A single fast radio burst localized to a massive galaxy at

Science 365, 565-570 DOI: 10.1126/science.aaw5903

Citation Report

#	Article	IF	CITATIONS
1	Finding the location of a fast radio burst. Science, 2019, 365, 546-547.	12.6	1
2	A Universal Energy Distribution for FRB 121102. Astrophysical Journal, 2019, 882, 108.	4.5	30
3	The FRB 121102 Host Is Atypical among Nearby Fast Radio Bursts. Astrophysical Journal Letters, 2019, 884, L26.	8.3	28
4	Strong gravitational lensing of explosive transients. Reports on Progress in Physics, 2019, 82, 126901.	20.1	93
5	Use of fast radio burst dispersion measures as distance measures. Physical Review D, 2019, 100, .	4.7	25
6	A Search for Short-term Hard X-Ray Bursts in the Direction of the Repeating FRB 121102. Astrophysical Journal, 2019, 885, 55.	4.5	8
7	A fast radio burst in the direction of the Virgo Cluster. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1-8.	4.4	19
8	A Search of TESS Full-frame Images for a Simultaneous Optical Counterpart to FRB 181228. Astrophysical Journal, 2019, 881, 30.	4.5	14
9	X marks the spot for fast radio bursts. Nature, 2019, 572, 320-321.	27.8	1
10	The low density and magnetization of a massive galaxy halo exposed by a fast radio burst. Science, 2019, 366, 231-234.	12.6	204
11	The Physical Origins of the Identified and Still Missing Components of the Warm–Hot Intergalactic Medium: Insights from Deep Surveys in the Field of Blazar 1ES1553+113. Astrophysical Journal Letters, 2019, 884, L31.	8.3	26
12	Strong Excess Faraday Rotation on the Inside of the Sagittarius Spiral Arm. Astrophysical Journal Letters, 2019, 887, L7.	8.3	24
13	A Deep Targeted Search for Fast Radio Bursts from the Sites of Low-redshift Short Gamma-Ray Bursts. Astrophysical Journal, 2019, 887, 252.	4.5	10
14	Synthesising the intrinsic FRB population using frbpoppy. Astronomy and Astrophysics, 2019, 632, A125.	5.1	25
15	Gamma-ray counterparts of radio astrophysical sources. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 004-004.	5.4	2
16	Estimates of Fast Radio Burst Dispersion Measures from Cosmological Simulations. Astrophysical Journal, 2019, 886, 135.	4.5	26
17	Faint Repetitions from a Bright Fast Radio Burst Source. Astrophysical Journal Letters, 2019, 887, L30.	8.3	94
18	A cumulative search for hard X/ <i>Ĵ³</i> -ray emission associated with fast radio bursts in <i>Fermi</i> /GBM data. Astronomy and Astrophysics, 2019, 631, A62.	5.1	16

TATION REPO

#	Article	IF	CITATIONS
19	Probing diffuse gas with fast radio bursts. Physical Review D, 2019, 100, .	4.7	25
20	Fast Radio Bursts from Magnetars Born in Binary Neutron Star Mergers and Accretion Induced Collapse. Astrophysical Journal, 2019, 886, 110.	4.5	96
21	A Search for Gamma-Ray Prompt Emission Associated with the Lorimer Burst FRB 010724. Astrophysical Journal, 2019, 882, 100.	4.5	13
22	Not all fast radio bursts are created equal. Nature, 2020, 577, 176-177.	27.8	1
23	A repeating fast radio burst source localized to a nearby spiral galaxy. Nature, 2020, 577, 190-194.	27.8	297
24	Statistical properties of magnetar bursts and FRB 121102. Monthly Notices of the Royal Astronomical Society, 2020, 491, 1498-1505.	4.4	41
25	Beaming as an explanation of the repetition/width relation in FRBs. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3076-3082.	4.4	30
26	High time resolution and polarization properties of ASKAP-localized fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3335-3350.	4.4	93
27	Detectability of radio afterglows from binary neutron star mergers and implications for fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2384-2390.	4.4	4
28	Redshift estimates for fast radio bursts and implications on intergalactic magnetic fields. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4811-4829.	4.4	11
29	Radio emission from a decade old Type I superluminous supernova, PTF10hgi: comparison with FRB121102. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3863-3869.	4.4	17
30	The Multiwavelength Counterparts of Fast Radio Bursts. Astrophysical Journal, 2020, 897, 146.	4.5	26
31	FRB 171019: an event of binary neutron star merger?. Research in Astronomy and Astrophysics, 2020, 20, 056.	1.7	6
32	Looking for MACHOs in the spectra of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 496, 564-580.	4.4	29
33	Parkes Transient Events. I. Database of Single Pulses, Initial Results, and Missing Fast Radio Bursts. Astrophysical Journal, Supplement Series, 2020, 249, 14.	7.7	7
34	Is GRB 110715A the Progenitor of FRB 171209?. Astrophysical Journal Letters, 2020, 894, L22.	8.3	12
35	Periodic fast radio bursts from forcedly precessing neutron stars, anomalous torque, and internal magnetic field for FRB 180916.J0158+65 and FRB 121102. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1001-1007.	4.4	22
36	A bright, high rotation-measure FRB that skewers the M33 halo. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4716-4724.	4.4	27

