

João Alves

List of Publications by Year in descending order

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179
papers

28,301
citations

15504

65
h-index

5679

162
g-index

181
all docs

181
docs citations

181
times ranked

13341
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A1.	5.1	6,364
2	The<i>Gaia</i>mission. Astronomy and Astrophysics, 2016, 595, A1.	5.1	4,509
3	<i>Gaia</i>Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	5.1	2,429
4	<i>Gaia</i>Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	5.1	1,590
5	CALIFA, the Calar Alto Legacy Integral Field Area survey. Astronomy and Astrophysics, 2012, 538, A8.	5.1	904
6	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A10.	5.1	638
7	ON THE STAR FORMATION RATES IN MOLECULAR CLOUDS. Astrophysical Journal, 2010, 724, 687-693.	4.5	574
8	The mass function of dense molecular cores and the origin of the IMF. Astronomy and Astrophysics, 2007, 462, L17-L21.	5.1	397
9	Internal structure of a cold dark molecular cloud inferred from the extinction of background starlight. Nature, 2001, 409, 159-161.	27.8	382
10	The Luminosity and Mass Function of the Trapezium Cluster: From B Stars to the Deuteriumâ€burning Limit. Astrophysical Journal, 2002, 573, 366-393.	4.5	325
11	N[¹² C]/N[¹² C]H ⁺ and C ¹⁸ O Depletion in a Cold Dark Cloud. Astrophysical Journal, 2002, 570, L101-L104.	4.5	318
12	STAR FORMATION RATES IN MOLECULAR CLOUDS AND THE NATURE OF THE EXTRAGALACTIC SCALING RELATIONS. Astrophysical Journal, 2012, 745, 190.	4.5	257
13	Mapping the interstellar dust with near-infrared observations: An optimized multi-band technique. Astronomy and Astrophysics, 2001, 377, 1023-1034.	5.1	242
14	The nature of LINER galaxies:. Astronomy and Astrophysics, 2013, 558, A43.	5.1	228
15	The COMPLETE Survey of Star-Forming Regions: Phase I Data. Astronomical Journal, 2006, 131, 2921-2933.	4.7	227
16	The CALIFA survey across the Hubble sequence. Astronomy and Astrophysics, 2015, 581, A103.	5.1	222
17	Mass-metallicity relation explored with CALIFA. Astronomy and Astrophysics, 2013, 554, A58.	5.1	209
18	CALIFA: a diameter-selected sample for an integral field spectroscopy galaxy survey. Astronomy and Astrophysics, 2014, 569, A1.	5.1	194

#	ARTICLE	IF	CITATIONS
19	CALIFA, the Calar Alto Legacy Integral Field Area survey. <i>Astronomy and Astrophysics</i> , 2016, 594, A36.	5.1	193
20	The Nature of the Dense Core Population in the Pipe Nebula: Thermal Cores Under Pressure. <i>Astrophysical Journal</i> , 2008, 672, 410-422.	4.5	187
21	A Large Catalog of Accurate Distances to Local Molecular Clouds: The Gaia DR2 Edition. <i>Astrophysical Journal</i> , 2019, 879, 125.	4.5	183
22	2MASS wide field extinction maps. <i>Astronomy and Astrophysics</i> , 2006, 454, 781-796.	5.1	181
23	Infrared [ITAL]L[/ITAL]-Band Observations of the Trapezium Cluster: A Census of Circumstellar Disks and Candidate Protostars. <i>Astronomical Journal</i> , 2000, 120, 3162-3176.	4.7	179
24	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 649, A6.	5.1	175
25	CALIFA, the Calar Alto Legacy Integral Field Area survey. <i>Astronomy and Astrophysics</i> , 2013, 549, A87.	5.1	170
26	Near-Infrared Imaging of Embedded Clusters: NGC 1333. <i>Astronomical Journal</i> , 1996, 111, 1964.	4.7	164
27	Evidence for Circumstellar Disks around Young Brown Dwarfs in the Trapezium Cluster. <i>Astrophysical Journal</i> , 2001, 558, L51-L54.	4.5	159
28	A sub-parsec resolution simulation of the Milky Way: global structure of the interstellar medium and properties of molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1836-1851.	4.4	159
29	CALIFA, the Calar Alto Legacy Integral Field Area survey. <i>Astronomy and Astrophysics</i> , 2015, 576, A135.	5.1	159
30	An ALMA study of the Orion Integral Filament. <i>Astronomy and Astrophysics</i> , 2018, 610, A77.	5.1	155
31	<i>Herschel-Planck</i> dust optical-depth and column-density maps. <i>Astronomy and Astrophysics</i> , 2014, 566, A45.	5.1	148
32	BRITE-Constellation: Nanosatellites for Precision Photometry of Bright Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2014, 126, 573-585.	3.1	145
33	The star formation history of CALIFA galaxies: Radial structures. <i>Astronomy and Astrophysics</i> , 2014, 562, A47.	5.1	142
34	A compendium of distances to molecular clouds in the Star Formation Handbook. <i>Astronomy and Astrophysics</i> , 2020, 633, A51.	5.1	141
35	G0.253 + 0.016: A MOLECULAR CLOUD PROGENITOR OF AN ARCHES-LIKE CLUSTER. <i>Astrophysical Journal</i> , 2012, 746, 117.	4.5	138
36	MALT90: The Millimetre Astronomy Legacy Team 90 GHz Survey. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	131

