

Leonardo Bronfman

List of Publications by Year in descending order

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166
papers

8,365
citations

44069

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89
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168
all docs

168
docs citations

168
times ranked

5004
citing authors

#	ARTICLE	IF	CITATIONS
1	VISTA Variables in the Via Lactea (VVV): The public ESO near-IR variability survey of the Milky Way. New Astronomy, 2010, 15, 433-443.	1.8	698
2	ATLASGAL “ The APEX telescope large area survey of the galaxy at 870 μ m. Astronomy and Astrophysics, 2009, 504, 415-427.	5.1	577
3	VVV DR1: The first data release of the Milky Way bulge and southern plane from the near-infrared ESO public survey VISTA variables in the V α L α ctea. Astronomy and Astrophysics, 2012, 537, A107.	5.1	312
4	Extended Mosaic Observations with the Cosmic Background Imager. Astrophysical Journal, 2004, 609, 498-512.	4.5	305
5	A gallery of bubbles. Astronomy and Astrophysics, 2010, 523, A6.	5.1	287
6	The Anisotropy of the Microwave Background tol= 3500: Deep Field Observations with the Cosmic Background Imager. Astrophysical Journal, 2003, 591, 540-555.	4.5	262
7	The Anisotropy of the Microwave Background tol= 3500: Mosaic Observations with the Cosmic Background Imager. Astrophysical Journal, 2003, 591, 556-574.	4.5	253
8	A CO survey of the southern Milky Way - The mean radial distribution of molecular clouds within the solar circle. Astrophysical Journal, 1988, 324, 248.	4.5	208
9	SIMBA survey of southern high-mass star forming regions. Astronomy and Astrophysics, 2004, 426, 97-103.	5.1	195
10	ATLASGAL “ compact source catalogue: 330 $^{\circ}$ \times 21 $^{\circ}$. Astronomy and Astrophysics, 2013, 549, A45.	5.1	194
11	ATLASGAL “ towards a complete sample of massive star forming clumpsâ.... Monthly Notices of the Royal Astronomical Society, 2014, 443, 1555-1586.	4.4	175
12	Polarization Observations with the Cosmic Background Imager. Science, 2004, 306, 836-844.	12.6	174
13	The ATLASGAL survey: a catalog of dust condensations in the Galactic plane. Astronomy and Astrophysics, 2014, 565, A75.	5.1	164
14	Cosmological Parameters from Cosmic Background Imager Observations and Comparisons with BOOMERANG, DASI, and MAXIMA. Astrophysical Journal, 2003, 591, 599-622.	4.5	160
15	Ammonia from cold high-mass clumps discovered in the inner Galactic disk by the ATLASGAL survey. Astronomy and Astrophysics, 2012, 544, A146.	5.1	157
16	First Intrinsic Anisotropy Observations with the Cosmic Background Imager. Astrophysical Journal, 2001, 549, L1-L5.	4.5	133
17	MALT90: The Millimetre Astronomy Legacy Team 90 GHz Survey. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	131
18	ATLASGAL “ environments of 6.7 GHz methanol masers. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1752-1776.	4.4	128

