Wen-Hui Long

List of Publications by Year
in descending order

62	3,145	236925	161849
papers	**citations**	25	54
		h-index	**g-index**

62	62	62	861
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Relativistic Hartree-Fock-Bogoliubov model for axially deformed nuclei. Physical Review C, 2022, 105, .	2.9	10
2	Relativistic random-phase-approximation description of $M1$ excitations with the inclusion of π mesons. Physical Review C, 2022, 105, .	2.9	3
3	Unified nuclear matter equations of state constrained by the in-medium balance in density-dependent covariant density functionals. Physical Review C, 2022, 105, .	2.9	8
4	Liquid-gas phase transition of thermal nuclear matter and the in-medium balance between nuclear attraction and repulsion. Physical Review C, 2021, 103, .	2.9	9
5	Electric dipole polarizability in neutron-rich Sn isotopes as a probe of nuclear isovector properties. Physical Review C, 2021, 103, .	2.9	11
6	Exploring effects of tensor force and its strength via neutron drops *. Chinese Physics C, 2021, 45, 064103.	3.7	5
7	New magicity $N=32$ and 34 due to strong couplings between Dirac inversion partners. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135524.	4.1	19
8	Self-consistent random-phase approximation based on the relativistic Hartree-Fock theory: Role of π-tensor coupling. Physical Review C, 2020, 101, .	2.9	12
9	Relativistic Hartree-Fock model for axially deformed nuclei. Physical Review C, 2020, 101, .	2.9	21
10	Novel relativistic mean field Lagrangian guided by pseudo-spin symmetry restoration *. Chinese Physics C, 2020, 44, 074107.	3.7	37
11	Towards an ab initio covariant density functional theory for nuclear structure. Progress in Particle and Nuclear Physics, 2019, 109, 103713.	14.4	78
12	Restoration of pseudo-spin symmetry in N = 32 and N = 34 isotones described by relativistic Hartree-Fock theory. Chinese Physics C, 2019, 43, 074107.	3.7	5
13	Pseudospin symmetry restoration and the in-medium balance between nuclear attractive and repulsive interactions. Physical Review C, 2019, 100, .	2.9	15
14	48Si: An atypical nucleus?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 192-197.	4.1	22
15	Quantitative analysis of tensor effects in the relativistic Hartree-Fock theory. Physical Review C, 2018, 98, .	2.9	24
16	K0 S–K0 L asymmetries and CP violation in charmed baryon decays into neutral kaons. Journal of High Energy Physics, 2018, 2018, 1.	4.7	32
17	Hypernuclear stars from relativistic Hartree-Fock density functional theory. European Physical Journal A, 2018, 54, 1.	2.5	38
18	Impact of Fock terms on the isospin properties of nuclear matter. EPJ Web of Conferences, 2016, 117, 07011.	0.3	4

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19	Magicity of neutron-rich nuclei within relativistic self-consistent approaches. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 97-102.	4.1	45
20	Pseudospin-orbit splitting and its consequences for the central depression in nuclear density. Physical Review C, 2016, 93, .	2.9	37
21	Novel triaxial structure in low-lying states of neutron-rich nuclei around<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>≈</mml:mo><mml:mn>100</mml:mn Physical Review C, 2016, 93, .	2.9	23
22	Pairing phase transition: A finite-temperature relativistic Hartree-Fock-Bogoliubov study. Physical Review C, 2015, 92, .	2.9	30
23	Relativistic Hartree-Fock-Bogoliubov predictions of superheavy magic nuclei. Journal of Physics: Conference Series, 2015, 580, 012006.	0.4	1
24	Self-consistent tensor effects on nuclear matter systems within a relativistic Hartree-Fock approach. Physical Review C, 2015, 91, .	2.9	21
25	Covariant density functional analysis of shape evolution in N= 40 isotones. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 045108.	3.6	19
26	Kinetic and potential parts of nuclear symmetry energy: the role of Fock terms. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 095101.	3.6	18
27	Nuclear tensor interaction in a covariant energy density functional. Physical Review C, 2015, 91, .	2.9	39
28	Proton radioactivity described by covariant density functional theory with the similarity renormalization group method. Physical Review C, 2014, 90, .	2.9	27
29	Treating Coulomb exchange contributions in relativistic mean field calculations: why and how. Physica Scripta, 2014, 89, 054008.	2.5	2
30	Superheavy magic nuclei in Relativistic Hartree-Fock-Bogoliubov theory. Journal of Physics: Conference Series, 2014, 533, 012002.	0.4	0
31	Superheavy magic structures in the relativistic Hartree–Fock–Bogoliubov approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 169-173.	4.1	63
32	β-decay half-lives of neutron-rich nuclei and matter flow in the r-process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 172-176.	4.1	133
33	Effect of pairing correlations on nuclear low-energy structure: BCS and general Bogoliubov transformation. Physical Review C, 2013, 88, .	2.9	17
34	Mass and lifetime of unstable nuclei in covariant density functional theory. Physica Scripta, 2013, T154, 014010.	2.5	1
35	Tensor effects on the evolution of the $N=40$ shell gap from nonrelativistic and relativistic mean-field theory. Physical Review C, 2013, 87, .	2.9	37
36	Description of carbon isotopes within relativistic Hartree-Fock-Bogoliubov theory. Physical Review C, 2013, 87, .	2.9	24

