

Sergio Molinari

List of Publications by Year in descending order

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papers

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28274

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#	ARTICLE	IF	CITATIONS
1	The <i>Herschel</i> -SPIRE instrument and its in-flight performance. <i>Astronomy and Astrophysics</i> , 2010, 518, L3.	5.1	1,744
2	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
3	ATLASGAL – The APEX telescope large area survey of the galaxy at 870 μm . <i>Astronomy and Astrophysics</i> , 2009, 504, 415-427.	5.1	577
4	Clouds, filaments, and protostars: The <i>Herschel</i> Hi-GAL Milky Way. <i>Astronomy and Astrophysics</i> , 2010, 518, L100.	5.1	573
5	Characterizing interstellar filaments with <i>Herschel</i> in IC 5146. <i>Astronomy and Astrophysics</i> , 2011, 529, L6.	5.1	560
6	MIPSGAL: A Survey of the Inner Galactic Plane at 24 and 70 μm . <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 76-97.	3.1	535
7	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
8	<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
9	A 100 pc ELLIPTICAL AND TWISTED RING OF COLD AND DENSE MOLECULAR CLOUDS REVEALED BY <i>HERSCHEL</i> AROUND THE GALACTIC CENTER. <i>Astrophysical Journal Letters</i> , 2011, 735, L33.	8.3	270
10	Global collapse of molecular clouds as a formation mechanism for the most massive stars. <i>Astronomy and Astrophysics</i> , 2013, 555, A112.	5.1	259
11	Variations in the Galactic star formation rate and density thresholds for star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 987-1000.	4.4	254
12	Search for CO Outflows toward a Sample of 69 High-Mass Protostellar Candidates. II. Outflow Properties. <i>Astrophysical Journal</i> , 2005, 625, 864-882.	4.5	225
13	The Aquila prestellar core population revealed by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L106.	5.1	213
14	The evolution of the spectral energy distribution in massive young stellar objects. <i>Astronomy and Astrophysics</i> , 2008, 481, 345-365.	5.1	189
15	Hi-GAL, the <i>Herschel</i> infrared Galactic Plane Survey: photometric maps and compact source catalogues. <i>Astronomy and Astrophysics</i> , 2016, 591, A149.	5.1	189
16	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
17	Filaments and ridges in Vela γ 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
18	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

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19	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
20	Molecular gas kinematics within the central 250 pc of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2675-2702.	4.4	154
21	Dust temperature tracing the ISRF intensity in the Galaxy. <i>Astronomy and Astrophysics</i> , 2010, 518, L88.	5.1	151
22	G0.253 + 0.016: A MOLECULAR CLOUD PROGENITOR OF AN ARCHES-LIKE CLUSTER. <i>Astrophysical Journal</i> , 2012, 746, 117.	4.5	138
23	Search for CO Outflows toward a Sample of 69 High-Mass Protostellar Candidates: Frequency of Occurrence. <i>Astrophysical Journal</i> , 2001, 552, L167-L170.	4.5	136
24	<i>Herschel</i> -SPIRE observations of the Polaris flare: Structure of the diffuse interstellar medium at the sub-parsec scale. <i>Astronomy and Astrophysics</i> , 2010, 518, L104.	5.1	136
25	Characterizing precursors to stellar clusters with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2011, 535, A128.	5.1	129
26	The Hi-GAL compact source catalogue – I. The physical properties of the clumps in the inner Galaxy ($l \in [0^\circ, 180^\circ]$, $b \in [-1^\circ, 1^\circ]$). <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 100-143.	4.4	125
27	Large-scale filaments associated with Milky Way spiral arms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4043-4049.	4.4	115
28	Search for massive protostar candidates in the southern hemisphere. <i>Astronomy and Astrophysics</i> , 2006, 447, 221-233.	5.1	114
29	The <i>Herschel</i> first look at protostars in the Aquila rift. <i>Astronomy and Astrophysics</i> , 2010, 518, L85.	5.1	112
30	Data reduction pipeline for the Hi-GAL survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 2932-2943.	4.4	110
31	Candidate super star cluster progenitor gas clouds possibly triggered by close passage to Sgr A*. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 433, L15-L19.	3.3	104
32	Source extraction and photometry for the far-infrared and sub-millimeter continuum in the presence of complex backgrounds. <i>Astronomy and Astrophysics</i> , 2011, 530, A133.	5.1	101
33	THE IDENTIFICATION OF FILAMENTS ON FAR-INFRARED AND SUBMILLIMETER IMAGES: MORPHOLOGY, PHYSICAL CONDITIONS AND RELATION WITH STAR FORMATION OF FILAMENTARY STRUCTURE. <i>Astrophysical Journal</i> , 2014, 791, 27.	4.5	99
34	The physical and chemical structure of Sagittarius B2. <i>Astronomy and Astrophysics</i> , 2016, 588, A143.	5.1	99
35	EChO. <i>Experimental Astronomy</i> , 2012, 34, 311-353.	3.7	98
36	THE FIRST Hi-GAL OBSERVATIONS OF THE OUTER GALAXY: A LOOK AT STAR FORMATION IN THE THIRD GALACTIC QUADRANT IN THE LONGITUDE RANGE $l \in [216^\circ, 225^\circ]$. <i>Astrophysical Journal</i> , 2013, 772, 45.	4.5	98

