

Ren-Xin Xu

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.

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	Exploring Lorentz Invariance Violation from Ultrahigh-Energy γ Rays Observed by LHAASO.. <i>Physical Review Letters</i> , 2022 , 128, 051102	7.4	1
197	Magnetospheric Curvature Radiation by Bunches as Emission Mechanism for Repeating Fast Radio Bursts. <i>Astrophysical Journal</i> , 2022 , 927, 105	4.7	3
196	Simultaneous View of FRB 180301 with FAST and NICER during a Bursting Phase. <i>Astrophysical Journal</i> , 2022 , 930, 172	4.7	1
195	Line-of-shower trigger method to lower energy threshold for GRB detection using LHAASO-WCDA. <i>Radiation Detection Technology and Methods</i> , 2021 , 5, 531	0.7	
194	Evidence of X-Ray Plateaus Driven by the Magnetar Spindown Winds in Gamma-Ray Burst Afterglows. <i>Astrophysical Journal</i> , 2021 , 922, 102	4.7	1
193	The impact of FAST on the research of fast radio bursts.. <i>National Science Review</i> , 2021 , 8, nwab204	10.8	1
192	Merging strangeon stars II: the ejecta and light curves. <i>Research in Astronomy and Astrophysics</i> , 2021 , 21, 250	1.5	0
191	On the Circular Polarization of Repeating Fast Radio Bursts. <i>Astrophysical Journal</i> , 2021 , 920, 46	4.7	3
190	Are pulsar giant pulses induced by re-emission of cyclotron resonance absorption?. <i>Research in Astronomy and Astrophysics</i> , 2021 , 21, 029	1.5	0
189	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 γ -ray Galactic sources. <i>Nature</i> , 2021 , 594, 33-36	50.4	73
188	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR J0622+3749 Observed by LHAASO-KM2A. <i>Physical Review Letters</i> , 2021 , 126, 241103	7.4	7
187	Construction and on-site performance of the LHAASO WFCTA camera. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3
186	A roadmap to strange star. <i>Astronomische Nachrichten</i> , 2021 , 342, 320-325	0.7	2
185	Constraining mechanism associated with fast radio burst and glitch from SGR J1935. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 2208-2219	4.3	1
184	Effect of the symmetry energy on the secondary component of GW190814 as a neutron star. <i>Physical Review C</i> , 2021 , 104,	2.7	3
183	Design and Testing of the Front-End Electronics of WCDA in LHAASO. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 68, 2257-2267	1.7	
182	Stable Up-Down Quark Matter Nuggets, Quark Star Crusts, and a New Family of White Dwarfs. <i>Galaxies</i> , 2021 , 9, 70	2	0

181	No pulsed radio emission during a bursting phase of a Galactic magnetar. <i>Nature</i> , 2020 , 587, 63-65	50.4	55
180	Re-detection and a possible time variation of soft X-ray polarization from the Crab. <i>Nature Astronomy</i> , 2020 , 4, 511-516	12.1	27
179	Supercritically charged objects and electron-positron pair creation. <i>Physical Review D</i> , 2020 , 101,	4.9	3
178	An in-depth investigation of 11 pulsars discovered by FAST. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 3515-3530	4.3	8
177	On the Magnetospheric Origin of Repeating Fast Radio Bursts. <i>Astrophysical Journal</i> , 2020 , 899, 109	4.7	16
176	What if the neutron star maximum mass is beyond $\sim 2.3 M_{\odot}$?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 4526-4533	4.3	5
175	Pulsar glitches in a strangeon star model. II. The activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 5336-5349	4.3	4
174	On the geometry and environment of repeating FRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 4678-4684	4.3	5
173	FRB 171019: an event of binary neutron star merger?. <i>Research in Astronomy and Astrophysics</i> , 2020 , 20, 056	1.5	4
172	Diverse polarization angle swings from a repeating fast radio burst source. <i>Nature</i> , 2020 , 586, 693-696	50.4	43
171	Triaxially deformed freely precessing neutron stars: continuous electromagnetic and gravitational radiation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 1826-1838	4.3	9
170	On the magnetoionic environments of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 355-361	4.3	4
169	Trinity of strangeon matter 2019 ,		1
168	On the Time-Frequency Downward Drifting of Repeating Fast Radio Bursts. <i>Astrophysical Journal Letters</i> , 2019 , 876, L15	7.9	42
167	Strangeons constitute bulk strong matter: Test using GW 170817. <i>European Physical Journal A</i> , 2019 , 55, 1	2.5	19
166	Coherent Radio Emission from a Twisted Magnetosphere after a Magnetar-quake. <i>Astrophysical Journal</i> , 2019 , 875, 84	4.7	6
165	The radiation structure of PSR B2016+28 observed with FAST. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	12
164	Physics and astrophysics of strong magnetic field systems with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	10

