Ren-Xin Xu

List of Publications by Citations

198 papers	2,739 citations	28 h-index	43 g-index
208 ext. papers	3,279 ext. citations	4.2 avg, IF	5.47 L-index

#	Paper	IF	Citations
198	Detection of 107 glitches in 36 southern pulsars. *Monthly Notices of the Royal Astronomical Society*, **2013**, 429, 688-724	4.3	135
197	Solid Quark Stars?. *Astrophysical Journal*, **2003**, 596, L59-L62	4.7	126
196	PSR 0943+10: A Bare Strange Star?. *Astrophysical Journal*, **1999**, 522, L109-L112	4.7	78
195	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 Ray Galactic sources. *Nature*, **2021**, 594, 33-36	50.4	73
194	eXTP: Enhanced X-ray Timing and Polarization mission **2016**,		73
193	Circular polarization in pulsar integrated profiles. *Monthly Notices of the Royal Astronomical Society*, **1998**, 300, 373-387	4.3	72
192	Pulsar Braking Index: A Test of Emission Models?. *Astrophysical Journal*, **2001**, 561, L85-L88	4.7	68
191	The Inner Annular Gap for Pulsar Radiation: -Ray and Radio Emission. *Astrophysical Journal*, **2004**, 606, L49-L52	4.7	63
190	A Thermal Featureless Spectrum: Evidence for Bare Strange Stars?. *Astrophysical Journal*, **2002**, 570, L65-L68	4.7	63
189	Dense matter with eXTP. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1	3.6	59
188	Lennard-Jones quark matter and massive quark stars. *Monthly Notices of the Royal Astronomical Society: Letters*, **2009**, 398, L31-L35	4.3	58
187	No pulsed radio emission during a bursting phase of a Galactic magnetar. *Nature*, **2020**, 587, 63-65	50.4	55
186	Too massive neutron stars: The role of dark matter?. *Astroparticle Physics*, **2012**, 37, 70-74	2.4	50
185	1E 1207.4-5209: a low-mass bare strange star?. *Monthly Notices of the Royal Astronomical Society*, **2005**, 356, 359-370	4.3	50
184	WIND BRAKING OF MAGNETARS. *Astrophysical Journal*, **2013**, 768, 144	4.7	48
183	What if pulsars are born as strange stars?. *Astroparticle Physics*, **2001**, 15, 101-120	2.4	47
182	Diverse polarization angle swings from a repeating fast radio burst source. *Nature*, **2020**, 586, 693-696	50.4	43

181	On the Time□Frequency Downward Drifting of Repeating Fast Radio Bursts. *Astrophysical Journal Letters*, **2019**, 876, L15	7.9	42
180	The superflares of soft ´-ray repeaters: giant quakes in solid quark stars?. *Monthly Notices of the Royal Astronomical Society: Letters*, **2006**, 373, L85-L89	4.3	42
179	A polytropic model of quark stars. *Astroparticle Physics*, **2009**, 31, 128-134	2.4	39
178	A Model for the Challenging "Bi-drifting" Phenomenon in PSR J0815+09. *Astrophysical Journal*, **2004**, 616, L127-L130	4.7	36
177	FRB 121102: A Starquake-induced Repeater?. *Astrophysical Journal*, **2018**, 852, 140	4.7	35
176	AXPs/SGRs: Magnetars or quark-stars?. *Advances in Space Research*, **2007**, 40, 1453-1459	2.4	31
175	An Inverse Compton Scattering Model of Pulsar Emission. III. Polarization. *Astrophysical Journal*, **2000**, 535, 354-364	4.7	31
174	Two types of glitches in a solid quark star model. *Monthly Notices of the Royal Astronomical Society*, **2014**, 443, 2705-2710	4.3	30
173	The annular gap model for □ray emission from young and millisecond pulsars. *Monthly Notices of the Royal Astronomical Society*, **2010**, 406, 2671-2677	4.3	29
172	The braking indices in pulsar emission models. *Astronomy and Astrophysics*, **2003**, 409, 641-645	5.1	29
171	Nature and Nurture: a Model for Soft Gamma-Ray Repeaters. *Astrophysical Journal*, **2000**, 545, L127-L130	4.7	28
170	Re-detection and a possible time variation of soft X-ray polarization from the Crab. *Nature Astronomy*, **2020**, 4, 511-516	12.1	27
169	Measuring neutron star mass and radius with three mass-radius relations. *Monthly Notices of the Royal Astronomical Society*, **2007**, 374, 232-236	4.3	26
168	Is PSR B0943+10 a Low-Mass Quark Star?. *Astrophysical Journal*, **2006**, 649, L95-L98	4.7	26
167	STRUCTURES OF THE VELA PULSAR AND THE GLITCH CRISIS FROM THE BRUECKNER THEORY. *Astrophysical Journal, Supplement Series*, **2016**, 223, 16	8	24
166	The formation of submillisecond pulsars and the possibility of detection. *Monthly Notices of the Royal Astronomical Society*, **2009**, 399, 1587-1596	4.3	23
165	The Birth of Quark Stars: Photon-driven Supernovae?. *Astrophysical Journal*, **2007**, 668, L55-L58	4.7	23
164	A note on the discovery of a 2M?pulsar. *Research in Astronomy and Astrophysics*, **2011**, 11, 687-691	1.5	22

