Lei Qian

List of Publications by Year in descending order

56 papers	2,588 citations	218677 26 h-index	189892 50 g-index
62 all docs	62 docs citations	62 times ranked	1822 citing authors

#	Article	IF	Citations
1	An early transition to magnetic supercriticality in star formation. Nature, 2022, 601, 49-52.	27.8	21
2	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. Astrophysical Journal, 2022, 926, 163.	4.5	16
3	Frequency-dependent polarization of repeating fast radio burstsâ€"implications for their origin. Science, 2022, 375, 1266-1270.	12.6	55
4	Radio pulsations from a neutron star within the gamma-ray binary LS I +61Â° 303. Nature Astronomy, 2022, 6, 698-702.	10.1	27
5	Measurement of the Gamma-Ray Energy Spectrum beyond 100 TeV from the HESS J1843â€"033 Region. Astrophysical Journal, 2022, 932, 120.	4.5	4
6	Arecibo and FAST timing follow-up of 12 millisecond pulsars discovered in Commensal Radio Astronomy FAST Survey. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1672-1682.	4.4	10
7	Observations of Magnetic Fields Surrounding LkHÎ± 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
8	A Single-pulse Study of PSR J1022+1001 Using the FAST Radio Telescope. Astrophysical Journal, 2021, 908, 105.	4.5	13
9	Periodic and Phase-locked Modulation in PSR B1929+10 Observed with FAST. Astrophysical Journal, 2021, 909, 170.	4.5	8
10	Dust polarized emission observations of NGC 6334. Astronomy and Astrophysics, 2021, 647, A78.	5.1	41
11	CRAFTS for Fast Radio Bursts: Extending the Dispersionâ€"Fluence Relation with New FRBs Detected by FAST. Astrophysical Journal Letters, 2021, 909, L8.	8.3	31
12	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. Astrophysical Journal Letters, 2021, 912, L27.	8.3	21
13	FAST Globular Cluster Pulsar Survey: Twenty-four Pulsars Discovered in 15 Globular Clusters. Astrophysical Journal Letters, 2021, 915, L28.	8.3	37
14	Three pulsars discovered by FAST in the globular cluster NGC 6517 with a pulsar candidate sifting code based on dispersion measure to signal-to-noise ratio plots. Research in Astronomy and Astrophysics, 2021, 21, 143.	1.7	8
15	FAST early pulsar discoveries: Effelsberg follow-up. Monthly Notices of the Royal Astronomical Society, 2021, 508, 300-314.	4.4	17
16	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
17	A bimodal burst energy distribution of a repeating fast radio burst source. Nature, 2021, 598, 267-271.	27.8	129
18	FAST discovery of an extremely radio-faint millisecond pulsar from the Fermi-LAT unassociated source 3FGL J0318.1+0252. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	25

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19	Spatial modulation search applied to the search and confirmation of highly scintillated pulsars at FAST with a pulsar discovered in M3. Research in Astronomy and Astrophysics, 2021, 21, 185.	1.7	2
20	An Eclipsing Black Widow Pulsar in NGC 6712. Astrophysical Journal, 2021, 921, 120.	4.5	3
21	A GPU based single-pulse search pipeline (GSP) with database and its application to the Commensal Radio Astronomy FAST Survey (CRAFTS). Research in Astronomy and Astrophysics, 2021, 21, 314.	1.7	5
22	Diverse polarization angle swings from a repeating fast radio burst source. Nature, 2020, 586, 693-696.	27.8	109
23	Pilot Hi survey of Planck Galactic Cold Clumps with FAST. Research in Astronomy and Astrophysics, 2020, 20, 077.	1.7	5
24	A PRESTO-based parallel pulsar search pipeline used for FAST drift scan data. Research in Astronomy and Astrophysics, 2020, 20, 091.	1.7	10
25	FAST: Its Scientific Achievements and Prospects. Innovation(China), 2020, 1, 100053.	9.1	32
26	A Fast Radio Burst Discovered in FAST Drift Scan Survey. Astrophysical Journal Letters, 2020, 895, L6.	8.3	31
27	Observational Features of Exoplanetary Synchrotron Radio Bursts. Astrophysical Journal, 2020, 895, 22.	4.5	2
28	An in-depth investigation of 11 pulsars discovered by FAST. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3515-3530.	4.4	26
29	The FAST Discovery of an Eclipsing Binary Millisecond Pulsar in the Globular Cluster M92 (NGCÂ6341). Astrophysical Journal Letters, 2020, 892, L6.	8.3	22
30	Discovery and Timing of Pulsars in the Globular Cluster M13 with FAST. Astrophysical Journal, 2020, 892, 43.	4.5	21
31	The fundamental performance of FAST with 19-beam receiver at L band. Research in Astronomy and Astrophysics, 2020, 20, 064.	1.7	157
32	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
33	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
34	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core <i>Ï‹/i> Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
35	Commissioning progress of the FAST. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	150
36	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37