#	Article	IF	CITATIONS
37	The capability of the Australian Square Kilometre Array Pathfinder to detect prompt radio bursts from neutron star mergers. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	4
38	Fast radio bursts to be detected with the Square Kilometre Array. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4107-4116.	4.4	27
39	Magnetism Science with the Square Kilometre Array. Galaxies, 2020, 8, 53.	3.0	41
40	Limits on absorption from a 332-MHz survey for fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4418-4427.	4.4	9
41	Observing superluminous supernovae and long gamma-ray bursts as potential birthplaces of repeating fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5170-5180.	4.4	6
42	Constraints on the engines of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4627-4644.	4.4	59
43	Detection of 15 bursts from the fast radio burstÂ180916.J0158+65 with the upgraded Giant Metrewave Radio Telescope. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L16-L20.	3.3	26
44	No redshift evolution of non-repeating fast radio burst rates. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3927-3945.	4.4	27
45	A Global Fireball Observatory. Planetary and Space Science, 2020, 191, 105036.	1.7	31
46	What does FRB light-curve variability tell us about the emission mechanism?. Monthly Notices of the Royal Astronomical Society, 2020, 498, 651-664.	4.4	31
47	A population analysis of pulse broadening in ASKAP fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1382-1390.	4.4	35
48	A unified picture of Galactic and cosmological fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1397-1405.	4.4	134
49	On the magnetoionic environments of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 499, 355-361.	4.4	7
50	Constraining a neutron star merger origin for localized fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3131-3141.	4.4	20
51	On the energy and redshift distributions of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 501, 157-167.	4.4	33
52	The physical mechanisms of fast radio bursts. Nature, 2020, 587, 45-53.	27.8	183
53	A bright millisecond-duration radio burst from a Galactic magnetar. Nature, 2020, 587, 54-58.	27.8	418
54	A fast radio burst associated with a Galactic magnetar. Nature, 2020, 587, 59-62.	27.8	417

#	Article	IF	CITATIONS
55	Periodicity in recurrent fast radio bursts and the origin of ultralong period magnetars. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3390-3401.	4.4	68
56	Implications of Canadian Hydrogen Intensity Mapping Experiment repeating fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1973-1982.	4.4	23
57	Dark photon dark matter and fast radio bursts. European Physical Journal C, 2020, 80, 1.	3.9	6
58	A new era of radio transients. Astronomy and Geophysics, 2020, 61, 5.12-5.17.	0.2	1
59	Luminosity–duration relations and luminosity functions of repeating and non-repeating fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2886-2904.	4.4	26
60	The Host Galaxies and Progenitors of Fast Radio Bursts Localized with the Australian Square Kilometre Array Pathfinder. Astrophysical Journal Letters, 2020, 895, L37.	8.3	113
61	A dispersion excess from pulsar wind nebulae and supernova remnants: Implications for pulsars and FRBs. Astronomy and Astrophysics, 2020, 634, A105.	5.1	2
62	FRB coherent emission from decay of Alfvén waves. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2385-2395.	4.4	66
63	A census of baryons in the Universe from localized fast radio bursts. Nature, 2020, 581, 391-395.	27.8	341
64	Measurement of the Rate Distribution of the Population of Repeating Fast Radio Bursts: Implications for Progenitor Models. Astrophysical Journal Letters, 2020, 895, L22.	8.3	8
65	Which bright fast radio bursts repeat?. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2416-2427.	4.4	33
66	Fast Radio Burst Counterparts and Their Implications for the Central Engine. Astrophysical Journal, 2020, 892, 135.	4.5	16
67	A New Method to Measure Hubble Parameter H(z) Using Fast Radio Bursts. Astrophysical Journal, 2020, 895, 33.	4.5	33
68	The Northern Cross fast radio burst project – I. Overview and pilot observations at 408ÂMHz. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1229-1236.	4.4	14
69	A Data-driven Technique Using Millisecond Transients to Measure the Milky Way Halo. Astrophysical Journal Letters, 2020, 895, L49.	8.3	20
70	Radiation forces constrain the FRB mechanism. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1217-1228.	4.4	16
71	Spectropolarimetric Properties of Swift J1818.0–1607: A 1.4 s Radio Magnetar. Astrophysical Journal Letters, 2020, 896, L37.	8.3	33
72	Possible periodic activity in the repeating FRB 121102. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3551-3558.	4.4	165

