Annie Zavagno

List of Publications by Year
in descending order

137 papers	12,199 citations	31949 53 h-index	24961 109 g-index
138 all docs	138 docs citations	138 times ranked	4501 citing authors

#	Article	IF	Citations
1	TheHerschel-SPIRE instrument and its in-flight performance. Astronomy and Astrophysics, 2010, 518, L3.	2.1	1,744
2	From filamentary clouds to prestellar cores to the stellar IMF: Initial highlights from theHerschelGould Belt Survey. Astronomy and Astrophysics, 2010, 518, L102.	2.1	1,089
3	ATLASGAL â€“ The APEX telescope large area survey of the galaxy at 870Â$mathsf{mu}$m. Astronomy and Astrophysics, 2009, 504, 415-427.	2.1	577
4	Clouds, filaments, and protostars: TheHerschelâ€‰Hi-GAL Milky Way. Astronomy and Astrophysics, 2010, 518, L100.	2.1	573
5	Characterizing interstellar filaments withHerschelin IC 5146. Astronomy and Astrophysics, 2011, 529, L6.	2.1	560
6	Hi-GAL: The Herschel Infrared Galactic Plane Survey. Publications of the Astronomical Society of the Pacific, 2010, 122, 314-325.	1.0	440
7	A gallery of bubbles. Astronomy and Astrophysics, 2010, 523, A6.	2.1	287
8	A 100 pc ELLIPTICAL AND TWISTED RING OF COLD AND DENSE MOLECULAR CLOUDS REVEALED BY HERSCHEL AROUND THE GALACTIC CENTER. Astrophysical Journal Letters, 2011, 735, L33.	3.0	270
9	Cluster-formation in the Rosette molecular cloud at the junctions of filaments. Astronomy and Astrophysics, 2012, 540, L11.	2.1	267
10	The Aquila prestellar core population revealed byHerschel. Astronomy and Astrophysics, 2010, 518, L106.	2.1	213
11	Hi-GAL, theHerschelinfrared Galactic Plane Survey: photometric maps and compact source catalogues. Astronomy and Astrophysics, 2016, 591, A149.	2.1	189
12	Filamentary structures and compact objects in the Aquila and Polaris clouds observed byHerschel. Astronomy and Astrophysics, 2010, 518, L103.	2.1	188
13	Filaments and ridges in VelaÂC revealed byHerschel: from low-mass to high-mass star-forming sites. Astronomy and Astrophysics, 2011, 533, A94.	2.1	188
14	Triggered massive-star formation on the borders of Galactic Hâ€‰II regions. Astronomy and Astrophysics, 2005, 433, 565-577.	2.1	180
15	Initial highlights of the HOBYS key program, theHerschelimaging survey of OB young stellar objects. Astronomy and Astrophysics, 2010, 518, L77.	2.1	174
16	The ATLASGAL survey: a catalog of dust condensations in the Galactic plane. Astronomy and Astrophysics, 2014, 565, A75.	2.1	164
17	The spine of the swan: aHerschelstudy of theÂDR21 ridge and filaments in CygnusÂX. Astronomy and Astrophysics, 2012, 543, L3.	2.1	157
18	Dust temperature tracing the ISRF intensity in the Galaxy. Astronomy and Astrophysics, 2010, 518, L88.	2.1	151