163	SGR 0418+5729: A SMALL INCLINATION ANGLE RESULTING IN A NOT SO LOW DIPOLE MAGNETIC FIELD?. *Astrophysical Journal Letters*, **2012**, 757, L10	7.9	21
162	MAGNETARS: FACT OR FICTION?. *International Journal of Modern Physics E*, **2011**, 20, 15-24	0.7	21
161	Bare' Strange Stars Might Not Be Bare. *Chinese Physics Letters*, **1998**, 15, 934-936	1.8	21
160	What Can the Redshift Observed in EXO 0748676 Tell Us?. *Research in Astronomy and Astrophysics*, **2003**, 3, 33-37		20
159	Strangeons constitute bulk strong matter: Test using GW 170817. *European Physical Journal A*, **2019**, 55, 1	2.5	19
158	H-cluster stars. *Monthly Notices of the Royal Astronomical Society*, **2013**, 431, 3282-3290	4.3	19
157	Strange stars with different quark mass scalings. *Monthly Notices of the Royal Astronomical Society*, **2010**, 402, 2715-2719	4.3	19
156	An Annular Gap Acceleration Model for ray Emission of Pulsars. *Research in Astronomy and Astrophysics*, **2007**, 7, 496-502		19
155	The birth of strange stars and their dynamo-originated magnetic fields. *Astronomy and Astrophysics*, **2001**, 371, 963-972	5.1	19
154	Merging strangeon stars. *Research in Astronomy and Astrophysics*, **2018**, 18, 024	1.5	18
153	ROTATIONAL EVOLUTION OF MAGNETARS IN THE PRESENCE OF A FALLBACK DISK. *Astrophysical Journal*, **2016**, 833, 265	4.7	18
152	The Optical/UV Excess of X-Ray-dim Isolated Neutron Stars. I. Bremsstrahlung Emission from a Strangeon Star Atmosphere. *Astrophysical Journal*, **2017**, 837, 81	4.7	17
151	AN ULTRA-LOW-MASS AND SMALL-RADIUS COMPACT OBJECT IN 4U 1746-37?. *Astrophysical Journal*, **2015**, 798, 56	4.7	17
150	Strange quark stars: observations and speculations. *Journal of Physics G: Nuclear and Particle Physics* , **2009**, 36, 064010	2.9	17
149	GCRT J1745--3009: a precessing radio pulsar?. *Monthly Notices of the Royal Astronomical Society: Letters*, **2006**, 365, L16-L20	4.3	17
148	Observational constraints on the radio and ray emission regions of PSR B1055 2. *Monthly Notices of the Royal Astronomical Society*, **2006**, 366, 945-952	4.3	17
147	An accretion disk model for periodic timing variations of pulsars. *Astronomy and Astrophysics*, **2003**, 407, L25-L28	5.1	17
146	The role of FAST in pulsar timing arrays. *Research in Astronomy and Astrophysics*, **2019**, 19, 020	1.5	16

