Hua-bai Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8445866/publications.pdf

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35	1,320	361413 20	361022 35
papers	citations	h-index	g-index

37	37	37	873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MAGNETIC FIELDS AND MASSIVE STAR FORMATION. Astrophysical Journal, 2014, 792, 116.	4.5	142
2	The link between magnetic fields and filamentary clouds: bimodal cloud orientations in the Gould Belt. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3707-3719.	4.4	94
3	ANCHORING MAGNETIC FIELD IN TURBULENT MOLECULAR CLOUDS. Astrophysical Journal, 2009, 704, 891-897.	4.5	91
4	Self-similar fragmentation regulated by magnetic fields in a region forming massive stars. Nature, 2015, 520, 518-521.	27.8	83
5	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. Astrophysical Journal, 2017, 842, 66.	4.5	79
6	The alignment of molecular cloud magnetic fields with the spiral arms in M33. Nature, 2011, 479, 499-501.	27.8	62
7	A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. Astrophysical Journal, 2018, 859, 151.	4.5	57
8	PROTOSTELLAR OUTFLOW HEATING IN A GROWING MASSIVE PROTOCLUSTER. Astrophysical Journal Letters, 2012, 745, L30.	8.3	56
9	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51
10	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
11	New Results on the Submillimeter Polarization Spectrum of the Orion Molecular Cloud. Astrophysical Journal, 2008, 679, L25-L28.	4.5	46
12	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
13	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
14	THE IMPORTANCE OF THE MAGNETIC FIELD FROM AN SMA-CSO-COMBINED SAMPLE OF STAR-FORMING REGIONS. Astrophysical Journal, 2014, 797, 99.	4.5	41
15	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
16	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core Ï Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
17	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
18	MAGNETIC FIELDS AND INFALL MOTIONS IN NGC 1333 IRAS 4. Astrophysical Journal, 2009, 702, 1584-1592.	4.5	33

#	Article	IF	Citations
19	OBSERVATIONAL DETERMINATION OF THE TURBULENT AMBIPOLAR DIFFUSION SCALE AND MAGNETIC FIELD STRENGTH IN MOLECULAR CLOUDS. Astrophysical Journal, 2010, 720, 603-607.	4.5	30
20	Evidence for dynamically important magnetic fields in molecular clouds. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2067-2075.	4.4	21
21	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
22	TRACING TURBULENT AMBIPOLAR DIFFUSION IN MOLECULAR CLOUDS. Astrophysical Journal, 2010, 718, 905-912.	4.5	19
23	The link between magnetic field orientations and star formation rates. Nature Astronomy, 2017, 1, .	10.1	18
24	Observations of Magnetic Fields Surrounding LkHÎ± 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
25	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
26	Magnetic Fields in Molecular Cloudsâ€”Observation and Interpretation. Galaxies, 2021, 9, 41.	3.0	15
27	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
28	Velocity Anisotropy in Self-gravitating Molecular Clouds. I. Simulation. Astrophysical Journal, 2017, 836, 95.	4.5	11
29	Probing the Turbulence Dissipation Range and Magnetic Field Strengths in Molecular Clouds. II. Directly Probing the Ionâ€“neutral Decoupling Scale. Astrophysical Journal, 2018, 862, 42.	4.5	11
30	Anchoring Magnetic Fields in Turbulent Molecular Clouds. II. From 0.1 to 0.01 pc. Astrophysical Journal, 2019, 871, 98.	4.5	10
31	Bayesian Revisit of the Relationship between the Total Field Strength and the Volume Density of Interstellar Clouds. Astrophysical Journal, 2020, 890, 153.	4.5	10
32	Magnetic Fields in Massive Star-forming Regions (MagMaR). II. Tomography through Dust and Molecular Line Polarization in NGC 6334I(N). Astrophysical Journal, 2021, 923, 204.	4.5	10
33	A Comparison between Magnetic Field Directions Inferred from Planck and Starlight Polarimetry toward Gould Belt Clouds. Astrophysical Journal Letters, 2019, 871, L15.	8.3	8
34	AMBIPOLAR DIFFUSION AND TURBULENT MAGNETIC FIELDS IN MOLECULAR CLOUDS. Modern Physics Letters A, 2011, 26, 235-249.	1.2	2
35	Velocity Anisotropy in Self-gravitating Molecular Clouds. II. Observation. Astrophysical Journal, 2022, 928, 132.	4.5	2