Alberto Bolatto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5019665/publications.pdf

Version: 2024-02-01

245 papers	18,886 citations	13827 67 h-index	14702 127 g-index
249 all docs	249 docs citations	249 times ranked	7038 citing authors

#	Article	IF	Citations
1	The CO-to-H₂ Conversion Factor. Annual Review of Astronomy and Astrophysics, 2013, 51, 207-268.	8.1	1,518
2	High molecular gas fractions in normal massive star-forming galaxies in the young Universe. Nature, 2010, 463, 781-784.	13.7	807
3	A study of the gas-star formation relation over cosmic timeâ˜.... Monthly Notices of the Royal Astronomical Society, 0, 407, 2091-2108.	1.6	776
4	PHIBSS: MOLECULAR GAS CONTENT AND SCALING RELATIONS INzâˆ¼ 1-3 MASSIVE, MAIN-SEQUENCE STAR-FORMING GALAXIES. Astrophysical Journal, 2013, 768, 74.	1.6	752
5	CALIBRATING EXTINCTION-FREE STAR FORMATION RATE DIAGNOSTICS WITH 33 GHz FREE-FREE EMISSION IN NGC 6946. Astrophysical Journal, 2011, 737, 67.	1.6	598
6	MOLECULAR GAS AND STAR FORMATION IN NEARBY DISK GALAXIES. Astronomical Journal, 2013, 146, 19.	1.9	505
7	COMBINED CO AND DUST SCALING RELATIONS OF DEPLETION TIME AND MOLECULAR GAS FRACTIONS WITH COSMIC TIME, SPECIFIC STAR-FORMATION RATE, AND STELLAR MASS. Astrophysical Journal, 2015, 800, 20.	1.6	482
8	PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions*. Astrophysical Journal, 2018, 853, 179.	1.6	467
9	THE CO-TO-H₂CONVERSION FACTOR FROM INFRARED DUST EMISSION ACROSS THE LOCAL GROUP. Astrophysical Journal, 2011, 737, 12.	1.6	461
10	The Resolved Properties of Extragalactic Giant Molecular Clouds. Astrophysical Journal, 2008, 686, 948-965.	1.6	418
11	THE CO-TO-H₂CONVERSION FACTOR AND DUST-TO-GAS RATIO ON KILOPARSEC SCALES IN NEARBY GALAXIES. Astrophysical Journal, 2013, 777, 5.	1.6	418
12	KINGFISHâ€"Key Insights on Nearby Galaxies: A Far-Infrared Survey withHerschel: Survey Description and Image Atlas1. Publications of the Astronomical Society of the Pacific, 2011, 123, 1347-1369.	1.0	349
13	Highâ€Resolution Measurements of the Halos of Four Dark Matterâ€"Dominated Galaxies: Deviations from a Universal Density Profile. Astrophysical Journal, 2005, 621, 757-776.	1.6	277
14	Cool outflows in galaxies and their implications. Astronomy and Astrophysics Review, 2020, 28, 1.	9.1	253
15	THE METALLICITY DEPENDENCE OF THE CO â†' H₂CONVERSION FACTOR INzâ©¾ 1 STAR-FORMING GALAXIES. Astrophysical Journal, 2012, 746, 69.	1.6	232
16	Suppression of star formation in the galaxy NGC 253 by a starburst-driven molecular wind. Nature, 2013, 499, 450-453.	13.7	217
17	HERSCHELFAR-INFRARED AND SUBMILLIMETER PHOTOMETRY FOR THE KINGFISH SAMPLE OF NEARBY GALAXIES. Astrophysical Journal, 2012, 745, 95.	1.6	209
18	Cloud-scale Molecular Gas Properties in 15 Nearby Galaxies. Astrophysical Journal, 2018, 860, 172.	1.6	182

#	Article	IF	Citations
19	TheSpitzerSurvey of the Small Magellanic Cloud: Farâ€Infrared Emission and Cold Gas in the Small Magellanic Cloud. Astrophysical Journal, 2007, 658, 1027-1046.	1.6	178
20	THE STATE OF THE GAS AND THE RELATION BETWEEN GAS AND STAR FORMATION AT LOW METALLICITY: THE SMALL MAGELLANIC CLOUD. Astrophysical Journal, 2011, 741, 12.	1.6	178
