

Shan-Gui Zhou

List of Publications by Year in descending order

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154
times ranked

1495
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#	ARTICLE	IF	CITATIONS
1	Relativistic continuum Hartree Bogoliubov theory for ground-state properties of exotic nuclei. Progress in Particle and Nuclear Physics, 2006, 57, 470-563.	14.4	845
2	New effective interactions in relativistic mean field theory with nonlinear terms and density-dependent meson-nucleon coupling. Physical Review C, 2004, 69, .	2.9	352
3	Hidden pseudospin and spin symmetries and their origins in atomic nuclei. Physics Reports, 2015, 570, 1-84.	25.6	244
4	Possible existence of multiple chiral doublets in Rh106. Physical Review C, 2006, 73, .	2.9	221
5	Spin Symmetry in the Antinucleon Spectrum. Physical Review Letters, 2003, 91, 262501.	7.8	215
6	Neutron halo in deformed nuclei. Physical Review C, 2010, 82, .	2.9	177
7	Halos in medium-heavy and heavy nuclei with covariant density functional theory in continuum. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 093101.	3.6	165
8	Potential energy surfaces of actinide nuclei from a multidimensional constrained covariant density functional theory: Barrier heights and saddle point shapes. Physical Review C, 2012, 85, .	2.9	161
9	Spherical relativistic Hartree theory in a Woods-Saxon basis. Physical Review C, 2003, 68, .	2.9	158
10	Giant halo at the neutron drip line in Ca isotopes in relativistic continuum Hartree-Bogoliubov theory. Physical Review C, 2002, 65, .	2.9	146
11	Theoretical study of the synthesis of superheavy nuclei with $Z=119$ and $Z=120$ in heavy-ion reactions with trans-uranium targets. Physical Review C, 2012, 85, .	2.9	124
12	Multidimensionally-constrained relativistic mean-field models and potential-energy surfaces of actinide nuclei. Physical Review C, 2014, 89, .	2.9	124
13	Deformed relativistic Hartree-Bogoliubov theory in continuum. Physical Review C, 2012, 85, .	2.9	119
14	Systematic study of spin assignments and signature inversion of π h _{11/2} bands in doubly odd nuclei around $A=130$. Physical Review C, 1996, 54, 719-730.	2.9	111
15	Pseudospin Symmetry in Single Particle Resonant States. Physical Review Letters, 2012, 109, 072501.	7.8	103
16	Quadrupole deformation and hypernuclei in a constrained relativistic mean field model: Shape evolution and shape polarization effect of the Λ hypernuclei. Physical Review C, 2011, 84, .	2.9	100
17	Test of pseudospin symmetry in deformed nuclei. Physical Review C, 2004, 69, .	2.9	99
18	Evidence for Octupole Correlations in Multiple Chiral Doublet Bands. Physical Review Letters, 2016, 116, 112501.	7.8	86

