

# James Di Francesco

## List of Publications by Year in descending order

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193  
papers

13,556  
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4234  
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#	ARTICLE	IF	CITATIONS
1	From filamentary clouds to prestellar cores to the stellar IMF: Initial highlights from the <i>Herschel</i> Gould Belt Survey. <i>Astronomy and Astrophysics</i> , 2010, 518, L102.	5.1	1,089
2	THE 2014 ALMA LONG BASELINE CAMPAIGN: FIRST RESULTS FROM HIGH ANGULAR RESOLUTION OBSERVATIONS TOWARD THE HL TAU REGION. <i>Astrophysical Journal Letters</i> , 2015, 808, L3.	8.3	877
3	Characterizing interstellar filaments with <i>Herschel</i> in IC 5146. <i>Astronomy and Astrophysics</i> , 2011, 529, L6.	5.1	560
4	Hi-GAL: The <i>Herschel</i> Infrared Galactic Plane Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 314-325.	3.1	440
5	<i>Herschel</i> view of the Taurus B211/3 filament and striations: evidence of filamentary growth?. <i>Astronomy and Astrophysics</i> , 2013, 550, A38.	5.1	393
6	A census of dense cores in the Aquila cloud complex: SPIRE/PACS observations from the <i>Herschel</i> Gould Belt survey. <i>Astronomy and Astrophysics</i> , 2015, 584, A91.	5.1	328
7	The SCUBA Legacy Catalogues: Submillimeter Continuum Objects Detected by SCUBA. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 277-295.	7.7	300
8	Cluster-formation in the Rosette molecular cloud at the junctions of filaments. <i>Astronomy and Astrophysics</i> , 2012, 540, L11.	5.1	267
9	YOUNG STELLAR OBJECTS IN THE GOULD BELT. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 11.	7.7	232
10	The COMPLETE Survey of Star-Forming Regions: Phase I Data. <i>Astronomical Journal</i> , 2006, 131, 2921-2933.	4.7	227
11	PROSAC: A Submillimeter Array Survey of Low-Mass Protostars. I. Overview of Program: Envelopes, Disks, Outflows, and Hot Cores. <i>Astrophysical Journal</i> , 2007, 659, 479-498.	4.5	221
12	The Aquila prestellar core population revealed by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L106.	5.1	213
13	WHAT DETERMINES THE DENSITY STRUCTURE OF MOLECULAR CLOUDS? A CASE STUDY OF ORION B WITH <i>HERSCHEL</i> . <i>Astrophysical Journal Letters</i> , 2013, 766, L17.	8.3	194
14	Filamentary structures and compact objects in the Aquila and Polaris clouds observed by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L103.	5.1	188
15	Filaments and ridges in Vela revealed by <i>Herschel</i> : from low-mass to high-mass star-forming sites. <i>Astronomy and Astrophysics</i> , 2011, 533, A94.	5.1	188
16	The Large- and Small-Scale Structures of Dust in the Star-forming Perseus Molecular Cloud. <i>Astrophysical Journal</i> , 2006, 646, 1009-1023.	4.5	180
17	Initial highlights of the HOBYS key program, the <i>Herschel</i> imaging survey of OB young stellar objects. <i>Astronomy and Astrophysics</i> , 2010, 518, L77.	5.1	174
18	The spine of the swan: a <i>Herschel</i> study of the DR21 ridge and filaments in Cygnus X. <i>Astronomy and Astrophysics</i> , 2012, 543, L3.	5.1	157