#	Article	IF	CITATIONS
73	Persistent Radio Emission from Synchrotron Heating by a Repeating Fast Radio Burst Source in a Nebula. Astrophysical Journal, 2020, 896, 71.	4.5	13
74	Stimulated emission–based model of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 494, 876-884.	4.4	2
75	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. Astrophysical Journal Letters, 2020, 891, L38.	8.3	82
76	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. Astrophysical Journal Letters, 2020, 891, L6.	8.3	178
77	Fast Radio Bursts from Interacting Binary Neutron Star Systems. Astrophysical Journal Letters, 2020, 890, L24.	8.3	48
78	Fast Radio Bursts from Activity of Neutron Stars Newborn in BNS Mergers: Offset, Birth Rate, and Observational Properties. Astrophysical Journal, 2020, 891, 72.	4.5	47
79	The Fast Radio Burst Luminosity Function and Death Line in the Low-twist Magnetar Model. Astrophysical Journal, 2020, 891, 82.	4.5	43
80	Fast Radio Bursts as Strong Waves Interacting with the Ambient Medium. Astrophysical Journal Letters, 2020, 892, L10.	8.3	17
81	The Nearby Luminous Transient AT2018cow: A Magnetar Formed in a Subrelativistically Expanding Nonjetted Explosion. Astrophysical Journal Letters, 2020, 888, L24.	8.3	30
82	Testing the Hypothesis of a Compact-binary-coalescence Origin of Fast Radio Bursts Using a Multimessenger Approach. Astrophysical Journal Letters, 2020, 891, L39.	8.3	7
83	Radius-to-frequency Mapping and FRB Frequency Drifts. Astrophysical Journal, 2020, 889, 135.	4.5	32
84	Periodic Fast Radio Bursts from Young Neutron Stars. Astrophysical Journal, 2020, 890, 162.	4.5	9
85	Blast Waves from Magnetar Flares and Fast Radio Bursts. Astrophysical Journal, 2020, 896, 142.	4.5	121
86	A Dual-band Radio Observation of FRB 121102 with the Deep Space Network and the Detection of Multiple Bursts. Astrophysical Journal Letters, 2020, 897, L4.	8.3	22
87	The impact of the environment of white dwarf mergers on fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3753-3762.	4.4	5
88	Are fast radio bursts made by neutron stars?. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 494, L64-L68.	3.3	31
89	STARE2: Detecting Fast Radio Bursts in the Milky Way. Publications of the Astronomical Society of the Pacific, 2020, 132, 034202.	3.1	37
90	The Effects of Plasma Lensing on the Inferred Dispersion Measures of Fast Radiobursts. Astrophysical Journal, 2020, 889, 158.	4.5	17

#	Article	IF	CITATIONS
91	Upgraded antennas for pulsar observations in the Argentine Institute of Radio astronomy. Astronomy and Astrophysics, 2020, 633, A84.	5.1	10
92	Explanation of detailed spectral properties of fast radio bursts by the axion star model. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	5
93	Reconstructing the fraction of baryons in the intergalactic medium with fast radio bursts via Gaussian processes. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 023-023.	5.4	12
94	Cosmology with gravitationally lensed repeating fast radio bursts. Astronomy and Astrophysics, 2021, 645, A44.	5.1	27
95	Unexpected circular radio objects at high Galactic latitude. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	29
96	A Synoptic VLBI Technique for Localizing Nonrepeating Fast Radio Bursts with CHIME/FRB. Astronomical Journal, 2021, 161, 81.	4.7	20
97	Astrometric accuracy of snapshot fast radio burst localisations with ASKAP. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
98	A comparison between repeating bursts of FRB 121102 and giant pulses from Crab pulsar and its applications. Frontiers of Physics, 2021, 16, 1.	5.0	13
99	Deep Optical Observations Contemporaneous with Emission from the Periodic FRB 180916.J0158+65. Astrophysical Journal Letters, 2021, 907, L3.	8.3	18
100	Constraining the fast radio burst properties using the joint distributions of dispersion measure and fluence of the events detected at Parkes, ASKAP, CHIME, and UTMOST. Monthly Notices of the Royal Astronomical Society, 2021, 502, 904-914.	4.4	2
101	Fast radio bursts. Astronomy and Geophysics, 2021, 62, 1.29-1.35.	0.2	8
102	An X-ray burst from a magnetar enlightening the mechanism of fast radio bursts. Nature Astronomy, 2021, 5, 401-407.	10.1	104
103	Exploring the epoch of hydrogen reionization using FRBs. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5134-5146.	4.4	21
104	The 60 pc Environment of FRB 20180916B. Astrophysical Journal Letters, 2021, 908, L12.	8.3	67
105	Rotation Measure Evolution of the Repeating Fast Radio Burst Source FRB 121102. Astrophysical Journal Letters, 2021, 908, L10.	8.3	80
106	The physics of fast radio bursts. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	87
107	Dispersion and Rotation Measures from the Ejecta of Compact Binary Mergers: Clue to the Progenitors of Fast Radio Bursts. Astrophysical Journal, 2021, 907, 111.	4.5	19
108	Multiwavelength Observations of Fast Radio Bursts. Universe, 2021, 7, 76.	2.5	20

#	Article	IF	CITATIONS
109	Testing fundamental physics with astrophysical transients. Frontiers of Physics, 2021, 16, 1.	5.0	26
110	Probing the Universe with Fast Radio Bursts. Universe, 2021, 7, 85.	2.5	16
111	Plasma effects in electron-beam-driven QED cascades. , 2021, , .		0
112	A deep study of the high–energy transient sky. Experimental Astronomy, 2021, 51, 1203-1223.	3.7	5
113	Late-time Radio and Millimeter Observations of Superluminous Supernovae and Long Gamma-Ray Bursts: Implications for Central Engines, Fast Radio Bursts, and Obscured Star Formation. Astrophysical Journal, 2021, 912, 21.	4.5	18
114	Probabilistic Association of Transients to their Hosts (PATH). Astrophysical Journal, 2021, 911, 95.	4.5	32
115	Effect of redshift distributions of fast radio bursts on cosmological constraints. Physical Review D, 2021, 103, .	4.7	8
116	Reconstruction of reionization history through dispersion measurements of fast radio bursts. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 050.	5.4	3
117	Fast radio burst dispersion measure distribution as a probe of helium reionization. Physical Review D, 2021, 103, .	4.7	14
118	Multiwavelength Follow-up of FRB180309. Astrophysical Journal, 2021, 913, 78.	4.5	2
119	Robust Assessment of Clustering Methods for Fast Radio Transient Candidates. Astrophysical Journal, 2021, 914, 53.	4.5	3
120	The cosmic dispersion measure in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5356-5369.	4.4	5
121	The evolution of binary neutron star post-merger remnants: a review. General Relativity and Gravitation, 2021, 53, 1.	2.0	50
122	Implications of the lowest frequency detection of the persistent counterpart of FRB121102. Astronomy and Astrophysics, 2021, 655, A102.	5.1	9
123	Model-independent Estimation of H ₀ and Ω _K from Strongly Lensed Fast Radio Bursts. Astrophysical Journal, 2021, 916, 70.	4.5	9
124	A High-resolution View of Fast Radio Burst Host Environments. Astrophysical Journal, 2021, 917, 75.	4.5	41
125	Signature of Collective Plasma Effects in Beam-Driven QED Cascades. Physical Review Letters, 2021, 127, 095001.	7.8	13
126	81 New candidate fast radio bursts in Parkes archive. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3238-3245.	4.4	8