#	ARTICLE	IF	CITATIONS
19	Multidimensionally constrained covariant density functional theoriesâ€”nuclear shapes and potential energy surfaces. <i>Physica Scripta</i> , 2016, 91, 063008.	2.5	81
20	Shape evolution for Sm isotopes in relativistic mean-field theory. <i>European Physical Journal A</i> , 2005, 25, 23-27.	2.5	72
21	Non-Gaussian Fluctuations and Non-Markovian Effects in the Nuclear Fusion Process: Langevin Dynamics Emerging from Quantum Molecular Dynamics Simulations. <i>Physical Review Letters</i> , 2013, 111, 012501.	7.8	69
22	Multidimensionally-constrained relativistic mean-field study of spontaneous fission: Coupling between shape and pairing degrees of freedom. <i>Physical Review C</i> , 2016, 93, .	2.9	68
23	Systematic investigation of the rotational bands in nuclei with $Z < 100$ a particle-number conserving method based on a cranked shell model. <i>Physical Review C</i> , 2012, 85, .	2.9	66
24	Systematic features of signature inversion of $(h_{11/2}p_{i13/2})_n$ bands in doubly odd nuclei around $A \approx 160$. <i>Physical Review C</i> , 1995, 52, 2514-2519.	2.9	65
25	Analytic continuation of single-particle resonance energy and wave function in relativistic mean field theory. <i>Physical Review C</i> , 2004, 70, .	2.9	65
26	Shrunk halo and quenched shell gap at $N = 16$ in 22C: Inversion of sd states and deformation effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 785, 530-535.	4.1	65
27	Observation of Trielectronic Recombination in Be-like Cl Ions. <i>Physical Review Letters</i> , 2003, 91, 043001.	7.8	62
28	Test of spin symmetry in anti-nucleon spectra. <i>European Physical Journal A</i> , 2006, 28, 265-269.	2.5	61
29	Superdeformed hypernuclei within relativistic mean field models. <i>Physical Review C</i> , 2014, 89, .	2.9	60
30	Nuclear mass table in deformed relativistic Hartreeâ€”Bogoliubov theory in continuum, I: Even-even nuclei. <i>Atomic Data and Nuclear Data Tables</i> , 2022, 144, 101488.	2.4	60
31	Real stabilization method for nuclear single-particle resonances. <i>Physical Review C</i> , 2008, 77, .	2.9	56
32	Systematic study of breakup effects on complete fusion at energies above the Coulomb barrier. <i>Physical Review C</i> , 2014, 90, .	2.9	55
33	Nonaxial quadrupole correlations in $N > 32$ isotopes from multidimensional constrained covariant density functional theories. <i>Physical Review C</i> , 2012, 86, .	2.9	54
34	Deformed relativistic Hartree-Bogoliubov theory in continuum with a point-coupling functional: Examples of even-even Nd isotopes. <i>Physical Review C</i> , 2020, 102, .	2.9	53
35	Pseudospin symmetry in single-particle resonances in spherical square wells. <i>Physical Review C</i> , 2013, 88, .	2.9	52
36	Particle-number conserving analysis of rotational bands in $Z = 247$ and $Z = 249$ isotopes and $Z = 247$ isotopes. <i>Physical Review C</i> , 2019, 100, .	2.9	50

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37	Dielectronic Recombination of FexxiiiForming Fexxii: Laboratory Measurements and Theoretical Calculations. <i>Astrophysical Journal</i> , 2006, 642, 1275-1285.	4.5	49
38	Neutron halos in hypernuclei. <i>European Physical Journal A</i> , 2003, 17, 19-24.	2.5	47
39	Microscopic self-consistent description of induced fission dynamics: Finite-temperature effects. <i>Physical Review C</i> , 2019, 99, . New $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Emitting Isotope $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$	2.9	47
40	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ $\langle \text{mml:mathvariant="normal"} \rangle \text{U} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$	7.8	47
41	Odd Systems in Deformed Relativistic Hartree Bogoliubov Theory in Continuum. <i>Chinese Physics Letters</i> , 2012, 29, 042101.	3.3	45
42	Rotational properties of the superheavy nucleus $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle$ $\langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 256 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Rf and its neighboring even-even nuclei in a particle-number-conserving cranked shell model. <i>Physical Review C</i> , 2013, 87, .	2.9	45
43	Multidimensionally constrained relativistic mean-field study of triple-humped barriers in actinides. <i>Physical Review C</i> , 2015, 91, . New Isotope $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Np} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle$	2.9	44
44	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$: Probing the Robustness of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 126 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ Shell	7.8	43
45	A NEW BARRIER PENETRATION FORMULA AND ITS APPLICATION TO $\hat{I} \pm$ -DECAY HALF-LIVES. <i>International Journal of Modern Physics E</i> , 2010, 19, 359-370. Quasifree Neutron Knockout Reaction Reveals a Small $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$	1.0	42
46	-Orbital Component in the Borromean Nucleus $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ $\langle \text{mml:mathvariant="normal"} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$	7.8	42
47	Dissipation dynamics and spin-orbit force in time-dependent Hartree-Fock theory. <i>Physical Review C</i> , 2014, 90, .	2.9	41
48	Spin assignments of yrast bands in odd-odd isotopes $^{118}\hat{I} \pm ^{132}\text{Cs}$. <i>Physical Review C</i> , 1998, 58, 1849-1852.	2.9	39
49	Tetrahedral shapes of neutron-rich Zr isotopes from a multidimensionally constrained relativistic Hartree-Bogoliubov model. <i>Physical Review C</i> , 2017, 95, .	2.9	39
50	Systematics of capture and fusion dynamics in heavy-ion collisions. <i>Atomic Data and Nuclear Data Tables</i> , 2017, 114, 281-370.	2.4	39
51	Surface properties of neutron-rich exotic nuclei within relativistic mean field formalisms. <i>Physical Review C</i> , 2018, 97, .	2.9	39
52	Alpha decay properties of the semi-magic nucleus ^{219}Np . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 777, 212-216.	4.1	39
53	Effect of tensor force on dissipation dynamics in time-dependent Hartree-Fock theory. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1618-1622. $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -decay	5.1	37
54	properties of the new isotope $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle$ $\langle \text{mml:mathvariant="normal"} \rangle \text{U} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$ $\langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 216 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review C</i> , 2015, 91, .	2.9	36