163	How can FAST improve study of the pulsar emission mechanism and magnetospheric dynamics?. <i>Research in Astronomy and Astrophysics</i> , 2019 , 19, 021	1.5	5
162	Pulsar giant pulse: Coherent instability near light cylinder. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	5
161	The role of FAST in pulsar timing arrays. <i>Research in Astronomy and Astrophysics</i> , 2019 , 19, 020	1.5	16
160	Differentially rotating strange star in general relativity. <i>Physical Review D</i> , 2019 , 100,	4.9	11
159	Piggyback search for fast radio bursts using Nanshan 26 m and Kunming 40 m radio telescopes II. Observing and data analysis systems, discovery of a mysterious peryton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 3957-3971	4.3	8
158	Rotational Evolution of the Slowest Radio Pulsar, PSR J0250+5854. <i>Astrophysical Journal</i> , 2019 , 876, 131	4.7	5
157	Constraining the Equation of State of Neutron Stars through GRB X-Ray Plateaus. <i>Astrophysical Journal</i> , 2019 , 886, 87	4.7	1
156	Dense matter with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	59
155	The X-Ray Light Curve in GRB 170714A: Evidence for a Quark Star?. <i>Astrophysical Journal</i> , 2018 , 854, 104	4.7	14
154	Merging strangeon stars. <i>Research in Astronomy and Astrophysics</i> , 2018 , 18, 024	1.5	18
153	FRB 121102: A Starquake-induced Repeater?. <i>Astrophysical Journal</i> , 2018 , 852, 140	4.7	35
152	Uniformly rotating, axisymmetric, and triaxial quark stars in general relativity. <i>Physical Review D</i> , 2018 , 97,	4.9	7
151	Causal propagation of signals in strangeon matter. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018 , 61, 1	3.6	3
150	Calvera: A Low-mass Strangeon Star Torqued by Debris Disk?. <i>Astrophysical Journal</i> , 2018 , 854, 165	4.7	
149	Pulsar glitches in a strangeon star model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 3303-3309	4.3	9
148	Rotating Quark Stars in General Relativity. <i>Universe</i> , 2018 , 4, 48	2.5	2
147	The optical/UV excess of X-ray-dim isolated neutron star II. Nonuniformity of plasma on a strangeon star surface. <i>Research in Astronomy and Astrophysics</i> , 2018 , 18, 082	1.5	1
146	Evidence for the Photoionization Absorption Edge in a Photospheric Radius Expansion X-Ray Burst from GRS 1747B12 in Terzan 6. <i>Astrophysical Journal</i> , 2018 , 866, 53	4.7	6