#	Article	IF	CITATIONS
127	Do the Periodic Activities of Repeating Fast Radio Bursts Represent the Spins of Neutron Stars?. Astrophysical Journal, 2021, 917, 2.	4.5	11
128	Dynamical Formation Channels for Fast Radio Bursts in Globular Clusters. Astrophysical Journal Letters, 2021, 917, L11.	8.3	26
129	Free–free absorption in hot relativistic flows: application to fast radio bursts. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 508, L48-L52.	3.3	5
130	Periodic Activities of Repeating Fast Radio Bursts from Be/X-Ray Binary Systems. Astrophysical Journal Letters, 2021, 918, L5.	8.3	26
131	A maximum likelihood estimate of the parameters of the FRB population. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	3.3	4
132	Constraining bright optical counterparts of fast radio bursts. Astronomy and Astrophysics, 2021, 653, A119.	5.1	10
133	Chronicling the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. Astrophysical Journal Letters, 2021, 919, L23.	8.3	45
134	A Bright Fast Radio Burst from FRB 20200120E with Sub-100 Nanosecond Structure. Astrophysical Journal Letters, 2021, 919, L6.	8.3	44
135	Intergalactic Medium Dispersion Measures of Fast Radio Bursts Estimated from IllustrisTNG Simulation and Their Cosmological Applications. Astrophysical Journal, 2021, 906, 49.	4.5	26
136	A Search for Hard X-Ray Bursts Occurring Simultaneously with Fast Radio Bursts in the Repeating FRB 121102. Astrophysical Journal, 2021, 907, 25.	4.5	1
137	The Dispersion Measure and Scattering of Fast Radio Bursts: Contributions from the Intergalactic Medium, Foreground Halos, and Hosts. Astrophysical Journal, 2021, 906, 95.	4.5	11
138	Localized Fast Radio Bursts Are Consistent with Magnetar Progenitors Formed in Core-collapse Supernovae. Astrophysical Journal Letters, 2021, 907, L31.	8.3	28
139	A search for prompt <i>γ</i> -ray counterparts to fast radio bursts in the Insight-HXMT data. Astronomy and Astrophysics, 2020, 637, A69.	5.1	20
140	A search for supernova-like optical counterparts to ASKAP-localised fast radio bursts. Astronomy and Astrophysics, 2020, 639, A119.	5.1	12
141	Constraining the transient high-energy activity of FRB 180916.J0158+65 with Insight–HXMT follow-up observations. Astronomy and Astrophysics, 2020, 642, A160.	5.1	9
142	Cosmic anisotropy and fast radio bursts. Classical and Quantum Gravity, 2020, 37, 185022.	4.0	12
143	Combined limit on the photon mass with nine localized fast radio bursts. Research in Astronomy and Astrophysics, 2020, 20, 206.	1.7	7
144	Wave effects in the microlensing of pulsars and FRBs by point masses. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4956-4969.	4.4	23

#	Article	IF	CITATIONS
145	Repeating behaviour of FRB 121102: periodicity, waiting times, and energy distribution. Monthly Notices of the Royal Astronomical Society, 2020, 500, 448-463.	4.4	109
146	Extremely band-limited repetition from a fast radio burst source. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2525-2531.	4.4	51
147	The dynamic magnetosphere of Swift J1818.0–1607. Monthly Notices of the Royal Astronomical Society, 2021, 502, 127-139.	4.4	18
148	The fast radio burst dispersion measure distribution. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5319-5329.	4.4	18
149	Cosmology-insensitive estimate of IGM baryon mass fraction from five localized fast radio bursts. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L28-L32.	3.3	38
150	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. Astrophysical Journal, 2020, 890, 111.	4.5	20
151	The Galactic Halo Contribution to the Dispersion Measure of Extragalactic Fast Radio Bursts. Astrophysical Journal, 2020, 888, 105.	4.5	45
152	Magnetars from Neutron Star–White Dwarf Mergers: Application to Fast Radio Bursts. Astrophysical Journal, 2020, 893, 9.	4.5	20
153	The Rarity of Repeating Fast Radio Bursts from Binary Neutron Star Mergers. Astrophysical Journal, 2020, 893, 44.	4.5	7
154	Are Persistent Emission Luminosity and Rotation Measure of Fast Radio Bursts Related?. Astrophysical Journal, 2020, 895, 7.	4.5	14
155	Wandering Massive Black Holes or Analogs of the First Repeating Fast Radio Burst?. Astrophysical Journal, 2020, 895, 98.	4.5	11
156	On the Magnetospheric Origin of Repeating Fast Radio Bursts. Astrophysical Journal, 2020, 899, 109.	4.5	31
157	A Distant Fast Radio Burst Associated with Its Host Galaxy by the Very Large Array. Astrophysical Journal, 2020, 899, 161.	4.5	62
158	First Constraints on Compact Dark Matter from Fast Radio Burst Microstructure. Astrophysical Journal, 2020, 900, 122.	4.5	15
159	Population Modeling of Fast Radio Bursts from Source Properties. Astrophysical Journal, 2020, 899, 124.	4.5	4
160	Dispersion Measures of Fast Radio Burst Host Galaxies Derived from IllustrisTNG Simulation. Astrophysical Journal, 2020, 900, 170.	4.5	27
161	Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB â^1/4 180916.J0158+65. Astrophysical Journal, 2020, 901, 165.	4.5	38
162	Host Galaxy Properties and Offset Distributions of Fast Radio Bursts: Implications for Their Progenitors. Astrophysical Journal, 2020, 903, 152.	4.5	148