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37	Star formation along the Hubble sequence. <i>Astronomy and Astrophysics</i> , 2016, 590, A44.	5.1	128
38	Hipparcos distance estimates of the Ophiuchus and the Lupus cloud complexes. <i>Astronomy and Astrophysics</i> , 2008, 480, 785-792.	5.1	128
39	Molecular Excitation and Differential Gas-Phase Depletions in the IC 5146 Dark Cloud. <i>Astrophysical Journal</i> , 2001, 557, 209-225.	4.5	126
40	THE CALIFORNIA MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2009, 703, 52-59.	4.5	118
41	Infrared Extinction and the Structure of the IC 5146 Dark Cloud. <i>Astrophysical Journal</i> , 1999, 512, 250-259.	4.5	115
42	2MASS wide field extinction maps. <i>Astronomy and Astrophysics</i> , 2010, 512, A67.	5.1	111
43	3D shape of Orion A from <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2018, 619, A106.	5.1	106
44	2MASS wide field extinction maps. <i>Astronomy and Astrophysics</i> , 2011, 535, A16.	5.1	105
45	THE BONES OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2014, 797, 53.	4.5	105
46	Dust Extinction and Molecular Cloud Structure: L977. <i>Astrophysical Journal</i> , 1998, 506, 292-305.	4.5	104
47	The Dynamical State of Barnard 68: A Thermally Supported, Pulsating Dark Cloud. <i>Astrophysical Journal</i> , 2003, 586, 286-295.	4.5	104
48	Molecular clouds have power-law probability distribution functions. <i>Astronomy and Astrophysics</i> , 2015, 576, L1.	5.1	96
49	INSIGHTS ON THE STELLAR MASS-METALLICITY RELATION FROM THE CALIFA SURVEY. <i>Astrophysical Journal Letters</i> , 2014, 791, L16.	8.3	94
50	Larson's third law and the universality of molecular cloud structure. <i>Astronomy and Astrophysics</i> , 2010, 519, L7.	5.1	94
51	2MASS wide field extinction maps. <i>Astronomy and Astrophysics</i> , 2008, 489, 143-156.	5.1	92
52	SCHMIDT'S CONJECTURE AND STAR FORMATION IN MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2013, 778, 133.	4.5	88
53	A Galactic-scale gas wave in the solar neighbourhood. <i>Nature</i> , 2020, 578, 237-239.	27.8	86
54	Size distribution of circumstellar disks in the Trapezium cluster. <i>Astronomy and Astrophysics</i> , 2005, 441, 195-205.	5.1	82

