

Fast radio bursts

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Young magnetars with fracturing crusts as fast radio burst repeaters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 5887-5897.	1.6	29
2	Finding the location of a fast radio burst. <i>Science</i> , 2019, 365, 546-547.	6.0	1
3	A fast radio burst localized to a massive galaxy. <i>Nature</i> , 2019, 572, 352-354.	13.7	252
4	Repeating Fast Radio Bursts from Magnetars with Low Magnetospheric Twist. <i>Astrophysical Journal</i> , 2019, 879, 4.	1.6	91
5	Strong gravitational lensing of explosive transients. <i>Reports on Progress in Physics</i> , 2019, 82, 126901.	8.1	93
6	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. <i>Astrophysical Journal Letters</i> , 2019, 885, L24.	3.0	302
7	Detectability of neutron star White dwarf coalescences by eROSITA and ART-XC. <i>Journal of High Energy Astrophysics</i> , 2019, 24, 1-5.	2.4	5
8	GBTrans: a commensal search for radio pulses with the Green Bank 20-m telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4001-4006.	1.6	6
9	Observational diversity of magnetized neutron stars. <i>Reports on Progress in Physics</i> , 2019, 82, 106901.	8.1	50
10	Fast radio burst dispersion measures and rotation measures and the origin of intergalactic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4220-4238.	1.6	27
11	X marks the spot for fast radio bursts. <i>Nature</i> , 2019, 572, 320-321.	13.7	1
12	Real-Time RFI Mitigation for the Apertif Radio Transient System. , 2019, , .		4
13	A Deep Targeted Search for Fast Radio Bursts from the Sites of Low-redshift Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2019, 887, 252.	1.6	10
14	Synthesising the intrinsic FRB population using frbpoppy. <i>Astronomy and Astrophysics</i> , 2019, 632, A125.	2.1	25
15	A cumulative search for hard X-ray emission associated with fast radio bursts in Fermi/GBM data. <i>Astronomy and Astrophysics</i> , 2019, 631, A62.	2.1	16
16	A Search for Late-time Radio Emission and Fast Radio Bursts from Superluminous Supernovae. <i>Astrophysical Journal</i> , 2019, 886, 24.	1.6	28
17	Fast Radio Bursts from Magnetars Born in Binary Neutron Star Mergers and Accretion Induced Collapse. <i>Astrophysical Journal</i> , 2019, 886, 110.	1.6	96
18	A Search for Gamma-Ray Prompt Emission Associated with the Lorimer Burst FRB 010724. <i>Astrophysical Journal</i> , 2019, 882, 100.	1.6	13

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19	A repeating fast radio burst source localized to a nearby spiral galaxy. <i>Nature</i> , 2020, 577, 190-194.	13.7	297
20	Statistical properties of magnetar bursts and FRB 121102. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1498-1505.	1.6	41
21	Beaming as an explanation of the repetition/width relation in FRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3076-3082.	1.6	30
22	High time resolution and polarization properties of ASKAP-localized fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3335-3350.	1.6	93
23	Detectability of radio afterglows from binary neutron star mergers and implications for fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2384-2390.	1.6	4
24	Redshift estimates for fast radio bursts and implications on intergalactic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4811-4829.	1.6	11
25	Characterizing fast radio bursts through statistical cross-correlations. <i>Physical Review D</i> , 2020, 102, .	1.6	14
26	Looking for MACHOs in the spectra of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 564-580.	1.6	29
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28	Periodic fast radio bursts from forcedly precessing neutron stars, anomalous torque, and internal magnetic field for FRB 180916.J0158+65 and FRB 121102. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1001-1007.	1.6	22
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31	Nonlinear self-focusing in strongly magnetized pair plasma. <i>Physical Review E</i> , 2020, 102, 013211.	0.8	4
32	A quantitative assessment of communicating extra-terrestrial intelligent civilizations in the galaxy and the case of FRB-like signals. <i>Frontiers of Physics</i> , 2020, 15, 1.	2.4	4
33	Diverse polarization angle swings from a repeating fast radio burst source. <i>Nature</i> , 2020, 586, 693-696.	13.7	109
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36	On the magnetoionic environments of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 355-361.	1.6	7

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38	A new method for detecting axion with cylindrical superconductor. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135861.	1.5	6
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40	On the energy and redshift distributions of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 501, 157-167.	1.6	33
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42	No pulsed radio emission during a bursting phase of a Galactic magnetar. Nature, 2020, 587, 63-65.	13.7	101
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53	Gravitational waves from transient neutron star f -mode oscillations. Physical Review D, 2020, 101, .	1.6	26
54	Detecting helium reionization with fast radio bursts. Physical Review D, 2020, 101, .	1.6	26