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55	Structure of the new nuclide ^{259}Db and its β^\pm -decay daughter nuclei. <i>Physical Review C</i> , 2002, 65, .	2.9	35
56	Time-dependent generator-coordinate-method study of mass-asymmetric fission of actinides. <i>Physical Review C</i> , 2019, 99, .	2.9	35
57	Study of ground state properties of carbon isotopes with deformed relativistic Hartree-Bogoliubov theory in continuum. <i>Nuclear Physics A</i> , 2020, 1003, 122011.	1.5	35
58	Behavior of one-quasiparticle levels in odd isotonic chains of heavy nuclei. <i>Physical Review C</i> , 2011, 84, .	2.9	34
59	Single-particle resonances in a deformed Dirac equation. <i>Physical Review C</i> , 2010, 81, .	2.9	33
60	Isospin and $Z^{1/3}$ -dependence of the nuclear charge radii. <i>European Physical Journal A</i> , 2002, 13, 285-289.	2.5	32
61	Observation of the Superheavy Nuclide ^{271}Ds . <i>Chinese Physics Letters</i> , 2012, 29, 012502.	3.3	30
62	Short-Lived β^\pm -Emitting Isotope ^{263}Lr . <i>Physical Review Letters</i> , 2015, 115, 082501.	2.9	30
63	Giant halos in relativistic and nonrelativistic approaches. <i>Physical Review C</i> , 2006, 74, .	2.9	28
64	Systematic study of survival probability of excited superheavy nuclei. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 109-113.	5.1	28
65	β^\pm decay of the new neutron-deficient isotope ^{205}Ac . <i>Physical Review C</i> , 2014, 89, .	2.9	27
66	Alpha decay of the new isotope ^{215}U . <i>European Physical Journal A</i> , 2015, 51, 1.	2.5	27
67	Rotating deformed halo nuclei and shape decoupling effects. <i>Science Bulletin</i> , 2021, 66, 2072-2078.	9.0	27
68	Self-consistent methods for structure and production of heavy and superheavy nuclei. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	25
69	Ground state properties and potential energy surfaces of ^{270}Hs from multidimensionally-constrained relativistic mean field model. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	23
70	Properties of strange quark matter objects with two types of surface treatments. <i>Physical Review D</i> , 2016, 93, .	4.7	22
71	Systematic study of suppression of complete fusion in reactions involving weakly bound nuclei at energies above the Coulomb barrier. <i>Physical Review C</i> , 2016, 93, .	2.9	21
72	From strangelets to strange stars: a unified description. <i>Science Bulletin</i> , 2016, 61, 172-177.	9.0	21