#	Article	IF	CITATIONS
163	Cosmological Parameter Estimation for Dynamical Dark Energy Models with Future Fast Radio Burst Observations. Astrophysical Journal, 2020, 903, 83.	4.5	30
164	First Discovery of a Fast Radio Burst at 350 MHz by the GBNCC Survey. Astrophysical Journal, 2020, 904, 92.	4.5	21
165	Detection of Repeating FRB 180916.J0158+65 Down to Frequencies of 300 MHz. Astrophysical Journal Letters, 2020, 896, L41.	8.3	70
166	A Comparative Study of Host Galaxy Properties between Fast Radio Bursts and Stellar Transients. Astrophysical Journal Letters, 2020, 899, L6.	8.3	45
167	Implications of a Fast Radio Burst from a Galactic Magnetar. Astrophysical Journal Letters, 2020, 899, L27.	8.3	106
168	Limits on Precursor and Afterglow Radio Emission from a Fast Radio Burst in a Star-forming Galaxy. Astrophysical Journal Letters, 2020, 901, L20.	8.3	40
169	Pair Separation in Parallel Electric Field in Magnetar Magnetosphere and Narrow Spectra of Fast Radio Bursts. Astrophysical Journal Letters, 2020, 901, L13.	8.3	40
170	Neutrino Counterparts of Fast Radio Bursts. Astrophysical Journal Letters, 2020, 902, L22.	8.3	11
171	Double-peaked Pulse Profile of FRB 200428: Synchrotron Maser Emission from Magnetized Shocks Encountering a Density Jump. Astrophysical Journal Letters, 2020, 904, L5.	8.3	14
172	Multiwavelength Radio Observations of Two Repeating Fast Radio Burst Sources: FRBÂ121102 and FRBÂ180916.J0158+65. Astrophysical Journal Letters, 2020, 905, L27.	8.3	20
173	The fast radio burst population evolves, consistent with the star formation rate. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 510, L18-L23.	3.3	39
174	The <i>z</i> –DM distribution of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4775-4802.	4.4	52
175	An Arecibo Search for Fast Radio Transients from M87. Astrophysical Journal, 2021, 920, 16.	4.5	1
176	Polarization Pipeline for Fast Radio Bursts Detected by CHIME/FRB. Astrophysical Journal, 2021, 920, 138.	4.5	15
177	On the Circular Polarization of Repeating Fast Radio Bursts. Astrophysical Journal, 2021, 920, 46.	4.5	9
178	The host galaxies and progenitors of Fast Radio Burst. , 2020, , .		0
179	Search for fast radio transients using Arecibo drift-scan observations at 1.4ÂGHz. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1929-1939.	4.4	2
180	Joint inference on the redshift distribution of fast radio burst and on the intergalactic baryon content. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2

#	Article	IF	CITATIONS
181	Galactic and cosmological fast radio bursts as scaled-up solar radio bursts. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3155-3161.	4.4	11
182	Real-time data analysis model at LHC and connections to other experiments and fields. EPJ Web of Conferences, 2020, 245, 11005.	0.3	0
183	The Remnant of Neutron Star-White Dwarf Merger and the Repeating Fast Radio Bursts. International Journal of Astronomy and Astrophysics, 2020, 10, 28-38.	0.5	4
184	Combinations of Standard Pings and Standard Candles: An Effective and Hubble Constant-free Probe of Dark Energy Evolution. Astrophysical Journal, 2020, 901, 130.	4.5	2
185	CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure. Astrophysical Journal, 2021, 922, 42.	4.5	40
186	A Decade and a Half of Fast Radio Burst Observations. Universe, 2021, 7, 453.	2.5	21
187	Dissecting the Local Environment of FRB 190608 in the Spiral Arm of its Host Galaxy. Astrophysical Journal, 2021, 922, 173.	4.5	31
188	Apertif: Phased array feeds for the Westerbork Synthesis Radio Telescope. Astronomy and Astrophysics, 2022, 658, A146.	5.1	26
189	Estimating the Contribution of Foreground Halos to the FRB 180924 Dispersion Measure. Astrophysical Journal, 2021, 921, 134.	4.5	7
190	A new measurement of the Hubble constant using fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2022, 511, 662-667.	4.4	31
191	The CHIME Fast Radio Burst Population Does Not Track the Star Formation History of the Universe. Astrophysical Journal Letters, 2022, 924, L14.	8.3	19
192	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. Astronomical Journal, 2022, 163, 69.	4.7	91
193	Propagation Effects in the FRB 20121102A Spectra. Astrophysical Journal, 2022, 925, 109.	4.5	3
194	Localizing FRBs through VLBI with the Algonquin Radio Observatory 10 m Telescope. Astronomical Journal, 2022, 163, 65.	4.7	12
195	A forecast of using fast radio burst observations to constrain holographic dark energy. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 006.	5.4	12
196	Implications of a rapidly varying FRB in a globular cluster of M81. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1867-1879.	4.4	31
197	Faraday depolarization and induced circular polarization by multipath propagation with application to FRBs. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4654-4668.	4.4	37
198	No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution. Astrophysical Journal, 2021, 923, 2.	4.5	20

