

# Martin Houde

## List of Publications by Year in descending order

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59  
papers

2,345  
citations

201674

27  
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48  
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60  
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60  
docs citations

60  
times ranked

1503  
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	The Twisted Magnetic Field of the Protobinary L483. <i>Astrophysical Journal</i> , 2022, 932, 34.	4.5	3
3	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
4	Observations of Magnetic Fields Surrounding LkH $\alpha$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
5	Maps of Magnetic Field Strength in the OMC-1 Using HAWC+ FIR Polarimetric Data. <i>Astrophysical Journal</i> , 2021, 908, 98.	4.5	16
6	Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78.	5.1	41
7	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
8	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
9	Generalization of the Menegozzi and Lamb maser algorithm to the transient superradiance regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4464-4480.	4.4	3
10	The JCMT BISTRO Survey: An 850/450 $\mu$ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
11	Magnetic Fields in Massive Star-forming Regions (MagMaR). II. Tomography through Dust and Molecular Line Polarization in NGC 6334(N). <i>Astrophysical Journal</i> , 2021, 923, 204.	4.5	10
12	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
13	Astronomical masers and Dicke's superradiance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5194-5206.	4.4	5
14	Systematic velocity drifts of methanol masers associated with G9.62+0.20E. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3425-3437.	4.4	5
15	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
16	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
17	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
18	The Far-infrared Polarization Spectrum of $\rho$ Ophiuchi A from HAWC+/SOFIA Observations. <i>Astrophysical Journal</i> , 2019, 882, 113.	4.5	32

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19	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core $\rho$ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
20	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
21	Triggered superradiance and fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5492-5499.	4.4	18
22	HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1. <i>Astrophysical Journal</i> , 2019, 872, 187.	4.5	64
23	Explaining fast radio bursts through Dicke's superradiance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 514-522.	4.4	21
24	Interacting superradiance samples: modified intensities and timescales, and frequency shifts. <i>Journal of Physics Communications</i> , 2018, 2, 075015.	1.2	2
25	A First Look at BISTRO Observations of the $\rho$ -Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
26	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
27	Non-Zeeman circular polarization of molecular spectral lines in the ISM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3123-3131.	4.4	7
28	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
29	Explaining recurring maser flares in the ISM through large-scale entangled quantum mechanical states. <i>Science Advances</i> , 2017, 3, e1601858.	10.3	17
30	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
31	DICKE'S SUPERRADIANCE IN ASTROPHYSICS. II. THE OH 1612 MHz LINE. <i>Astrophysical Journal</i> , 2016, 828, 57.	4.5	12
32	DICKE'S SUPERRADIANCE IN ASTROPHYSICS. I. THE 21 cm LINE. <i>Astrophysical Journal</i> , 2016, 826, 216.	4.5	16
33	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. IV. ANALYSIS OF INTERFEROMETRY DATA. <i>Astrophysical Journal</i> , 2016, 820, 38.	4.5	40
34	NON-ZEEMAN CIRCULAR POLARIZATION OF MOLECULAR MASER SPECTRAL LINES. <i>Astrophysical Journal</i> , 2014, 795, 27.	4.5	15
35	TADPOL: A 1.3 mm SURVEY OF DUST POLARIZATION IN STAR-FORMING CORES AND REGIONS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 13.	7.7	177
36	NON-ZEEMAN CIRCULAR POLARIZATION OF MOLECULAR ROTATIONAL SPECTRAL LINES. <i>Astrophysical Journal</i> , 2013, 764, 24.	4.5	27

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37	ALIGNMENT BETWEEN FLATTENED PROTOSTELLAR INFALL ENVELOPES AND AMBIENT MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2013, 770, 151.	4.5	90
38	MISALIGNMENT OF MAGNETIC FIELDS AND OUTFLOWS IN PROTOSTELLAR CORES. <i>Astrophysical Journal</i> , 2013, 768, 159.	4.5	130
39	Non-Zeeman circular polarization of CO rotational lines in SNR IC 443. <i>Astronomy and Astrophysics</i> , 2013, 558, A45.	5.1	18
40	CHARACTERIZING MAGNETIZED TURBULENCE IN M51. <i>Astrophysical Journal</i> , 2013, 766, 49.	4.5	34
41	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
42	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. III.. <i>Astrophysical Journal</i> , 2011, 733, 109.	4.5	45
43	AMBIPOLAR DIFFUSION AND TURBULENT MAGNETIC FIELDS IN MOLECULAR CLOUDS. <i>Modern Physics Letters A</i> , 2011, 26, 235-249.	1.2	2
44	HAWCPol: a first-generation far-infrared polarimeter for SOFIA. <i>Proceedings of SPIE</i> , 2010, , .	0.8	26
45	A Four-Stokes-Parameter Spectral Line Polarimeter at the Caltech Submillimeter Observatory. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 786-794.	3.1	7
46	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. I. <i>Astrophysical Journal</i> , 2009, 696, 567-573.	4.5	190
47	DISPERSION OF MAGNETIC FIELDS IN MOLECULAR CLOUDS. II.. <i>Astrophysical Journal</i> , 2009, 706, 1504-1516.	4.5	156
48	MAGNETIC FIELDS AND INFALL MOTIONS IN NGC 1333 IRAS 4. <i>Astrophysical Journal</i> , 2009, 702, 1584-1592.	4.5	33
49	New Results on the Submillimeter Polarization Spectrum of the Orion Molecular Cloud. <i>Astrophysical Journal</i> , 2008, 679, L25-L28.	4.5	46
50	Probing the Turbulence Dissipation Range and Magnetic Field Strengths in Molecular Clouds. <i>Astrophysical Journal</i> , 2008, 677, 1151-1156.	4.5	80
51	Astronomical Image Processing with Array Detectors. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 871-885.	3.1	8
52	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
53	Evaluating the Magnetic Field Strength in Molecular Clouds. <i>Astrophysical Journal</i> , 2004, 616, L111-L114.	4.5	27
54	Tracing the Magnetic Field in Orion A. <i>Astrophysical Journal</i> , 2004, 604, 717-740.	4.5	86

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55	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
56	Probing the Magnetic Field with Molecular Ion Spectra. II.. <i>Astrophysical Journal</i> , 2000, 537, 245-254.	4.5	51
57	Probing the Magnetic Field with Molecular Ion Spectra. <i>Astrophysical Journal</i> , 2000, 536, 857-864.	4.5	53
58	New evidence for Dicke's superradiance in the 6.7 GHz methanol spectral line in the interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	11
59	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