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55	Fibers in the NGC 1333 proto-cluster. <i>Astronomy and Astrophysics</i> , 2017, 606, A123.	5.1	79
56	Star formation near the Sun is driven by expansion of the Local Bubble. <i>Nature</i> , 2022, 601, 334-337.	27.8	78
57	Extended stellar systems in the solar neighborhood. <i>Astronomy and Astrophysics</i> , 2019, 622, L13.	5.1	76
58	Correlation between Gas and Dust in Molecular Clouds: L977. <i>Astrophysical Journal</i> , 1999, 515, 265-274.	4.5	76
59	The Musca cloud: A 6 pc-long velocity-coherent, sonic filament. <i>Astronomy and Astrophysics</i> , 2016, 587, A97.	5.1	75
60	Structure of Protostellar Collapse Candidate B335 Derived from Near-Infrared Extinction Maps. <i>Astrophysical Journal</i> , 2001, 563, 903-918.	4.5	72
61	Extended stellar systems in the solar neighborhood. <i>Astronomy and Astrophysics</i> , 2019, 621, L3.	5.1	70
62	Dust properties of the dark cloud IC 5146. <i>Astronomy and Astrophysics</i> , 2003, 399, 1073-1082.	5.1	70
63	NTT and VLT diffraction limited imaging of Trumpler 14: revealing a massive core-halo cluster. <i>Astronomy and Astrophysics</i> , 2007, 476, 199-215.	5.1	68
64	Orion revisited. <i>Astronomy and Astrophysics</i> , 2012, 547, A97.	5.1	67
65	Gravitational collapse of the OMC-1 region. <i>Astronomy and Astrophysics</i> , 2017, 602, L2.	5.1	67
66	Near-IR imaging of Galactic massive clusters: Westerlund 2. <i>Astronomy and Astrophysics</i> , 2007, 466, 137-149.	5.1	67
67	The Night Sky at the Calar Alto Observatory. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 1186-1200.	3.1	66
68	The Thermal Structure of Gas in Prestellar Cores: A Case Study of Barnard 68. <i>Astrophysical Journal</i> , 2006, 645, 369-380.	4.5	64
69	The Infrared Extinction Law at Extreme Depth in a Dark Cloud Core. <i>Astrophysical Journal</i> , 2007, 664, 357-362.	4.5	64
70	Extended stellar systems in the solar neighborhood. <i>Astronomy and Astrophysics</i> , 2021, 645, A84.	5.1	64
71	Deep 3.8 Micron Observations of the Trapezium Cluster. <i>Astronomical Journal</i> , 2004, 128, 1254-1264.	4.7	63
72	Gravitational fragmentation caught in the act: the filamentary Musca molecular cloud. <i>Astronomy and Astrophysics</i> , 2016, 586, A27.	5.1	63

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73	X-Ray and Infrared Point Source Identification and Characteristics in the Embedded, Massive Star-Forming Region RCW 38. <i>Astronomical Journal</i> , 2006, 132, 1100-1125.	4.7	60
74	STAR FORMATION IN THE TAURUS FILAMENT L 1495: FROM DENSE CORES TO STARS. <i>Astrophysical Journal</i> , 2010, 725, 1327-1336.	4.5	58
75	Opacity broadening and interpretation of suprathreshold CO linewidths: Macroscopic turbulence and tangled molecular clouds. <i>Astronomy and Astrophysics</i> , 2016, 591, A104.	5.1	58
76	The shapes of column density PDFs. <i>Astronomy and Astrophysics</i> , 2017, 606, L2.	5.1	56
77	<i>Herschel-Planck</i> dust optical depth and column density maps. <i>Astronomy and Astrophysics</i> , 2016, 587, A106.	5.1	54
78	VISION – Vienna survey in Orion. <i>Astronomy and Astrophysics</i> , 2016, 587, A153.	5.1	54
79	On the difference between nuclear and contraction ages. <i>Astronomy and Astrophysics</i> , 2006, 453, 101-119.	5.1	54
80	NGC 2362: A Template for Early Stellar Evolution. <i>Astrophysical Journal</i> , 2001, 563, L73-L76.	4.5	54
81	<i>SPITZER</i> CENSUS OF STAR FORMATION ACTIVITY IN THE PIPE NEBULA. <i>Astrophysical Journal</i> , 2009, 704, 292-305.	4.5	52
82	Characterisation of the MALT90 Survey and the Mopra Telescope at 90 GHz. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	52
83	Orion revisited. <i>Astronomy and Astrophysics</i> , 2014, 564, A29.	5.1	50
84	Cosmography of OB stars in the solar neighbourhood. <i>Astronomy and Astrophysics</i> , 2015, 584, A26.	5.1	49
85	No evidence of mass segregation in massive young clusters. <i>Astronomy and Astrophysics</i> , 2009, 495, 147-155.	5.1	49
86	Discovery of Nonthermal X-Ray Emission from the Embedded Massive Star-forming Region RCW 38. <i>Astrophysical Journal</i> , 2002, 580, L161-L165.	4.5	45
87	From Dusty Filaments to Cores to Stars: An Infrared Extinction Study of Lupus 3. <i>Astrophysical Journal</i> , 2005, 629, 276-287.	4.5	44
88	The Nature of the Dense Core Population in the Pipe Nebula: Core and Cloud Kinematics from $C^{18}O$ Observations. <i>Astrophysical Journal</i> , 2007, 671, 1820-1831.	4.5	42
89	DEEP NEAR-INFRARED SURVEY OF THE PIPE NEBULA. II. DATA, METHODS, AND DUST EXTINCTION MAPS. <i>Astrophysical Journal</i> , 2010, 725, 2232-2250.	4.5	42
90	The Formation and Early Evolution of Young Massive Clusters. , 2014, , .		42