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19	Herschel-SPIRE observations of the Polaris flare: Structure of the diffuse interstellar medium at the sub-parsec scale. Astronomy and Astrophysics, 2010, 518, L104.	2.1	136
20	MALT90: The Millimetre Astronomy Legacy Team 90 GHz Survey. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	131
21	Triggered star formation on the borders of the Galactic HÂiiÂregion RCWÂ120. Astronomy and Astrophysics, 2007, 472, 835-846.	2.1	130
22	Triggered massive-star formation onÂtheÂbordersÂofÂGalacticÂHâ€‰IIÂregions. Astronomy and Astrophysics, 2006, 446, 171-184.	2.1	130
23	The Hi-GAL compact source catalogue â€“ I. The physical properties of the clumps in the inner Galaxy (â˜‡71$_{.}^{circ}$0 < â„“ < 67$_{.}^{circ}$0). Monthly Notices of the Royal Astronomical Society, 2017, 471, 100-143.	1.6	125
24	Star formation around RCWÂ120, the perfect bubble. Astronomy and Astrophysics, 2009, 496, 177-190.	2.1	122
25	Galactic cold cores. Astronomy and Astrophysics, 2012, 541, A12.	2.1	114
26	TheHerschelfirst look at protostars in the Aquila rift. Astronomy and Astrophysics, 2010, 518, L85.	2.1	112
27	The Pipe Nebula as seen withHerschel: formation of filamentary structures by large-scale compression?. Astronomy and Astrophysics, 2012, 541, A63.	2.1	102
28	The space infrared telescope for cosmology and astrophysics: SPICA A joint mission between JAXA and ESA. Experimental Astronomy, 2009, 23, 193-219.	1.6	100
29	Star formation triggered by the Galactic HÂII region RCWÂ120. Astronomy and Astrophysics, 2010, 518, L81.	2.1	95
30	Triggered massive-star formation at the border of the HII region ShÂ104. Astronomy and Astrophysics, 2003, 408, L25-L28.	2.1	89
31	The dust properties of bubble Hâ€‰II regions as seen byHerschel. Astronomy and Astrophysics, 2012, 542, A10.	2.1	88
32	AHerschelstudy of the properties of starless cores in the Polaris Flare dark cloud region using PACS and SPIRE. Astronomy and Astrophysics, 2010, 518, L92.	2.1	87
33	SEDIGISM: Structure, excitation, and dynamics of the inner Galactic interstellar medium. Astronomy and Astrophysics, 2017, 601, A124.	2.1	79
34	TheHerschelview of massive star formation in G035.39â€“00.33: dense and cold filament of W48 undergoing a mini-starburst. Astronomy and Astrophysics, 2011, 535, A76.	2.1	79
35	Variation in dust properties in a dense filament of the Taurus molecular complex (L1506). Astronomy and Astrophysics, 2013, 559, A133.	2.1	77
36	Triggered star formation on the borders of the Galactic Hii region RCWÂ82. Astronomy and Astrophysics, 2009, 494, 987-1003.	2.1	76

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37	Characterizing filaments in regions of high-mass star formation: High-resolution submilimeter imaging of the massive star-forming complex NGC 6334 with ArTÃ©MiS. Astronomy and Astrophysics, 2016, 592, A54.	2.1	76
38	Triggered massive-star formation on the borders of Galactic Hâ€‰IIÂregions. Astronomy and Astrophysics, 2008, 482, 585-596.	2.1	74
39	Interstellar matter and star formation in W5-E. Astronomy and Astrophysics, 2012, 546, A74.	2.1	69
40	TheHerschelview of the massive star-forming region NGCÂ6334. Astronomy and Astrophysics, 2013, 554, A42.	2.1	69
41	Ionization compression impact on dense gas distribution and star formation. Astronomy and Astrophysics, 2014, 564, A106.	2.1	69
42	Detection of two power-law tails in the probability distribution functions of massive GMCs. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 453, L41-L45.	1.2	66
43	Near-IR integral field spectroscopy of ionizing stars and young stellar objects on the borders of HÂII regions. Astronomy and Astrophysics, 2010, 510, A32.	2.1	66
44	Star formation triggered by Hâ€‰II regions in our Galaxy. Astronomy and Astrophysics, 2010, 518, L101.	2.1	65
45	The earliest phases of high-mass star formation, as seen in NGC 6334 by Herschel-HOBYS. Astronomy and Astrophysics, 2017, 602, A77.	2.1	65
46	The earliest phases of high-mass star formation: the NGCÂ6334-NGCÂ6357 complex. Astronomy and Astrophysics, 2010, 515, A55.	2.1	65
47	SPIRE spectroscopy of the prototypical Orion Bar photodissociation region. Astronomy and Astrophysics, 2010, 518, L116.	2.1	59
48	ATLASGAL-selected massive clumps in the inner Galaxy. Astronomy and Astrophysics, 2016, 586, A149.	2.1	59
49	High-mass Star Formation through Filamentary Collapse and Clump-fed Accretion in G22. Astrophysical Journal, 2018, 852, 12.	1.6	58
50	Herschelobservations of the W43 â€œmini-starburstâ€• Astronomy and Astrophysics, 2010, 518, L90.	2.1	57
51	Age, size, and position of Hâ€‰ii regions in the Galaxy. Astronomy and Astrophysics, 2014, 568, A4.	2.1	57
52	Galactic cold cores:Herschelstudy of firstPlanckdetections. Astronomy and Astrophysics, 2010, 518, L93.	2.1	54
53	Bipolar Hâ€‰II regions â€“ Morphology and star formation in their vicinity. Astronomy and Astrophysics, 2015, 582, A1.	2.1	54
54	Galactic cold cores. Astronomy and Astrophysics, 2011, 527, A111.	2.1	53