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19	An Extinction Threshold for Protostellar Cores in Ophiuchus. <i>Astrophysical Journal</i> , 2004, 611, L45-L48.	4.5	153
20	Infall, Outflow, Rotation, and Turbulent Motions of Dense Gas within NGC 1333 IRAS 4. <i>Astrophysical Journal</i> , 2001, 562, 770-789.	4.5	153
21	A Catalog of Young Stellar Groups and Clusters within 1 Kiloparsec of the Sun. <i>Astronomical Journal</i> , 2003, 126, 1916-1924.	4.7	138
22	Characterizing the properties of nearby molecular filaments observed with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2019, 621, A42.	5.1	137
23	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
24	A <i>HERSCHEL</i> AND APEX CENSUS OF THE REDDEST SOURCES IN ORION: SEARCHING FOR THE YOUNGEST PROTOSTARS. <i>Astrophysical Journal</i> , 2013, 767, 36.	4.5	132
25	The Green Bank Ammonia Survey: First Results of NH <sub>3</sub> Mapping of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 843, 63.	4.5	115
26	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1094-1122.	4.4	114
27	The <i>Spitzer</i> Gould Belt Survey of Large Nearby Interstellar Clouds: Discovery of a Dense Embedded Cluster in the Serpens-Aquila Rift. <i>Astrophysical Journal</i> , 2008, 673, L151-L154.	4.5	113
28	The <i>Herschel</i> first look at protostars in the Aquila rift. <i>Astronomy and Astrophysics</i> , 2010, 518, L85.	5.1	112
29	Protoplanetary Disk Rings and Gaps across Ages and Luminosities. <i>Astrophysical Journal</i> , 2019, 872, 112.	4.5	107
30	SONS: The JCMT legacy survey of debris discs in the submillimetre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3606-3663.	4.4	106
31	A High-Resolution Study of the Slowly Contracting, Starless Core L1544. <i>Astrophysical Journal</i> , 1999, 513, L61-L64.	4.5	106
32	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. <i>Astrophysical Journal</i> , 2017, 846, 122.	4.5	103
33	Protoplanetary Disk Properties in the Orion Nebula Cluster: Initial Results from Deep, High-resolution ALMA Observations. <i>Astrophysical Journal</i> , 2018, 860, 77.	4.5	103
34	The Pipe Nebula as seen with <i>Herschel</i> : formation of filamentary structures by large-scale compression?. <i>Astronomy and Astrophysics</i> , 2012, 541, A63.	5.1	102
35	THE <i>HERSCHEL</i> AND JCMT GOULD BELT SURVEYS: CONSTRAINING DUST PROPERTIES IN THE PERSEUS B1 CLUMP WITH PACS, SPIRE, AND SCUBA-2. <i>Astrophysical Journal</i> , 2013, 767, 126.	4.5	100
36	ALMA OBSERVATIONS OF THE ORION PROPLYDS. <i>Astrophysical Journal</i> , 2014, 784, 82.	4.5	96