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73	Universal description of S-wave meson spectra in a renormalized light-cone QCD-inspired model. Physical Review D, 2002, 66, .	4.7	20
74	Splitting of the Σ^* spectrum in a renormalized light-cone QCD-inspired model. Physical Review D, 2002, 66, .	4.7	20
75	Theoretical study of the two-proton halo candidate ^{17}Ne including contributions from resonant continuum and pairing correlations. European Physical Journal A, 2013, 49, 1.	2.5	20
76	A spherical-box approach for resonances in the presence of the Coulomb interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 245001.	1.5	19
77	Cluster approach to the structure of ^{240}Pu . Physical Review C, 2015, 92, .	2.9	19
78	Strength of pairing interaction for hyperons in multistrangeness hypernuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135533.	4.1	18
79	Relativistic wave functions for single-proton resonant states. European Physical Journal A, 2007, 32, 43-49.	2.5	17
80	Nuclear superfluidity for antimagnetic rotation in ^{105}Cd and ^{106}Cd . Physical Review C, 2013, 87, .	2.9	17
81	Energy dependence of the nucleus-nucleus potential and the friction parameter in fusion reactions. Physical Review C, 2014, 90, .	2.9	16
82	Evolution of octupole correlations in ^{123}Ba . Physical Review C, 2016, 94, .	2.9	16
83	Stable strange quark matter objects with running masses and coupling constant. Nuclear Physics B, 2017, 916, 669-687.	2.5	16
84	Potential energy surfaces of actinide and transfermium nuclei from multi-dimensional constraint covariant density functional theories. EPJ Web of Conferences, 2012, 38, 05003.	0.3	15
85	Time-dependent generator coordinate method study of fission: Mass parameters. Physical Review C, 2020, 101, .	2.9	15
86	Meson spectrum in a non-relativistic model with instanton-induced interaction. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 981-986.	3.6	14
87	Isospin-dependent pairing interaction from nuclear matter calculations. Physical Review C, 2010, 81, .	2.9	14
88	Effects of the Σ^* Meson on the Properties of Hyperon Stars in the Density-dependent Relativistic Mean Field Model. Astrophysical Journal, 2022, 925, 16.	4.5	14
89	Structure and evolution of ^{156}Yb and structure evolutions at large angular momenta in even- Z nuclei. Physical Review C, 2015, 92, .	2.9	13
90	Exponential model with pairing attenuation applied to superdeformed nuclei in the ^{190}Og region. Physical Review C, 1997, 55, 2324-2329.	2.9	12

