

Charles L H Hull

List of Publications by Year in descending order

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51
papers

1,692
citations

257450

24
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289244

40
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docs citations

52
times ranked

1307
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	Polarization from Aligned Dust Grains in the \hat{I}^2 Pic Debris Disk. <i>Astrophysical Journal</i> , 2022, 930, 49.	4.5	4
3	Effects of Magnetic Field Orientations in Dense Cores on Gas Kinematics in Protostellar Envelopes. <i>Astrophysical Journal</i> , 2022, 930, 67.	4.5	3
4	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
5	Observations of Magnetic Fields Surrounding LkH \hat{I}^{\pm} 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
6	The Explosion in Orion-KL as Seen by Mosaicking the Magnetic Field with ALMA. <i>Astrophysical Journal</i> , 2021, 907, 94.	4.5	11
7	JCMT POL-2 and BISTRO Survey Observations of Magnetic Fields in the L1689 Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 907, 88.	4.5	29
8	Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78.	5.1	41
9	VLA Resolves Unexpected Radio Structures in the Perseus Cluster of Galaxies. <i>Astrophysical Journal</i> , 2021, 911, 56.	4.5	10
10	The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 913, 57.	4.5	6
11	Magnetic Fields in Massive Star-forming Regions (MagMaR). I. Linear Polarized Imaging of the Ultracompact H ii Region G5.89 \hat{I}^{\pm} 0.39. <i>Astrophysical Journal</i> , 2021, 913, 29.	4.5	13
12	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
13	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
14	Gravity-driven Magnetic Field at \hat{I}^{\pm} 1000 au Scales in High-mass Star Formation. <i>Astrophysical Journal Letters</i> , 2021, 915, L10.	8.3	41
15	Two-component Magnetic Field along the Line of Sight to the Perseus Molecular Cloud: Contribution of the Foreground Taurus Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 914, 122.	4.5	5
16	Which molecule traces what: Chemical diagnostics of protostellar sources. <i>Astronomy and Astrophysics</i> , 2021, 655, A65.	5.1	43
17	The JCMT BISTRO Survey: An 850/450 \hat{I}^{\pm} 4m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
18	Discovery of Molecular-line Polarization in the Disk of TW Hya. <i>Astrophysical Journal</i> , 2021, 922, 139.	4.5	10

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19	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. <i>Astrophysical Journal Letters</i> , 2021, 923, L9.	8.3	4
20	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
21	Validating scattering-induced (sub)millimetre disc polarization through the spectral index, wavelength-dependent polarization pattern, and polarization spectrum: the case of HD 163296. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 169-181.	4.4	23
22	Understanding the Origin of the Magnetic Field Morphology in the Wide-binary Protostellar System BHR 71. <i>Astrophysical Journal</i> , 2020, 892, 152.	4.5	29
23	Radio Linear Polarization of GRB Afterglows: Instrumental Systematics in ALMA Observations of GRB 171205A. <i>Astrophysical Journal</i> , 2020, 895, 64.	4.5	6
24	Outflows, cores, and magnetic field orientations in W43-MM1 as seen by ALMA. <i>Astronomy and Astrophysics</i> , 2020, 640, A111.	5.1	7
25	A statistical analysis of dust polarization properties in ALMA observations of Class 0 protostellar cores. <i>Astronomy and Astrophysics</i> , 2020, 644, A11.	5.1	23
26	Characterizing the Accuracy of ALMA Linear-polarization Mosaics. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 094501.	3.1	11
27	Magnetic Field Structure in Spheroidal Star-forming Clouds. II. Estimating Field Structure from Observed Maps. <i>Astrophysical Journal</i> , 2020, 896, 163.	4.5	8
28	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
29	Solving Grain Size Inconsistency between ALMA Polarization and VLA Continuum in the Ophiuchus IRS 48 Protoplanetary Disk. <i>Astrophysical Journal</i> , 2020, 900, 81.	4.5	23
30	Characterizing Magnetic Field Morphologies in Three Serpens Protostellar Cores with ALMA. <i>Astrophysical Journal</i> , 2019, 885, 106.	4.5	35
31	Interferometric Observations of Magnetic Fields in Forming Stars. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	2.8	71
32	Chemical and kinematic structure of extremely high-velocity molecular jets in the Serpens Main star-forming region. <i>Astronomy and Astrophysics</i> , 2019, 632, A101.	5.1	30
33	The Seven Most Massive Clumps in W43-Main as Seen by ALMA: Dynamical Equilibrium and Magnetic Fields. <i>Astrophysical Journal</i> , 2019, 884, 48.	4.5	12
34	High-dynamic-range 21 cm JVA observations of the Perseus Cluster. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 53-54.	0.0	0
35	ALMA Observations of Polarization from Dust Scattering in the IM Lup Protoplanetary Disk. <i>Astrophysical Journal</i> , 2018, 860, 82.	4.5	71
36	SYNTHETIC OBSERVATIONS OF MAGNETIC FIELDS IN PROTOSTELLAR CORES. <i>Astrophysical Journal</i> , 2017, 834, 201.	4.5	34