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55	The SEDIGISM survey: First Data Release and overview of the Galactic structure. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3064-3082.	1.6	53
56	The physical properties of the dust in the RCWÂ120 Hâ€‰ii region asÂseen byHerschel. Astronomy and Astrophysics, 2010, 518, L99.	2.1	51
57	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.	3.0	50
58	The molecular complex associated with the Galactic Hâ€‰II region Sh2-90: a possible site of triggered star formation. Astronomy and Astrophysics, 2014, 566, A122.	2.1	48
59	Giving physical significance to the Hi-GAL data: determining theÂdistance of cold dusty cores in the Milky Way. Astronomy and Astrophysics, 2011, 526, A151.	2.1	47
60	Distinguishing between HII regions and planetary nebulae with Hi-GAL, WISE, MIPSGAL, and GLIMPSE. Astronomy and Astrophysics, 2012, 537, A1.	2.1	46
61	The Hi-GAL compact source catalogue â€“ II. The 360Â° catalogue of clump physical properties. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2742-2766.	1.6	45
62	TheHerschelview of star formation in the Rosette molecular cloud under the influence of NGCÂ2244. Astronomy and Astrophysics, 2010, 518, L83.	2.1	43
63	Evolution of interstellar dust withHerschel. First results in the photodissociation regions of NGCâ€‰7023. Astronomy and Astrophysics, 2010, 518, L96.	2.1	43
64	Ionisation impact of high-mass stars on interstellar filaments. Astronomy and Astrophysics, 2013, 550, A50.	2.1	42
65	The MÂ16 molecular complex under the influence of NGCâ€‰6611. Astronomy and Astrophysics, 2012, 542, A114.	2.1	40
66	MOPRA CO OBSERVATIONS OF THE BUBBLE H II REGION RCW 120. Astrophysical Journal, 2015, 800, 101.	1.6	40
67	The Hi-GAL catalogue of dusty filamentary structures in the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5420-5456.	1.6	40
68	Statistical study of OBÂstars in NGCÂ6334 and NGCÂ6357. Astronomy and Astrophysics, 2012, 538, A142.	2.1	39
69	FEEDBACK: a SOFIA Legacy Program to Study Stellar Feedback in Regions of Massive Star Formation. Publications of the Astronomical Society of the Pacific, 2020, 132, 104301.	1.0	38
70	Galactic cold cores. Astronomy and Astrophysics, 2015, 584, A92.	2.1	37
71	First detection of the methylidyne cation (CH⁺) fundamental rotational line with theHerschel/SPIRE FTS. Astronomy and Astrophysics, 2010, 518, L117.	2.1	35
72	The SEDIGISM survey: molecular clouds in the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3027-3049.	1.6	35

