

Martin Houde

List of Publications by Year in descending order

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59
papers

2,345
citations

201674

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48
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all docs

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docs citations

60
times ranked

1503
citing authors

#	ARTICLE	IF	CITATIONS
1	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. I. <i>Astrophysical Journal</i> , 2009, 696, 567-573.	4.5	190
2	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
3	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. II.. <i>Astrophysical Journal</i> , 2009, 706, 1504-1516.	4.5	156
4	The James Clerk Maxwell Telescope Legacy Survey of Nearby Star-forming Regions in the Gould Belt. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 855-870.	3.1	134
5	MISALIGNMENT OF MAGNETIC FIELDS AND OUTFLOWS IN PROTOSTELLAR CORES. <i>Astrophysical Journal</i> , 2013, 768, 159.	4.5	130
6	ALIGNMENT BETWEEN FLATTENED PROTOSTELLAR INFALL ENVELOPES AND AMBIENT MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2013, 770, 151.	4.5	90
7	Tracing the Magnetic Field in Orion A. <i>Astrophysical Journal</i> , 2004, 604, 717-740.	4.5	86
8	Probing the Turbulence Dissipation Range and Magnetic Field Strengths in Molecular Clouds. <i>Astrophysical Journal</i> , 2008, 677, 1151-1156.	4.5	80
9	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
10	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
11	HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1. <i>Astrophysical Journal</i> , 2019, 872, 187.	4.5	64
12	Probing the Magnetic Field with Molecular Ion Spectra. <i>Astrophysical Journal</i> , 2000, 536, 857-864.	4.5	53
13	Probing the Magnetic Field with Molecular Ion Spectra. II.. <i>Astrophysical Journal</i> , 2000, 537, 245-254.	4.5	51
14	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
15	New Results on the Submillimeter Polarization Spectrum of the Orion Molecular Cloud. <i>Astrophysical Journal</i> , 2008, 679, L25-L28.	4.5	46
16	A First Look at BISTRO Observations of the ρ -Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
17	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. III.. <i>Astrophysical Journal</i> , 2011, 733, 109.	4.5	45
18	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42

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19	Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78.	5.1	41
20	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. IV. ANALYSIS OF INTERFEROMETRY DATA. <i>Astrophysical Journal</i> , 2016, 820, 38.	4.5	40
21	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
22	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
23	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
24	CHARACTERIZING MAGNETIZED TURBULENCE IN M51. <i>Astrophysical Journal</i> , 2013, 766, 49.	4.5	34
25	MAGNETIC FIELDS AND INFALL MOTIONS IN NGC 1333 IRAS 4. <i>Astrophysical Journal</i> , 2009, 702, 1584-1592.	4.5	33
26	The Far-infrared Polarization Spectrum of ρ Ophiuchi A from HAWC+/SOFIA Observations. <i>Astrophysical Journal</i> , 2019, 882, 113.	4.5	32
27	Detection of new methanol maser transitions associated with G358.93 \pm 0.03. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3981-3989.	4.4	31
28	Evaluating the Magnetic Field Strength in Molecular Clouds. <i>Astrophysical Journal</i> , 2004, 616, L111-L114.	4.5	27
29	NON-ZEEMAN CIRCULAR POLARIZATION OF MOLECULAR ROTATIONAL SPECTRAL LINES. <i>Astrophysical Journal</i> , 2013, 764, 24.	4.5	27
30	HAWCPol: a first-generation far-infrared polarimeter for SOFIA. <i>Proceedings of SPIE</i> , 2010, , .	0.8	26
31	A simple relationship for the spectro-temporal structure of bursts from FRB 121102. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4936-4942.	4.4	24
32	The Alignment of the Magnetic Field and Collimated Outflows in Star-forming Regions: The Case of NGC 2071. <i>Astrophysical Journal</i> , 2001, 547, 311-316.	4.5	22
33	Explaining fast radio bursts through Dicke's superradiance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 514-522.	4.4	21
34	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
35	Evidence of a shared spectro-temporal law between sources of repeating fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 246-260.	4.4	19
36	Non-Zeeman circular polarization of CO rotational lines in SNR IC 443. <i>Astronomy and Astrophysics</i> , 2013, 558, A45.	5.1	18

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37	Triggered superradiance and fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5492-5499.	4.4	18
38	Explaining recurring maser flares in the ISM through large-scale entangled quantum mechanical states. Science Advances, 2017, 3, e1601858.	10.3	17
39	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. Astrophysical Journal, 2021, 907, 33.	4.5	17
40	DICKE'S SUPERRADIANCE IN ASTROPHYSICS. I. THE 21 cm LINE. Astrophysical Journal, 2016, 826, 216.	4.5	16
41	Observations of Magnetic Fields Surrounding LkH α 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
42	Maps of Magnetic Field Strength in the OMC-1 Using HAWC+ FIR Polarimetric Data. Astrophysical Journal, 2021, 908, 98.	4.5	16
43	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
44	NON-ZEEMAN CIRCULAR POLARIZATION OF MOLECULAR MASER SPECTRAL LINES. Astrophysical Journal, 2014, 795, 27.	4.5	15
45	The JCMT BISTRO Survey: An 850/450 μ m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
46	DICKE'S SUPERRADIANCE IN ASTROPHYSICS. II. THE OH 1612 MHz LINE. Astrophysical Journal, 2016, 828, 57.	4.5	12
47	New evidence for Dicke's superradiance in the 6.7 GHz methanol spectral line in the interstellar medium. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	11
48	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
49	Astronomical Image Processing with Array Detectors. Publications of the Astronomical Society of the Pacific, 2007, 119, 871-885.	3.1	8
50	A Four-Stokes-Parameter Spectral Line Polarimeter at the Caltech Submillimeter Observatory. Publications of the Astronomical Society of the Pacific, 2010, 122, 786-794.	3.1	7
51	Non-Zeeman circular polarization of molecular spectral lines in the ISM. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3123-3131.	4.4	7
52	Astronomical masers and Dicke's superradiance. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5194-5206.	4.4	5
53	Systematic velocity drifts of methanol masers associated with G9.62+0.20E. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3425-3437.	4.4	5
54	Generalization of the Menogozzi and Lamb maser algorithm to the transient superradiance regime. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4464-4480.	4.4	3

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55	The Twisted Magnetic Field of the Protobinary L483. <i>Astrophysical Journal</i> , 2022, 932, 34.	4.5	3
56	AMBIPOLAR DIFFUSION AND TURBULENT MAGNETIC FIELDS IN MOLECULAR CLOUDS. <i>Modern Physics Letters A</i> , 2011, 26, 235-249.	1.2	2
57	Interacting superradiance samples: modified intensities and timescales, and frequency shifts. <i>Journal of Physics Communications</i> , 2018, 2, 075015.	1.2	2
58	The generation and transformation of polarisation signals in molecular lines through collective anisotropic resonant scattering. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	2
59	The Carter constant for inclined orbits about a massive Kerr black hole: near-circular, near-polar orbits. <i>Open Physics</i> , 2012, 10, .	1.7	0