ^{18}N . Physical Review C, 2021, 104, .	1.1	6
58	\hat{I}^2 decay spectroscopy of ^{135}In and new \hat{I}^2 -decay branches of ^{135}In . Physical Review C, 2021, 104, .	1.1	5
59	Signature of magic numbers in light exotic nuclei. International Journal of Modern Physics E, 0, , .	0.4	0
60	Coulomb and nuclear interactions in the dynamics of weakly-bound neutron-halobreakup on heavy target. Chinese Physics C, 0, , .	1.5	2
61	Precision measurement of the ^{43}Ca nuclear magnetic moment. Physical Review A, 2021, 104, .	1.0	0
62	Recent Progress in Gamow Shell Model Calculations of Drip Line Nuclei. Physics, 2021, 3, 977-997.	0.5	7
63	Impact of shell evolution on Gamow-Teller \hat{I}^2 decay from a high-spin long-lived isomer in ^{127}Ag . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136766.	1.5	3
64	Neutron occupancies and single-particle energies across the stable tin isotopes. Physical Review C, 2021, 104, .	1.1	7
65	Precision mass measurement of lightweight self-conjugate nucleus ^{80}Zr . Nature Physics, 2021, 17, 1408-1412.	6.5	10
66	^{43}P and ^{42}Si . Physical Review C, 2021, 104, .	1.1	2
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72	A first glimpse at the shell structure beyond ^{54}Ca : Spectroscopy of ^{55}K , ^{55}Ca , and ^{57}Ca . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136953.	1.5	4

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74	Probing Different Characteristics of Shell Evolution Driven by Central, Spin-Orbit, and Tensor Forces. Physics, 2022, 4, 185-201.	0.5	1
75	Angular momentum projection in the deformed relativistic Hartree-Bogoliubov theory in continuum. Physical Review C, 2021, 104, .	1.1	12
76	Emerging Concepts in Nuclear Structure Based on the Shell Model. Physics, 2022, 4, 258-285.	0.5	7
77	Shell-model calculations of the spectroscopic properties of neutron-rich calcium isotopes around 40,48Ca cores. , 2022, 18, 21-28.		0
78	Cranked Skyrme-Hartree-Fock-Bogoliubov approach for a mean-field description of nuclear rotations near the drip line. Physical Review C, 2022, 105, .	1.1	3
79	Tensor force effect on pairing correlations for the Gamowâ€Teller transition in 42Ca, 46Ti, and 18O. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	2
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84	Electromagnetic moments of scandium isotopes and 28 isotones in the distinctive $0f_{7/2}$ orbit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137064.	1.5	10
85	An experimental view on shape coexistence in nuclei. Progress in Particle and Nuclear Physics, 2022, 124, 103931.	5.6	43
86	$^{-1}$ -wave intruder strengths in $^{-1}$ B. Reaching into the $N = 40$ Island of Inversion with Nucleon Removal Reactions. Physics, 2021, 3, 1226-1236.	1.1	8
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89	Isospin dependent properties of the isotopic chain of Scandium and Titanium nuclei within the relativistic mean-field formalism. Chinese Physics C, 0, , .	1.5	2
90	Reaction mechanism study for multinucleon transfer processes in collisions of spherical and deformed nuclei at energies near and above the Coulomb barrier: The 16 O + 154 Sm react. Physical Microscopic origin of shape coexistence in the $N=90$, $Z=64$ region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137099.	1.1	2
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94	Many-body approach to superfluid nuclei in axial geometry. <i>Physical Review C</i> , 2022, 105, .	1.1	7
95	The Nuclear Shell Model towards the Drip Lines. <i>Physics</i> , 2022, 4, 525-547.	0.5	8
96	Study of nuclear low-lying excitation spectra with the Bayesian neural network approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 830, 137154.	1.5	9
97	Extended triaxial projected shell model approach for odd-neutron nuclei. <i>Physical Review C</i> , 2022, 105, .	1.1	5
98	Single-nucleon energies changing with nucleon number. <i>Physical Review C</i> , 2022, 105, .	1.1	1
99	Relativistic Hartree-Fock model and its recent progress on the description of nuclear structure $\langle \sup \rangle$. <i>Communications in Theoretical Physics</i> , 2022, 74, 097301.	1.1	2
100	Nuclear weak rates and nuclear weak processes in stars. <i>Progress in Particle and Nuclear Physics</i> , 2022, 126, 103974.	5.6	7
101	New isotope $\langle \mathbb{mml:math \rangle$ and odd-even staggering in $\langle \mathbb{mml:math \rangle$ -decay energies for nuclei with $\langle \mathbb{mml:math \rangle$	1.1	17