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56	The Northern Cross fast radio burst project – I. Overview and pilot observations at 408 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1229-1236.	1.6	14
57	Updated constraints on superconducting cosmic strings from the astronomy of fast radio bursts. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	4
58	A Data-driven Technique Using Millisecond Transients to Measure the Milky Way Halo. <i>Astrophysical Journal Letters</i> , 2020, 895, L49.	3.0	20
59	Radiation forces constrain the FRB mechanism. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1217-1228.	1.6	16
60	Persistent Radio Emission from Synchrotron Heating by a Repeating Fast Radio Burst Source in a Nebula. <i>Astrophysical Journal</i> , 2020, 896, 71.	1.6	13
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65	The Fast Radio Burst Luminosity Function and Death Line in the Low-twist Magnetar Model. <i>Astrophysical Journal</i> , 2020, 891, 82.	1.6	43
66	Testing the Hypothesis of a Compact-binary-coalescence Origin of Fast Radio Bursts Using a Multimessenger Approach. <i>Astrophysical Journal Letters</i> , 2020, 891, L39.	3.0	7
67	Radius-to-frequency Mapping and FRB Frequency Drifts. <i>Astrophysical Journal</i> , 2020, 889, 135.	1.6	32
68	Periodic Fast Radio Bursts from Young Neutron Stars. <i>Astrophysical Journal</i> , 2020, 890, 162.	1.6	9
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70	A Dual-band Radio Observation of FRB 121102 with the Deep Space Network and the Detection of Multiple Bursts. <i>Astrophysical Journal Letters</i> , 2020, 897, L4.	3.0	22
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83	Fast radio bursts. <i>Astronomy and Geophysics</i> , 2021, 62, 1.29-1.35.	0.1	8
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85	Electromagnetic bursts from mergers of oscillons in axion-like fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 024-024.	1.9	20
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87	Dispersion measure distributions of fast radio bursts due to the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3664-3669.	1.6	1
88	The 60 pc Environment of FRB 20180916B. <i>Astrophysical Journal Letters</i> , 2021, 908, L12.	3.0	67
89	Reprocessing of a Green Bank 43 m Telescope Survey of Unidentified Bright Radio Sources for Pulsars and Radio Bursts. <i>Research Notes of the AAS</i> , 2021, 5, 21.	0.3	2
90	Accurate precision cosmology with redshift unknown gravitational wave sources. <i>Physical Review D</i> , 2021, 103, .	1.6	79

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92	The physics of fast radio bursts. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	87
93	Fast radio bursts from axion stars moving through pulsar magnetospheres. <i>Physical Review D</i> , 2021, 103, .	1.6	41
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104	Constraining Galaxy Halos from the Dispersion and Scattering of Fast Radio Bursts and Pulsars. <i>Astrophysical Journal</i> , 2021, 911, 102.	1.6	27
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110	FRBs Lensed by Point Masses I. Lens Mass Estimation for Doubly Imaged FRBs. <i>Astrophysical Journal</i> , 2021, 912, 134.	1.6	7
111	Neutron Tunneling: A New Mechanism to Power Explosive Phenomena in Neutron Stars, Magnetars, and Neutron Star Mergers. <i>Astrophysical Journal</i> , 2021, 912, 105.	1.6	1
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118	Coherent Electromagnetic Emission from Relativistic Magnetized Shocks. <i>Physical Review Letters</i> , 2021, 127, 035101.	2.9	33
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123	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.	1.6	8
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125	A High-resolution View of Fast Radio Burst Host Environments. <i>Astrophysical Journal</i> , 2021, 917, 75.	1.6	41
126	Signature of Collective Plasma Effects in Beam-Driven QED Cascades. <i>Physical Review Letters</i> , 2021, 127, 095001.	2.9	13

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128	Electromagnetic counterparts of gravitational-wave signals. <i>Astronomy and Geophysics</i> , 2021, 62, 4.15-4.21.	0.1	2
129	The BINGO project. <i>Astronomy and Astrophysics</i> , 2022, 664, A14.	2.1	25
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139	Searching for TeV Gamma-Ray Emission from SGR 1935+2154 during Its 2020 X-Ray and Radio Bursting Phase. <i>Astrophysical Journal</i> , 2021, 919, 106.	1.6	6
140	Chronicling the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. <i>Astrophysical Journal Letters</i> , 2021, 919, L23.	3.0	45
141	A Bright Fast Radio Burst from FRB 20200120E with Sub-100 Nanosecond Structure. <i>Astrophysical Journal Letters</i> , 2021, 919, L6.	3.0	44
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165	Gamma-Ray and X-Ray Observations of the Periodic-repeater FRB 180916 during Active Phases. <i>Astrophysical Journal Letters</i> , 2020, 893, L42.	3.0	25
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