21	TheSpitzerSurvey of the Small Magellanic Cloud: S3MC Imaging and Photometry in the Midâ€•and Farâ€Infrared Wave Bands. Astrophysical Journal, 2007, 655, 212-232.	1.6	176
22	WHAT DRIVES THE EXPANSION OF GIANT H II REGIONS?: A STUDY OF STELLAR FEEDBACK IN 30 DORADUS. Astrophysical Journal, 2011, 731, 91.	1.6	167
23	PHANGSâ€“ALMA: Arcsecond CO(2â€“1) Imaging of Nearby Star-forming Galaxies. Astrophysical Journal, Supplement Series, 2021, 257, 43.	3.0	161
24	[C II] 158 Î¼m EMISSION AS A STAR FORMATION TRACER. Astrophysical Journal, 2015, 800, 1.	1.6	158
25	ALMA REVEALS THE MOLECULAR MEDIUM FUELING THE NEAREST NUCLEAR STARBURST. Astrophysical Journal, 2015, 801, 25.	1.6	157
26	ESTIMATING THE STAR FORMATION RATE AT 1 kpc SCALES IN NEARBY GALAXIES. Astronomical Journal, 2012, 144, 3.	1.9	155
27	The Molecular Interstellar Medium of Dwarf Galaxies on Kiloparsec Scales: A New Survey for CO in Northern,IRASâ€detected Dwarf Galaxies. Astrophysical Journal, 2005, 625, 763-784.	1.6	149
28	THE EMISSION BY DUST AND STARS OF NEARBY GALAXIES IN THEHERSCHELKINGFISH SURVEY. Astrophysical Journal, 2011, 738, 89.	1.6	145
29	THE MULTI-PHASE COLD FOUNTAIN IN M82 REVEALED BY A WIDE, SENSITIVE MAP OF THE MOLECULAR INTERSTELLAR MEDIUM. Astrophysical Journal, 2015, 814, 83.	1.6	136
30	The EDGE-CALIFA Survey: Interferometric Observations of 126 Galaxies with CARMA. Astrophysical Journal, 2017, 846, 159.	1.6	136
31	THE HERschel INVENTORY OF THE AGENTS OF GALAXY EVOLUTION IN THE MAGELLANIC CLOUDS, A HERSCHEL OPEN TIME KEY PROGRAM. Astronomical Journal, 2013, 146, 62.	1.9	135
32	A Parallactic Distance of documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{ enewcommandmdefault{wncyr} enewcommandsfdefault{wncyss} enewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{extcyr}	1.6	133
33	Highâ€Resolution Measurements of the Dark Matter Halo of NGC 2976: Evidence for a Shallow Density Profile. Astrophysical Journal, 2003, 596, 957-981.	1.6	131
34	MISALIGNMENT OF MAGNETIC FIELDS AND OUTFLOWS IN PROTOSTELLAR CORES. Astrophysical Journal, 2013, 768, 159.	1.6	130
35	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGEHERSCHELKEY PROJECT. I. DUST PROPERTIES AND INSIGHTS INTO THE ORIGIN OF THE SUBMILLIMETER EXCESS EMISSION. Astrophysical Journal, 2014, 797, 85.	1.6	125
36	Cloud-scale ISM Structure and Star Formation in M51. Astrophysical Journal, 2017, 846, 71.	1.6	119

#	Article	IF	Citations
37	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE HERSCHEL KEY PROJECT. II. GAS-TO-DUST RATIO VARIATIONS ACROSS INTERSTELLAR MEDIUM PHASES. Astrophysical Journal, 2014, 797, 86.	1.6	112
38	MODELING DUST AND STARLIGHT IN GALAXIES OBSERVED BYSPITZERANDHERSCHEL: NGC 628 AND NGC 6946. Astrophysical Journal, 2012, 756, 138.	1.6	110
39	THE ROLE OF STELLAR FEEDBACK IN THE DYNAMICS OF H II REGIONS. Astrophysical Journal, 2014, 795, 121.	1.6	109
40	ALMA MULTI-LINE IMAGING OF THE NEARBY STARBURST NGC 253. Astrophysical Journal, 2015, 801, 63.	1.6	109