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37	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
38	<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
39	Variations of the spectral index of dust emissivity from Hi-GAL observations of the Galactic plane. <i>Astronomy and Astrophysics</i> , 2010, 520, L8.	5.1	90
40	Mapping the column density and dust temperature structure of IRDCs with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L98.	5.1	90
41	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
42	Multitemperature mapping of dust structures throughout the Galactic Plane using the PPMAP tool with <i>Herschel</i> Hi-GAL data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2730-2742.	4.4	87
43	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
44	The Formation of Massive Stars. I. High-Resolution Millimeter and Radio Studies of High-Mass Protostellar Candidates. <i>Astrophysical Journal</i> , 2002, 570, 758-778.	4.5	75
45	IRAS 23385+6053: A Prototype Massive Class 0 Object. <i>Astrophysical Journal</i> , 1998, 505, L39-L42.	4.5	70
46	The <i>Herschel</i> view of the massive star-forming region NGC 6334. <i>Astronomy and Astrophysics</i> , 2013, 554, A42.	5.1	69
47	Search for massive protostellar candidates in the southern hemisphere. <i>Astronomy and Astrophysics</i> , 2005, 432, 921-935.	5.1	69
48	Tracing the Formation History of Giant Planets in Protoplanetary Disks with Carbon, Oxygen, Nitrogen, and Sulfur. <i>Astrophysical Journal</i> , 2021, 909, 40.	4.5	67
49	Star formation triggered by H II regions in our Galaxy. <i>Astronomy and Astrophysics</i> , 2010, 518, L101.	5.1	65
50	The earliest phases of high-mass star formation, as seen in NGC 6334 by <i>Herschel</i> -HOBYS. <i>Astronomy and Astrophysics</i> , 2017, 602, A77.	5.1	65
51	Searching for massive pre-stellar cores through observations of N_2H^+ and N_2D^+ . <i>Astronomy and Astrophysics</i> , 2006, 460, 709-720.	5.1	64
52	A necklace of dense cores in the high-mass star forming region G35.20+0.74N: ALMA observations. <i>Astronomy and Astrophysics</i> , 2014, 569, A11.	5.1	63
53	A <i>Herschel</i> study of YSO evolutionary stages and formation timelines in two fields of the Hi-GAL survey. <i>Astronomy and Astrophysics</i> , 2010, 518, L97.	5.1	60
54	SPIRE spectroscopy of the prototypical Orion Bar photodissociation region. <i>Astronomy and Astrophysics</i> , 2010, 518, L116.	5.1	59