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37	Nuclear effective charge factor originating from covariant density functional theory. Physical Review C, 2013, 87, .	2.9	15
38	Odd-even staggering of the nuclear binding energy described by covariant density functional theory with calculations for spherical nuclei. Physical Review C, 2013, 87, .	2.9	24
39	Slater approximation for Coulomb exchange effects in nuclear covariant density functional theory. Physical Review C, 2013, 87, .	2.9	25
40	Covariant density functional theory for exotic nuclei near the neutron drip-line. Journal of Physics: Conference Series, 2013, 413, 012005.	0.4	0
41	SUPERHEAVY MAGIC SHELLS WITHIN RELATIVISTIC HARTREE-FOCK-BOGOLIUBOV THEORY. , 2013, , .		0
42	DESCRIPTIONS OF CARBON ISOTOPES WITHIN DENSITY-DEPENDENT RELATIVISTIC HARTREE-FOCK-BOGOLIUBOV THEORY. , 2013, , .		0
43	NUCLEON-NUCLEON INTERACTION IN DENSITY-DEPENDENT RELATIVISTIC HARTREE-FOCK THEORY. , 2013, , .		0
44	ODD-EVEN MASS STAGGERING DESCRIBED BY RELATIVISTIC HARTREE-FOCK-BOGOLIUBOV THEORY. , 2013, , .		0
45	Hyperon effects in covariant density functional theory and recent astrophysical observations. Physical Review C, 2012, 85, .	2.9	52
46	Nucleus-nucleus interaction between boosted nuclei. Physical Review C, 2011, 83, .	2.9	4
47	Spin symmetry in Dirac negative-energy spectrum in density-dependent relativistic Hartree-Fock theory. European Physical Journal A, 2010, 44, 119-124.	2.5	58
48	Nuclear halo structure and pseudospin symmetry. Physical Review C, 2010, 81, .	2.9	75
49	Relativistic Hartree-Fock-Bogoliubov theory with density dependent meson-nucleon couplings. Physical Review C, 2010, 81, .	2.9	96
50	Non-local mean field effect on nuclei near $Z = 64$ sub-shell. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 428-431.	4.1	58
51	Evolution of nuclear shell structure due to the pion exchange potential. Europhysics Letters, 2008, 82, 12001.	2.0	106
52	Neutron star properties in density-dependent relativistic Hartree-Fock theory. Physical Review C, 2008, 78, .	2.9	66
53	Shell structure and $\ddot{\text{I}}$·tensor correlations in density dependent relativistic Hartree-Fock theory. Physical Review C, 2007, 76, .	2.9	168
54	Structure of nuclei far from the stability in relativistic approach. European Physical Journal: Special Topics, 2007, 150, 139-144.	2.6	0

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55	Pseudo-spin symmetry in density-dependent relativistic Hartree–Fock theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 639, 242-247.	4.1	66
56	Density-dependent relativistic Hartree–Fock approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 640, 150-154.	4.1	205
57	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
58	RECENT PROGRESS IN RELATIVISTIC MANY-BODY APPROACH. International Journal of Modern Physics E, 2006, 15, 1447-1464.	1.0	3
59	NEW INTERACTIONS, EXOTIC PHENOMENA AND SPIN SYMMETRY FOR ANTI-NUCLEON SPECTRUM IN RELATIVISTIC APPROACH. , 2005, , .		0
60	Relativistic description of exotic nuclei and nuclear matter at extreme conditions. Physics of Atomic Nuclei, 2004, 67, 1619-1626.	0.4	2
61	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
62	Structure of the new nuclide ^{259}Db and its α-decay daughter nuclei. Physical Review C, 2002, 65, .	2.9	35