145	The Optical/UV Excess of X-Ray-dim Isolated Neutron Stars. I. Bremsstrahlung Emission from a Strangeon Star Atmosphere. <i>Astrophysical Journal</i> , 2017 , 837, 81	4.7	17
144	The Identification of the White Dwarf Companion to the Millisecond Pulsar J2317+1439. <i>Astrophysical Journal</i> , 2017 , 842, 105	4.7	8
143	Strange Matter: A State before Black Hole 2017 , 119-146		3
142	Simultaneous Constraints on the Mass and Radius of Aql X-1 from Quiescence and X-Ray Burst Observations. <i>Astrophysical Journal</i> , 2017 , 845, 8	4.7	6
141	Investigating the multifrequency pulse profiles of PSRs B0329+54 and B1642-03 in an inverse Compton scattering model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 4389-4398	4.3	8
140	Supernova neutrinos in a strangeon star model. <i>Research in Astronomy and Astrophysics</i> , 2017 , 17, 092	1.5	4
139	MULTI-FREQUENCY RADIO PROFILES OF PSR B1133+16: RADIATION LOCATION AND PARTICLE ENERGY. <i>Astrophysical Journal</i> , 2016 , 816, 76	4.7	10
138	Spindown of magnetars: quantum vacuum friction?. <i>Research in Astronomy and Astrophysics</i> , 2016 , 16, 009	1.5	4
137	Small glitches: the role of strange nuggets?. <i>Research in Astronomy and Astrophysics</i> , 2016 , 16, 010	1.5	3
136	eXTP: Enhanced X-ray Timing and Polarization mission 2016 ,		73
135	Spontaneous magnetization of solid quark-cluster stars. <i>Chinese Physics C</i> , 2016 , 40, 095102	2.2	0
134	ROTATIONAL EVOLUTION OF MAGNETARS IN THE PRESENCE OF A FALLBACK DISK. <i>Astrophysical Journal</i> , 2016 , 833, 265	4.7	18
133	STRUCTURES OF THE VELA PULSAR AND THE GLITCH CRISIS FROM THE BRUECKNER THEORY. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 223, 16	8	24
132	THE EXTREMELY LONG-PERIOD X-RAY SOURCE IN A YOUNG SUPERNOVA REMNANT: A THORNE-ŻYTKOW OBJECT DESCENDANT?. <i>Astrophysical Journal</i> , 2015 , 799, 233	4.7	9
131	AN ULTRA-LOW-MASS AND SMALL-RADIUS COMPACT OBJECT IN 4U 1746-37?. <i>Astrophysical Journal</i> , 2015 , 798, 56	4.7	17
130	GRAVITATIONAL MICROLENSING BY NEUTRON STARS AND RADIO PULSARS: EVENT RATES, TIMESCALE DISTRIBUTIONS, AND MASS MEASUREMENTS. <i>Astrophysical Journal</i> , 2015 , 802, 120	4.7	8
129	Understanding the X-ray spectrum of anomalous X-ray pulsars and soft gamma-ray repeaters. <i>Research in Astronomy and Astrophysics</i> , 2015 , 15, 525-536	1.5	4
128	Revisiting the boiling of primordial quark nuggets at nonzero chemical potential. <i>Astroparticle Physics</i> , 2015 , 62, 115-121	2.4	4

127	The Short Bursts in SGR 180620, 1E 10485937, and SGR 0501+4516. <i>Publications of the Astronomical Society of the Pacific</i> , 2015 , 127, 211-222	5	1
126	LAMP: a micro-satellite based soft x-ray polarimeter for astrophysics 2015 ,		10
125	OSCILLATION-DRIVEN MAGNETOSPHERIC ACTIVITY IN PULSARS. <i>Astrophysical Journal</i> , 2015 , 799, 152	4.7	9
124	Probing the neutron star interior and the Equation of State of cold dense matter with the SKA 2015 ,		14
123	A corresponding-state approach to quark-cluster matter. <i>Chinese Physics C</i> , 2014 , 38, 055101	2.2	11
122	A solution to the puzzling symbiotic X-ray system 4U 1700+24. <i>Research in Astronomy and Astrophysics</i> , 2014 , 14, 617-624	1.5	5
121	Wind braking of magnetars: To understand magnetars' multiwave radiation properties. <i>Astronomische Nachrichten</i> , 2014 , 335, 757-762	0.7	4
120	Two types of glitches in a solid quark star model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 443, 2705-2710	4.3	30
119	Braking PSR J1734-333 with a possible fall-back disk. <i>Research in Astronomy and Astrophysics</i> , 2014 , 14, 85-92	1.5	13
118	PULSAR WIND MODEL FOR THE SPIN-DOWN BEHAVIOR OF INTERMITTENT PULSARS. <i>Astrophysical Journal</i> , 2014 , 788, 16	4.7	16
117	WIND BRAKING OF MAGNETARS. <i>Astrophysical Journal</i> , 2013 , 768, 144	4.7	48
116	Detection of 107 glitches in 36 southern pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 429, 688-724	4.3	135
115	H-cluster stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 431, 3282-3290	4.3	19
114	The timing behavior of magnetar Swift J1822.3-606: timing noise or a decreasing period derivative?. <i>Research in Astronomy and Astrophysics</i> , 2013 , 13, 1207-1212	1.5	11
113	Differentiating Neutron Star Models by X-Ray Polarimetry. <i>Chinese Physics Letters</i> , 2013 , 30, 059501	1.8	4
112	X-ray and optical plateaus following the main bursts in GRBs and SNe II-P: a hint about similar late injection behaviors?. <i>Research in Astronomy and Astrophysics</i> , 2013 , 13, 671-679	1.5	
111	THE ANNULAR GAP: GAMMA-RAY & RADIO EMISSION OF PULSARS. <i>International Journal of Modern Physics Conference Series</i> , 2013 , 23, 21-26	0.7	1
110	QUARK-CLUSTER STARS: THE STRUCTURE. <i>International Journal of Modern Physics Conference Series</i> , 2013 , 23, 213-222	0.7	1