41	Quasar Feedback in the Ultraluminous Infrared Galaxy F11119+3257: Connecting the Accretion Disk Wind with the Large-scale Molecular Outflow. Astrophysical Journal, 2017, 843, 18.	1.6	108
42	CO (Jâ€‰=â€‰7â†’6) Observations of NGC 253: Cosmicâ€Rayâ€“heated Warm Molecular Gas. Astrophysical Journal, 2003, 586, 891-901.	1.6	106
43	The SAURON project - XV. Modes of star formation in early-type galaxies and the evolution of the red sequence. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2140-2186.	1.6	104
44	Molecular Gas in the Lowâ€Metallicity, Starâ€forming Dwarf IC 10. Astrophysical Journal, 2006, 643, 825-843.	1.6	103
45	The Radio Spectral Energy Distribution and Star-formation Rate Calibration in Galaxies. Astrophysical Journal, 2017, 836, 185.	1.6	102
46	Submillijansky Transients in Archival Radio Observations. Astrophysical Journal, 2007, 666, 346-360.	1.6	99
47	THESPITZERSURVEY OF THE SMALL MAGELLANIC CLOUD (S³MC): INSIGHTS INTO THE LIFE CYCLE OF POLYCYCLIC AROMATIC HYDROCARBONS. Astrophysical Journal, 2010, 715, 701-723.	1.6	99
48	THE EMPIRE SURVEY: SYSTEMATIC VARIATIONS IN THE DENSE GAS FRACTION AND STAR FORMATION EFFICIENCY FROM FULL-DISK MAPPING OF M51. Astrophysical Journal Letters, 2016, 822, L26.	3.0	98
49	THE STRUCTURE OF A LOW-METALLICITY GIANT MOLECULAR CLOUD COMPLEX. Astrophysical Journal, 2009, 702, 352-367.	1.6	92
50	A PORTRAIT OF COLD GAS IN GALAXIES AT 60 pc RESOLUTION AND A SIMPLE METHOD TO TEST HYPOTHESES THAT LINK SMALL-SCALE ISM STRUCTURE TO GALAXY-SCALE PROCESSES. Astrophysical Journal, 2016, 831, 16.	1.6	92
51	A Giant Outburst at Millimeter Wavelengths in the Orion Nebula. Astrophysical Journal, 2003, 598, 1140-1150.	1.6	89
52	DUST CONTINUUM EMISSION AS A TRACER OF GAS MASS IN GALAXIES. Astrophysical Journal, 2015, 799, 96.	1.6	89
53	Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. Astrophysical Journal, 2020, 892, 148.	1.6	88
54	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. Astrophysical Journal Letters, 2020, 901, L8.	3.0	85

#	Article	IF	Citations
55	EMPIRE: The IRAM 30 m Dense Gas Survey of Nearby Galaxies. Astrophysical Journal, 2019, 880, 127.	1.6	84
56	RESOLVING THE FAR-IR LINE DEFICIT: PHOTOELECTRIC HEATING AND FAR-IR LINE COOLING IN NGC 1097 AND NGC 4559. Astrophysical Journal, 2012, 747, 81.	1.6	83
57	CARMA SURVEY TOWARD INFRARED-BRIGHT NEARBY GALAXIES (STING). II. MOLECULAR GAS STAR FORMATION LAW AND DEPLETION TIME ACROSS THE BLUE SEQUENCE. Astrophysical Journal, 2012, 745, 183.	1.6	80
58	Dense Molecular Gas Tracers in the Outflow of the Starburst Galaxy NGC 253. Astrophysical Journal, 2017, 835, 265.	1.6	80
59	THE SPATIALLY RESOLVED COOLING LINE DEFICIT IN GALAXIES. Astrophysical Journal, 2017, 834, 5.	1.6	79
60	PHANGSâ€“ALMA Data Processing and Pipeline. Astrophysical Journal, Supplement Series, 2021, 255, 19.	3.0	79
61	PHIBSS: MOLECULAR GAS, EXTINCTION, STAR FORMATION, AND KINEMATICS IN THEz= 1.5 STAR-FORMING GALAXY EGS13011166. Astrophysical Journal, 2013, 773, 68.	1.6	78
62	A Semianalytical Model for the Observational Properties of the Dominant Carbon Species at Different Metallicities. Astrophysical Journal, 1999, 513, 275-286.	1.6	77
