J-N Hu

List of Publications by Year
in descending order

59 papers	**771** citations	516710 **16** h-index	552781 **26** g-index
59 all docs	**59** docs citations	**59** times ranked	**589** citing authors

#	ARTICLE	IF	CITATIONS
1	The Possibility of the Secondary Object in GW190814 as a Neutron Star. Astrophysical Journal, 2020, 904, 39.	4.5	57
2	Effects of Symmetry Energy on the Equation of State for Simulations of Core-collapse Supernovae and Neutron-star Mergers. Astrophysical Journal, 2020, 891, 148.	4.5	55
3	Neutron star equation of state: Quark mean-field (QMF) modeling and applications. Journal of High Energy Astrophysics, 2020, 28, 19-46.	6.7	50
4	Effects of the symmetry energy on properties of neutron star crusts near the neutron drip density. Physical Review C, 2014, 90, .	2.9	44
5	$\Delta(1232)$ effects in density-dependent relativistic Hartree-Fock theory and neutron stars. Physical Review C, 2016, 94, .	2.9	44
6	Relativistic Brueckner–Hartree–Fock Theory for Finite Nuclei. Chinese Physics Letters, 2016, 33, 102103.	3.3	39
7	Green's function method for single-particle resonant states in relativistic mean field theory. Physical Review C, 2014, 90, .	2.9	38
8	Nuclear matter properties with nucleon-nucleon forces up to fifth order in the chiral expansion. Physical Review C, 2017, 96, .	2.9	29
9	Extended quark mean-field model for neutron stars. Physical Review C, 2014, 89, .	2.9	26
10	Relativistic mean-field approach for Λ, Ξ, and Σ hypernuclei. Physical Review C, 2018, 98, .	2.9	25
11	Effects of nuclear symmetry energy and equation of state on neutron star properties. Physical Review C, 2019, 100, .	2.9	25
12	Relativistic description of magnetic moments in nuclei with doubly closed shells plus or minus one nucleon. Physical Review C, 2013, 88, .	2.9	22
13	Influence of Density Dependence of Symmetry Energy in Hot and Dense Matter for Supernova Simulations. Astrophysical Journal, 2019, 887, 110.	4.5	21
14	Effects of symmetry energy on the radius and tidal deformability of neutron stars in the relativistic mean-field model. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	21
15	Hadron-quark mixed phase in the quark-meson coupling model. Physical Review C, 2021, 103, .	2.9	21
16	Relativistic Hartree–Fock model with bare nucleon–nucleon interaction for neutron-rich matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 271-274.	4.1	17
17	Quark mean-field model for single and double Â and Â hypernuclei. Progress of Theoretical and Experimental Physics, 2014, 2014, 13D02-0.	6.6	16
18	Quark mean-field model for nuclear matter with or without bag. Physical Review C, 2019, 99, .	2.9	15

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19	Nonrelativistic nucleon effective masses in nuclear matter: Brueckner-Hartree-Fock model versus relativistic Hartree-Fock model. Physical Review C, 2016, 93, .	2.9	14
20	Symmetry energy of hot nuclei in the relativistic Thomas-Fermi approximation. Physical Review C, 2014, 90, .	2.9	13
21	Hadron-quark Pasta Phase in Massive Neutron Stars. Astrophysical Journal, 2021, 923, 250.	4.5	12
22	Quark mean field model with pion and gluon corrections. Physical Review C, 2016, 94, .	2.9	11
23	Quark mean field model with pion and gluon corrections for Λ and Ξ^0 hypernuclei and neutron stars. Physical Review C, 2017, 95, .	2.9	11
24	Extension of Hartree–Fock theory including tensor correlation in nuclear matter. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	10
25	The charge-dependent Bonn potentials with pseudovector pion-nucleon coupling. Chinese Physics C, 2019, 43, 114107.	3.7	10
26	Properties of Neutron Stars Described by a Relativistic Ab Initio Model. Astrophysical Journal, 2020, 897, 96.	4.5	10
27	The role of the form factor and short-range correlation in the relativistic Hartree-Fock model for nuclear matter. European Physical Journal A, 2010, 43, 323-334.	2.5	9
28	Properties of nuclear matter in relativistic Brueckner–Hartree–Fock model with high-precision charge-dependent potentials. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 105108.	3.6	9
29	Extended relativistic chiral mean field model for nuclear matter. Physical Review C, 2009, 79, .	2.9	8
30	Skyrme-Hartree-Fock plus Tensor Correction for Nuclear Matter. Progress of Theoretical Physics, 2012, 127, 739-749.	2.0	8
31	Bayesian truncation errors in equations of state of nuclear matter with chiral nucleon-nucleon potentials. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134982.	4.1	8
32	Impact of strong magnetic fields on the inner crust of neutron stars. Physical Review C, 2021, 103, .	2.9	8
33	Nuclear pasta and symmetry energy in the relativistic point-coupling model. Physical Review C, 2021, 103, .	2.9	7
34	Effective ΛN from relativistic Brueckner-Hartree-Fock theory. Physical Review C, 2014, 90, .	2.9	6
35	Single-$\Xi^{\ast-}$ hypernuclei within a quark mean-field model. Physical Review C, 2017, 96, .	2.9	6
36	Nuclear pasta in hot and dense matter and its influence on the equation of state for astrophysical simulations. Physical Review C, 2020, 102, .	2.9	6

