Kate Pattle

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6490456/publications.pdf

Version: 2024-02-01

61 papers	1,638 citations	218677 26 h-index	302126 39 g-index
62 all docs	62 docs citations	62 times ranked	1077 citing authors

#	Article	IF	Citations
1	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
2	The JCMT BISTRO Survey: multiwavelength polarimetry of bright regions in NGC 2071 in the far-infrared/submillimetre range, with POL-2 and HAWC+. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1985-2002.	4.4	7
3	Studying Magnetic Fields and Dust in M17 Using Polarized Thermal Dust Emission Observed by SOFIA/HAWC+. Astrophysical Journal, 2022, 929, 27.	4.5	9
4	Effects of Magnetic Field Orientations in Dense Cores on Gas Kinematics in Protostellar Envelopes. Astrophysical Journal, 2022, 930, 67.	4.5	3
5	Magnetic fields and outflows in the large Bok globule CB 54. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1026-1036.	4.4	4
6	The Twisted Magnetic Field of the Protobinary L483. Astrophysical Journal, 2022, 932, 34.	4.5	3
7	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. Astrophysical Journal, 2021, 907, 33.	4.5	17
8	Observations of Magnetic Fields Surrounding LkHÎ± 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
9	JCMT POL-2 and BISTRO Survey Observations of Magnetic Fields in the L1689 Molecular Cloud. Astrophysical Journal, 2021, 907, 88.	4.5	29
10	OMC-1 dust polarization in ALMA Band 7: diagnosing grain alignment mechanisms in the vicinity of Orion Source I. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3414-3433.	4.4	15
11	Dust polarized emission observations of NGC 6334. Astronomy and Astrophysics, 2021, 647, A78.	5.1	41
12	Submillimetre observations of the two-component magnetic field in M82. Monthly Notices of the Royal Astronomical Society, 2021, 505, 684-688.	4.4	7
13	The JCMT Gould Belt Survey: radiative heating by OB stars. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2103-2110.	4.4	4
14	The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. Astrophysical Journal, 2021, 913, 57.	4.5	6
15	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
16	The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. Astrophysical Journal, 2021, 913, 85.	4.5	19
17	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
18	The HASHTAG Project: The First Submillimeter Images of the Andromeda Galaxy from the Ground. Astrophysical Journal, Supplement Series, 2021, 257, 52.	7.7	5

#	Article	IF	Citations
19	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. Astrophysical Journal Letters, 2021, 923, L9.	8.3	4
20	Unveiling the Importance of Magnetic Fields in the Evolution of Dense Clumps Formed at the Waist of Bipolar H ii Regions: A Case Study of Sh 2-201 with JCMT SCUBA-2/POL-2. Astrophysical Journal, 2020, 897, 90.	4.5	9
21	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
22	Formation of the Hubâ€“Filament System G33.92+0.11: Local Interplay between Gravity, Velocity, and Magnetic Field. Astrophysical Journal, 2020, 905, 158.	4.5	23
23	Submillimeter and Far-Infrared Polarimetric Observations of Magnetic Fields in Star-Forming Regions. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	55
24	JCMT BISTRO Survey Observations of the Ophiuchus Molecular Cloud: Dust Grain Alignment Properties Inferred Using a Ricean Noise Model. Astrophysical Journal, 2019, 880, 27.	4.5	40
25	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
26	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core Ï Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
27	Magnetic fields from turbulent gas motions. Nature Astronomy, 2019, 3, 692-693.	10.1	2
28	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
29	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. Astrophysical Journal, 2019, 883, 95.	4.5	38
30	The JCMT Gould Belt Survey: A First Look at the Aurigaâ€“California Molecular Cloud with SCUBA-2. Astrophysical Journal, 2018, 852, 73.	4.5	7
31	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
32	The JCMT Gould Belt Survey: SCUBA-2 Data Reduction Methods and Gaussian Source Recovery Analysis. Astrophysical Journal, Supplement Series, 2018, 238, 8.	7.7	11
33	The dense cores and filamentary structure of the molecular cloud in Corona Australis: Herschel SPIRE and PACS observations from the Herschel Gould Belt Survey. Astronomy and Astrophysics, 2018, 615, A125.	5.1	30
34	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
35	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
36	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51