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37	A census of dense cores in the Taurus L1495 cloud from the <i>Herschel</i> Gould Belt Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 342-356.	4.4	96
38	TWO MASS DISTRIBUTIONS IN THE L 1641 MOLECULAR CLOUDS: THE <i>HERSCHEL</i> CONNECTION OF DENSE CORES AND FILAMENTS IN ORION A. <i>Astrophysical Journal Letters</i> , 2013, 777, L33.	8.3	95
39	CLASS 0 PROTOSTARS IN THE PERSEUS MOLECULAR CLOUD: A CORRELATION BETWEEN THE YOUNGEST PROTOSTARS AND THE DENSE GAS DISTRIBUTION. <i>Astrophysical Journal Letters</i> , 2014, 787, L18.	8.3	93
40	<i>Herschel</i> observations of B1-bS and B1-bN: two first hydrostatic core candidates in the Perseus star-forming cloud. <i>Astronomy and Astrophysics</i> , 2012, 547, A54.	5.1	92
41	THE MASS DISTRIBUTION OF STARLESS AND PROTOSTELLAR CORES IN GOULD BELT CLOUDS. <i>Astrophysical Journal</i> , 2010, 710, 1247-1270.	4.5	90
42	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. <i>Astrophysical Journal Letters</i> , 2015, 808, L1.	8.3	90
43	THE INITIAL CONDITIONS OF CLUSTERED STAR FORMATION. I. $NH_{>3}$ OBSERVATIONS OF DENSE CORES IN OPHIUCHUS. <i>Astrophysical Journal</i> , 2009, 697, 1457-1480.	4.5	87
44	A <i>Herschel</i> study of the properties of starless cores in the Polaris Flare dark cloud region using PACS and SPIRE. <i>Astronomy and Astrophysics</i> , 2010, 518, L92.	5.1	87
45	THE 2014 ALMA LONG BASELINE CAMPAIGN: OBSERVATIONS OF THE STRONGLY LENSED SUBMILLIMETER GALAXY HATLAS J090311.6+003906 AT $z = 3.042$ . <i>Astrophysical Journal Letters</i> , 2015, 808, L4.	8.3	86
46	CHANGES OF DUST OPACITY WITH DENSITY IN THE ORION A MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2013, 763, 55.	4.5	85
47	<i>HERSCHEL</i> /PACS SPECTROSCOPIC SURVEY OF PROTOSTARS IN ORION: THE ORIGIN OF FAR-INFRARED CO EMISSION. <i>Astrophysical Journal</i> , 2013, 763, 83.	4.5	84
48	First results from the <i>Herschel</i> Gould Belt Survey in Taurus. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1424-1433.	4.4	80
49	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
50	The <i>Herschel</i> view of massive star formation in G035.39+00.33: dense and cold filament of W48 undergoing a mini-starburst. <i>Astronomy and Astrophysics</i> , 2011, 535, A76.	5.1	79
51	From Filamentary Networks to Dense Cores in Molecular Clouds: Toward a New Paradigm for Star Formation. , 2014, , .		78
52	Properties of the dense core population in Orion B as seen by the <i>Herschel</i> Gould Belt survey. <i>Astronomy and Astrophysics</i> , 2020, 635, A34.	5.1	71
53	Ionization compression impact on dense gas distribution and star formation. <i>Astronomy and Astrophysics</i> , 2014, 564, A106.	5.1	69
54	Detection of two power-law tails in the probability distribution functions of massive GMCs. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 453, L41-L45.	3.3	66

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55	Molecular line contamination in the SCUBA-2 450 and 850 $\hat{1}$ / <sub>4</sub> m continuum data. Monthly Notices of the Royal Astronomical Society, 2012, 426, 23-39.	4.4	65
56	The earliest phases of high-mass star formation, as seen in NGC 6334 by <i>Herschel</i> -HOBYS. Astronomy and Astrophysics, 2017, 602, A77.	5.1	65
57	A Large-scale Survey of NGC 1333. Astrophysical Journal, 2007, 655, 958-972.	4.5	63
58	DETECTION OF INFALL IN THE PROTOSTAR B335 WITH ALMA. Astrophysical Journal, 2015, 814, 22.	4.5	60
59	The Green Bank Ammonia Survey: Dense Cores under Pressure in Orion A. Astrophysical Journal, 2017, 846, 144.	4.5	60
60	THE <i>SPITZER</i> SURVEY OF INTERSTELLAR CLOUDS IN THE GOULD BELT. II. THE CEPHEUS FLARE OBSERVED WITH IRAC AND MIPS. Astrophysical Journal, Supplement Series, 2009, 185, 198-249.	7.7	59
61	Quiescent Dense Gas in Protostellar Clusters: The Ophiuchus A Core. Astrophysical Journal, 2004, 617, 425-438.	4.5	58
62	THE AU MIC DEBRIS DISK: FAR-INFRARED AND SUBMILLIMETER RESOLVED IMAGING. Astrophysical Journal, 2015, 811, 100.	4.5	57
63	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
64	Globules and pillars in Cygnus X. Astronomy and Astrophysics, 2016, 591, A40.	5.1	55
65	The <i>Spitzer</i> Survey of Interstellar Clouds in the Gould Belt. I. IC 5146 Observed With IRAC and MIPS. Astrophysical Journal, 2008, 680, 495-516.	4.5	53
66	Abundant cyanopolyynes as a probe of infall in the Serpens South cluster-forming region. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1513-1529.	4.4	53
67	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51
68	The TOP-SCOPE Survey of <i>Planck</i> 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
69	A FIRST LOOK AT THE AURIGA-CALIFORNIA GIANT MOLECULAR CLOUD WITH <i>HERSCHEL</i> AND THE CSO: CENSUS OF THE YOUNG STELLAR OBJECTS AND THE DENSE GAS. Astrophysical Journal, 2013, 764, 133.	4.5	48
70	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
71	The <i>Herschel</i> view of the dense core population in the Ophiuchus molecular cloud. Astronomy and Astrophysics, 2020, 638, A74.	5.1	47
72	A First Look at BISTRO Observations of the $\hat{1}$ / <sub>4</sub> Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46