#	Article	IF	CITATIONS
199	Probing cosmology and gastrophysics with fast radio bursts:Âcross-correlations of dark matter haloes and cosmic dispersion measures. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1730-1750.	4.4	8
200	Fast Radio Bursts as Crustal Dynamical Events Induced by Magnetic Field Evolution in Young Magnetars. Research in Astronomy and Astrophysics, 2022, 22, 035004.	1.7	2
201	FRB 121102: Drastic changes in the burst polarization contrasts with the stability of the persistent emission. Monthly Notices of the Royal Astronomical Society, 2022, 511, 6033-6041.	4.4	21
202	Linking Extragalactic Transients and Their Host Galaxy Properties: Transient Sample, Multiwavelength Host Identification, and Database Construction. Astrophysical Journal, Supplement Series, 2022, 259, 13.	7.7	6
203	On the Fast Radio Burst and Persistent Radio Source Populations. Astrophysical Journal, 2022, 927, 55.	4.5	19
204	Constraining the Cosmic Baryon Distribution with Fast Radio Burst Foreground Mapping. Astrophysical Journal, 2022, 928, 9.	4.5	16
205	Search for correlations between host properties and DM _{host} of fast radio bursts: constraints on the baryon mass fraction in IGM *. Chinese Physics C, 2022, 46, 075102.	3.7	1
206	Low-cost Access to the Deep, High-cadence Sky: the Argus Optical Array. Publications of the Astronomical Society of the Pacific, 2022, 134, 035003.	3.1	9
207	Circularly polarized radio emission from the repeating fast radio burst source FRB 20201124A. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3400-3413.	4.4	34
208	An 8Âper cent determination of the Hubble constant from localized fast radio bursts. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 515, L1-L5.	3.3	31
209	Milliarcsecond Localization of the Repeating FRB 20201124A. Astrophysical Journal Letters, 2022, 927, L3.	8.3	28
210	Data from 14,577 cosmological objects and 14 FRBs confirm the predictions of new tired light (NTL) and lead to a new model of the IGM. Journal of Physics: Conference Series, 2022, 2197, 012003.	0.4	2
211	Upper limits on Einstein's weak equivalence principle placed by uncertainties of dispersion measures of fast radio bursts. Physical Review D, 2021, 104, .	4.7	4
212	Collective plasma effects of electron–positron pairs in beam-driven QED cascades. Physics of Plasmas, 2022, 29, .	1.9	5
213	Simultaneous View of FRB 180301 with FAST and NICER during a Bursting Phase. Astrophysical Journal, 2022, 930, 172.	4.5	5
214	Redshift Estimation and Constraints on Intergalactic and Interstellar Media from Dispersion and Scattering of Fast Radio Bursts. Astrophysical Journal, 2022, 931, 88.	4.5	15
215	Constraints on the Helium Abundance from Fast Radio Bursts. Universe, 2022, 8, 317.	2.5	1
216	A MeerKAT, e-MERLIN, H.E.S.S., and <i>Swift</i> search for persistent and transient emission associated with three localized FRBs. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1365-1379.	4.4	4

#	Article	IF	Citations
217	The technological and scientific development of ASKAP. , 2022, , .		1
218	What It Takes to Measure Reionization with Fast Radio Bursts. Astrophysical Journal, 2022, 933, 57.	4.5	8
219	Repeating fast radio bursts: Coherent circular polarization by bunches. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	5.1	13
220	Radio Scattering Horizons for Galactic and Extragalactic Transients. Astrophysical Journal, 2022, 934, 71.	4.5	7
221	Improvement of cosmological constraints with the cross-correlation between line-of-sight optical galaxy and FRB dispersion measures. Physical Review D, 2022, 106, .	4.7	2
222	First measurement of interplanetary scintillation with the ASKAP radio telescope: Implications for space weather. Advances in Space Research, 2023, 72, 5361-5370.	2.6	3
223	A method for reconstructing the Galactic magnetic field using dispersion of fast radio bursts and Faraday rotation of radio galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4739-4759.	4.4	2
224	The sources of apparently non-repeating FRB. Monthly Notices of the Royal Astronomical Society, 2022, 516, 53-56.	4.4	2
225	Influence of Optimal Adjustment of FAST Active Reflector on Receiving Efficiency. Mathematical Problems in Engineering, 2022, 2022, 1-10.	1.1	1
226	Hints of a universal width–energy relation for classified fast radio bursts. Astronomy and Astrophysics, 2022, 667, A26.	5.1	3
227	A measurement of Hubble's Constant using Fast Radio Bursts. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4862-4881.	4.4	38
228	Testing afterglow models of FRB 200428 with early post-burst observations of SGR 1935Â+Â2154. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5483-5495.	4.4	5
229	Revisit the periodicity of SGR J1935+2154 bursts with updated sample. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3854-3863.	4.4	4
230	The dispersion measure of Fast Radio Bursts host galaxies: estimation from cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2022, 518, 539-561.	4.4	3
231	The discovery and scientific potential of fast radio bursts. Science, 2022, 378, .	12.6	10
232	Diverse Properties of Molecular Gas in the Host Galaxies of Fast Radio Bursts. Astrophysical Journal Letters, 2022, 940, L34.	8.3	2
233	The FRBÂ20121102A November rain in 2018 observed with the Arecibo Telescope. Monthly Notices of the Royal Astronomical Society, 2022, 519, 666-687.	4.4	20
234	Finding the Missing Baryons in the Intergalactic Medium with Localized Fast Radio Bursts. Astrophysical Journal Letters, 2022, 940, L29.	8.3	10