102	$\langle \mathbb{mml:math \rangle$; Ab initio $\langle \mathbb{mml:math \rangle$; Gamow shell model with chiral three-nucleon force for $\langle \mathbb{mml:math \rangle$; $\langle \mathbb{mml:math \rangle$ isotones. <i>Chinese Science Bulletin</i> , 2022, 67, 4101-4107.	0.4	3
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108	Enhanced moments of inertia for rotation in neutron-rich nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 834, 137458.	1.5	0
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#	Charge Radii of $\langle r \rangle$	IF	CITATIONS
110	Reveal a Surprisingly Similar Behavior at $N=55$ and $N=56$	2.1	9
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113	Density matrix renormalization group description of the island of inversion isotopes F	1.1	4
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119	Crossing $N=28$ Toward the Neutron Drip Line: First Measurement of Half-Lives at FRIB. Physical Review Letters, 2022, 129, .	2.9	12
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123	Beta Decay: Probe for Nuclear Structure and the Weak Interaction. , 2022, , 1-49.		0
124	Model for Collective Vibration. , 2022, , 1-35.		3
125	Neutrinoless double- $\beta\beta$ decay: Combining quantum Monte Carlo and the nuclear shell model with the generalized contact formalism. Physical Review C. 2022. 106. .	1.1	12
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129	<p>Islands of Shape Coexistence: Theoretical Predictions and Experimental Evidence. Symmetry, 2023, 15, 29.</p>	1.1	2
130	<p>The Proxy-SU(3) Symmetry in Atomic Nuclei. Symmetry, 2023, 15, 169.</p>	1.1	5
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132	<p>Quadrupole and Octupole Collectivity in the Semi-Magic nucleus</p>	1.5	1
133	<p>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 838, 137675.</p>	1.1	4
134	<p>Isochronous mass measurements of neutron-deficient nuclei from ^{112}Sn projectile fragmentation. Physical Review C, 2023, 107, .</p>	1.1	4
135	<p>Two-neutrino $\hat{1}2\hat{1}2$ decay of ^{136}Xe to the first excited 0_+ state in ^{136}Ba. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 838, 137689.</p>	1.5	1
136	<p>Roles of Spin-dependent Transitions in Nuclei on Astrophysical Processes in Stars. , 2022, , .</p>		0
137	<p>Green's function knockout formalism. Physical Review C, 2023, 107, .</p>	1.1	7
138	<p>Testing the predictive power of realistic shell model calculations via lifetime measurement of the ^{11}Sb state in ^{131}Sb</p>	1.1	2
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140	<p>Nuclear structure properties of Si and P isotopes with the microscopic effective interactions. Nuclear Physics A, 2023, 1033, 122629.</p>	0.6	2
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143	<p>Configuration Interaction Approach to Atomic Nuclei: The Shell Model. , 2022, , 1-49.</p>		0
144	<p>Ab initio no-core shell-model study of $^{18-24}\text{Ne}$ isotopes. Journal of Physics C: Nuclear and Particle Physics, 2023, 50, 045105.</p>	1.4	3
145	<p>The empirical shell gap revisited in light of recent high precision mass spectrometry data. European Physical Journal A, 2023, 59, .</p>	1.0	0

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147	Optical potentials for the rare-isotope beam era. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2023, 50, 060501.	1.4	11
148	Improved Limits on Lepton-Flavor-Violating Decays of Light Pseudoscalars via Spin-Dependent $\hat{\tau} \rightarrow e \gamma$ Conversion in Nuclei. <i>Physical Review Letters</i> , 2023, 130, .	2.9	4
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150	First spectroscopic study of odd-odd ^{78}Cu . <i>Physical Review C</i> , 2023, 107, .		0
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176	Model for Collective Vibration. , 2023, , 2143-2177.		0
177	Beta Decay of Halo Nuclei. , 2023, , 1057-1080.		0
178	Configuration Interaction Approach to Atomic Nuclei: The Shell Model. , 2023, , 2179-2227.		0
179	Beta Decay: Probe for Nuclear Structure and the Weak Interaction. , 2023, , 349-397.		0
180	Nuclei Near and at the Proton Dripline. , 2023, , 1295-1335.		0
181	Coulomb Breakup and Soft E1 Excitation of Neutron Halo Nuclei. , 2023, , 1205-1241.		0
182	Magic Numbers Off the Stability Line. , 2023, , 1267-1294.		0
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