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91	Massive star formation in the W49 giant molecular cloud: Implications for the formation of massive star clusters. <i>Astronomy and Astrophysics</i> , 2005, 430, 481-489.	5.1	39
92	The Mice at play in the CALIFA survey. <i>Astronomy and Astrophysics</i> , 2014, 567, A132.	5.1	38
93	Aperture corrections for disk galaxy properties derived from the CALIFA survey. <i>Astronomy and Astrophysics</i> , 2013, 553, L7.	5.1	37
94	PPAK integral field spectroscopy survey of the Orion nebula. <i>Astronomy and Astrophysics</i> , 2007, 465, 207-217.	5.1	37
95	Uncovering the Beast: Discovery of Embedded Massive Stellar Clusters in W49A. <i>Astrophysical Journal</i> , 2003, 589, L45-L49.	4.5	35
96	Mass reservoirs surrounding massive infrared dark clouds. <i>Astronomy and Astrophysics</i> , 2011, 536, A48.	5.1	35
97	3D dynamics of the Orion cloud complex. <i>Astronomy and Astrophysics</i> , 2021, 647, A91.	5.1	35
98	HST, VLT, and NTT imaging search for wide companions to bona-fide and candidate brown dwarfs in the ChaI dark cloud. <i>Astronomy and Astrophysics</i> , 2002, 384, 999-1011.	5.1	35
99	Spatial Study with the Very Large Telescope of a New Resolved Edge-on Circumstellar Dust Disk Discovered at the Periphery of the ρ -Ophiuchi Dark Cloud. <i>Astrophysical Journal</i> , 2003, 586, 296-305.	4.5	35
100	2MASS wide-field extinction maps. <i>Astronomy and Astrophysics</i> , 2014, 565, A18.	5.1	34
101	VISION – Vienna survey in Orion. <i>Astronomy and Astrophysics</i> , 2019, 622, A149.	5.1	34
102	Envelope Structure of Starless Core L694-2 Derived from a Near-Infrared Extinction Map. <i>Astrophysical Journal</i> , 2003, 598, 1112-1126.	4.5	33
103	On the Three-dimensional Structure of Local Molecular Clouds. <i>Astrophysical Journal</i> , 2021, 919, 35.	4.5	33
104	HP2 survey. <i>Astronomy and Astrophysics</i> , 2017, 606, A100.	5.1	31
105	The Per-Tau Shell: A Giant Star-forming Spherical Shell Revealed by 3D Dust Observations. <i>Astrophysical Journal Letters</i> , 2021, 919, L5.	8.3	31
106	HIGH RESOLUTION NEAR-INFRARED SURVEY OF THE PIPE NEBULA. I. A DEEP INFRARED EXTINCTION MAP OF BARNARD 59. <i>Astrophysical Journal</i> , 2009, 704, 183-195.	4.5	29
107	Extended stellar systems in the solar neighborhood. <i>Astronomy and Astrophysics</i> , 2019, 624, L11.	5.1	29
108	Young massive star cluster formation in the Galactic Centre is driven by global gravitational collapse of high-mass molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 283-303.	4.4	29

