

# Hong-Li Liu

## List of Publications by Year in descending order

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53  
papers

1,059  
citations

430874

18  
h-index

454955

30  
g-index

56  
all docs

56  
docs citations

56  
times ranked

700  
citing authors

#	ARTICLE	IF	CITATIONS
1	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
2	High-mass Star Formation through Filamentary Collapse and Clump-fed Accretion in G22. <i>Astrophysical Journal</i> , 2018, 852, 12.	4.5	58
3	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
4	The TOP-SCOPE Survey of <i>Planck</i> 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
5	A First Look at BISTRO Observations of the $\rho$ -Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
6	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€œ I. Survey description and a first look at G9.62+0.19. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2790-2820.	4.4	45
7	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
8	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
9	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core $\rho$ -Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
10	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
11	INTERACTIONS OF THE INFRARED BUBBLE N4 WITH ITS SURROUNDINGS. <i>Astrophysical Journal</i> , 2016, 818, 95.	4.5	33
12	High-mass Starless Clumps in the Inner Galactic Plane: The Sample and Dust Properties. <i>Astrophysical Journal, Supplement Series</i> , 2017, 231, 11.	7.7	28
13	A FEEDBACK-DRIVEN BUBBLE G24.136+00.436: A POSSIBLE SITE OF TRIGGERED STAR FORMATION. <i>Astrophysical Journal</i> , 2015, 798, 30.	4.5	27
14	Large-scale periodic velocity oscillation in the filamentary cloud G350.54+0.69. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1259-1268.	4.4	27
15	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€œ III. Catalogues of candidate hot molecular cores and hyper/ultra compact H&#x26%ii regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2801-2818.	4.4	23
16	Planck Cold Clumps in the $\rho$ -Orionis Complex. II. Environmental Effects on Core Formation. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 51.	7.7	22
17	<i>Herschel</i> observations of the Galactic H&#x26%ii region RCW&#x26%79. <i>Astronomy and Astrophysics</i> , 2017, 602, A95.	5.1	21
18	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

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19	Chemistry of Protostellar Clumps in the High-mass, Star-forming Filamentary Infrared Dark Cloud G034.43+00.24*. <i>Astrophysical Journal</i> , 2020, 901, 31.	4.5	21
20	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ II. Compact objects in ACA observations and star formation scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2821-2835.	4.4	20
21	The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. <i>Astrophysical Journal</i> , 2021, 913, 85.	4.5	19
22	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ XI. From inflow to infall in hub-filament systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 6038-6052.	4.4	19
23	DENSE GAS IN MOLECULAR CORES ASSOCIATED WITH PLANCK GALACTIC COLD CLUMPS. <i>Astrophysical Journal</i> , 2016, 820, 37.	4.5	18
24	KFPA Examinations of Young STellar Object Natal Environments (KEYSTONE): Hierarchical Ammonia Structures in Galactic Giant Molecular Clouds. <i>Astrophysical Journal</i> , 2019, 884, 4.	4.5	17
25	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
26	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ V. Hierarchical fragmentation and gas dynamics in IRDC G034.43+00.24. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5009-5022.	4.4	17
27	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ IX. A pilot study towards IRDC G034.43+00.24 on multi-scale structures and gas kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4480-4489.	4.4	17
28	Observations of Magnetic Fields Surrounding LkHâ± 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
29	ALMA Observations of NGC 6334S. II. Subsonic and Transonic Narrow Filaments in a High-mass Star Formation Cloud. <i>Astrophysical Journal</i> , 2022, 926, 165.	4.5	16
30	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
31	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): A Hot Corino Survey toward Protostellar Cores in the Orion Cloud. <i>Astrophysical Journal</i> , 2022, 927, 218.	4.5	16
32	EXPANDING SHELL AND STAR FORMATION IN THE INFRARED DUST BUBBLE N6. <i>Astrophysical Journal</i> , 2014, 797, 40.	4.5	14
33	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
34	The straight and isolated G350.54+0.69 filament: density profile and star formation content. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2119-2131.	4.4	12
35	A Low-mass Cold and Quiescent Core Population in a Massive Star Protocluster. <i>Astrophysical Journal Letters</i> , 2021, 912, L7.	8.3	10
36	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ VIII. A search for hot cores by using C2H5CN, CH3OCHO, and CH3OH lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3463-3476.	4.4	10

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37	Carbon-chain molecules in molecular outflows and Lupus I region – new producing region and new forming mechanism. Monthly Notices of the Royal Astronomical Society, 2019, 488, 495-511.	4.4	9
38	An ALMA study of outflow parameters of protoclusters: outflow feedback to maintain the turbulence. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4316-4334.	4.4	9
39	A particular carbon-chain-producing region: L1489 starless core. Astronomy and Astrophysics, 2019, 627, A162.	5.1	8
40	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions – VI. On the formation of the –L– type filament in G286.21+0.17. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4639-4655.	4.4	8
41	Infrared dust bubble CS51 and its interaction with the surrounding interstellar medium. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4750-4768.	4.4	7
42	Extended HNC, SiO, and HC <sub>3</sub> N Emission in 43 Southern Star-forming Regions. Astrophysical Journal, Supplement Series, 2021, 253, 2.	7.7	6
43	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of a Dense SiO Jet in the Evolved Protostellar Phase. Astrophysical Journal, 2022, 925, 11.	4.5	6
44	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Evidence for a Molecular Jet Launched at an Unprecedented Early Phase of Protostellar Evolution. Astrophysical Journal, 2022, 931, 130.	4.5	6
45	ATOMS: ALMA three-millimeter observations of massive star-forming regions – VII. A catalogue of SiO clumps from ACA observations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3618-3635.	4.4	5
46	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions – X. Chemical differentiation among the massive cores in G9.62+0.19. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4419-4440.	4.4	5
47	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. Astrophysical Journal Letters, 2021, 923, L9.	8.3	4
48	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): How Do Dense Core Properties Affect the Multiplicity of Protostars?. Astrophysical Journal, 2022, 931, 158.	4.5	4
49	H II REGION G46.5-0.2: THE INTERPLAY BETWEEN IONIZING RADIATION, MOLECULAR GAS, AND STAR FORMATION. Astronomical Journal, 2015, 149, 193.	4.7	3
50	Feedback of the HBe star IL Cep on nearby molecular cloud and star formation. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4222-4237.	4.4	3
51	Drama of HII regions: Clustered and Triggered Star Formation. Proceedings of the International Astronomical Union, 2015, 12, 129-130.	0.0	0
52	Efficient Selection and Classification of Infrared Excess Emission Stars Based on AKARI and 2MASS Data. Proceedings of the International Astronomical Union, 2015, 12, 147-148.	0.0	0
53	Erratum – A Low-mass Cold and Quiescent Core Population in a Massive Star Protocluster – (2021, ApJL), Tj ETQg, 1 0.784314 rg	8.3	0