145	PULSAR WIND MODEL FOR THE SPIN-DOWN BEHAVIOR OF INTERMITTENT PULSARS. *Astrophysical Journal*, **2014**, 788, 16	4.7	16
144	Pulsar slow glitches in a solid quark star model. *Monthly Notices of the Royal Astronomical Society*, **2008**, 384, 1034-1038	4.3	16
143	On the Magnetospheric Origin of Repeating Fast Radio Bursts. *Astrophysical Journal*, **2020**, 899, 109	4.7	16
142	Transport properties of a quark-hadron Coulomb lattice in the cores of neutron stars. *Physical Review D*, **2012**, 86,	4.9	15
141	To probe into pulsar□ interior through gravitational waves. *Astroparticle Physics*, **2006**, 25, 212-219	2.4	15
140	The X-Ray Light Curve in GRB 170714A: Evidence for a Quark Star?. *Astrophysical Journal*, **2018**, 854, 104	4.7	14
139	X-ray flares of □ray bursts: Quakes of solid quark stars? **2009**, 52, 315-320		14
138	NON-DETECTION IN A FERMI /LAT OBSERVATION OF AXP 4U 0142+61: MAGNETARS?. *Astrophysical Journal Letters*, **2010**, 725, L196-L199	7.9	14
137	Probing the neutron star interior and the Equation of State of cold dense matter with the SKA **2015** ,		14
136	Braking PSR J1734□333 with a possible fall-back disk. *Research in Astronomy and Astrophysics*, **2014**, 14, 85-92	1.5	13
135	Absorption features caused by oscillations of electrons on the surface of a quark star. *Physical Review D*, **2012**, 85,	4.9	13
134	ANOMALOUS X-RAY PULSARS AND SOFT GAMMA-RAY REPEATERS IN THE OUTER GAP MODEL: CONFRONTINGFERMIOBSERVATIONS. *Astrophysical Journal*, **2011**, 738, 31	4.7	13
133	The plateau of gamma-ray burst: hint for the solidification of quark matter?. *Science China: Physics, Mechanics and Astronomy*, **2011**, 54, 1541-1545	3.6	13
132	Resonant cyclotron scattering in pulsar magnetospheres and its application to isolated neutron stars. *Research in Astronomy and Astrophysics*, **2010**, 10, 553-568	1.5	13
131	Electric Character of Strange Stars. *Chinese Physics Letters*, **1999**, 16, 778-780	1.8	13
130	The radiation structure of PSR B2016+28 observed with FAST. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1	3.6	12
129	Differentially rotating strange star in general relativity. *Physical Review D*, **2019**, 100,	4.9	11
128	A corresponding-state approach to quark-cluster matter. *Chinese Physics C*, **2014**, 38, 055101	2.2	11

127	The timing behavior of magnetar Swift J1822.3−1606: timing noise or a decreasing period derivative?. *Research in Astronomy and Astrophysics*, **2013**, 13, 1207-1212	1.5	11
126	Toward an understanding of thermal X-ray emission of pulsars. *Astroparticle Physics*, **2011**, 34, 493-502	2.4	11
125	Physics and astrophysics of strong magnetic field systems with eXTP. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1	3.6	10
124	MULTI-FREQUENCY RADIO PROFILES OF PSR B1133+16: RADIATION LOCATION AND PARTICLE ENERGY. *Astrophysical Journal*, **2016**, 816, 76	4.7	10
123	LAMP: a micro-satellite based soft x-ray polarimeter for astrophysics **2015**,		10
122	Magnetospheric activity of bare strange quark stars. *Monthly Notices of the Royal Astronomical Society*, **2011**, 414, 489-494	4.3	10
121	TESTING PULSAR RADIATION MODELS USING AN □WEAK-DEPENDENT ALTITUDE RATIO. *Astrophysical Journal*, **2009**, 703, 507-516	4.7	10
120	ASTRO-QUARK MATTER: A CHALLENGE FACING ASTROPARTICLE PHYSICS. *Modern Physics Letters A* , **2008**, 23, 1629-1642	1.3	10
119	Can the Age Discrepancies of Neutron Stars Be Circumvented by an Accretion-assisted Torque?. *Astrophysical Journal*, **2003**, 596, L75-L78	4.7	10
118	THE EXTREMELY LONG-PERIOD X-RAY SOURCE IN A YOUNG SUPERNOVA REMNANT: A THORNE-□ŻYTKOW OBJECT DESCENDANT?. *Astrophysical Journal*, **2015**, 799, 233	4.7	9
117	Pulsar glitches in a strangeon star model. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 3303-3309	4.3	9
116	OSCILLATION-DRIVEN MAGNETOSPHERIC ACTIVITY IN PULSARS. *Astrophysical Journal*, **2015**, 799, 152	4.7	9
115	Triaxially deformed freely precessing neutron stars: continuous electromagnetic and gravitational radiation. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 1826-1838	4.3	9
114	The Identification of the White Dwarf Companion to the Millisecond Pulsar J2317+1439. *Astrophysical Journal*, **2017**, 842, 105	4.7	8
113	GRAVITATIONAL MICROLENSING BY NEUTRON STARS AND RADIO PULSARS: EVENT RATES, TIMESCALE DISTRIBUTIONS, AND MASS MEASUREMENTS. *Astrophysical Journal*, **2015**, 802, 120	4.7	8
112	An in-depth investigation of 11 pulsars discovered by FAST. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 3515-3530	4.3	8
111	Piggyback search for fast radio bursts using Nanshan 26 m and Kunming 40 m radio telescopes □. Observing and data analysis systems, discovery of a mysterious peryton. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 3957-3971	4.3	8
110	Investigating the multifrequency pulse profiles of PSRs B0329+54 and B1642□03 in an inverse Compton scattering model. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 4389-4398	4.3	8