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73	Small-scale structure in the Rosette molecular cloud revealed byÂHerschel. Astronomy and Astrophysics, 2010, 518, L91.	2.1	34
74	Herschelobservations of embedded protostellar clusters inÂtheÂRosette molecular cloud. Astronomy and Astrophysics, 2010, 518, L84.	2.1	34
75	Sequential star formation at the periphery of the Hâ€‰II regions ShÂ217 and ShÂ219. Astronomy and Astrophysics, 2003, 399, 1135-1145.	2.1	34
76	Triggered massive-star formation on the borders of Galactic Hâ€‰II regions. Astronomy and Astrophysics, 2006, 458, 191-201.	2.1	34
77	Pillars and globules at the edges of Hâ€‰ii regions. Astronomy and Astrophysics, 2013, 560, A19.	2.1	33
78	INTERACTIONS OF THE INFRARED BUBBLE N4 WITH ITS SURROUNDINGS. Astrophysical Journal, 2016, 818, 95.	1.6	33
79	Stellar feedback and triggered star formation in the prototypical bubble RCW 120. Science Advances, 2021, 7, .	4.7	30
80	Herschel-SPIRE: design, ground test results, and predicted performance. Proceedings of SPIE, 2008, , .	0.8	29
81	Star formation towards the Galactic Hâ€‰II region RCW 120. Astronomy and Astrophysics, 2017, 600, A93.	2.1	29
82	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2018, 615, A114.	2.1	29
83	High-mass Starless Clumps in the Inner Galactic Plane: The Sample and Dust Properties. Astrophysical Journal, Supplement Series, 2017, 231, 11.	3.0	28
84	Triggered star formation at the borders of the Hâ€‰ii region ShÂ2-217. Astronomy and Astrophysics, 2011, 527, A62.	2.1	27
85	Spatial distribution of star formation related to ionized regions throughout the inner Galactic plane. Astronomy and Astrophysics, 2017, 605, A35.	2.1	27
86	Distance of Hi-GAL sources. Astronomy and Astrophysics, 2021, 646, A74.	2.1	24
87	HERSCHELREVEALS MASSIVE COLD CLUMPS IN NGC 7538. Astrophysical Journal, 2013, 773, 102.	1.6	23
88	Star formation in the filament of S254-S258 OB complex: a cluster in the process of being created. Astronomy and Astrophysics, 2015, 581, A5.	2.1	23
89	From forced collapse to Hâ€‰ii region expansion in Mon R2: Envelope density structure and age determination withHerschel. Astronomy and Astrophysics, 2015, 584, A4.	2.1	23
90	SCOPE: SCUBA-2 Continuum Observations of Pre-protostellar Evolution â€“ survey description and compact source catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2895-2908.	1.6	22

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91	Deep GeMS/GSAOI near-infrared observations of N159W in the Large Magellanic Cloud. Astronomy and Astrophysics, 2016, 592, A77.	2.1	21
92	The Milky Way rotation curve revisited. Astronomy and Astrophysics, 2017, 601, L5.	2.1	21
93	Herschelobservations of the Galactic Hâ€‰ii region RCWâ€‰79. Astronomy and Astrophysics, 2017, 602, A95.	2.1	21
94	Chemistry of Protostellar Clumps in the High-mass, Star-forming Filamentary Infrared Dark Cloud G034.43+00.24*. Astrophysical Journal, 2020, 901, 31.	1.6	21
95	Physical properties of the Sh2-104 Hâ€‰IIÂregion as seen byHerschel. Astronomy and Astrophysics, 2010, 518, L80.	2.1	20
96	Physical structure of the photodissociation regions in NGC 7023. Astronomy and Astrophysics, 2014, 569, A109.	2.1	20
97	Bipolar Hâ€¯II regions. Astronomy and Astrophysics, 2018, 617, A67.	2.1	20
98	The role of Galactic Hâ€¯II regions in the formation of filaments. Astronomy and Astrophysics, 2020, 638, A7.	2.1	20
99	The accretion history of high-mass stars: an ArTÃ©MiS pilot study of infrared dark clouds. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3482-3501.	1.6	18
100	Self-absorption in [Câ€¯II], ¹²CO, and Hâ€¯I in RCW120. Astronomy and Astrophysics, 2022, 659, A36.	2.1	18
101	NGC 6334 and NGC 6357: HÎ±kinematics and the nature of the Hâ€‰II regions. Astronomy and Astrophysics, 2016, 587, A135.	2.1	16
102	Lack of high-mass pre-stellar cores in the starless MDCs of NGC 6334. Astronomy and Astrophysics, 2019, 622, A99.	2.1	16
103	Hâ€¯II regions and high-mass starless clump candidates. Astronomy and Astrophysics, 2021, 646, A25.	2.1	16
104	Near-infrared imaging of RAFGL7009S. Astronomy and Astrophysics, 2002, 394, 225-229.	2.1	16
105	Herschel-SPIRE spectroscopy of the DR21 molecular cloud core. Astronomy and Astrophysics, 2010, 518, L114.	2.1	15
106	Deep near-infrared adaptive-optics observations of a young embedded cluster at the edge of the RCWâ€‰41 Hâ€‰II region. Astronomy and Astrophysics, 2015, 576, A110.	2.1	15
107	ALMA observations of RCW 120 Fragmentation at 0.01 pc scale. Astronomy and Astrophysics, 2018, 616, L10.	2.1	15
108	Herschel-SPIRE spectroscopy of G29.96-0.02: Fitting the full SED. Astronomy and Astrophysics, 2010, 518, L82.	2.1	15