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55	<i>Herschel</i> observations of the W43 α mini-starburst. <i>Astronomy and Astrophysics</i> , 2010, 518, L90.	5.1	57
56	Testing the Larson relations in massive clumps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2220-2242.	4.4	57
57	Evolution and excitation conditions of outflows in high-mass star-forming regions. <i>Astronomy and Astrophysics</i> , 2013, 557, A94.	5.1	56
58	The <i>Herschel</i> view of the on-going star formation in the Vela-C molecular cloud. <i>Astronomy and Astrophysics</i> , 2012, 539, A156.	5.1	54
59	Bipolar H α regions – Morphology and star formation in their vicinity. <i>Astronomy and Astrophysics</i> , 2015, 582, A1.	5.1	54
60	Outflow structure within 1000 au of high-mass YSOs. <i>Astronomy and Astrophysics</i> , 2016, 585, A71.	5.1	53
61	The SEDIGISM survey: First Data Release and overview of the Galactic structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3064-3082.	4.4	53
62	The initial conditions of stellar protocluster formation – II. A catalogue of starless and protostellar clumps embedded in IRDCs in the Galactic longitude range $15^\circ \leq l \leq 55^\circ$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3089-3106.	4.4	52
63	The physical properties of the dust in the RCW 120 H α region as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L99.	5.1	51
64	SiO outflows in high-mass star forming regions: A potential chemical clock?. <i>Astronomy and Astrophysics</i> , 2011, 526, L2.	5.1	51
65	Different evolutionary stages in massive star formation. <i>Astronomy and Astrophysics</i> , 2013, 550, A21.	5.1	50
66	<i>Herschel</i> observations of the Sagittarius B2 cores: Hydrides, warm CO, and cold dust. <i>Astronomy and Astrophysics</i> , 2013, 556, A137.	5.1	49
67	unimap: a generalized least-squares map maker for <i>Herschel</i> data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1471-1483.	4.4	49
68	The molecular complex associated with the Galactic H α region Sh2-90: a possible site of triggered star formation. <i>Astronomy and Astrophysics</i> , 2014, 566, A122.	5.1	48
69	DUST IN THE DIFFUSE EMISSION OF THE GALACTIC PLANE: THE <i>HERSCHEL</i> / <i>SPITZER</i> SPECTRAL ENERGY DISTRIBUTION FITTING. <i>Astrophysical Journal Letters</i> , 2010, 724, L44-L47.	8.3	47
70	Giving physical significance to the HI-GAL data: determining the distance of cold dusty cores in the Milky Way. <i>Astronomy and Astrophysics</i> , 2011, 526, A151.	5.1	47
71	CALIBRATION OF EVOLUTIONARY DIAGNOSTICS IN HIGH-MASS STAR FORMATION. <i>Astrophysical Journal Letters</i> , 2016, 826, L8.	8.3	47
72	Physical properties of high-mass clumps in different stages of evolution. <i>Astronomy and Astrophysics</i> , 2013, 556, A16.	5.1	45

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73	The Hi-GAL compact source catalogue – II. The 360° catalogue of clump physical properties. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2742-2766.	4.4	45
74	A molecular-line study of clumps with embedded high-mass protostar candidates. Astronomy and Astrophysics, 2001, 370, 230-264.	5.1	44
75	The <i>Herschel</i> view of star formation in the Rosette molecular cloud under the influence of NGC 2244. Astronomy and Astrophysics, 2010, 518, L83.	5.1	43
76	Evolution of interstellar dust with <i>Herschel</i> . First results in the photodissociation regions of NGC 7023. Astronomy and Astrophysics, 2010, 518, L96.	5.1	43
77	Massive 70- μ m quiet clumps – II. Non-thermal motions driven by gravity in massive star formation?. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4975-4985.	4.4	41
78	The Hi-GAL catalogue of dusty filamentary structures in the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5420-5456.	4.4	40
79	Recent star formation in the Lupus clouds as seen by <i>Herschel</i> . Astronomy and Astrophysics, 2013, 549, L1.	5.1	39
80	The ASKAP/EMU Source Finding Data Challenge. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	39
81	An analysis of star formation with <i>Herschel</i> in the Hi-GAL survey. Astronomy and Astrophysics, 2013, 549, A130.	5.1	38
82	A MULTI-WAVELENGTH INVESTIGATION OF RCW175: AN H II REGION HARBORING SPINNING DUST EMISSION. Astrophysical Journal, 2012, 754, 94.	4.5	37
83	The Carina Nebula and Gum 31 molecular complex – I. Molecular gas distribution, column densities, and dust temperatures. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2406-2424.	4.4	37
84	Infrared and Millimetric Study of the Young Outflow Cepheus E. Astrophysical Journal, 2001, 555, 146-159.	4.5	36
85	First detection of the methylidyne cation (CH ⁺) fundamental rotational line with the <i>Herschel</i> /SPIRE FTS. Astronomy and Astrophysics, 2010, 518, L117.	5.1	35
86	The SEDIGISM survey: molecular clouds in the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3027-3049.	4.4	35
87	Infrared Space Observatory Spectroscopy of HH 7-11 Flow and Its Redshifted Counterpart. Astrophysical Journal, 2000, 538, 698-709.	4.5	35
88	Small-scale structure in the Rosette molecular cloud revealed by <i>Herschel</i> . Astronomy and Astrophysics, 2010, 518, L91.	5.1	34
89	<i>Herschel</i> observations of embedded protostellar clusters in the Rosette molecular cloud. Astronomy and Astrophysics, 2010, 518, L84.	5.1	34
90	The initial conditions for stellar protocluster formation. Astronomy and Astrophysics, 2016, 590, A72.	5.1	34