109	Propagation of strangelets in the Earth's atmosphere. *Journal of Physics G: Nuclear and Particle Physics*, **2007**, 34, 597-605	2.9	8
108	Pulsar kicks and ray burst. *Astronomy and Astrophysics*, **2007**, 472, 1-3	5.1	8
107	Uniformly rotating, axisymmetric, and triaxial quark stars in general relativity. *Physical Review D*, **2018**, 97,	4.9	7
106	Current Flows in Pulsar Magnetospheres. *Research in Astronomy and Astrophysics*, **2006**, 6, 217-226		7
105	How Fast Could a Proto-pulsar Rotate?. *Research in Astronomy and Astrophysics*, **2002**, 2, 533-538		7
104	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR J0622+3749 Observed by LHAASO-KM2A. *Physical Review Letters*, **2021**, 126, 241103	7.4	7
103	Coherent Radio Emission from a Twisted Magnetosphere after a Magnetar-quake. *Astrophysical Journal*, **2019**, 875, 84	4.7	6
102	Simultaneous Constraints on the Mass and Radius of Aql X 1 from Quiescence and X-Ray Burst Observations. *Astrophysical Journal*, **2017**, 845, 8	4.7	6
101	SWIFTJ1749.4 2807: A neutron or quark star?. *Research in Astronomy and Astrophysics*, **2010**, 10, 815-820	1.5	6
100	Astrophysical Quark Matter. *Research in Astronomy and Astrophysics*, **2005**, 5, 353-358		6
99	More Emission Cones: Multi-frequency Simulation of the Pulse Profiles of PSR J0437-4715. *Research in Astronomy and Astrophysics*, **2002**, 2, 361-368		6
98	Evidence for the Photoionization Absorption Edge in a Photospheric Radius Expansion X-Ray Burst from GRS 1747 312 in Terzan 6. *Astrophysical Journal*, **2018**, 866, 53	4.7	6
97	How can FAST improve study of the pulsar emission mechanism and magnetospheric dynamics?. *Research in Astronomy and Astrophysics*, **2019**, 19, 021	1.5	5
96	Pulsar giant pulse: Coherent instability near light cylinder. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1	3.6	5
95	Rotational Evolution of the Slowest Radio Pulsar, PSR J0250+5854. *Astrophysical Journal*, **2019**, 876, 131	4.7	5
94	A solution to the puzzling symbiotic X-ray system 4U 1700+24. *Research in Astronomy and Astrophysics*, **2014**, 14, 617-624	1.5	5
93	CONSTRAINT ON THE PARAMETERS OF THE INVERSE COMPTON SCATTERING MODEL FOR RADIO PULSARS. *Astrophysical Journal*, **2011**, 741, 2	4.7	5
92	Towards the properties of long gamma-ray burst progenitors withSwiftdata. *Monthly Notices of the Royal Astronomical Society*, **2010**, 401, 1465-1474	4.3	5