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19	Molecular clouds in the Carina arm - Large-scale properties of molecular gas and comparison with H I. <i>Astrophysical Journal</i> , 1987, 315, 122.	4.5	127
20	Molecular clouds in the Carina arm - The largest objects, associated regions of star formation, and the Carina arm in the Galaxy. <i>Astrophysical Journal</i> , 1988, 331, 181.	4.5	124
21	ATLASGAL â€“ properties of compact Hâ€™ii regions and their natal clumpsâ€™.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 400-428.	4.4	108
22	W43: the closest molecular complex of the Galactic bar?. <i>Astronomy and Astrophysics</i> , 2011, 529, A41.	5.1	106
23	ATLASGAL â€“ Kinematic distances and the dense gas mass distribution of the inner Galaxy. <i>Astronomy and Astrophysics</i> , 2015, 579, A91.	5.1	93
24	LOW-VELOCITY SHOCKS TRACED BY EXTENDED SiO EMISSION ALONG THE W43 RIDGES: WITNESSING THE FORMATION OF YOUNG MASSIVE CLUSTERS. <i>Astrophysical Journal</i> , 2013, 775, 88.	4.5	92
25	ATLASGAL â€“ Complete compact source catalogue: 280Â°<i>â„“</i> 60Â°. <i>Astronomy and Astrophysics</i> , 2014, 568, A41.	5.1	91
26	Implications of the Cosmic Background Imager Polarization Data. <i>Astrophysical Journal</i> , 2007, 660, 976-987.	4.5	89
27	A deep CO survey of molecular clouds in the southern Milky Way. <i>Astrophysical Journal, Supplement Series</i> , 1989, 71, 481.	7.7	85
28	CH 3 CN Observations toward Southern Massive Starâ€™forming Regions. <i>Astrophysical Journal, Supplement Series</i> , 2005, 157, 279-301.	7.7	84
29	FIRST SEASON QUIET OBSERVATIONS: MEASUREMENTS OF COSMIC MICROWAVE BACKGROUND POLARIZATION POWER SPECTRA AT 43 GHz IN THE MULTIPOLE RANGE 25 â€½ \$ell\$ â€½ 475. <i>Astrophysical Journal</i> , 2011, 741, 111.		84
30	SECOND SEASON QUIET OBSERVATIONS: MEASUREMENTS OF THE COSMIC MICROWAVE BACKGROUND POLARIZATION POWER SPECTRUM AT 95 GHz. <i>Astrophysical Journal</i> , 2012, 760, 145.	4.5	79
31	SEDIGISM: Structure, excitation, and dynamics of the inner Galactic interstellar medium. <i>Astronomy and Astrophysics</i> , 2017, 601, A124.	5.1	79
32	Spiral Structure in the Outer Galactic Disk. I. The Third Galactic Quadrant. <i>Astrophysical Journal</i> , 2008, 672, 930-939.	4.5	76
33	The Tokyoâ€™Onsalaâ€™ESOâ€™Calan Galactic CO J â€™=â€™2â€™1 Survey. I. The Galactic Center Region. <i>Astrophysical Journal, Supplement Series</i> , 2001, 136, 189-219.	7.7	74
34	STAR-FORMING DENSE CLOUD CORES IN THE TeV GAMMA-RAY SNR RX J1713.7â€™3946. <i>Astrophysical Journal</i> , 2010, 724, 59-68.	4.5	68
35	Discovery of Four New Massive and Dense Cold Cores. <i>Astrophysical Journal</i> , 2004, 610, 313-319.	4.5	65
36	Supernova Remnants Associated with Molecular Clouds in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 1997, 480, 607-617.	4.5	64

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37	GIANT MOLECULAR CLOUDS AND MASSIVE STAR FORMATION IN THE SOUTHERN MILKY WAY. Astrophysical Journal, Supplement Series, 2014, 212, 2.	7.7	60
38	Search for starless clumps in the ATLASGAL survey. Astronomy and Astrophysics, 2012, 540, A113.	5.1	59
39	Molecular Outflows and a Mid-Infrared Census of the Massive Star Formation Region Associated with IRAS 18507+0121. Astrophysical Journal, 2007, 669, 464-482.	4.5	59
40	The ATLASGAL survey: distribution of cold dust in the Galactic plane. Astronomy and Astrophysics, 2016, 585, A104.	5.1	54
41	Molecular Gas, Kinematics, and OB Star Formation in the Spiral Arms of the Southern Milky Way. Astrophysical Journal, 2006, 641, 938-948.	4.5	53
42	ALMA survey of massive cluster progenitors from ATLASGAL. Astronomy and Astrophysics, 2017, 600, L10.	5.1	53
43	MOLECULAR OUTFLOWS WITHIN THE FILAMENTARY INFRARED DARK CLOUD G34.43+0.24. Astrophysical Journal, 2010, 715, 18-32.	4.5	51
44	SiO outflows in high-mass star forming regions: A potential chemical clock?. Astronomy and Astrophysics, 2011, 526, L2.	5.1	51
45	New achievements of ASTE: the Atacama Submillimeter Telescope Experiment. Proceedings of SPIE, 2008, , .	0.8	50
46	Clumpy photon-dominated regions in Carina. Astronomy and Astrophysics, 2008, 477, 547-555.	5.1	50
47	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
48	The Trumpler 14 photodissociation region in the Carina Nebula. Astronomy and Astrophysics, 2003, 412, 751-765.	5.1	50
49	Dustâ€“Gas Scaling Relations and OH Abundance in the Galactic ISM. Astrophysical Journal, 2018, 862, 49.	4.5	49
50	GALACTIC STRUCTURE BASED ON THE ATLASGAL 870 Î¼m SURVEY. Astrophysical Journal, 2012, 747, 43.	4.5	48
51	Characterization of infrared dark clouds. Astronomy and Astrophysics, 2013, 552, A40.	5.1	46
52	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ I. Survey description and a first look at G9.62+0.19. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2790-2820.	4.4	45
53	Where is OH and Does It Trace the Dark Molecular Gas (DMG)?. Astrophysical Journal, Supplement Series, 2018, 235, 1.	7.7	42
54	The rotation of the Galaxy within the solar circle. Astrophysical Journal, 1990, 348, 495.	4.5	42