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109	HERSCHELOBSERVATIONS OF THE W3 GMC (II): CLUES TO THE FORMATION OF CLUSTERS OF HIGH-MASS STARS. Astrophysical Journal, 2015, 809, 81.	1.6	14
110	The Origin of [C ii]Â158 Î¼m Emission toward the H ii Region Complex S235. Astrophysical Journal, 2019, 882, 11.	1.6	12
111	The SPIRE Instrument. EAS Publications Series, 2009, 34, 33-42.	0.3	11
112	The effects of ionization feedback on star formation: a case study of the M 16 Hâ€¯II region. Astronomy and Astrophysics, 2019, 627, A27.	2.1	11
113	NGC 6334 and NGC 6357. Astronomy and Astrophysics, 2017, 607, A86.	2.1	10
114	Probing the structure of a massive filament: ArTÃ©MiS 350 and 450 Î¼m mapping of the integral-shaped filament in Orion A. Astronomy and Astrophysics, 2021, 651, A36.	2.1	10
115	Bipolar HÂ<scp>ii</scp> regions produced by cloudâ€“cloud collisions. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	9
116	Hâ€¯II regions and high-mass starless clump candidates. Astronomy and Astrophysics, 2020, 637, A40.	2.1	9
117	APEX CO observations towards the photodissociation region of RCW 120. Astronomy and Astrophysics, 2020, 639, A93.	2.1	9
118	The Milky Way as a Star Formation Engine. , 2014, , .		9
119	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.	1.6	9
120	ISOCAM 3-12 Î¼m imaging of five galactic compact Hii regions. Astronomy and Astrophysics, 2001, 371, 312-327.	2.1	8
121	Calibration of the AKARI Far-Infrared Imaging Fourier-Transform Spectrometer. Publication of the Astronomical Society of Japan, 2010, 62, 1155-1166.	1.0	8
122	Herschel-HOBYS study of the earliest phases of high-mass star formation in NGC 6357. Astronomy and Astrophysics, 2019, 625, A134.	2.1	8
123	Cluster-formation in the Rosette molecular cloud at the junctions of filaments (Corrigendum). Astronomy and Astrophysics, 2013, 551, C1.	2.1	8
124	HerschelSPIRE-FTS observations of RCW 120. Astronomy and Astrophysics, 2015, 579, A10.	2.1	5
125	Multiwavelength study of the G345.5+1.5 region. Astronomy and Astrophysics, 2019, 623, A141.	2.1	5
126	Observations of star formation triggered by H ii regions. Proceedings of the International Astronomical Union, 2010, 6, 239-246.	0.0	4

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127	OB stars and YSO populations in the region of NGC 6334â€“NGC 6357 as seen with Gaia DR2. Astronomy and Astrophysics, 2020, 642, A21.	2.1	4
128	Mid-IR continuum in NGC 7027: evidence for the presence of hot amorphous carbon grains. Planetary and Space Science, 1995, 43, 1329-1332.	0.9	2
129	A Comprehensive Study of the Young Cluster IRAS 05100+3723: Properties, Surrounding Interstellar Matter, and Associated Star Formation. Astrophysical Journal, 2022, 926, 16.	1.6	2
130	Observation of triggering in the Milky Way. Proceedings of the International Astronomical Union, 2006, 2, 212-216.	0.0	1
131	ATLASGAL: the APEX Telescope Large Area Survey of the Galaxy. EAS Publications Series, 2011, 52, 129-134.	0.3	1
132	ATLASGAL, the APEX Telescope Large Area Survey of the Galaxy. Proceedings of the International Astronomical Union, 2009, 5, 780-780.	0.0	0
133	Correction of distortion for optimal image stacking in wide field adaptive optics: application to GeMS data. Proceedings of SPIE, 2016, , .	0.8	0
134	Induced Massive Star Formation in Dense Molecular Clouds Cometary Globules in HII Regions. Springer Proceedings in Physics, 1997, , 627-632.	0.1	0
135	Young Stellar Objects in L1641: A Submillimeter Continuum Study. Astrophysics and Space Science Library, 1997, , 177-178.	1.0	0
136	Star Formation, Triggering. , 2015, , 2351-2356.		0
137	Self-absorption in [Câ€¯II], ¹²CO, and Hâ€¯II in RCW120. Astronomy and Astrophysics, 2022, 660, C2.	2.1	0