63	The rarity of dust in metal-poor galaxies. Nature, 2014, 505, 186-189.	13.7	75
64	Dense Gas, Dynamical Equilibrium Pressure, and Star Formation in Nearby Star-forming Galaxies. Astrophysical Journal, 2018, 858, 90.	1.6	75
65	Physical conditions of the interstellar medium of high-redshift, strongly lensed submillimetre galaxies from theâ€‚Herschel-ATLASâ˜…. Monthly Notices of the Royal Astronomical Society, 2011, 415, 3473-3484.	1.6	73
66	THESPITZERSPECTROSCOPIC SURVEY OF THE SMALL MAGELLANIC CLOUD (S⁴MC): PROBING THE PHYSICAL STATE OF POLYCYCLIC AROMATIC HYDROCARBONS IN A LOW-METALLICITY ENVIRONMENT. Astrophysical Journal, 2012, 744, 20.	1.6	73
67	The Origins of [C ii] Emission in Local Star-forming Galaxies. Astrophysical Journal, 2017, 845, 96.	1.6	73
68	DISK AND ENVELOPE STRUCTURE IN CLASS 0 PROTOSTARS. II. HIGH-RESOLUTION MILLIMETER MAPPING OF THE SERPENS SAMPLE. Astrophysical Journal, Supplement Series, 2011, 195, 21.	3.0	72
69	TRACING THE BIPOLAR OUTFLOW FROM ORION SOURCE I. Astrophysical Journal, 2009, 704, L25-L28.	1.6	71
70	Physical Properties of Molecular Clouds at 2 pc Resolution in the Low-metallicity Dwarf Galaxy NGC 6822 and the Milky Way. Astrophysical Journal, 2017, 835, 278.	1.6	69
71	Forming Super Star Clusters in the Central Starburst of NGC 253. Astrophysical Journal, 2018, 869, 126.	1.6	68
72	CARMA SURVEY TOWARD INFRARED-BRIGHT NEARBY GALAXIES (STING): MOLECULAR GAS STAR FORMATION LAW IN NGC 4254. Astrophysical Journal, 2011, 730, 72.	1.6	64

#	Article	IF	Citations
73	The EDGEâ€“CALIFA Survey: Variations in the Molecular Gas Depletion Time in Local Galaxies. Astrophysical Journal, 2017, 849, 26.	1.6	64
74	TheSpitzerSurvey of the Small Magellanic Cloud: Discovery of Embedded Protostars in the H<scp>ii</scp>Region NGC 346. Astrophysical Journal, 2007, 669, 327-336.	1.6	63
75	Millimeter-wave Line Ratios and Sub-beam Volume Density Distributions. Astrophysical Journal, 2017, 835, 217.	1.6	62
76	Carbon in the N159/N160 Complex of the Large Magellanic Cloud. Astrophysical Journal, 2000, 545, 234-250.	1.6	61
77	THE EGNoG SURVEY: MOLECULAR GAS IN INTERMEDIATE-REDSHIFT STAR-FORMING GALAXIES. Astrophysical Journal, 2013, 768, 132.	1.6	61
78	THE INFLUENCE OF SUPERNOVA REMNANTS ON THE INTERSTELLAR MEDIUM IN THE LARGE MAGELLANIC CLOUD SEEN AT 20-600 Î¼m WAVELENGTHS. Astrophysical Journal, 2015, 799, 50.	1.6	59
79	THE RELATIONSHIP BETWEEN MOLECULAR GAS, H i, AND STAR FORMATION IN THE LOW-MASS, LOW-METALLICITY MAGELLANIC CLOUDS. Astrophysical Journal, 2016, 825, 12.	1.6	58
80	THE IONIZED GAS IN NEARBY GALAXIES AS TRACED BY THE 122 AND 205 Î¼m TRANSITIONS. Astrophysical Journal, 2016, 826, 175.	1.6	58
81	The Antarctic Submillimeter Telescope and Remote Observatory (AST/RO). Publications of the Astronomical Society of the Pacific, 2001, 113, 567-585.	1.0	56
82	The EDGE-CALIFA Survey: Molecular and Ionized Gas Kinematics in Nearby Galaxies. Astrophysical Journal, 2018, 860, 92.	1.6	56
83	Molecular and Ionized Gas Phases of an AGN-driven Outflow in a Typical Massive Galaxy at zÂâ‰ˆÂ2. Astrophysical Journal, 2019, 871, 37.	1.6	56