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55	Distance Limits on the Bright X-Ray Emission toward the Galactic Center: Evidence for a Very Hot Interstellar Medium in the Galactic X-Ray Bulge. <i>Astrophysical Journal</i> , 2000, 545, 290-300.	4.5	40
56	CBI limits on 31 GHz excess emission in southern H II regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 297-307.	4.4	39
57	STAR FORMATION LAWS IN BOTH GALACTIC MASSIVE CLUMPS AND EXTERNAL GALAXIES: EXTENSIVE STUDY WITH DUST CONTINUUM, HCN (4-3), AND CS (7-6). <i>Astrophysical Journal</i> , 2016, 829, 59.	4.5	38
58	Molecular clouds in the Carina arm. <i>Astrophysical Journal</i> , 1985, 290, L15.	4.5	37
59	A survey of the Galactic center region in HCO ⁺ , H ¹³ CO ⁺ , and SiO. <i>Astronomy and Astrophysics</i> , 2010, 523, A45.	5.1	34
60	A Parsec-Scale Flow Associated with the IRAS 16547-4247 Radio Jet. <i>Astrophysical Journal</i> , 2003, 594, L131-L134.	4.5	32
61	THE SLOW IONIZED WIND AND ROTATING DISKLIKE SYSTEM THAT ARE ASSOCIATED WITH THE HIGH-MASS YOUNG STELLAR OBJECT G345.4938+01.4677. <i>Astrophysical Journal</i> , 2014, 796, 117.	4.5	32
62	Discovery of a Massive Protostar near IRAS 18507+0121. <i>Astrophysical Journal</i> , 2004, 602, 850-859.	4.5	31
63	Dust-correlated cm wavelength continuum emission from translucent clouds in Oph and LDN 1780. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2424-2435.	4.4	30
64	Anomalous Radio Emission from Dust in the Helix. <i>Astrophysical Journal</i> , 2004, 603, 599-610.	4.5	29
65	Control of deviations and prediction of surface roughness from micro machining of THz waveguides using acoustic emission signals. <i>Mechanical Systems and Signal Processing</i> , 2017, 85, 1020-1034.	8.0	29
66	An ATCA survey of Sagittarius B2 at 7 Åmm: chemical complexity meets broad-band interferometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3969-3993.	4.4	28
67	Submillimeter line emission from LMC N159W: a dense, clumpy PDR in a low metallicity environment. <i>Astronomy and Astrophysics</i> , 2008, 482, 197-208.	5.1	27
68	The CO ₂₋₁ Ratio in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2001, 551, 794-802.	4.5	27
69	Discovery of an energetic bipolar molecular outflow towards IRAS 16547-4247. <i>Astronomy and Astrophysics</i> , 2007, 463, 217-224.	5.1	25
70	Interferometric Mapping of Magnetic Fields: The Massive Star-forming Region G34.4+0.23 MM. <i>Astrophysical Journal</i> , 2008, 676, 464-471.	4.5	25
71	The University of Tokyo Atacama Observatory 6.5m telescope project. <i>Proceedings of SPIE</i> , 2010, , .	0.8	25
72	^{12}CO and [C] I at the centers of NGC 4945 and Circinus. <i>Astronomy and Astrophysics</i> , 2008, 479, 75-82.	5.1	24