	CITATION	KLPORT	
#	Article	IF	CITATIONS
235	Radio Pulse Profiles and Polarization of the Terzan 5 Pulsars. Astrophysical Journal, 2022, 941, 22.	4.5	6
236	The molecular gas kinematics in the host galaxy of non-repeating FRB 180924B. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2030-2034.	4.4	2
237	Fast Radio Bursts. , 2023, , 1-38.		0
238	Gravitational lensing in the presence of plasma scattering with application to Fast Radio Bursts. Monthly Notices of the Royal Astronomical Society, 2023, 520, 247-258.	4.4	5
239	Cosmological-model-independent Determination of Hubble Constant from Fast Radio Bursts and Hubble Parameter Measurements. Astrophysical Journal Letters, 2023, 946, L49.	8.3	6
240	The Apertif Radio Transient System (ARTS): Design, commissioning, data release, and detection of the first five fast radio bursts. Astronomy and Astrophysics, 2023, 672, A117.	5.1	1
241	Cosmological model-independent constraints on the baryon fraction in the IGM from fast radio bursts and supernovae data. European Physical Journal C, 2023, 83, .	3.9	4
242	An 8.0% Determination of the Baryon Fraction in the Intergalactic Medium from Localized Fast Radio Bursts. Astrophysical Journal, 2023, 944, 50.	4.5	8
243	Inferring the Energy and Distance Distributions of Fast Radio Bursts Using the First CHIME/FRB Catalog. Astrophysical Journal, 2023, 944, 105.	4.5	17
244	Probing the baryon mass fraction in IGM and its redshift evolution with fast radio bursts using Bayesian inference method. Monthly Notices of the Royal Astronomical Society, 2023, 520, 6237-6244.	4.4	1
245	Tied-array beam localization of radio transients and pulsars. , 2023, 2, 114-128.		4
246	Stellar prospects for FRB gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2023, 521, 4024-4038.	4.4	8
247	Future of Neutron Star Studies with Fast Radio Bursts. Particles, 2023, 6, 451-469.	1.7	1
248	An origin scenario for a fast radio burst. Science, 2023, 380, 580-580.	12.6	0
249	Inferring redshift and energy distributions of fast radio bursts from the first CHIME/FRB catalog*. Chinese Physics C, 2023, 47, 085105.	3.7	1
250	CELEBI: The CRAFT Effortless Localisation and Enhanced Burst Inspection pipeline. Astronomy and Computing, 2023, 44, 100724.	1.7	6
251	Future Constraints on Dark Matter with Gravitationally Lensed Fast Radio Bursts Detected by BURSTT. Astrophysical Journal, 2023, 950, 53.	4.5	2
252	How limiting is optical follow-up for fast radio burst applications? Forecasts for radio and optical surveys. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5006-5023.	4.4	0

#	Article	IF	CITATIONS
253	Systematic performance of the ASKAP fast radio burst search algorithm. Monthly Notices of the Royal Astronomical Society, 2023, 523, 5109-5119.	4.4	2
254	Subarcminute Localization of 13 Repeating Fast Radio Bursts Detected by CHIME/FRB. Astrophysical Journal, 2023, 950, 134.	4.5	6
255	Consistent constraints on the equivalence principle from localized fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2023, 523, 6264-6271.	4.4	2
256	A subarcsec localized fast radio burst with a significant host galaxy dispersion measure contribution. Monthly Notices of the Royal Astronomical Society, 2023, 524, 2064-2077.	4.4	1
257	A path to precision cosmology: synergy between four promising late-universe cosmological probes. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 052.	5.4	9
258	Comparison of burst properties between FRB 20190520B and FRB 20121102A. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5600-5607.	4.4	0
259	Solar System-scale Interferometry on Fast Radio Bursts Could Measure Cosmic Distances with Subpercent Precision. Astrophysical Journal Letters, 2023, 947, L23.	8.3	0
260	Classifying FRB spectrograms using nonlinear dimensionality reduction techniques. Monthly Notices of the Royal Astronomical Society, 2023, 522, 4342-4351.	4.4	0
261	The Northern Cross Fast Radio Burst project. Astronomy and Astrophysics, 2023, 674, A223.	5.1	3
262	Machine learning classification of repeating FRBs from FRB 121102. Monthly Notices of the Royal Astronomical Society, 2023, 524, 1668-1691.	4.4	0
263	A sample of fast radio bursts discovered and localized with MeerTRAP at the <i>MeerKAT</i> telescope. Monthly Notices of the Royal Astronomical Society, 2023, 524, 4275-4295.	4.4	3
264	Blinkverse: A Database of Fast Radio Bursts. Universe, 2023, 9, 330.	2.5	3
265	The unseen host galaxy and high dispersion measure of a precisely localized fast radio burst suggests a high-redshift origin. Monthly Notices of the Royal Astronomical Society, 2023, 525, 994-1007.	4.4	2
266	Solving the Mystery of Fast Radio Bursts: A Detective's Approach. Universe, 2023, 9, 375.	2.5	Ο
267	Two-screen scattering in CRAFT FRBs. Monthly Notices of the Royal Astronomical Society, 2023, 525, 5653-5668.	4.4	3
268	Revisiting constraints on the photon rest mass with cosmological fast radio bursts. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 025.	5.4	0
269	Cosmography from well-localized fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2023, 526, 1773-1782.	4.4	1
270	Searching for the Sources of Excess Extragalactic Dispersion of FRBs. Astrophysical Journal, 2023, 954, 71.	4.5	3