84	Full-disc 13CO(1â€“0) mapping across nearby galaxies of the EMPIRE survey and the CO-to-H2 conversion factor. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3909-3933.	1.6	55
85	HCN and CO in the Central 630 Parsecs of the Galaxy. Astrophysical Journal, 1996, 456, .	1.6	55
86	Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: The KINGFISH Sample. Astrophysical Journal, 2020, 889, 150.	1.6	54
87	New Insights on the Dense Molecular Gas in NGC 253 as Traced by HCN and HCO⁺. Astrophysical Journal, 2007, 666, 156-164.	1.6	53
88	RADIO INTERFEROMETRIC PLANET SEARCH. I. FIRST CONSTRAINTS ON PLANETARY COMPANIONS FOR NEARBY, LOW-MASS STARS FROM RADIO ASTROMETRY. Astrophysical Journal, 2009, 701, 1922-1939.	1.6	53
89	Unusual CO Line Ratios and Kinematics in the N83/N84 Region of the Small Magellanic Cloud. Astrophysical Journal, 2003, 595, 167-178.	1.6	52
90	Updated 34-band Photometry for the SINGS/KINGFISH Samples of Nearby Galaxies. Astrophysical Journal, 2017, 837, 90.	1.6	49

#	Article	IF	Citations
91	Warm Molecular Gas Traced with COJ= 7â†'6 in the Galaxyâ€™s Central 2 Parsecs: Dynamical Heating of the Circumnuclear Disk. Astrophysical Journal, 2005, 623, 866-876.	1.6	48
92	Detection of 1.6 Ã— 10 ¹⁰ M _{âŠ™} of Molecular Gas in the Host Galaxy of the z = 5.77 SDSS Quasar J0927+2001. Astrophysical Journal, 2007, 666, L9-L12.	1.6	48
93	The EDGEâ€“CALIFA survey: the influence of galactic rotation on the molecular depletion time across the Hubble sequence. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1791-1808.	1.6	48
94	CO (Jâ€‰=â€‰4â†'3) and [Ci] Observations of the Carina Molecular Cloud Complex. Astrophysical Journal, 2001, 553, 274-287.	1.6	47
95	ALFALFA DISCOVERY OF THE NEARBY GAS-RICH DWARF GALAXY LEO P. V. NEUTRAL GAS DYNAMICS AND KINEMATICS. Astronomical Journal, 2014, 148, 35.	1.9	46
96	Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA. Astrophysical Journal, 2022, 927, 149.	1.6	46
97	SPITZERANALYSIS OF H II REGION COMPLEXES IN THE MAGELLANIC CLOUDS: DETERMINING A SUITABLE MONOCHROMATIC OBSCURED STAR FORMATION INDICATOR. Astrophysical Journal, 2010, 716, 453-473.	1.6	44
98	CARMA SURVEY TOWARD INFRARED-BRIGHT NEARBY GALAXIES (STING). III. THE DEPENDENCE OF ATOMIC AND MOLECULAR GAS SURFACE DENSITIES ON GALAXY PROPERTIES. Astrophysical Journal Letters, 2013, 777, L4.	3.0	44
99	The EDGEâ€“CALIFA survey: validating stellar dynamical mass models with CO kinematics. Monthly Notices of the Royal Astronomical Society, 2018, 477, 254-292.	1.6	44
100	The Density Profile of the Dark Matter Halo of NGC 4605. Astrophysical Journal, 2002, 565, 238-243.	1.6	44
101	CLUMPING AND THE INTERPRETATION OF kpc-SCALE MAPS OF THE INTERSTELLAR MEDIUM: SMOOTH H I AND CLUMPY, VARIABLE H ₂ SURFACE DENSITY. Astrophysical Journal Letters, 2013, 769, L12.	3.0	43
102	Connecting Clump Sizes in Turbulent Disk Galaxies to Instability Theory. Astrophysical Journal Letters, 2017, 839, L5.	3.0	43
103	Optical depth estimates and effective critical densities of dense gas tracers in the inner parts of nearby galaxy discs. Monthly Notices of the Royal Astronomical Society, 2017, 466, 49-62.	1.6	43
