

# Ang Li

## List of Publications by Year in descending order

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67  
papers

1,690  
citations

257450

24  
h-index

289244

40  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on interquark interaction parameters with GW170817 in a binary strange star scenario. <i>Physical Review D</i> , 2018, 97, .	4.7	112
2	Neutron Star Equation of State from the Quark Level in Light of GW170817. <i>Astrophysical Journal</i> , 2018, 862, 98.	4.5	85
3	The Allowed Parameter Space of a Long-lived Neutron Star as the Merger Remnant of GW170817. <i>Astrophysical Journal</i> , 2018, 860, 57.	4.5	84
4	Dense matter with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	81
5	FAST RADIO BURSTS AND THEIR GAMMA-RAY OR RADIO AFTERGLOWS AS KERR "NEWMAN BLACK HOLE BINARIES. <i>Astrophysical Journal</i> , 2016, 826, 82.	4.5	80
6	Deconfinement phase transition in hybrid neutron stars from the Brueckner theory with three-body forces and a quark model with chiral mass scaling. <i>Physical Review C</i> , 2008, 77, .	2.9	77
7	Hyperon stars at finite temperature in the Brueckner theory. <i>Physical Review C</i> , 2011, 83, .	2.9	76
8	Too massive neutron stars: The role of dark matter?. <i>Astroparticle Physics</i> , 2012, 37, 70-74.	4.3	70
9	Internal x-ray plateau in short GRBs: Signature of supramassive fast-rotating quark stars?. <i>Physical Review D</i> , 2016, 94, .	4.7	69
10	Effects of dark matter on the nuclear and neutron star matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4893-4903.	4.4	57
11	Hot nuclear matter equation of state with a three-body force. <i>Physical Review C</i> , 2004, 69, .	2.9	50
12	Neutron star equation of state: Quark mean-field (QMF) modeling and applications. <i>Journal of High Energy Astrophysics</i> , 2020, 28, 19-46.	6.7	50
13	$\hat{\rho}$ effects in density-dependent relativistic Hartree-Fock theory and neutron stars. <i>Physical Review C</i> , 2016, 94, .	2.9	44
14	Massive hybrid stars with a first-order phase transition. <i>Physical Review C</i> , 2015, 91, .	2.9	42
15	Constraints on the Maximum Mass of Neutron Stars with a Quark Core from GW170817 and NICER PSR J0030+0451 Data. <i>Astrophysical Journal</i> , 2021, 913, 27.	4.5	42
16	Constraining Hadron-quark Phase Transition Parameters within the Quark-mean-field Model Using Multimessenger Observations of Neutron Stars. <i>Astrophysical Journal</i> , 2020, 904, 103.	4.5	38
17	Strange star candidates revised within a quark model with chiral mass scaling. <i>Research in Astronomy and Astrophysics</i> , 2011, 11, 482-490.	1.7	33
18	New Equations of State for Postmerger Supramassive Quark Stars. <i>Astrophysical Journal</i> , 2017, 844, 41.	4.5	33

#	ARTICLE	IF	CITATIONS
19	Nuclear three-body force effect on a kaon condensate in neutron star matter. <i>Physical Review C</i> , 2004, 70, .	2.9	29
20	STRUCTURES OF THE VELA PULSAR AND THE GLITCH CRISIS FROM THE BRUECKNER THEORY. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 16.	7.7	29
21	Protoneutron stars in the Brueckner-Hartree-Fock approach and finite-temperature kaon condensation. <i>Physical Review C</i> , 2010, 81, .	2.9	27
22	Extended quark mean-field model for neutron stars. <i>Physical Review C</i> , 2014, 89, .	2.9	26
23	Sound velocity in dense stellar matter with strangeness and compact stars *. <i>Chinese Physics C</i> , 2021, 45, 055104.	3.7	26
24	Bayesian Inference of Strange Star Equation of State Using the GW170817 and GW190425 Data. <i>Astrophysical Journal Letters</i> , 2021, 917, L22.	8.3	25
25	Outflows from black hole hyperaccretion systems: short and long-short gamma-ray bursts and $\tilde{\nu}$ -quasi-supernovae <sup>TM</sup> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2173-2182.	4.4	24
26	Relation between gravitational mass and baryonic mass for non-rotating and rapidly rotating neutron stars. <i>Frontiers of Physics</i> , 2020, 15, 1.	5.0	23
27	Microscopic three-body forces and kaon condensation in cold neutrino-trapped matter. <i>Physical Review C</i> , 2006, 74, .	2.9	22
28	Strange stars with different quark mass scalings. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2715-2719.	4.4	22
29	Tensor correlation, pairing interaction, and deformation in Ne isotopes and Ne hypernuclei. <i>Physical Review C</i> , 2013, 87, .	2.9	22
30	Nucleon effective mass in hot dense matter. <i>Physical Review C</i> , 2020, 101, .	2.9	22
31	Delineating effects of tensor force on the density dependence of nuclear symmetry energy. <i>Journal of Physics: Conference Series</i> , 2013, 420, 012090.	0.4	21
32	Effect of three-body interaction on phase transition of hot asymmetric nuclear matter. <i>Nuclear Physics A</i> , 2004, 745, 34-46.	1.5	19
33	Comparison of Gravitational Waves from Central Engines of Gamma-Ray Bursts: Neutrino-dominated Accretion Flows, Blandford-Znajek Mechanisms, and Millisecond Magnetars. <i>Astrophysical Journal</i> , 2017, 850, 30.	4.5	18
34	Comprehensive Analysis of the Tidal Effect in Gravitational Waves and Implication for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 6.	7.7	18
35	R-mode Stability of GW190814's Secondary Component as a Supermassive and Superfast Pulsar. <i>Astrophysical Journal</i> , 2021, 910, 62.	4.5	17
36	Bayesian inference of quark star equation of state using the <i>NICER</i> PSR J0030+0451 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5916-5922.	4.4	17