# 271	ARTICLE The Demographics, Stellar Populations, and Star Formation Histories of Fast Radio Burst Host Galaxies: Implications for the Progenitors. Astrophysical Journal, 2023, 954, 80.	lF 4.5	CITATIONS
272	Flux Calibration of CHIME/FRB Intensity Data. Astronomical Journal, 2023, 166, 138.	4.7	2
273	Fast Radio Bursts as Probes of Magnetic Fields in Galaxies at z < 0.5. Astrophysical Journal, 2023, 954, 179.	4.5	5
274	The physics of fast radio bursts. Reviews of Modern Physics, 2023, 95, .	45.6	20
275	Search for Gravitational Waves Associated with Fast Radio Bursts Detected by CHIME/FRB during the LIGO–Virgo Observing Run O3a. Astrophysical Journal, 2023, 955, 155.	4.5	3
276	Investigating Cosmological Models and the Hubble Tension Using Localized Fast Radio Bursts. Astrophysical Journal, 2023, 955, 101.	4.5	1
277	A luminous fast radio burst that probes the Universe at redshift 1. Science, 2023, 382, 294-299.	12.6	7
278	Polarization Evolution of Fast Radio Burst Sources in Binary Systems. Astrophysical Journal, 2023, 957, 1.	4.5	0
279	FRB 202104051: a nearby Fast Radio Burst localized to sub-arcsecond precision with MeerKAT. Monthly Notices of the Royal Astronomical Society, 2023, 527, 3659-3673.	4.4	1
280	Is the M81 Fast Radio Burst Host Globular Cluster Special?. Astrophysical Journal Letters, 2023, 957, L17.	8.3	0
281	Searching for the spectral depolarization of ASKAP one-off FRB sources. Monthly Notices of the Royal Astronomical Society, 2023, 527, 4285-4296.	4.4	0
282	A targeted search for FRB counterparts with Konus- <i>Wind</i> . Monthly Notices of the Royal Astronomical Society, 2023, 527, 5580-5587.	4.4	0
283	A measurement of Hubble constant using cosmographic approach combining fast radio bursts and supernovae. Monthly Notices of the Royal Astronomical Society, 2023, 527, 7861-7870.	4.4	1
284	A Comprehensive Analysis of Repeating Fast Radio Bursts. Astrophysical Journal, Supplement Series, 2023, 269, 17.	7.7	0
285	Forecasting constraints on the baryon mass fraction in the IGM from fast radio bursts and type Ia supernovae. European Physical Journal C, 2023, 83, .	3.9	0
286	Propagation effects at low frequencies seen in the LOFAR long-term monitoring of the periodically active FRB 20180916B. Monthly Notices of the Royal Astronomical Society, 2023, 527, 9872-9891.	4.4	1
287	Characterization of the repeating FRB 20220912A with the Allen Telescope Array. Monthly Notices of the Royal Astronomical Society, 2023, 527, 10425-10439.	4.4	0
288	Detecting Fast Radio Bursts with Spectral Structure Using the Continuous Forward Algorithm. Astrophysical Journal, 2024, 960, 128.	4.5	0

#	Article	IF	CITATIONS
289	Searching for Associations between Short Gamma-Ray Bursts and Fast Radio Bursts. Astrophysical Journal, 2024, 961, 45.	4.5	0
290	The impact of the FREDDA dedispersion algorithm on <i>H</i> O estimations with fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2024, 528, 1583-1595.	4.4	0
291	Statistical Association between the Candidate Repeating FRB 20200320A and a Galaxy Group. Astrophysical Journal, 2024, 961, 177.	4.5	1
292	The Propagation of Fast Radio Bursts in the Magnetosphere Shapes Their Waiting-time and Flux Distributions. Astrophysical Journal, 2024, 962, 35.	4.5	0
293	Fast Radio Bursts. , 2024, , 5151-5187.		0
294	A Fast Radio Burst in a Compact Galaxy Group at z â^1⁄4 1. Astrophysical Journal Letters, 2024, 963, L34.	8.3	0
295	Magnetic moments of astrophysical neutrinos. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 043.	5.4	0