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91	Giant, hyperon, and deformed halos near the particle drip line. Nuclear Physics A, 2003, 722, C366-C371.	1.5	12
92	Theoretical study of fusion reactions $^{32}\text{S} + ^{94,96}\text{Zr}$ and $^{40}\text{Ca} + ^{94,96}\text{Zr}$ and quadrupole deformation of ^{94}Zr . Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	12
93	New effective interactions for hypernuclei in a density-dependent relativistic mean field model. Physical Review C, 2021, 104, .	2.9	12
94	Angular momentum projection in the deformed relativistic Hartree-Bogoliubov theory in continuum. Physical Review C, 2021, 104, .	2.9	12
95	High-spin states in ^{152}Gd . Physical Review C, 2005, 72, .	2.9	11
96	Incorporating self-consistent single-particle potentials into the microscopic-macroscopic method. European Physical Journal A, 2018, 54, 1.	2.5	11
97	A new isomeric state in ^{218}Pa . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135102.	4.1	11
98	Low-spin signature inversion in. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, 415-420.	3.6	10
99	THE ISOTOPIC AND NUCLEAR ORIENTATION EFFECTS ON THE PRODUCTION OF SUPER-HEAVY ELEMENTS. International Journal of Modern Physics E, 2008, 17, 1937-1944.	1.0	10
100	Effects of $\tilde{\Sigma}$ -meson on the EOS, Maximum Masses, and Radii of Hyperon Stars. Astrophysical Journal, 2019, 885, 25.	4.5	10
101	Toward a deformed relativistic Hartree Bogoliubov model for exotic nuclei. AIP Conference Proceedings, 2006, , .	0.4	9
102	Isospin splitting of the nucleon-nucleus optical potential. Physical Review C, 2009, 80, .	2.9	9
103	New insight into the shape coexistence and shape evolution of ^{157}Yb . Physical Review C, 2011, 83, .	2.9	9
104	CDCC calculations of fusion of ^6Li with targets ^{144}Sm and ^{154}Sm : effect of resonance states. Chinese Physics C, 2017, 41, 124103.	3.7	9
105	Fine structure in the \hat{I}_{\pm} decay of ^{219}U . Physical Review C, 2019, 100, .	2.9	9
106	Supercritically charged objects and electron-positron pair creation. Physical Review D, 2020, 101, .	4.7	9
107	Configuration dependence of moments of inertia in the odd-A-nucleus from BCS theory. Physical Review C, 2001, 63, .	2.9	8
108	Multidimensionally constrained relativistic mean field model and applications in actinide and transfermium nuclei. Physica Scripta, 2014, 89, 054028.	2.5	8

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109	First identification of high-spin states in Ta. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 723-727.	3.6	7
110	Study of the superdeformed nuclei in A = 190 region with the cranking Bohr-Mottelson Hamiltonian. Nuclear Physics A, 1997, 615, 229-244.	1.5	7
111	Multi-dimensional potential energy surfaces and non-axial octupole correlations in actinide and transfermium nuclei from relativistic mean field models. Journal of Physics: Conference Series, 2014, 492, 012014.	0.4	7
112	Analytical description of shape transition in nuclear alternating parity bands. Chinese Physics C, 2018, 42, 124104.	3.7	7
113	Proton magic even-even isotopes and giant halos of Ca isotopes with relativistic continuum Hartree-Bogoliubov theory. Science China: Physics, Mechanics and Astronomy, 2003, 46, 632-658.	5.1	7
114	Neutron halo in deformed nuclei from a relativistic Hartree-Bogoliubov model in a Woods-Saxon basis. Journal of Physics: Conference Series, 2011, 312, 092067.	0.4	6
115	Theoretical study of the capture of stable K39 and neutron-rich radioactive K46 by Ta181. Physical Review C, 2018, 98, .	2.9	6
116	S wave meson spectra from the light cone harmonic oscillator model with a consistent hyperfine interaction. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 983-988.	3.6	5
117	The attribute of rotational profile to the hyperon puzzle in the prediction of heaviest compact star. International Journal of Modern Physics E, 2017, 26, 1750052.	1.0	5
118	Research program of superheavy elements and nuclides based on HIAF. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 112002.	0.4	5
119	Isomeric states in heavy nuclei. Physics of Particles and Nuclei, 2010, 41, 1101-1104.	0.7	4
120	Exact conservation and breaking of pseudospin symmetry in single particle resonant states. , 2013, , .		4
121	Structure of Exotic Nuclei: a Theoretical Review. , 2017, , .		4
122	RECENT PROGRESS IN RELATIVISTIC MANY-BODY APPROACH. International Journal of Modern Physics E, 2006, 15, 1447-1464.	1.0	3
123	Spectroscopy of ^{157}Yb and structure evolutions in odd-A Yb isotopes. Physical Review C, 2013, 87, .	2.9	3
124	Study of the yrast band in the doubly odd ^{156}Tm . Zeitschrift für Physik A, 1995, 352, 115-116.	0.9	2
125	New rotational bands in ^{174}Ta . European Physical Journal A, 1998, 3, 21-23.	2.5	2
126	Relativistic description of exotic nuclei and nuclear matter at extreme conditions. Physics of Atomic Nuclei, 2004, 67, 1619-1626.	0.4	2