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73	Chemistry of the High-mass Protostellar Molecular Clump IRAS 16562-3959. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 45.	7.7	23
74	ATOMS: ALMA three-millimeter observations of massive star-forming regions – III. Catalogues of candidate hot molecular cores and hyper/ultra compact H ₂ regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2801-2818.	4.4	23
75	Optimized Corrugated Tapered Slot Antenna for mm-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 1227-1235.	5.1	22
76	Dust spectrum and polarisation at 850 μ m in the massive IRDC G035.39-00.33. <i>Astronomy and Astrophysics</i> , 2018, 620, A26.	5.1	22
77	Complex Dielectric Permittivity of Engineering and 3D-Printing Polymers at Q-Band. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 1140-1147.	2.2	22
78	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP). II. Survey Overview: A First Look at 1.3 mm Continuum Maps and Molecular Outflows. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 20.	7.7	22
79	Atomic Carbon in the Southern Milky Way. <i>Astrophysical Journal</i> , 2005, 623, 889-896.	4.5	21
80	The University of Tokyo Atacama 1.0-m Telescope. <i>Proceedings of SPIE</i> , 2010, , .	0.8	20
81	ATOMS: ALMA three-millimeter observations of massive star-forming regions – II. Compact objects in ACA observations and star formation scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2821-2835.	4.4	20
82	Spatially resolved near-infrared spectroscopy of the massive star-forming region IRAS 19410+2336. <i>Astronomy and Astrophysics</i> , 2008, 489, 229-243.	5.1	19
83	Temperature and Density in the Foot Points of the Molecular Loops in the Galactic Center; Analysis of Multi- J Transitions of ^{12}CO ($J = 1 \rightarrow 0$, $3 \rightarrow 2$, $4 \rightarrow 3$, $7 \rightarrow 6$), ^{13}CO ($J = 1 \rightarrow 0$), and C^{18}O ($J = 2 \rightarrow 1$). <i>ApJ</i> , 2013, 762, 10.	10.7	19
84	Massive star formation in the GMC G345.5+1.0: spatial distribution of the dust emission. <i>Astronomy and Astrophysics</i> , 2011, 534, A131.	5.1	18
85	A Calibrated Digital Sideband Separating Spectrometer for Radio Astronomy Applications. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 263-269.	3.1	18
86	ALMA observations of the Th π 28 protostellar disk. <i>Astronomy and Astrophysics</i> , 2016, 596, A88.	5.1	18
87	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP). I. Detection of New Hot Corinos with the ACA. <i>Astrophysical Journal</i> , 2020, 898, 107.	4.5	18
88	Photon dominated regions in NGC 3603. <i>Astronomy and Astrophysics</i> , 2011, 525, A8.	5.1	17
89	Molecular Clouds and Young Massive Stars in the Galactic Disk. <i>Astrophysics and Space Science Library</i> , 1992, , 131-154.	2.7	17
90	Vela X at 31 GHz. <i>Astrophysical Journal</i> , 2004, 613, 977-985.	4.5	16

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91	Discovery of an Extremely High Velocity, Massive, and Compact Molecular Outflow in Norma. <i>Astrophysical Journal</i> , 2008, 672, 391-397.	4.5	16
92	ALMA Observations Reveal No Preferred Outflow-filament and Outflow-magnetic Field Orientations in Protoclusters. <i>Astrophysical Journal</i> , 2020, 890, 44.	4.5	16
93	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of Extremely High-density Compact Structure of Prestellar Cores and Multiple Substructures Within. <i>Astrophysical Journal Letters</i> , 2021, 907, L15.	8.3	16
94	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): A Hot Corino Survey toward Protostellar Cores in the Orion Cloud. <i>Astrophysical Journal</i> , 2022, 927, 218.	4.5	16
95	Massive star formation in the southern Milky Way. <i>Astrophysics and Space Science</i> , 2008, 313, 81-85.	1.4	15
96	FOUR HIGHLY LUMINOUS MASSIVE STAR-FORMING REGIONS IN THE NORMA SPIRAL ARM. II. DEEP NEAR-INFRARED IMAGING. <i>Astrophysical Journal</i> , 2010, 710, 583-596.	4.5	14
97	A comparison of density structures of a star forming and a non-star-forming globule. <i>Astronomy and Astrophysics</i> , 2007, 463, 1029-1037.	5.1	13
98	Site evaluations of the summit of Co. Chajnantor for infrared observations. <i>Proceedings of SPIE</i> , 2008, , .	0.8	12
99	ALMA OBSERVATIONS OF THE MASSIVE MOLECULAR OUTFLOW G331.512-0.103. <i>Astrophysical Journal Letters</i> , 2013, 774, L7.	8.3	12
100	PHYSICAL CHARACTERISTICS OF G331.5-0.1: THE LUMINOUS CENTRAL REGION OF A GIANT MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2013, 774, 38.	4.5	12
101	TRACING H ₂ COLUMN DENSITY WITH ATOMIC CARBON (C I) AND CO ISOTOPOLOGS. <i>Astrophysical Journal Letters</i> , 2014, 797, L17.	8.3	12
102	A Sideband-separating Receiver with a Calibrated Digital If-Hybrid Spectrometer for the Millimeter Band. <i>Publications of the Astronomical Society of the Pacific</i> , 2014, 126, 380-385.	3.1	12
103	Kinetic temperatures toward X1/X2 orbit interceptions regions and giant molecular loops in the Galactic center region. <i>Astronomy and Astrophysics</i> , 2013, 549, A36.	5.1	11
104	Large-scale Map of Millimeter-wavelength Hydrogen Radio Recombination Lines around a Young Massive Star Cluster. <i>Astrophysical Journal Letters</i> , 2017, 844, L25.	8.3	11
105	ALMA Observations of the Massive Molecular Outflow G331.512-0.103. II. Physical Properties, Kinematics, and Geometry Modeling. <i>Astrophysical Journal</i> , 2019, 872, 200.	4.5	11
106	FOUR HIGHLY LUMINOUS MASSIVE STAR-FORMING REGIONS IN THE NORMA SPIRAL ARM. I. MOLECULAR GAS AND DUST OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 710, 567-582.	4.5	10
107	A Compact Sideband Separating Downconverter With Excellent Return Loss and Good Conversion Gain for the W Band. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2019, 9, 572-580.	3.1	10
108	A Dual Ridge Broadband Orthomode Transducer for the 7-mm Band. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 1203-1210.	2.2	9

