

Cheng-Jun Xia

List of Publications by Citations

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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.

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papers

316
citations

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37
ext. papers

442
ext. citations

3.2
avg, IF

4.06
L-index

#	Paper	IF	Citations
31	Thermodynamic consistency, quark mass scaling, and properties of strange matter. <i>Physical Review D</i> , 2014 , 89,	4.9	38
30	Neutron star equation of state: Quark mean-field (QMF) modeling and applications. <i>Journal of High Energy Astrophysics</i> , 2020 , 28, 19-46	2.5	31
29	Constraints on the symmetry energy and its associated parameters from nuclei to neutron stars. <i>Physical Review C</i> , 2020 , 101,	2.7	23
28	Properties of strange quark matter objects with two types of surface treatments. <i>Physical Review D</i> , 2016 , 93,	4.9	20
27	From strangelets to strange stars: a unified description. <i>Science Bulletin</i> , 2016 , 61, 172-177	10.6	20
26	Systematic study of survival probability of excited superheavy nuclei. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 109-113	3.6	17
25	Massive neutron stars and hypernuclei in relativistic mean field models. <i>Chinese Physics C</i> , 2018 , 42, 025101	2.2	15
24	Strangeness and resonance in compact stars with relativistic-mean-field models. <i>Physical Review D</i> , 2019 , 99,	4.9	15
23	Stable strange quark matter objects with running masses and coupling constant. <i>Nuclear Physics B</i> , 2017 , 916, 669-687	2.8	14
22	Relativistic mean-field approach for Λ and Σ hypernuclei. <i>Physical Review C</i> , 2018 , 98,	2.7	14
21	Magnetized strange quark matter in the equivparticle model with both confinement and perturbative interactions. <i>Nuclear Science and Techniques/Hewuli</i> , 2016 , 27, 1	2.1	12
20	Properties of strangelets in a new quark mass confinement model with one-gluon-exchange interaction. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014 , 57, 1304-1310	3.6	12
19	Interface effects of strange quark matter with density dependent quark masses. <i>Physical Review D</i> , 2018 , 98,	4.9	12
18	Constraining quark-hadron interface tension in the multimessenger era. <i>Physical Review D</i> , 2019 , 99,	4.9	11
17	Magnetized strange quark matter in a mass-density-dependent model. <i>Chinese Physics C</i> , 2015 , 39, 015101	10.1	11
16	Thermodynamics and susceptibilities of isospin imbalanced QCD matter. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	10
15	Strange quark matter: From strangelets to strange stars. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2016 , 46, 012021	1.5	8

14	Systematic study on the quark-hadron mixed phase in compact stars. <i>Physical Review D</i> , 2020 , 102,	4.9	6
13	Insights into the pion production mechanism and the symmetry energy at high density. <i>Physical Review C</i> , 2021 , 103,	2.7	5
12	Colorflavor locked strangelets with confinement and perturbative interactions. <i>International Journal of Modern Physics E</i> , 2018 , 27, 1850037	0.7	4
11	Properties of strangelets at zero temperature in a new quark mass confinement model. <i>International Journal of Modern Physics E</i> , 2014 , 23, 1450013	0.7	4
10	Supercritically charged objects and electron-positron pair creation. <i>Physical Review D</i> , 2020 , 101,	4.9	3
9	Nuclear pasta structures and symmetry energy. <i>Physical Review C</i> , 2021 , 103,	2.7	3
8	Interface effects of strange quark matter 2019 ,		2
7	A unified description for strange quark matter objects. <i>Journal of Physics: Conference Series</i> , 2017 , 861, 012022	0.3	2
6	Exploring detection of nuclearites in a large liquid scintillator neutrino detector. <i>Physical Review D</i> , 2017 , 95,	4.9	2
5	Quark Matter and Quark Stars 2018 ,		1
4	Merging strangeon stars II: the ejecta and light curves. <i>Research in Astronomy and Astrophysics</i> , 2021 , 21, 250	1.5	0
3	Stable Up-Down Quark Matter Nuggets, Quark Star Crusts, and a New Family of White Dwarfs. <i>Galaxies</i> , 2021 , 9, 70	2	0
2	Quark condensate and chiral symmetry restoration in neutron stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 137121	4.2	0
1	Finite Size Effect on the in-Medium Chiral Condensate at Finite Density. <i>Chinese Physics Letters</i> , 2014 , 31, 041101	1.8	