104	HIGH-RESOLUTION IMAGING OF PHIBSSzâˆ¼ 2 MAIN-SEQUENCE GALAXIES IN COJ= 1 â†' 0. Astrophysical Journal, 2015, 809, 175.	1.6	42
105	SHOCK EXCITED MOLECULES IN NGC 1266: ULIRG CONDITIONS AT THE CENTER OF A BULGE-DOMINATED GALAXY. Astrophysical Journal Letters, 2013, 779, L19.	3.0	41
106	Evolution of Stellar Feedback in H ii Regions. Astrophysical Journal, 2021, 908, 68.	1.6	41
107	The EDGE-CALIFA Survey: Evidence for Pervasive Extraplanar Diffuse Ionized Gas in Nearby Edge-on Galaxies. Astrophysical Journal, 2019, 882, 84.	1.6	40
108	The Molecular Outflow in NGCÂ253 at a Resolution of Two Parsecs. Astrophysical Journal, 2019, 881, 43.	1.6	40

#	Article	IF	Citations
109	MEASURING DUST PRODUCTION IN THE SMALL MAGELLANIC CLOUD CORE-COLLAPSE SUPERNOVA REMNANT 1E 0102.2â€“7219. Astrophysical Journal, 2009, 696, 2138-2154.	1.6	39
110	DUST-TO-GAS RATIO IN THE EXTREMELY METAL-POOR GALAXY I Zw 18. Astrophysical Journal, 2012, 752, 112.	1.6	39
111	EXTREME GAS FRACTIONS IN CLUMPY, TURBULENT DISK GALAXIES AT z â^¼ 0.1. Astrophysical Journal Letters, 2014, 790, L30.	3.0	39
112	Indications of a sub-linear and non-universal Kennicutt-Schmidt relationship. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 437, L61-L65.	1.2	39
113	THE MOLECULAR WIND IN THE NEAREST SEYFERT GALAXY CIRCINUS REVEALED BY ALMA. Astrophysical Journal, 2016, 832, 142.	1.6	39
114	The Low CO Content of the Extremely Metalâ€poor Galaxy I Zw 18. Astrophysical Journal, 2007, 663, 990-994.	1.6	38
115	The EDGEâ€“CALIFA survey: using optical extinction to probe the spatially resolved distribution of gas in nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2651-2662.	1.6	37
116	CARBON MONOXIDE IN THE COLD DEBRIS OF SUPERNOVA 1987A. Astrophysical Journal Letters, 2013, 773, L34.	3.0	36
117	THE VIRUS-P EXPLORATION OF NEARBY GALAXIES (VENGA): THEX_{CO}GRADIENT IN NGC 628. Astrophysical Journal, 2013, 764, 117.	1.6	36
118	SEARCH FOR [C II] EMISSION INz= 6.5-11 STAR-FORMING GALAXIES. Astrophysical Journal, 2014, 784, 99.	1.6	36
119	Plateau de Bure High-z Blue Sequence Survey 2 (PHIBSS2): Search for Secondary Sources, CO Luminosity Functions in the Field, and the Evolution of Molecular Gas Density through Cosmic Time*. Astronomical Journal, 2020, 159, 190.	1.9	36
120	First Results from the Herschel and ALMA Spectroscopic Surveys of the SMC: The Relationship between [C ii]-bright Gas and CO-bright Gas at Low Metallicity*. Astrophysical Journal, 2018, 853, 111.	1.6	35
121	H i Kinematics along the Minor Axis of M82. Astrophysical Journal, 2018, 856, 61.	1.6	35
122	Enhanced dust heating in the bulges of early-type spiral galaxies. Astronomy and Astrophysics, 2010, 518, L56.	2.1	34
123	DENSE GAS FRACTION AND STAR FORMATION EFFICIENCY VARIATIONS IN THE ANTENNAE GALAXIES. Astrophysical Journal, 2015, 815, 103.	1.6	34
124	ACA [CI] observations of the starburst galaxy NGC 253. Astronomy and Astrophysics, 2016, 592, L3.	2.1	34
125	First results from CARMA: the combined array for research in millimeter-wave astronomy. , 2006, 6267, 379.		33