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109	Construction and Measurement of a 31.3â€‘45 GHz Optimized Spline-profile Horn with Corrugations. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 17-24.	2.2	9
110	THE Q/U IMAGING EXPERIMENT: POLARIZATION MEASUREMENTS OF THE GALACTIC PLANE AT 43 AND 95 GHz. Astrophysical Journal, 2015, 811, 89.	4.5	9
111	Infrared dark clouds on the far side of the Galaxy. Astronomy and Astrophysics, 2015, 580, L7.	5.1	9
112	High Efficiency Wideband Refractive Optics for ALMA Band-1 (35-52 GHz). Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 261-275.	2.2	9
113	Revealing the CO X-factor in Dark Molecular Gas through Sensitive ALMA Absorption Observations. Astrophysical Journal Letters, 2020, 889, L4.	8.3	9
114	Isocyanic acid (HNCO) in the hot molecular core G331.512-0.103: observations and chemical modelling. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4428-4444.	4.4	9
115	An ALMA study of outflow parameters of protoclusters: outflow feedback to maintain the turbulence. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4316-4334.	4.4	9
116	Infall, outflow, and turbulence in massive star-forming cores in the G333 giant molecular cloud. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3246-3257.	4.4	8
117	G345.45+1.50: an expanding ring-like structure with massive star formation. Astronomy and Astrophysics, 2016, 595, A88.	5.1	8
118	G331.512â€‘0.103: An Interstellar Laboratory for Molecular Synthesis. I. The Ortho-to-para Ratios for CH ₃ OH and CH ₃ CN. Astrophysical Journal, 2018, 853, 152.	4.5	8
119	The University of Tokyo Atacama 1.0-m telescope. , 2008, , .		7
120	THE DISCOVERY OF A MOLECULAR CAVITY IN THE NORMA NEAR ARM ASSOCIATED WITH H.E.S.S. γ -RAY SOURCE LOCATED IN THE DIRECTION OF WESTERLUND 1. Astrophysical Journal Letters, 2010, 713, L45-L49.	8.3	7
121	Ultra-pure digital sideband separation at sub-millimeter wavelengths. Astronomy and Astrophysics, 2015, 584, A3.	5.1	7
122	Large-scale CO (<i>J</i> =4â€‘3) mapping toward the Orion-A giant molecular cloud. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	7
123	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Deriving Inclination Angle and Velocity of the Protostellar Jets from Their SiO Knots. Astrophysical Journal Letters, 2022, 931, L5.	8.3	7
124	The Cosmic Background Imager 2. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2720-2729.	4.4	6
125	Scaled up low-mass star formation in massive star-forming cores in the G333 giant molecular cloud. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3429-3442.	4.4	6
126	13CO in the southern Galactic plane. , 1988, , 318-319.		6