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109	The mid-infrared extinction law in the darkest cores of the Pipe Nebula. <i>Astronomy and Astrophysics</i> , 2013, 549, A135.	5.1	28
110	Discovery of a Dusty Ring in the Coalsack: A Dense Core Caught in the Act of Formation?. <i>Astrophysical Journal</i> , 2004, 610, 303-312.	4.5	28
111	A simple perspective on the mass-area relationship in molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2579-2586.	4.4	27
112	APOGEE strings: A fossil record of the gas kinematic structure. <i>Astronomy and Astrophysics</i> , 2016, 589, A80.	5.1	25
113	Fitting density models to observational data. <i>Astronomy and Astrophysics</i> , 2013, 559, A90.	5.1	24
114	Extended stellar systems in the solar neighborhood. <i>Astronomy and Astrophysics</i> , 2020, 639, A64.	5.1	24
115	Constraints on Inner Disk Evolution Timescales: A Disk Census of the $\hat{\iota}$ Chamaeleontis Young Cluster. <i>Astrophysical Journal</i> , 2005, 627, L57-L60.	4.5	22
116	APERTURE EFFECTS ON THE OXYGEN ABUNDANCE DETERMINATIONS FROM CALIFA DATA. <i>Astrophysical Journal</i> , 2016, 826, 71.	4.5	22
117	The Night Sky at the Calar Alto Observatory II: The Sky at the Near-infrared. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 1244-1254.	3.1	21
118	A VERY LARGE TELESCOPE/NACO STUDY OF STAR FORMATION IN THE MASSIVE EMBEDDED CLUSTER RCW 38. <i>Astronomical Journal</i> , 2009, 138, 33-45.	4.7	21
119	STAR FORMATION ACROSS THE W3 COMPLEX. <i>Astronomical Journal</i> , 2015, 150, 80.	4.7	21
120	THE INEVITABLE FUTURE OF THE STARLESS CORE BARNARD 68. <i>Astrophysical Journal</i> , 2009, 695, 1308-1314.	4.5	20
121	KOMPANEETS MODEL FITTING OF THE ORIONâ€“ERIDANUS SUPERBUBBLE. II.Â“THINKING OUTSIDE OF BARNARDâ€“TMS LOOP. <i>Astrophysical Journal</i> , 2016, 827, 42.	4.5	20
122	A Solar System formation analogue in the Ophiuchus star-forming complex. <i>Nature Astronomy</i> , 2021, 5, 1009-1016.	10.1	20
123	Star formation in â€“the Brickâ€“: ALMA reveals an active protocluster in the Galactic centre cloud G0.253+0.016. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 77-95.	4.4	19
124	Discovery of new stellar groups in the Orion complex. <i>Astronomy and Astrophysics</i> , 2020, 643, A114.	5.1	19
125	Smoke in the Pipe Nebula: dust emission and grain growth in the starless core FeSt 1-457. <i>Astronomy and Astrophysics</i> , 2015, 580, A114.	5.1	18
126	The $\hat{\iota}$ Ophiuchi region revisited with <i>Gaia</i> EDR3. <i>Astronomy and Astrophysics</i> , 2021, 652, A2.	5.1	18

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127	Evidence for Radial Expansion at the Core of the Orion Complex with Gaia EDR3. <i>Astrophysical Journal</i> , 2021, 917, 21.	4.5	18
128	Hunting Galaxies to (and for) Extinction. <i>Astrophysical Journal</i> , 2008, 674, 831-845.	4.5	17
129	VISION - Vienna Survey in Orion. <i>Astronomy and Astrophysics</i> , 2018, 614, A65.	5.1	16
130	The centres of M83 and the Milky Way: opposite extremes of a common star formation cycle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4310-4337.	4.4	16
131	Discovery of new embedded Herbig-Haro objects in the Ophiuchi dark cloud. <i>Astronomy and Astrophysics</i> , 2001, 380, L1-L4.	5.1	15
132	Some like it cold: molecular emission and effective dust temperatures of dense cores in the Pipe Nebula. <i>Astronomy and Astrophysics</i> , 2014, 568, A27.	5.1	15
133	Estimating extinction using unsupervised machine learning. <i>Astronomy and Astrophysics</i> , 2017, 601, A137.	5.1	14
134	Constraining the distance to the North Polar Spur with Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5863-5872.	4.4	14
135	The MICADO first light imager for the ELT: overview, operation, simulation. , 2018, , .		13
136	Orion revisited. <i>Astronomy and Astrophysics</i> , 2017, 598, A124.	5.1	12
137	Single-Photon Technique for the Detection of Periodic Extraterrestrial Laser Pulses. <i>Astrobiology</i> , 2013, 13, 521-535.	3.0	11
138	The ρ Ophi star ρ Ophi as seen by BRITe-Constellation. <i>Astronomy and Astrophysics</i> , 2016, 588, A54.	5.1	11
139	Evidence of a vertical kinematic oscillation beyond the Radcliffe wave. <i>Astronomy and Astrophysics</i> , 2022, 660, L12.	5.1	11
140	BARNARD 59: NO EVIDENCE FOR FURTHER FRAGMENTATION. <i>Astrophysical Journal</i> , 2012, 747, 149.	4.5	10
141	Gas absorption and dust extinction towards the Orion Nebula Cluster. <i>Astronomy and Astrophysics</i> , 2016, 593, A7.	5.1	10
142	Water and methanol ice in L 1544. <i>Astronomy and Astrophysics</i> , 2021, 651, A53.	5.1	10
143	Probable detection of H_2D^+ in the starless core Barnard 68. <i>Astronomy and Astrophysics</i> , 2006, 454, L59-L62.	5.1	9
144	Herschel-Planck dust optical-depth and column-density maps (Corrigendum). <i>Astronomy and Astrophysics</i> , 2014, 568, C1.	5.1	9