91	Particle Emission-Dependent Timing Noise of Pulsars. *Chinese Physics Letters*, **2011**, 28, 019701	1.8	5
90	PSR B1828−11: a precession pulsar torqued by a quark planet?. *Monthly Notices of the Royal Astronomical Society: Letters*, **2007**, 381, L1-L5	4.3	5
89	The surface electric field of bare strange stars. *Astronomy and Astrophysics*, **2002**, 387, 710-713	5.1	5
88	What if the neutron star maximum mass is beyond ~2.3 M⊙?. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 4526-4533	4.3	5
87	On the geometry and environment of repeating FRBs. *Monthly Notices of the Royal Astronomical Society*, **2020**, 500, 4678-4684	4.3	5
86	Understanding the X-ray spectrum of anomalous X-ray pulsars and soft gamma-ray repeaters. *Research in Astronomy and Astrophysics*, **2015**, 15, 525-536	1.5	4
85	Revisiting the boiling of primordial quark nuggets at nonzero chemical potential. *Astroparticle Physics*, **2015**, 62, 115-121	2.4	4
84	Spindown of magnetars: quantum vacuum friction?. *Research in Astronomy and Astrophysics*, **2016**, 16, 009	1.5	4
83	Supernova neutrinos in a strangeon star model. *Research in Astronomy and Astrophysics*, **2017**, 17, 092	1.5	4
82	Wind braking of magnetars: To understand magnetars' multiwave radiation properties. *Astronomische Nachrichten*, **2014**, 335, 757-762	0.7	4
81	Differentiating Neutron Star Models by X-Ray Polarimetry. *Chinese Physics Letters*, **2013**, 30, 059501	1.8	4
80	Can eccentric binary millisecond pulsars form by accretion-induced collapse of white dwarfs?. *Monthly Notices of the Royal Astronomical Society*, **2010**, no-no	4.3	4
79	Low bounds for pulsar □ray radiation altitudes. *Monthly Notices of the Royal Astronomical Society*, **2010**, no-no	4.3	4
78	PULSARS: GIGANTIC NUCLEI. *International Journal of Modern Physics E*, **2011**, 20, 149-157	0.7	4
77	Possible evidence that pulsars are quark stars. *AIP Conference Proceedings*, **2008**,	0	4
76	Inner Annular Gap and Related Topics. *Research in Astronomy and Astrophysics*, **2006**, 6, 120-125		4
75	Pulsar glitches in a strangeon star model. II. The activity. *Monthly Notices of the Royal Astronomical Society*, **2020**, 500, 5336-5349	4.3	4
74	FRB 171019: an event of binary neutron star merger?. *Research in Astronomy and Astrophysics*, **2020**, 20, 056	1.5	4

73	On the magnetoionic environments of fast radio bursts. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 355-361	4.3	4
72	Strange Matter: A State before Black Hole **2017**, 119-146		3
71	Supercritically charged objects and electron-positron pair creation. *Physical Review D*, **2020**, 101,	4.9	3
70	Causal propagation of signals in strangeon matter. *Science China: Physics, Mechanics and Astronomy*, **2018**, 61, 1	3.6	3
69	The optical/ultraviolet excess of isolated neutron stars in the resonant cyclotron scattering model. *Research in Astronomy and Astrophysics*, **2011**, 11, 1371-1376	1.5	3
68	RADIATIVE ACTIVITY OF MAGNETIC WHITE DWARF UNDERGOING LORENTZ-FORCE-DRIVEN TORSIONAL VIBRATIONS. *Modern Physics Letters A*, **2011**, 26, 359-366	1.3	3
67	A Further Study of Relative Longitude Shift of Pulsar Beams. *Research in Astronomy and Astrophysics*, **2001**, 1, 152-160		3
66	Coherent Inverse Compton Scattering Responsible for Pulsar Polarized and Unpolarized Emission. *Chinese Physics Letters*, **1999**, 16, 541-543	1.8	3
65	Compressed baryonic matter: from nuclei to pulsars. *Scientia Sinica: Physica, Mechanica Et Astronomica*, **2013**, 43, 1288-1298	1.5	3
64	On the Circular Polarization of Repeating Fast Radio Bursts. *Astrophysical Journal*, **2021**, 920, 46	4.7	3
63	Construction and on-site performance of the LHAASO WFCTA camera. *European Physical Journal C*, **2021**, 81, 1	4.2	3
62	Small glitches: the role of strange nuggets?. *Research in Astronomy and Astrophysics*, **2016**, 16, 010	1.5	3
61	Effect of the symmetry energy on the secondary component of GW190814 as a neutron star. *Physical Review C*, **2021**, 104,	2.7	3
60	Magnetospheric Curvature Radiation by Bunches as Emission Mechanism for Repeating Fast Radio Bursts. *Astrophysical Journal*, **2022**, 927, 105	4.7	3
59	Rotating Quark Stars in General Relativity. *Universe*, **2018**, 4, 48	2.5	2
58	Hurst parameter analysis of radio pulsar timing residuals. *Monthly Notices of the Royal Astronomical Society*, **2011**, 412, 2678-2684	4.3	2
57	PRIMORDIAL STRANGE QUARK MATTER. *International Journal of Modern Physics E*, **2011**, 20, 158-166	0.7	2
56	Pulsars and Quark Stars. *Research in Astronomy and Astrophysics*, **2006**, 6, 279-286		2