#	Article	IF	Citations
37	Dense Gas Kinematics and a Narrow Filament in the Orion A OMC1 Region Using NH₃. Astrophysical Journal, 2018, 861, 77.	4.5	36
38	First Observations of the Magnetic Field inside the Pillars of Creation: Results from the BISTRO Survey. Astrophysical Journal Letters, 2018, 860, L6.	8.3	32
39	The JCMT Gould Belt Survey: A First Look at IC 5146. Astrophysical Journal, 2017, 836, 132.	4.5	20
40	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. Astrophysical Journal, 2017, 842, 66.	4.5	79
41	The JCMT Gould Belt Survey: first results from SCUBA-2 observations of the Cepheus Flare region. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4255-4281.	4.4	20
42	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. Astrophysical Journal, 2017, 846, 122.	4.5	103
43	Far-infrared observations of a massive cluster forming in the Monoceros R2 filament hub. Astronomy and Astrophysics, 2017, 607, A22.	5.1	26
44	AKARI, SCUBA2 AND HERSCHEL DATA OF PRE-STELLAR CORES. Publications of the Korean Astronomical Society, 2017, 32, 117-121.	0.0	1
45	The JCMT Gould Belt Survey: a first look at Southern Orion A with SCUBA-2. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4022-4048.	4.4	38
46	THE JCMT GOULD BELT SURVEY: A FIRST LOOK AT DENSE CORES IN ORION B. Astrophysical Journal, 2016, 817, 167.	4.5	31
47	THE JCMT GOULD BELT SURVEY: DENSE CORE CLUSTERS IN ORION B. Astrophysical Journal, 2016, 821, 98.	4.5	21
48	An analytical model for the evolution of starless cores â€“ I. The constant-mass case. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2651-2669.	4.4	6
49	THE JCMT GOULD BELT SURVEY: EVIDENCE FOR DUST GRAIN EVOLUTION IN PERSEUS STAR-FORMING CLUMPS. Astrophysical Journal, 2016, 826, 95.	4.5	40
50	The JCMT Gould Belt Survey: evidence for radiative heating and contamination in the W40 complex. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4150-4175.	4.4	13
51	The JCMT andHerschelGould Belt Surveys: a comparison of SCUBA-2 andHerscheldata of dense cores in the Taurus dark cloud L1495. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1008-1025.	4.4	31
52	POL-2: a polarimeter for the James-Clerk-Maxwell telescope. Proceedings of SPIE, 2016, , .	0.8	48
53	The JCMT Gould Belt Survey: constraints on prestellar core properties in Orion A North. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1769-1781.	4.4	23
54	The JCMT Gould Belt Survey: first results from the SCUBA-2 observations of the Ophiuchus molecular cloud and a virial analysis of its prestellar core population. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1094-1122.	4.4	114

#	Article	IF	Citations
55	The JCMT Gould Belt Survey: SCUBA-2 observations of circumstellar discs in LÂ1495. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2472-2488.	4.4	26
56	A Full Virial Analysis of the Prestellar Cores in the Ophiuchus Molecular Cloud. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
57	SCUBA2 observations of prestellar cores. Proceedings of the International Astronomical Union, 2015, 11, 91-94.	0.0	0
58	The JCMT Gould Belt Survey: a quantitative comparison between SCUBA-2 data reduction methods. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2557-2579.	4.4	47
59	The James Clerk Maxwell telescope Legacy Survey of the Gould Belt: a molecular line study of the Ophiuchus molecular cloud. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1996-2020.	4.4	42
60	The JCMT Gould Belt Survey: evidence for radiative heating in Serpens MWC 297 and its influence on local star formation. Monthly Notices of the Royal Astronomical Society, 2015, 448, 1551-1573.	4.4	25
61	The JCMT Gould Belt Survey: A First Look at SCUBA-2 Observations of the Lupus I Molecular Cloud. Monthly Notices of the Royal Astronomical Society, 0, , stx042.	4.4	2