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91	INTERACTIONS OF THE INFRARED BUBBLE N4 WITH ITS SURROUNDINGS. <i>Astrophysical Journal</i> , 2016, 818, 95.	4.5	33
92	The prevalence of star formation as a function of Galactocentric radius. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3123-3129.	4.4	33
93	Properties of stellar clusters around high-mass young stars. <i>Astronomy and Astrophysics</i> , 2009, 503, 801-816.	5.1	32
94	Detection and characterization of a 500 μm dust emissivity excess in the Galactic plane using <i>Herschel</i> /Hi-GAL observations. <i>Astronomy and Astrophysics</i> , 2012, 537, A113.	5.1	32
95	The G305 star-forming complex: embedded massive star formation discovered by <i>Herschel</i> /Hi-GAL. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 402-415.	4.4	31
96	Filaments in the Lupus molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2036-2049.	4.4	31
97	Direct estimate of cirrus noise in <i>Herschel</i> /Hi-GAL images. <i>Astronomy and Astrophysics</i> , 2010, 518, L105.	5.1	30
98	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
99	On the shape of the mass-function of dense clumps in the Hi-GAL fields. <i>Astronomy and Astrophysics</i> , 2013, 551, A111.	5.1	28
100	Distance biases in the estimation of the physical properties of Hi-GAL compact sources – I. Clump properties and the identification of high-mass star-forming candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3682-3705.	4.4	28
101	Protoplanetary Disk Birth in Massive Star-forming Clumps: The Essential Role of the Magnetic Field. <i>Astrophysical Journal Letters</i> , 2021, 917, L10.	8.3	28
102	A Hi-GAL study of the high-mass star-forming region G29.96 \pm 0.02. <i>Astronomy and Astrophysics</i> , 2013, 552, A123.	5.1	28
103	IRAS 23385+6053: A candidate protostellar massive object. <i>Astronomy and Astrophysics</i> , 2004, 414, 299-315.	5.1	28
104	Detection of the 62 Micron Crystalline H ₂ O Ice Feature in Emission toward HH 7 with the <i>Infrared Space Observatory</i> Long-Wavelength Spectrometer. <i>Astrophysical Journal</i> , 1999, 521, L71-L74.	4.5	28
105	Cores in infrared dark clouds (IRDCs) seen in the Hi-GAL survey between $l = 300^\circ$ and 330° . <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1071-1082.	4.4	27
106	Spatial distribution of star formation related to ionized regions throughout the inner Galactic plane. <i>Astronomy and Astrophysics</i> , 2017, 605, A35.	5.1	27
107	Infrared emission of young HII regions: a <i>Herschel</i> /Hi-GAL study. <i>Astronomy and Astrophysics</i> , 2015, 579, A71.	5.1	26
108	Massive 70 μm quiet clumps I: evidence of embedded low/intermediate-mass star formation activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3882-3923.	4.4	26

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109	Multiline spectral imaging of dense cores in the Lupus molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 238-250.	4.4	25
110	Weak and Compact Radio Emission in Early High-mass Star-forming Regions. II. The Nature of the Radio Sources. <i>Astrophysical Journal</i> , 2019, 880, 99.	4.5	24
111	Distance of Hi-GAL sources. <i>Astronomy and Astrophysics</i> , 2021, 646, A74.	5.1	24
112	Nature of two massive protostellar candidates: IRAS 21307+5049 and IRAS 22172+5549. <i>Astronomy and Astrophysics</i> , 2004, 424, 179-195.	5.1	23
113	<i>HERSCHEL</i> REVEALS MASSIVE COLD CLUMPS IN NGC 7538. <i>Astrophysical Journal</i> , 2013, 773, 102.	4.5	23
114	The Milky Way rotation curve revisited. <i>Astronomy and Astrophysics</i> , 2017, 601, L5.	5.1	21
115	Physical properties of the Sh2-104 H α region as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L80.	5.1	20
116	Bipolar H α regions. <i>Astronomy and Astrophysics</i> , 2018, 617, A67.	5.1	20
117	A possible observational bias in the estimation of the virial parameter in virialized clumps. <i>Astronomy and Astrophysics</i> , 2018, 619, L7.	5.1	20
118	A subarcsecond study of the hot molecular core in G023.01 \hat{a} 00.41. <i>Astronomy and Astrophysics</i> , 2014, 565, A34.	5.1	19
119	Far-Infrared Spectroscopy of the HH 1/2 Outflow. <i>Astronomical Journal</i> , 2002, 123, 2010-2018.	4.7	19
120	Gamma-Light: High-Energy Astrophysics above 10 MeV. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 193-198.	0.4	18
121	<i>C³</i> , A Command-line Catalog Cross-match Tool for Large Astrophysical Catalogs. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 024005.	3.1	18
122	The role of spiral arms in Milky Way star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2361-2373.	4.4	18
123	Exploring the link between star and planet formation with Ariel. <i>Experimental Astronomy</i> , 2022, 53, 225-278.	3.7	18
124	The pre-ZAMS nature of Mol160/IRAS 23385+6053 confirmed by <i>Spitzer</i> . <i>Astronomy and Astrophysics</i> , 2008, 487, 1119-1128.	5.1	17
125	Discovery of weak 6.7 GHz CH ₃ OH masers in a sample of high-mass Hi-GAL sources. <i>Astronomy and Astrophysics</i> , 2014, 566, A18.	5.1	17
126	Multifractal analysis of the interstellar medium: first application to Hi-GAL observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 509-532.	4.4	17

