

Hua-bai Li

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,320
citations

361413

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docs citations

37
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. <i>Astrophysical Journal</i> , 2022, 926, 163.	4.5	16
2	Velocity Anisotropy in Self-gravitating Molecular Clouds. II. Observation. <i>Astrophysical Journal</i> , 2022, 928, 132.	4.5	2
3	Observations of Magnetic Fields Surrounding LkH $\hat{\pm}$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
4	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. <i>Astrophysical Journal Letters</i> , 2021, 912, L27.	8.3	21
5	Magnetic Fields in Molecular Cloudsâ€™ Observation and Interpretation. <i>Galaxies</i> , 2021, 9, 41.	3.0	15
6	The JCMT BISTRO Survey: An 850/450 $\hat{\mu}$ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
7	Magnetic Fields in Massive Star-forming Regions (MagMaR). II. Tomography through Dust and Molecular Line Polarization in NGC 6334I(N). <i>Astrophysical Journal</i> , 2021, 923, 204.	4.5	10
8	Bayesian Revisit of the Relationship between the Total Field Strength and the Volume Density of Interstellar Clouds. <i>Astrophysical Journal</i> , 2020, 890, 153.	4.5	10
9	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. <i>Astrophysical Journal</i> , 2020, 899, 28.	4.5	39
10	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
11	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core $\langle i \rangle \hat{\kappa} \langle /i \rangle$ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
12	Anchoring Magnetic Fields in Turbulent Molecular Clouds. II. From 0.1 to 0.01 pc. <i>Astrophysical Journal</i> , 2019, 871, 98.	4.5	10
13	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
14	A Comparison between Magnetic Field Directions Inferred from Planck and Starlight Polarimetry toward Gould Belt Clouds. <i>Astrophysical Journal Letters</i> , 2019, 871, L15.	8.3	8
15	The TOP-SCOPE Survey of $\langle i \rangle \text{Planck} \langle /i \rangle$ Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 28.	7.7	50
16	Probing the Turbulence Dissipation Range and Magnetic Field Strengths in Molecular Clouds. II. Directly Probing the Ionâ€™neutral Decoupling Scale. <i>Astrophysical Journal</i> , 2018, 862, 42.	4.5	11
17	A First Look at BISTRO Observations of the $\hat{\mu}$ Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
18	A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. <i>Astrophysical Journal</i> , 2018, 859, 151.	4.5	57

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19	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
20	The link between magnetic field orientations and star formation rates. <i>Nature Astronomy</i> , 2017, 1, .	10.1	18
21	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
22	Velocity Anisotropy in Self-gravitating Molecular Clouds. I. Simulation. <i>Astrophysical Journal</i> , 2017, 836, 95.	4.5	11
23	Self-similar fragmentation regulated by magnetic fields in a region forming massive stars. <i>Nature</i> , 2015, 520, 518-521.	27.8	83
24	THE IMPORTANCE OF THE MAGNETIC FIELD FROM AN SMA-CSO-COMBINED SAMPLE OF STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , 2014, 797, 99.	4.5	41
25	MAGNETIC FIELDS AND MASSIVE STAR FORMATION. <i>Astrophysical Journal</i> , 2014, 792, 116.	4.5	142
26	The link between magnetic fields and filamentary clouds: bimodal cloud orientations in the Gould Belt. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3707-3719.	4.4	94
27	PROTOSTELLAR OUTFLOW HEATING IN A GROWING MASSIVE PROTOCLUSTER. <i>Astrophysical Journal Letters</i> , 2012, 745, L30.	8.3	56
28	Evidence for dynamically important magnetic fields in molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 2067-2075.	4.4	21
29	The alignment of molecular cloud magnetic fields with the spiral arms in M33. <i>Nature</i> , 2011, 479, 499-501.	27.8	62
30	AMBIPOLAR DIFFUSION AND TURBULENT MAGNETIC FIELDS IN MOLECULAR CLOUDS. <i>Modern Physics Letters A</i> , 2011, 26, 235-249.	1.2	2
31	TRACING TURBULENT AMBIPOLAR DIFFUSION IN MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2010, 718, 905-912.	4.5	19
32	OBSERVATIONAL DETERMINATION OF THE TURBULENT AMBIPOLAR DIFFUSION SCALE AND MAGNETIC FIELD STRENGTH IN MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2010, 720, 603-607.	4.5	30
33	ANCHORING MAGNETIC FIELD IN TURBULENT MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2009, 704, 891-897.	4.5	91
34	MAGNETIC FIELDS AND INFALL MOTIONS IN NGC 1333 IRAS 4. <i>Astrophysical Journal</i> , 2009, 702, 1584-1592.	4.5	33
35	New Results on the Submillimeter Polarization Spectrum of the Orion Molecular Cloud. <i>Astrophysical Journal</i> , 2008, 679, L25-L28.	4.5	46