109	Compressed baryonic matter: from nuclei to pulsars. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2013 , 43, 1288-1298	1.5	3
108	The missing compact star of SN1987A: a solid quark star?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 2994-2998	4.3	1
107	Too massive neutron stars: The role of dark matter?. <i>Astroparticle Physics</i> , 2012 , 37, 70-74	2.4	50
106	Absorption features caused by oscillations of electrons on the surface of a quark star. <i>Physical Review D</i> , 2012 , 85,	4.9	13
105	SGR 0418+5729: A SMALL INCLINATION ANGLE RESULTING IN A NOT SO LOW DIPOLE MAGNETIC FIELD?. <i>Astrophysical Journal Letters</i> , 2012 , 757, L10	7.9	21
104	Transport properties of a quark-hadron Coulomb lattice in the cores of neutron stars. <i>Physical Review D</i> , 2012 , 86,	4.9	15
103	QUARK-CLUSTER STARS: HINTS FROM THE SURFACE. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 10, 137-146	0.7	1
102	Microlensing pulsars. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 369-371	0.1	
101	The missing compact star of SN1987A: a solid quark star?. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 448-450	0.1	
100	The spectral energy distributions of isolated neutron stars in the resonant cyclotron scattering model. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 517-517	0.1	
99	What can Fermi tell us about magnetars?. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 521-523	0.1	
98	H-cluster stars. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 435-437	0.1	
97	AXPs & SGRs: Magnetar or Quarctar?. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 474-476	0.1	
96	Is magnetar a fact or fiction to us?. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 518-520	0.1	
95	ANOMALOUS X-RAY PULSARS AND SOFT GAMMA-RAY REPEATERS IN THE OUTER GAP MODEL: CONFRONTING FERMI OBSERVATIONS. <i>Astrophysical Journal</i> , 2011 , 738, 31	4.7	13
94	CONSTRAINT ON THE PARAMETERS OF THE INVERSE COMPTON SCATTERING MODEL FOR RADIO PULSARS. <i>Astrophysical Journal</i> , 2011 , 741, 2	4.7	5
93	Hurst parameter analysis of radio pulsar timing residuals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 412, 2678-2684	4.3	2
92	Magnetospheric activity of bare strange quark stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 414, 489-494	4.3	10