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37	ALMA Reveals Transition of Polarization Pattern with Wavelength in HL Tau's Disk. <i>Astrophysical Journal</i> , 2017, 851, 55.	4.5	116
38	ALMA Observations of Dust Polarization and Molecular Line Emission from the Class 0 Protostellar Source Serpens SMM1. <i>Astrophysical Journal</i> , 2017, 847, 92.	4.5	74
39	Unveiling the Role of the Magnetic Field at the Smallest Scales of Star Formation. <i>Astrophysical Journal Letters</i> , 2017, 842, L9.	8.3	66
40	AN EXTREMELY HIGH VELOCITY MOLECULAR JET SURROUNDED BY AN IONIZED CAVITY IN THE PROTOSTELLAR SOURCE SERPENS SMM1. <i>Astrophysical Journal Letters</i> , 2016, 823, L27.	8.3	28
41	ALMA SCIENCE VERIFICATION DATA: MILLIMETER CONTINUUM POLARIMETRY OF THE BRIGHT RADIO QUASAR 3C 286. <i>Astrophysical Journal</i> , 2016, 824, 132.	4.5	42
42	INTERFEROMETRIC MAPPING OF MAGNETIC FIELDS: THE ALMA VIEW OF THE MASSIVE STAR-FORMING CLUMP W43-MM1. <i>Astrophysical Journal Letters</i> , 2016, 825, L15.	8.3	33
43	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. IV. ANALYSIS OF INTERFEROMETRY DATA. <i>Astrophysical Journal</i> , 2016, 820, 38.	4.5	40
44	880 μ m SMA POLARIZATION OBSERVATIONS OF THE QUASAR 3C 286. <i>Astrophysical Journal</i> , 2016, 830, 124.	4.5	1
45	THE VLA NASCENT DISK AND MULTIPLICITY (VANDAM) SURVEY OF PERSEUS PROTOSTARS. RESOLVING THE SUB-ARCSECOND BINARY SYSTEM IN NGC 1333 IRAS2A. <i>Astrophysical Journal</i> , 2015, 798, 61.	4.5	44
46	TESTING MAGNETIC FIELD MODELS FOR THE CLASS 0 PROTOSTAR L1527. <i>Astrophysical Journal</i> , 2014, 797, 74.	4.5	16
47	TADPOL: A 1.3 mm SURVEY OF DUST POLARIZATION IN STAR-FORMING CORES AND REGIONS. <i>Astrophysical Journal</i> , Supplement Series, 2014, 213, 13.	7.7	177
48	THE MAGNETIC FIELD MORPHOLOGY OF THE CLASS 0 PROTOSTAR L1157-mm. <i>Astrophysical Journal Letters</i> , 2013, 769, L15.	8.3	82
49	PROTOSTELLAR DISK FORMATION ENABLED BY WEAK, MISALIGNED MAGNETIC FIELDS. <i>Astrophysical Journal Letters</i> , 2013, 767, L11.	8.3	57
50	INTERFEROMETRIC UPPER LIMITS ON MILLIMETER POLARIZATION OF THE DISKS AROUND DG Tau, GM Aur, AND MWC 480. <i>Astronomical Journal</i> , 2013, 145, 115.	4.7	32
51	MISALIGNMENT OF MAGNETIC FIELDS AND OUTFLOWS IN PROTOSTELLAR CORES. <i>Astrophysical Journal</i> , 2013, 768, 159.	4.5	130