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73	Droplets. I. Pressure-dominated Coherent Structures in L1688 and B18. <i>Astrophysical Journal</i> , 2019, 877, 93.	4.5	46
74	The JCMT Legacy Survey of the Gould Belt: mapping 13CO and C18O in Orion A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 521-541.	4.4	45
75	REVEALING $H_2$ D <sup>+</sup> DEPLETION AND COMPACT STRUCTURE IN STARLESS AND PROTOSTELLAR CORES WITH ALMA. <i>Astrophysical Journal</i> , 2014, 797, 27.	4.5	45
76	The Vega debris disc: A view from <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L130.	5.1	44
77	ALMA OBSERVATIONS OF A MISALIGNED BINARY PROTOPLANETARY DISK SYSTEM IN ORION. <i>Astrophysical Journal</i> , 2014, 796, 120.	4.5	44
78	AN ALMA SEARCH FOR SUBSTRUCTURE, FRAGMENTATION, AND HIDDEN PROTOSTARS IN STARLESS CORES IN CHAMAELEON I. <i>Astrophysical Journal</i> , 2016, 823, 160.	4.5	44
79	The <i>Herschel</i> view of star formation in the Rosette molecular cloud under the influence of NGC 2244. <i>Astronomy and Astrophysics</i> , 2010, 518, L83.	5.1	43
80	THE INITIAL CONDITIONS OF CLUSTERED STAR FORMATION. II. $N_2$ H <sup>+</sup> OBSERVATIONS OF THE OPHIUCHUS B CORE. <i>Astrophysical Journal</i> , 2010, 708, 1002-1024.	4.5	42
81	Ionisation impact of high-mass stars on interstellar filaments. <i>Astronomy and Astrophysics</i> , 2013, 550, A50.	5.1	42
82	The James Clerk Maxwell telescope Legacy Survey of the Gould Belt: a molecular line study of the Ophiuchus molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1996-2020.	4.4	42
83	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
84	The JCMT Legacy Survey of the Gould Belt: a first look at Serpens with HARP. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1412-1428.	4.4	41
85	Astrochemical Properties of Planck Cold Clumps. <i>Astrophysical Journal, Supplement Series</i> , 2017, 228, 12.	7.7	41
86	Dust polarized emission observations of NGC 6334. <i>Astronomy and Astrophysics</i> , 2021, 647, A78.	5.1	41
87	The M16 molecular complex under the influence of NGC 6611. <i>Astronomy and Astrophysics</i> , 2012, 542, A114.	5.1	40
88	THE JCMT GOULD BELT SURVEY: EVIDENCE FOR DUST GRAIN EVOLUTION IN PERSEUS STAR-FORMING CLUMPS. <i>Astrophysical Journal</i> , 2016, 826, 95.	4.5	40
89	JCMT BISTRO Survey Observations of the Ophiuchus Molecular Cloud: Dust Grain Alignment Properties Inferred Using a Ricean Noise Model. <i>Astrophysical Journal</i> , 2019, 880, 27.	4.5	40
90	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