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145	SimCADO: an instrument data simulator package for MICADO at the E-ELT., 2016, , .		9
146	AVIATOR: Morphological object reconstruction in 3D. <i>Astronomy and Astrophysics</i> , 2020, 633, A132.	5.1	9
147	Probing the Cold Deep Depths of the California Molecular Cloud: The Icy Relationship between CO and Dust. <i>Astrophysical Journal</i> , 2021, 908, 76.	4.5	9
148	A wide survey for circumstellar disks in the Lupus complex. <i>Astronomy and Astrophysics</i> , 2020, 642, A86.	5.1	9
149	X Marks the Spot: Nexus of Filaments, Cores, and Outflows in a Young Star-forming Region. <i>Astrophysical Journal</i> , 2017, 840, 119.	4.5	8
150	Not so different after all: properties and spatial structure of column density peaks in the pipe and Orion A clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4429-4443.	4.4	7
151	Mass segregation in young clusters: observational biases. <i>Astrophysics and Space Science</i> , 2009, 324, 113-119.	1.4	6
152	The HP2 Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A24.	5.1	6
153	The CARMA-NRO Orion Survey: Core Emergence and Kinematics in the Orion A Cloud. <i>Astrophysical Journal</i> , 2019, 882, 45.	4.5	6
154	Edge-on disk around the T Tauri star [MR81] H α 17 NE in Corona Australis. <i>Astronomy and Astrophysics</i> , 2009, 496, 777-786.	5.1	5
155	<i>Gaia</i> Data Release 1. <i>Astronomy and Astrophysics</i> , 2017, 605, A52.	5.1	5
156	The extinction law from photometric data: linear regression methods. <i>Astronomy and Astrophysics</i> , 2012, 540, A139.	5.1	4
157	A new method to unveil embedded stellar clusters. <i>Astronomy and Astrophysics</i> , 2017, 608, A13.	5.1	4
158	The Massive Star Forming Region RCW 38 from X-Rays to Molecular Gas. <i>Springer Proceedings in Physics</i> , 1997, , 637-640.	0.2	3
159	Determination of the mass function of extra-galactic GMCs via NIR color maps. <i>Astronomy and Astrophysics</i> , 2007, 468, 581-585.	5.1	2
160	Observations of Star Formation. <i>Symposium - International Astronomical Union</i> , 2004, 221, 3-15.	0.1	1
161	The structure of molecular clouds from pc to AU scale. <i>Astrophysics and Space Science</i> , 2004, 289, 259-263.	1.4	1
162	Simulated low-intensity optical pulsar observation with single-photon detector. <i>Astronomy and Astrophysics</i> , 2015, 574, A9.	5.1	1

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163	3D shape of Orion A with <i>Gaia</i> DR2 An informed view on Star Formation Rates and Efficiencies. Proceedings of the International Astronomical Union, 2018, 14, 27-33.	0.0	1
164	The future of IMF studies with the ELT and MICADO. Astronomy and Astrophysics, 2020, 639, A120.	5.1	1
165	Near-infrared reddening of extra-galactic giant molecular clouds in a face-on geometry. Astronomy and Astrophysics, 2008, 482, 229-236.	5.1	1
166	The Substellar Luminosity and Mass Functions of the Trapezium Cluster Down to the Deuterium Burning Limit. Symposium - International Astronomical Union, 2003, 211, 67-68.	0.1	0
167	Molecular clouds in galaxies as seen from NIR extinction studies. Proceedings of the International Astronomical Union, 2006, 2, 204-207.	0.0	0
168	Insights on molecular cloud structure. Proceedings of the International Astronomical Union, 2010, 6, 99-102.	0.0	0
169	Molecular clouds have power-law PDFs (not log-normal). Proceedings of the International Astronomical Union, 2015, 11, 706-707.	0.0	0
170	A physically motivated core definition applied to dust emission observations of the Pipe nebula. Proceedings of the International Astronomical Union, 2018, 14, 259-260.	0.0	0
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