55	Solid Bare Strange Quark Stars. *Symposium - International Astronomical Union*, **2004**, 218, 299-302		2
54	Are there real orthogonal polarization modes in pulsar radio emission?. *Science in China Series A: Mathematics*, **2000**, 43, 439-448		2
53	Possible Evidence for Pulsed X-Ray Emission from the Outer Gap in PSR B1937+21. *Astrophysical Journal*, **2002**, 578, 385-390	4.7	2
52	A roadmap to strange star. *Astronomische Nachrichten*, **2021**, 342, 320-325	0.7	2
51	Trinity of strangeon matter **2019**,		1
50	The missing compact star of SN1987A: a solid quark star?. *Monthly Notices of the Royal Astronomical Society*, **2012**, 424, 2994-2998	4.3	1
49	The Short Bursts in SGR 1806−20, 1E 1048.1−5937, and SGR 0501+4516. *Publications of the Astronomical Society of the Pacific*, **2015**, 127, 211-222	5	1
48	THE ANNULAR GAP: GAMMA-RAY & RADIO EMISSION OF PULSARS. *International Journal of Modern Physics Conference Series*, **2013**, 23, 21-26	0.7	1
47	QUARK-CLUSTER STARS: THE STRUCTURE. *International Journal of Modern Physics Conference Series* , **2013**, 23, 213-222	0.7	1
46	On Hoyle-Narlikar-Wheeler mechanism of vibration energy powered magneto-dipole emission of neutron stars. *Astrophysics and Space Science*, **2011**, 334, 155-160	1.6	1
45	Microlensing pulsars. *Monthly Notices of the Royal Astronomical Society*, **2010**, no-no	4.3	1
44	A new parametric equation of state and quark stars. *Chinese Physics C*, **2011**, 35, 616-621	2.2	1
43	QUARK-CLUSTER STARS: HINTS FROM THE SURFACE. *International Journal of Modern Physics Conference Series*, **2012**, 10, 137-146	0.7	1
42	A Geometric Method to Constrain Emission Regions of Pulsars. *Research in Astronomy and Astrophysics*, **2006**, 6, 133-138		1
41	Can the Inner Gap Sparking Take Place in Millisecond Pulsars?. *Research in Astronomy and Astrophysics*, **2003**, 3, 443-452		1
40	A Joint Model for Radio and □ray Emission from Pulsars. *Symposium - International Astronomical Union*, **2003**, 214, 167-170		1
39	Strange Quark Stars □A Review. *Symposium - International Astronomical Union*, **2003**, 214, 191-198		1
38	Exploring Lorentz Invariance Violation from Ultrahigh-Energy □Rays Observed by LHAASO.. *Physical Review Letters*, **2022**, 128, 051102	7.4	1