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127	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of a Dense SiO Jet in the Evolved Protostellar Phase. <i>Astrophysical Journal</i> , 2022, 925, 11.	4.5	6
128	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Evidence for a Molecular Jet Launched at an Unprecedented Early Phase of Protostellar Evolution. <i>Astrophysical Journal</i> , 2022, 931, 130.	4.5	6
129	¹² CO(3-2) Emission in Spiral Galaxies: Warm Molecular Gas in Action?. <i>Astrophysical Journal</i> , 2008, 677, L13-L16.	4.5	5
130	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€” X. Chemical differentiation among the massive cores in G9.62+0.19. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4419-4440.	4.4	5
131	Carbon monoxide in the environs of the star WR 16. <i>Astronomy and Astrophysics</i> , 2013, 551, A71.	5.1	4
132	Systematic study of the cross polarization introduced by broadband antireflection layers at microwave frequencies. <i>Applied Optics</i> , 2018, 57, 9223.	1.8	4
133	Unusual Galactic H ii Regions at the Intersection of the Central Molecular Zone and the Far Dust Lane. <i>Astrophysical Journal</i> , 2020, 901, 51.	4.5	4
134	A Spectral Survey of CH ₃ CCH in the Hot Molecular Core G331.512-0.103. <i>Astrophysical Journal</i> , 2022, 925, 3.	4.5	4
135	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): How Do Dense Core Properties Affect the Multiplicity of Protostars?. <i>Astrophysical Journal</i> , 2022, 931, 158.	4.5	4
136	C18O in the Chamaeleon I dark cloud. <i>Astrophysics and Space Science</i> , 1990, 171, 219-221.	1.4	3
137	Design of the optical system for ALMA band 1. , 2014, , .		3
138	FPGA-based digital signal processing for the next generation radio astronomy instruments: ultra-pure sideband separation and polarization detection. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
139	Characterization of dense <i>Planck</i> clumps observed with <i>Herschel</i> and SCUBA-2. <i>Astronomy and Astrophysics</i> , 2021, 654, A123.	5.1	3
140	The molecular environment of the Galactic star forming region G19.61â€”0.23. <i>Astronomy and Astrophysics</i> , 2010, 520, A50.	5.1	3
141	Development of a Transportable Telescope for Galactic Survey at 500 GHz in Antarctica. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 15-24.	3.1	2
142	Molecules, dust, and protostars in NGC 3503. <i>Astronomy and Astrophysics</i> , 2014, 565, A30.	5.1	2
143	Omnidirectional bond-wire array antenna for 60 GHz wireless communication. , 2015, , .		2
144	A broadband Orthomode Transducer for the new ALMA band 2+3 (67â€”116 GHz). , 2016, , .		2

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145	A Compact Metamaterial-Based Antenna for Multiband Phased Array Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 8872-8877.	5.1	2
146	New evidence on the origin of the microquasar GRO J1655-40. Astronomy and Astrophysics, 2007, 467, 597-602.	5.1	2
147	The University of Tokyo Atacama Observatory 6.5m telescope: project overview and current status. , 2018, , .		2
148	Disk-Halo interaction: The molecular clouds in the Galactic center region. Journal of Physics: Conference Series, 2012, 372, 012027.	0.4	1
149	New capabilities for the Southern 1.2m mm-Wave Telescope. Proceedings of SPIE, 2012, , .	0.8	1
150	The interplay between the young stellar super cluster Westerlund 1, and the surrounding interstellar medium. EPJ Web of Conferences, 2012, 19, 08006.	0.3	1
151	Sgr A West in the light of molecules: cold and dense gas east of the circumnuclear disk. Proceedings of the International Astronomical Union, 2013, 9, 86-88.	0.0	1
152	The infrared K-band identification of the DSO/G2 source from VLT and Keck data. Proceedings of the International Astronomical Union, 2013, 9, 269-273.	0.0	1
153	A digital sideband-separating receiver for the millimeter band. Proceedings of SPIE, 2014, , .	0.8	1
154	Overview of University of Tokyo Atacama Observatory 6.5m telescope project. Proceedings of SPIE, 2014, , .	0.8	1
155	$^{12}\text{CO}(J=3\rightarrow 2)$ detections in bulges of low surface brightness galaxies with APEX. Proceedings of the International Astronomical Union, 2007, 3, 191-192.	0.0	0
156	Amplification system of ALMA Band 1. , 2010, , .		0
157	ALMA band 1 development at Universidad de Chile. , 2012, , .		0
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