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91	<i>Herschel</i> observations of a potential core-forming clump: Perseus B1-E. <i>Astronomy and Astrophysics</i> , 2012, 540, A10.	5.1	38
92	The JCMT Gould Belt Survey: a first look at Southern Orion A with SCUBA-2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 4022-4048.	4.4	38
93	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core <i>ĳ</i> Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
94	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. <i>Astrophysical Journal</i> , 2019, 883, 95.	4.5	38
95	The JCMT Gould Belt Survey: properties of star-forming filaments in Orion A North. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1782-1796.	4.4	37
96	PROTOPLANETARY DISK MASSES IN THE YOUNG NGC 2024 CLUSTER. <i>Astrophysical Journal</i> , 2015, 802, 77.	4.5	37
97	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
98	A Pre-Protostellar Core in L1551. <i>Astrophysical Journal</i> , 2005, 620, 823-834.	4.5	36
99	<i>Herschel</i> -PACS imaging of protostars in the HH 1 outflow complex. <i>Astronomy and Astrophysics</i> , 2010, 518, L122.	5.1	36
100	<i>HERSCHEL</i> OBSERVATIONS OF THE W3 GMC: CLUES TO THE FORMATION OF CLUSTERS OF HIGH-MASS STARS. <i>Astrophysical Journal</i> , 2013, 766, 85.	4.5	36
101	Possible link between the power spectrum of interstellar filaments and the origin of the prestellar core mass function. <i>Astronomy and Astrophysics</i> , 2015, 584, A111.	5.1	36
102	Dense Gas Kinematics and a Narrow Filament in the Orion A OMC1 Region Using NH <sub>3</sub> . <i>Astrophysical Journal</i> , 2018, 861, 77.	4.5	36
103	Dust emissivity in the star-forming filament OMC 2/3. <i>Astronomy and Astrophysics</i> , 2016, 588, A30.	5.1	36
104	Small-scale structure in the Rosette molecular cloud revealed by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L91.	5.1	34
105	<i>Herschel</i> observations of embedded protostellar clusters in the Rosette molecular cloud. <i>Astronomy and Astrophysics</i> , 2010, 518, L84.	5.1	34
106	Evidence for large grains in the star-forming filament OMC 2/3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2303-2312.	4.4	34
107	Pillars and globules at the edges of H <sub>2</sub> regions. <i>Astronomy and Astrophysics</i> , 2013, 560, A19.	5.1	33
108	EXTREME CONDITIONS IN A CLOSE ANALOG TO THE YOUNG SOLAR SYSTEM: <i>HERSCHEL</i> OBSERVATIONS OF <i>μ</i> ERIDANI. <i>Astrophysical Journal Letters</i> , 2014, 791, L11.	8.3	33