91	On Hoyle-Narlikar-Wheeler mechanism of vibration energy powered magneto-dipole emission of neutron stars. <i>Astrophysics and Space Science</i> , 2011 , 334, 155-160	1.6	1
90	The plateau of gamma-ray burst: hint for the solidification of quark matter?. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 1541-1545	3.6	13
89	Toward an understanding of thermal X-ray emission of pulsars. <i>Astroparticle Physics</i> , 2011 , 34, 493-502	2.4	11
88	The optical/ultraviolet excess of isolated neutron stars in the resonant cyclotron scattering model. <i>Research in Astronomy and Astrophysics</i> , 2011 , 11, 1371-1376	1.5	3
87	Particle Emission-Dependent Timing Noise of Pulsars. <i>Chinese Physics Letters</i> , 2011 , 28, 019701	1.8	5
86	A new parametric equation of state and quark stars. <i>Chinese Physics C</i> , 2011 , 35, 616-621	2.2	1
85	Pulsating magneto-dipole radiation of a quaking neutron star powered by energy of Alfvén seismic vibrations. <i>Research in Astronomy and Astrophysics</i> , 2011 , 11, 1085-1092	1.5	
84	A note on the discovery of a 2M _? pulsar. <i>Research in Astronomy and Astrophysics</i> , 2011 , 11, 687-691	1.5	22
83	A 2M _? PULSAR: IMPLICATIONS FOR QUARK MATTER. <i>International Journal of Modern Physics E</i> , 2011 , 20, 117-124	0.7	
82	MAGNETARS: FACT OR FICTION?. <i>International Journal of Modern Physics E</i> , 2011 , 20, 15-24	0.7	21
81	PRIMORDIAL STRANGE QUARK MATTER. <i>International Journal of Modern Physics E</i> , 2011 , 20, 158-166	0.7	2
80	RADIATIVE ACTIVITY OF MAGNETIC WHITE DWARF UNDERGOING LORENTZ-FORCE-DRIVEN TORSIONAL VIBRATIONS. <i>Modern Physics Letters A</i> , 2011 , 26, 359-366	1.3	3
79	PULSARS: GIGANTIC NUCLEI. <i>International Journal of Modern Physics E</i> , 2011 , 20, 149-157	0.7	4
78	Can eccentric binary millisecond pulsars form by accretion-induced collapse of white dwarfs?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , no-no	4.3	4
77	Towards the properties of long gamma-ray burst progenitors withSwiftdata. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 401, 1465-1474	4.3	5
76	Strange stars with different quark mass scalings. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 402, 2715-2719	4.3	19
75	Low bounds for pulsar Γ -ray radiation altitudes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , no-no	4.3	4
74	The annular gap model for Γ -ray emission from young and millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 406, 2671-2677	4.3	29

73	Microlensing pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , no-no	4.3	1
72	Resonant cyclotron scattering in pulsar magnetospheres and its application to isolated neutron stars. <i>Research in Astronomy and Astrophysics</i> , 2010 , 10, 553-568	1.5	13
71	SWIFTJ1749.4-0807: A neutron or quark star?. <i>Research in Astronomy and Astrophysics</i> , 2010 , 10, 815-820	1.5	6
70	NON-DETECTION IN A FERMI /LAT OBSERVATION OF AXP 4U 0142+61: MAGNETARS?. <i>Astrophysical Journal Letters</i> , 2010 , 725, L196-L199	7.9	14
69	Strange quark stars: observations and speculations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009 , 36, 064010	2.9	17
68	A polytropic model of quark stars. <i>Astroparticle Physics</i> , 2009 , 31, 128-134	2.4	39
67	X-ray flares of $\bar{\nu}$ bursts: Quakes of solid quark stars? 2009 , 52, 315-320		14
66	The formation of submillisecond pulsars and the possibility of detection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 399, 1587-1596	4.3	23
65	Lennard-Jones quark matter and massive quark stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009 , 398, L31-L35	4.3	58
64	TESTING PULSAR RADIATION MODELS USING AN $\bar{\nu}$ DEPENDENT ALTITUDE RATIO. <i>Astrophysical Journal</i> , 2009 , 703, 507-516	4.7	10
63	Magnetosphere Structure and the Annular Gap Model of Pulsars. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2009 , 147-168	0.3	
62	Pulsar slow glitches in a solid quark star model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 384, 1034-1038	4.3	16
61	ASTRO-QUARK MATTER: A CHALLENGE FACING ASTROPARTICLE PHYSICS. <i>Modern Physics Letters A</i> , 2008 , 23, 1629-1642	1.3	10
60	Possible evidence that pulsars are quark stars. <i>AIP Conference Proceedings</i> , 2008 ,	0	4
59	AXPs/SGRs: Magnetars or quark-stars?. <i>Advances in Space Research</i> , 2007 , 40, 1453-1459	2.4	31
58	Measuring neutron star mass and radius with three mass-radius relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 374, 232-236	4.3	26
57	PSR B1828-11: a precession pulsar torqued by a quark planet?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007 , 381, L1-L5	4.3	5
56	An Annular Gap Acceleration Model for $\bar{\nu}$ Emission of Pulsars. <i>Research in Astronomy and Astrophysics</i> , 2007 , 7, 496-502		19