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37	PSR J1926-0652: A Pulsar with Interesting Emission Properties Discovered at FAST. Astrophysical Journal, 2019, 877, 55.	4.5	28
38	Status and perspectives of the CRAFTS extra-galactic HI survey. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	24
39	The first pulsar discovered by FAST. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	38
40	Tracing the Formation of Molecular Clouds in a Low-metallicity Galaxy: An H i Narrow Self-absorption Survey of the Large Magellanic Cloud. Astrophysical Journal, 2019, 887, 242.	4.5	3
41	FAST in Space: Considerations for a Multibeam, Multipurpose Survey Using China's 500-m Aperture Spherical Radio Telescope (FAST). IEEE Microwave Magazine, 2018, 19, 112-119.	0.8	174
42	The TOP-SCOPE Survey of Planck Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. Astrophysical Journal, Supplement Series, 2018, 234, 28.	7.7	50
43	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
44	Studies of Turbulence Dissipation in the Taurus Molecular Cloud with Core Velocity Dispersion. Astrophysical Journal, 2018, 864, 116.	4.5	18
45	Low-mass Active Galactic Nuclei on the Fundamental Plane of Black Hole Activity. Astrophysical Journal, 2018, 860, 134.	4.5	5
46	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51
47	A Ringed Dwarf LINER 1 Galaxy Hosting an Intermediate-mass Black Hole with Large-scale Rotation-like Emission. Astrophysical Journal, 2017, 837, 109.	4.5	3
48	Large-scale Spectroscopic Mapping of the Ï•Ophiuchi Molecular Cloud Complex. I. The C₂H-to-N₂H⁺ Ratio as a Signpost of Cloud Characteristics. Astrophysical Journal, 2017, 836, 194.	4.5	13
49	Cloud Structure of Three Galactic Infrared Dark Star-forming Regions from Combining Ground-Âand Space-based Bolometric Observations. Astrophysical Journal, 2017, 840, 22.	4.5	33
50	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. Astrophysical Journal, 2017, 842, 66.	4.5	79
51	How Do Stars Gain Their Mass? A JCMT/SCUBA-2 Transient Survey of Protostars in Nearby Star-forming Regions. Astrophysical Journal, 2017, 849, 43.	4.5	42
52	CLOUD STRUCTURE OF GALACTIC OB CLUSTER-FORMING REGIONS FROM COMBINING GROUND- AND SPACE-BASED BOLOMETRIC OBSERVATIONS. Astrophysical Journal, 2016, 828, 32.	4.5	38
53	OUTFLOWS AND BUBBLES IN TAURUS: STAR-FORMATION FEEDBACK SUFFICIENT TO MAINTAIN TURBULENCE. Astrophysical Journal, Supplement Series, 2015, 219, 20.	7.7	39
54	A NEW METHOD FOR CONSTRAINING MOLECULAR CLOUD THICKNESS: A STUDY OF TAURUS, PERSEUS, AND OPHIUCHUS. Astrophysical Journal, 2015, 811, 71.	4.5	19

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55	¹³CO CORES IN THE TAURUS MOLECULAR CLOUD. Astrophysical Journal, 2012, 760, 147.	4.5	40
56	THE FIVE-HUNDRED-METER APERTURE SPHERICAL RADIO TELESCOPE (FAST) PROJECT. International Journal of Modern Physics D, 2011, 20, 989-1024.	2.1	616