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109	A catalogue of dense cores and young stellar objects in the Lupus complex based on <i>Herschel</i> Gould Belt Survey observations. <i>Astronomy and Astrophysics</i> , 2018, 619, A52.	5.1	33
110	Protoplanetary disk masses in NGC 2024: Evidence for two populations. <i>Astronomy and Astrophysics</i> , 2020, 640, A27.	5.1	33
111	HOW STARLESS ARE STARLESS CORES?. <i>Astrophysical Journal</i> , 2012, 745, 18.	4.5	32
112	ALMA Observations of Starless Core Substructure in Ophiuchus. <i>Astrophysical Journal</i> , 2017, 838, 114.	4.5	32
113	Filaments in the Lupus molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2036-2049.	4.4	31
114	THE JCMT GOULD BELT SURVEY: A FIRST LOOK AT DENSE CORES IN ORION B. <i>Astrophysical Journal</i> , 2016, 817, 167.	4.5	31
115	The JCMT and <i>Herschel</i> Gould Belt Surveys: a comparison of SCUBA-2 and <i>Herschel</i> data of dense cores in the Taurus dark cloud L1495. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1008-1025.	4.4	31
116	Velocity-coherent Filaments in NGC 1333: Evidence for Accretion Flow?. <i>Astrophysical Journal</i> , 2020, 891, 84.	4.5	31
117	THE INITIAL CONDITIONS OF CLUSTERED STAR FORMATION. III. THE DEUTERIUM FRACTIONATION OF THE OPHIUCHUS B2 CORE. <i>Astrophysical Journal</i> , 2010, 718, 666-682.	4.5	30
118	THE FRAGMENTATION AND STABILITY OF HIERARCHICAL STRUCTURE IN SERPENS SOUTH. <i>Astrophysical Journal</i> , 2016, 833, 204.	4.5	30
119	The dense cores and filamentary structure of the molecular cloud in Corona Australis: <i>Herschel</i> SPIRE and PACS observations from the <i>Herschel</i> Gould Belt Survey. <i>Astronomy and Astrophysics</i> , 2018, 615, A125.	5.1	30
120	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
121	The JCMT Gould Belt Survey: SCUBA-2 observations of circumstellar discs in L1495. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2472-2488.	4.4	26
122	Far-infrared observations of a massive cluster forming in the Monoceros R2 filament hub. <i>Astronomy and Astrophysics</i> , 2017, 607, A22.	5.1	26
123	Abundances of Molecular Species in Barnard 68. <i>Astronomical Journal</i> , 2002, 124, 2749-2755.	4.7	25
124	The JCMT Gould Belt Survey: evidence for radiative heating in Serpens MWC 297 and its influence on local star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 1551-1573.	4.4	25
125	THE JCMT GOULD BELT SURVEY: DENSE CORE CLUSTERS IN ORION A. <i>Astrophysical Journal</i> , 2016, 833, 44.	4.5	25
126	Physical properties of the ambient medium and of dense cores in the Perseus star-forming region derived from <i>Herschel</i> Gould Belt Survey observations. <i>Astronomy and Astrophysics</i> , 2021, 645, A55.	5.1	24



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127	“STARLESS” SUPER-JEANS CORES IN FOUR GOULD BELT CLOUDS. <i>Astrophysical Journal Letters</i> , 2010, 718, L32-L37.	8.3	23
128	Hier ist wahrhaftig ein Loch im Himmel. <i>Astronomy and Astrophysics</i> , 2010, 518, L94.	5.1	23
129	HERSCHEL REVEALS MASSIVE COLD CLUMPS IN NGC 7538. <i>Astrophysical Journal</i> , 2013, 773, 102.	4.5	23
130	The JCMT Gould Belt Survey: constraints on prestellar core properties in Orion A North. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1769-1781.	4.4	23
131	From forced collapse to H <sub>2</sub> region expansion in Mon R2: Envelope density structure and age determination with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2015, 584, A4.	5.1	23
132	THE JCMT GOULD BELT SURVEY: DENSE CORE CLUSTERS IN ORION B. <i>Astrophysical Journal</i> , 2016, 821, 98.	4.5	21
133	ALMA-IMF. <i>Astronomy and Astrophysics</i> , 2022, 662, A8.	5.1	21
134	INITIAL CONDITIONS FOR STAR FORMATION IN CLUSTERS: PHYSICAL AND KINEMATICAL STRUCTURE OF THE STARLESS CORE Oph A-N6. <i>Astrophysical Journal</i> , 2012, 745, 117.	4.5	20
135	CO depletion in the Gould Belt clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 968-980.	4.4	20
136	The JCMT Gould Belt Survey: A First Look at IC 5146. <i>Astrophysical Journal</i> , 2017, 836, 132.	4.5	20
137	The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud. <i>Astrophysical Journal</i> , 2018, 856, 141.	4.5	19
138	ALMA Detections of the Youngest Protostars in Ophiuchus. <i>Astrophysical Journal</i> , 2018, 869, 158.	4.5	18
139	Molecular Line Observations of the Small Protostellar Group L1251B. <i>Astrophysical Journal</i> , 2007, 671, 1748-1765.	4.5	17
140	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
141	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
142	The Green Bank Ammonia Survey: Observations of Hierarchical Dense Gas Structures in Cepheus-L1251. <i>Astrophysical Journal</i> , 2017, 850, 3.	4.5	16
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