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37	The Jastrow correlation function method in the relativistic Hartree–Fock model for nuclear matter. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 085105.	3.6	5
38	Single-$\Lambda c+$ hypernuclei within a quark mean-field model. Physical Review C, 2020, 101, .	2.9	5
39	Tensor optimized antisymmetrized molecular dynamics for relativistic nuclear matter. Chinese Journal of Physics, 2017, 55, 28-46.	3.9	4
40	Massive neutron star with strangeness in a relativistic mean-field model with a high-density cutoff. Physical Review C, 2018, 97, .	2.9	4
41	Phase transition in hot Λ hypernuclei within the relativistic Thomas-Fermi approximation. Physical Review C, 2016, 94, .	2.9	3
42	The properties of nuclear matter with lattice NN potential in relativistic Brueckner-Hartree-Fock theory. Scientific Reports, 2016, 6, 35590.	3.3	3
43	Origin of the evolution of spin-orbit and pseudospin-orbit splittings in neutron drops. Physical Review C, 2020, 102, .	2.9	3
44	The Ξ-nuclear potential constrained by recent Ξ^- hypernuclei experiments. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 025104.	3.6	3
45	The nuclear symmetry energy from relativistic Brueckner-Hartree-Fock model *. Chinese Physics C, 2022, 46, 064108.	3.7	3
46	Neutron stars within a relativistic central variational method. Physical Review C, 2017, 95, .	2.9	2
47	Nucleon properties in the Polyakov quark-meson model. Physical Review C, 2018, 97, .	2.9	2
48	The properties of neutron star in the framework of relativistic Hartree–Fock model with unitary correlation operator method. International Journal of Modern Physics E, 2019, 28, 1950094.	1.0	2
49	Role of Form Factor in Relativistic Hartree-Fock Approach for Finite Nuclei. Progress of Theoretical Physics, 2010, 123, 811-823.	2.0	1
50	RELATIVISTIC HARTREE-FOCK MODEL WITH SHORT RANGE CORRELATION IN NUCLEAR MATTER. Modern Physics Letters A, 2010, 25, 2008-2009.	1.2	0
51	Short range correlation in relativistic Hartree-Fock model for infinite nuclear matter. , 2010, , .		0
52	Extended chiral Hartree-Fock model for nuclear matter. , 2011, , .		0
53	The importance of pion and extended Brueckner–Hartree–Fock theory. Progress in Particle and Nuclear Physics, 2012, 67, 511-515.	14.4	0
54	Magnetic moments for nucleus with double-closed core $\pm$ one nucleon. , 2013, , .		0

#	Article	IF	Citations
55	Nuclear moments in covariant density functional theory. Physica Scripta, 2014, 89, 054029.	2.5	0
56	Finite-Size Effects on Equation of State for Supernovae and Neutron Stars. , 2018, , .		0
57	Neutron drop trapped in axially deformed external fields. Nuclear Physics A, 2021, 1014, 122237.	1.5	0
58	BEYOND RELATIVISTIC HARTREE-FOCK MODEL FOR NUCLEAR MATTER. , 2010, , .		0
59	One-pion-exchange potential with contact terms from lattice QCD simulations. Chinese Physics C, 2020, 44, 071002.	3.7	0