37	Evidence of X-Ray Plateaus Driven by the Magnetar Spindown Winds in Gamma-Ray Burst Afterglows. *Astrophysical Journal*, **2021**, 922, 102	4.7	1
36	The impact of FAST on the research of fast radio bursts.. *National Science Review*, **2021**, 8, nwab204	10.8	1
35	Constraining the Equation of State of Neutron Stars through GRB X-Ray Plateaus. *Astrophysical Journal*, **2019**, 886, 87	4.7	1
34	The optical/UV excess of X-ray-dim isolated neutron star II. Nonuniformity of plasma on a strangeon star surface. *Research in Astronomy and Astrophysics*, **2018**, 18, 082	1.5	1
33	Constraining mechanism associated with fast radio burst and glitch from SGR J1935. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 2208-2219	4.3	1
32	Simultaneous View of FRB 180301 with FAST and NICER during a Bursting Phase. *Astrophysical Journal*, **2022**, 930, 172	4.7	1
31	Low-Mass Quark Stars **2005**, 179-190		0
30	Merging strangeon stars II: the ejecta and light curves. *Research in Astronomy and Astrophysics*, **2021**, 21, 250	1.5	0
29	Are pulsar giant pulses induced by re-emission of cyclotron resonance absorption?. *Research in Astronomy and Astrophysics*, **2021**, 21, 029	1.5	0
28	Spontaneous magnetization of solid quark-cluster stars. *Chinese Physics C*, **2016**, 40, 095102	2.2	0
27	A dynamic range extension system for LHAASO WCDA-1. *Radiation Detection Technology and Methods*,1	0.7	0
26	Stable Up-Down Quark Matter Nuggets, Quark Star Crusts, and a New Family of White Dwarfs. *Galaxies*, **2021**, 9, 70	2	0
25	Calvera: A Low-mass Strangeon Star Torqued by Debris Disk?. *Astrophysical Journal*, **2018**, 854, 165	4.7	
24	X-ray and optical plateaus following the main bursts in GRBs and SNe II-P: a hint about similar late injection behaviors?. *Research in Astronomy and Astrophysics*, **2013**, 13, 671-679	1.5	
23	Pulsating magneto-dipole radiation of a quaking neutron star powered by energy of Alfvē seismic vibrations. *Research in Astronomy and Astrophysics*, **2011**, 11, 1085-1092	1.5	
22	A 2M? PULSAR: IMPLICATIONS FOR QUARK MATTER. *International Journal of Modern Physics E*, **2011**, 20, 117-124	0.7	
21	Microlensing pulsars. *Proceedings of the International Astronomical Union*, **2012**, 8, 369-371	0.1	
20	The missing compact star of SN1987A: a solid quark star?. *Proceedings of the International Astronomical Union*, **2012**, 8, 448-450	0.1	

19	The spectral energy distributions of isolated neutron stars in the resonant cyclotron scattering model. *Proceedings of the International Astronomical Union*, **2012**, 8, 517-517	0.1
18	What can Fermi tell us about magnetars?. *Proceedings of the International Astronomical Union*, **2012**, 8, 521-523	0.1
17	H-cluster stars. *Proceedings of the International Astronomical Union*, **2012**, 8, 435-437	0.1
16	AXPs & SGRs: Magnetar or Quarctar?. *Proceedings of the International Astronomical Union*, **2012**, 8, 474-476	0.1
15	Is magnetar a fact or fiction to us?. *Proceedings of the International Astronomical Union*, **2012**, 8, 518-520	0.1
14	Toward an Understanding of the Periastron Puzzle of PSR B1259−63. *Research in Astronomy and Astrophysics*, **2006**, 6, 572-578	
13	Monopole-charged Pulsars and Relevant Issues. *Research in Astronomy and Astrophysics*, **2006**, 6, 287-290	
12	A Re-investigation to the Death Line of Radio Pulsars. *Symposium - International Astronomical Union*, **2003**, 214, 171-174	
11	Phase Offset of Rotation-Powered X-ray Pulsars. *Symposium - International Astronomical Union*, **2003**, 214, 224-226	
10	RX J1856.5−3754: A Strange Star with a Solid Quark Surface?. *Symposium - International Astronomical Union*, **2004**, 218, 303-304	
9	Low-Mass Quark Stars. *Astrophysics and Space Science*, **2005**, 297, 179-190	1.6
8	Recent developments of inverse Compton scattering model of pulsar radio emission. *International Astronomical Union Colloquium*, **2000**, 177, 405-408	
7	High-energy accelerators above pulsar polar caps. *International Astronomical Union Colloquium*, **2000**, 177, 479-480	
6	Are Pulsars Bare Strange Stars?. *International Astronomical Union Colloquium*, **2000**, 177, 665-666	
5	Line-of-shower trigger method to lower energy threshold for GRB detection using LHAASO-WCDA. *Radiation Detection Technology and Methods*, **2021**, 5, 531	0.7
4	On the Inverse Compton Scattering Model of Radio Pulsars. *Astrophysics and Space Science Library*, **2000**, 379-384	0.3
3	Bare Strange Quark Stars: Formation and Emission. *Astrophysics and Space Science Library*, **2003**, 73-82	0.3
2	Magnetosphere Structure and the Annular Gap Model of Pulsars. *Thirty Years of Astronomical Discovery With UKIRT*, **2009**, 147-168	0.3

1	Design and Testing of the Front-End Electronics of WCDA in LHAASO. *IEEE Transactions on Nuclear Science*, **2021**, 68, 2257-2267	1.7