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127	The census of dense cores in the Serpens region from the <i>Herschel</i> Gould Belt Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4257-4276.	4.4	17
128	CLUSTERING PROPERTIES OF FAR-INFRARED SOURCES IN HI-GAL SCIENCE DEMONSTRATION PHASE FIELDS. <i>Astrophysical Journal</i> , 2011, 735, 28.	4.5	16
129	CHARACTERIZING THE STRUCTURE OF DIFFUSE EMISSION IN HI-GAL MAPS. <i>Astrophysical Journal</i> , 2014, 788, 3.	4.5	16
130	Multiscale dynamics in star-forming regions: the interplay between gravity and turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4310-4324.	4.4	16
131	A Shock-Induced Photodissociation Region in the HH 80/81 Flow: Far-Infrared Spectroscopy. <i>Astrophysical Journal</i> , 2001, 547, 292-301.	4.5	16
132	Millimetre observations of the IRAS 18162~2048 outflow: evidence for cloud disruption around an intermediate-mass protostar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 347, 295-306.	4.4	15
133	<i>Herschel</i> -SPIRE spectroscopy of the DR21 molecular cloud core. <i>Astronomy and Astrophysics</i> , 2010, 518, L114.	5.1	15
134	Herschel, Spitzer and Magellan infrared observations of the star-forming region RCW 121 (IRAS 17149~3916).... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 606-621.	4.4	15
135	An analysis of star formation with <i>Herschel</i> in the Hi-GAL Survey. <i>Astronomy and Astrophysics</i> , 2017, 599, A7.	5.1	15
136	<i>Herschel</i> -SPIRE spectroscopy of G29.96-0.02: Fitting the full SED. <i>Astronomy and Astrophysics</i> , 2010, 518, L82.	5.1	15
137	The Galactic dynamics revealed by the filamentary structure in atomic hydrogen emission. <i>Astronomy and Astrophysics</i> , 2022, 662, A96.	5.1	15
138	ISOCAM Molecular Hydrogen Images of the Cepheus E Outflow. <i>Astronomical Journal</i> , 1998, 116, 1388-1395.	4.7	14
139	The initial conditions of high-mass star formation: radiative transfer models of IRDCs seen in the <i>Herschel</i> Hi-GAL survey. <i>Astronomy and Astrophysics</i> , 2011, 526, A159.	5.1	13
140	The Forgotten Quadrant Survey. <i>Astronomy and Astrophysics</i> , 2020, 633, A147.	5.1	13
141	Isolated starless cores in infrared dark clouds in the Hi-GAL survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 716-727.	4.4	12
142	Thermal balance and comparison of gas and dust properties of dense clumps in the Hi-GAL survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5355-5379.	4.4	12
143	The evolutionary status of protostellar clumps hosting class II methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2015-2041.	4.4	12
144	Physical properties of Galactic <i>Planck</i> cold cores revealed by the Hi-GAL survey. <i>Astronomy and Astrophysics</i> , 2016, 591, A105.	5.1	11

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146	IRAS 18511+0146: a proto Herbig Ae/Be cluster?. Astronomy and Astrophysics, 2007, 470, 977-989.	5.1	10
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