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127	Influence of octupole deformation and orientation on the potential energy surface in the di-nuclear system model. Chinese Physics C, 2010, 34, 1615-1621.	3.7	2
128	Equations of Motion for the System of Interest under Time-Dependent Environment. Progress of Theoretical Physics, 2011, 125, 359-374.	2.0	2
129	Halos in a deformed relativistic Hartree-Bogoliubov theory in continuum. , 2012, , .		2
130	Cluster approach to the structure of heavy nuclei. Journal of Physics: Conference Series, 2014, 569, 012056.	0.4	2
131	Study of nuclear dynamical deformation in the synthesis of super-heavy nuclei. Journal of Physics: Conference Series, 2014, 515, 012022.	0.4	2
132	Superheavy nuclei and fission barriers. International Review of Nuclear Physics, 2016, , 171-217.	1.0	2
133	Trielectronic recombination in Be-like ions. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 367-369.	1.4	1
134	COMPARISON OF RELATIVISTIC AND NON-RELATIVISTIC APPROACHES IN HALO. International Journal of Modern Physics E, 2006, 15, 1833-1841.	1.0	1
135	Microscopic and self-consistent description for neutron halo in deformed nuclei. , 2013, , .		1
136	Observation of superheavy nuclide ²⁷¹ Ds based on the Gas-filled separator at IMP. Journal of Physics: Conference Series, 2013, 420, 012005.	0.4	1
137	Rotation and alignment of high-jorbitals in transfermium nuclei. EPJ Web of Conferences, 2014, 66, 02045.	0.3	1
138	Recent progresses on the pseudospin symmetry in single particle resonant states. Journal of Physics: Conference Series, 2014, 533, 012021.	0.4	1
139	Relativistic symmetries in nuclear single-particle spectra. International Review of Nuclear Physics, 2016, , 219-262.	1.0	1
140	Fission barriers from multidimensionally-constrained covariant density functional theories. EPJ Web of Conferences, 2017, 163, 00034.	0.3	1
141	Influence of Properties of Superheavy Nuclei on Their α Decays. Acta Physica Polonica B, 2017, 48, 441.	0.8	1
142	Structure of nuclei far from the stability in relativistic approach. European Physical Journal: Special Topics, 2007, 150, 139-144.	2.6	0
143	Covariant density functional theory and applications in nuclear physics and r-process. EPJ Web of Conferences, 2012, 38, 02001.	0.3	0
144	Covariant density functional theory for exotic nuclei near the neutron drip-line. Journal of Physics: Conference Series, 2013, 413, 012005.	0.4	0

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145	Influence of Shell Structure on Level Densities of Superheavy Nuclei. Acta Physica Polonica B, 2015, 46, 563.	0.8	0
146	Manifestation of cluster effects in the structure of actinides. EPJ Web of Conferences, 2016, 107, 03009.	0.3	0
147	SYSTEMATICAL BEHAVIOR OF BREAKUP EFFECTS ON COMPLETE FUSION AT ENERGIES ABOVE THE COULOMB BARRIER. , 2016, , .		0
148	Relativistic mean field description of exotic nuclei. International Review of Nuclear Physics, 2016, , 83-141.	1.0	0
149	NEW INTERACTIONS, EXOTIC PHENOMENA AND SPIN SYMMETRY FOR ANTI-NUCLEON SPECTRUM IN RELATIVISTIC APPROACH. , 2005, , .		0
150	FUSION MECHANISM AND PRODUCTION CROSS SECTIONS FOR SUPERHEAVY NUCLEI. , 2013, , .		0
151	Fission Barriers from a Multidimensionally Constrained Relativistic Mean Field Model. , 2017, , .		0