Cheng-Jun Xia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31 papers	316 citations	12 h-index	16 g-index
37 ext. papers	442 ext. citations	3.2 avg, IF	4.06 L-index

#	Paper	IF	Citations
31	Quark condensate and chiral symmetry restoration in neutron stars. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2022**, 137121	4.2	0
30	Merging strangeon stars II: the ejecta and light curves. *Research in Astronomy and Astrophysics*, **2021**, 21, 250	1.5	0
29	Nuclear pasta structures and symmetry energy. *Physical Review C*, **2021**, 103,	2.7	3
28	Insights into the pion production mechanism and the symmetry energy at high density. *Physical Review C*, **2021**, 103,	2.7	5
27	Stable Up-Down Quark Matter Nuggets, Quark Star Crusts, and a New Family of White Dwarfs. *Galaxies*, **2021**, 9, 70	2	0
26	Supercritically charged objects and electron-positron pair creation. *Physical Review D*, **2020**, 101,	4.9	3
25	Constraints on the symmetry energy and its associated parameters from nuclei to neutron stars. *Physical Review C*, **2020**, 101,	2.7	23
24	Thermodynamics and susceptibilities of isospin imbalanced QCD matter. *European Physical Journal C*, **2020**, 80, 1	4.2	10
23	Neutron star equation of state: Quark mean-field (QMF) modeling and applications. *Journal of High Energy Astrophysics*, **2020**, 28, 19-46	2.5	31
22	Systematic study on the quark-hadron mixed phase in compact stars. *Physical Review D*, **2020**, 102,	4.9	6
21	Interface effects of strange quark matter **2019**,		2
20	Constraining quark-hadron interface tension in the multimessenger era. *Physical Review D*, **2019**, 99,	4.9	11
19	Strangeness and resonance in compact stars with relativistic-mean-field models. *Physical Review D*, **2019**, 99,	4.9	15
18	Quark Matter and Quark Stars **2018**,		1
17	Color-flavor locked strangelets with confinement and perturbative interactions. *International Journal of Modern Physics E*, **2018**, 27, 1850037	0.7	4
16	Massive neutron stars and hypernuclei in relativistic mean field models. *Chinese Physics C*, **2018**, 42, 025101	2.2	15
15	Relativistic mean-field approach for and hypernuclei. *Physical Review C*, **2018**, 98,	2.7	14

14	Interface effects of strange quark matter with density dependent quark masses. *Physical Review D*, **2018**, 98,	4.9	12
13	Stable strange quark matter objects with running masses and coupling constant. *Nuclear Physics B*, **2017**, 916, 669-687	2.8	14
12	A unified description for strange quark matter objects. *Journal of Physics: Conference Series*, **2017**, 861, 012022	0.3	2
11	Exploring detection of nuclearites in a large liquid scintillator neutrino detector. *Physical Review D*, **2017**, 95,	4.9	2
10	Properties of strange quark matter objects with two types of surface treatments. *Physical Review D* , **2016**, 93,	4.9	20
9	Magnetized strange quark matter in the equivparticle model with both confinement and perturbative interactions. *Nuclear Science and Techniques/Hewuli*, **2016**, 27, 1	2.1	12
8	From strangelets to strange stars: a unified description. *Science Bulletin*, **2016**, 61, 172-177	10.6	20
7	Strange quark matter: From strangelets to strange stars. *Scientia Sinica: Physica, Mechanica Et Astronomica*, **2016**, 46, 012021	1.5	8
6	Magnetized strange quark matter in a mass-density-dependent model. *Chinese Physics C*, **2015**, 39, 015101	2.2	11
5	Properties of strangelets in a new quark mass confinement model with one-gluon-exchange interaction. *Science China: Physics, Mechanics and Astronomy*, **2014**, 57, 1304-1310	3.6	12
4	Properties of strangelets at zero temperature in a new quark mass confinement model. *International Journal of Modern Physics E*, **2014**, 23, 1450013	0.7	4
3	Thermodynamic consistency, quark mass scaling, and properties of strange matter. *Physical Review D*, **2014**, 89,	4.9	38
2	Finite Size Effect on the in-Medium Chiral Condensate at Finite Density. *Chinese Physics Letters*, **2014**, 31, 041101	1.8	
1	Systematic study of survival probability of excited superheavy nuclei. *Science China: Physics, Mechanics and Astronomy*, **2011**, 54, 109-113	3.6	17