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37	Quark mean-field model for single and double $\Lambda$ and $\Lambda$ hypernuclei. Progress of Theoretical and Experimental Physics, 2014, 2014, 13D02-0.	6.6	16
38	VERTICAL CONVECTION IN NEUTRINO-DOMINATED ACCRETION FLOWS. Astrophysical Journal, 2015, 805, 37.	4.5	16
39	Quark mean-field model for nuclear matter with or without bag. Physical Review C, 2019, 99, .	2.9	15
40	Nonrelativistic nucleon effective masses in nuclear matter: Brueckner-Hartree-Fock model versus relativistic Hartree-Fock model. Physical Review C, 2016, 93, .	2.9	14
41	Revisiting the hot matter in the center of gamma-ray bursts and supernovae. Astronomy and Astrophysics, 2013, 555, A129.	5.1	13
42	Interacting $u$ and $d$ quark matter at finite densities and quark stars. Physical Review D, 2022, 105, .	4.7	12
43	Effects of the nucleon radius on neutron stars in a quark mean field model. Physical Review C, 2018, 97, .	2.9	10
44	Tidal deformability and gravitational-wave phase evolution of magnetized compact-star binaries. Physical Review D, 2020, 102, .	4.7	9
45	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
46	Glitch Crisis or Not: a Microscopic Study. Chinese Physics Letters, 2015, 32, 079701.	3.3	7
47	EXOTIC PHASES IN NEUTRON STARS. International Journal of Modern Physics E, 2008, 17, 1635-1647.	1.0	6
48	Tensor force and shape evolution of Si isotopes in the Skyrme-Hartree-Fock model. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	5
49	Revisiting the boiling of primordial quark nuggets at nonzero chemical potential. Astroparticle Physics, 2015, 62, 115-121.	4.3	5
50	Progress in nuclear astrophysics of east and southeast Asia. AAPPS Bulletin, 2021, 31, 1.	6.1	5
51	Revisiting the Post-glitch Relaxation of the 2000 Vela Glitch with the Neutron Star Equation of States in the Brueckner and Relativistic Brueckner Theories. Astrophysical Journal, 2021, 923, 108.	4.5	4
52	THE EFFECT OF THE SCALAR-ISOVECTOR MESON FIELD ON HYPERON-RICH NEUTRON STAR MATTER. International Journal of Modern Physics E, 2008, 17, 1293-1307.	1.0	3
53	Deconfinement phase transition in neutron star matter. Chinese Physics C, 2009, 33, 61-63.	3.7	3
54	Note on neutron star equation of state in the light of GW170817. AIP Conference Proceedings, 2019, , .	0.4	2

#	ARTICLE	IF	CITATIONS
55	Publisher's Note: $\hat{\Gamma}^*$ (1232) effects in density-dependent relativistic Hartree-Fock theory and neutron stars [Phys. Rev. C 94, 045803 (2016)]. Physical Review C, 2020, 102, .	2.9	2
56	Can we distinguish quark stars from neutron stars with measurements of global properties?. EPJ Web of Conferences, 2022, 260, 04001.	0.3	2
57	Characteristics of Double Gamma-Ray Bursts. Chinese Physics Letters, 2014, 31, 119801.	3.3	1
58	Nucleosynthesis from neutrino-dominated accretion disks in gamma-ray bursts and its application. EPJ Web of Conferences, 2014, 66, 07015.	0.3	1
59	Pulsar glitch and nuclear EoS: Applicability of superfluid model. Proceedings of the International Astronomical Union, 2017, 13, 360-361.	0.0	1
60	Neon Isotope and Lambda Hypernuclei with the Nijmegen Hyperon Interaction. Few-Body Systems, 2013, 54, 1231-1233.	1.5	0
61	Shape evolution of Ne isotopes and Ne hypernuclei: The interplay of pairing and tensor interactions. EPJ Web of Conferences, 2014, 66, 09010.	0.3	0
62	Rotating NSs/QSs and recent astrophysical observations. Journal of Physics: Conference Series, 2017, 861, 012014.	0.4	0
63	Internal Plateau in Short GRBs and Quark Stars. , 2018, , .		0
64	Publisher's Note: Nonrelativistic nucleon effective masses in nuclear matter: Brueckner-Hartree-Fock model versus relativistic Hartree-Fock model [Phys. Rev. C 93, 015803 (2016)]. Physical Review C, 2020, 102, .	2.9	0
65	Publisher's Note: Internal x-ray plateau in short GRBs: Signature of supramassive fast-rotating quark stars? [Phys. Rev. D 94, 083010 (2016)]. Physical Review D, 2020, 102, .	4.7	0
66	TRANSITION TO QUARK MATTER IN NEUTRON STARS. , 2008, , .		0
67	THE EVOLUTION OF PROTONEUTRON STARS WITH KAON CONDENSATE. , 2011, , .		0