55	Propagation of strangelets in the Earth's atmosphere. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 597-605	2.9	8
54	The Birth of Quark Stars: Photon-driven Supernovae?. <i>Astrophysical Journal</i> , 2007 , 668, L55-L58	4.7	23
53	Pulsar kicks and γ -ray burst. <i>Astronomy and Astrophysics</i> , 2007 , 472, 1-3	5.1	8
52	To probe into pulsar's interior through gravitational waves. <i>Astroparticle Physics</i> , 2006 , 25, 212-219	2.4	15
51	Toward an Understanding of the Periastron Puzzle of PSR B1259-63. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 572-578		
50	Pulsars and Quark Stars. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 279-286		2
49	Current Flows in Pulsar Magnetospheres. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 217-226		7
48	Monopole-charged Pulsars and Relevant Issues. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 287-290		
47	Inner Annular Gap and Related Topics. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 120-125		4
46	A Geometric Method to Constrain Emission Regions of Pulsars. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 133-138		1
45	Is PSR B0943+10 a Low-Mass Quark Star?. <i>Astrophysical Journal</i> , 2006 , 649, L95-L98	4.7	26
44	GCRT J1745-3009: a precessing radio pulsar?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006 , 365, L16-L20	4.3	17
43	The superflares of soft γ -ray repeaters: giant quakes in solid quark stars?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006 , 373, L85-L89	4.3	42
42	Observational constraints on the radio and γ -ray emission regions of PSR B1055-52. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 366, 945-952	4.3	17
41	1E 1207.4-5209: a low-mass bare strange star?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 356, 359-370	4.3	50
40	Low-Mass Quark Stars. <i>Astrophysics and Space Science</i> , 2005 , 297, 179-190	1.6	
39	Astrophysical Quark Matter. <i>Research in Astronomy and Astrophysics</i> , 2005 , 5, 353-358		6
38	Low-Mass Quark Stars 2005 , 179-190		0

37	RX J1856.5-754: A Strange Star with a Solid Quark Surface?. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 303-304		
36	Solid Bare Strange Quark Stars. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 299-302		2
35	A Model for the Challenging "Bi-drifting" Phenomenon in PSR J0815+09. <i>Astrophysical Journal</i> , 2004 , 616, L127-L130	4.7	36
34	The Inner Annular Gap for Pulsar Radiation: -Ray and Radio Emission. <i>Astrophysical Journal</i> , 2004 , 606, L49-L52	4.7	63
33	Can the Inner Gap Sparking Take Place in Millisecond Pulsars?. <i>Research in Astronomy and Astrophysics</i> , 2003 , 3, 443-452		1
32	What Can the Redshift Observed in EXO 0748-76 Tell Us?. <i>Research in Astronomy and Astrophysics</i> , 2003 , 3, 33-37		20
31	Can the Age Discrepancies of Neutron Stars Be Circumvented by an Accretion-assisted Torque?. <i>Astrophysical Journal</i> , 2003 , 596, L75-L78	4.7	10
30	A Joint Model for Radio and -Ray Emission from Pulsars. <i>Symposium - International Astronomical Union</i> , 2003 , 214, 167-170		1
29	A Re-investigation to the Death Line of Radio Pulsars. <i>Symposium - International Astronomical Union</i> , 2003 , 214, 171-174		
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