126	Thermal Pressure in the Cold Neutral Medium of Nearby Galaxies. Astrophysical Journal, 2017, 835, 201.	1.6	33

#	Article	IF	Citations
127	The EDGEâ€“CALIFA survey: central molecular gas depletion in AGN host galaxies â€“ a smoking gun for quenching?. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L46-L51.	1.2	33
128	Spitzer Space Telescope Detection of the Young Supernova Remnant 1E 0102.2-7219. Astrophysical Journal, 2005, 632, L103-L106.	1.6	32
129	A STUDY OF HEATING AND COOLING OF THE ISM IN NGC 1097 WITHHERSCHEL-PACS ANDSPITZER-IRS. Astrophysical Journal, 2012, 751, 144.	1.6	32
130	SPIFI: a direct-detection imaging spectrometer for submillimeter wavelengths. Applied Optics, 2002, 41, 2561.	2.1	31
131	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. Astronomical Journal, 2022, 164, 43.	1.9	31
132	RADIO INTERFEROMETRIC PLANET SEARCH. II. CONSTRAINTS ON SUB-JUPITER-MASS COMPANIONS TO GJ 896A. Astrophysical Journal, 2011, 740, 32.	1.6	30
133	Submillimeter Observations of IC 10: The Dust Properties and Neutral Carbon Content of a Lowâ€Metallicity Starburst. Astrophysical Journal, 2000, 532, 909-921.	1.6	28
134	THE WATER VAPOR SPECTRUM OF APM 08279+5255: X-RAY HEATING AND INFRARED PUMPING OVER HUNDREDS OF PARSECS. Astrophysical Journal Letters, 2011, 741, L37.	3.0	28
135	A diversity of starburst-triggering mechanisms in interacting galaxies and their signatures in CO emission. Astronomy and Astrophysics, 2019, 625, A65.	2.1	28
136	Molecular fraction limits in damped Lyman Î± absorption systems. Monthly Notices of the Royal Astronomical Society, 2004, 352, 563-570.	1.6	27
137	ATMOSPHERIC PHASE CORRECTION USING CARMA-PACS: HIGH ANGULAR RESOLUTION OBSERVATIONS OF THE FU ORIONIS STAR PP 13S*. Astrophysical Journal, 2010, 724, 493-501.	1.6	27
138	Do Spectroscopic Dense Gas Fractions Track Molecular Cloud Surface Densities?. Astrophysical Journal Letters, 2018, 868, L38.	3.0	27
139	The EDGE-CALIFA survey: exploring the star formation law through variable selection. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1926-1940.	1.6	27
140	Testing Feedback-regulated Star Formation in Gas-rich, Turbulent Disk Galaxies. Astrophysical Journal, 2019, 870, 46.	1.6	27
141	Systematic Difference between Ionized and Molecular Gas Velocity Dispersions in z âˆ¼ 1â€“2 Disks and Local Analogs. Astrophysical Journal, 2021, 909, 12.	1.6	27
142	Interpreting the HCN/CO Intensity Ratio in the Galactic Center. Astrophysical Journal, 1998, 493, 680-693.	1.6	27
143	LABOCA observations of giant molecular clouds in the southwest region of the Small Magellanic Cloud. Astronomy and Astrophysics, 2010, 524, A52.	2.1	25
144	THE MOLECULAR GAS DENSITY IN GALAXY CENTERS AND HOW IT CONNECTS TO BULGES. Astrophysical Journal, 2013, 764, 174.	1.6	25

#	Article	IF	Citations
145	The EDGE-CALIFA survey: exploring the role of molecular gas on galaxy star formation quenching. Astronomy and Astrophysics, 2020, 644, A97.	2.1	25
146	VERTICO: The Virgo Environment Traced in CO Survey. Astrophysical Journal, Supplement Series, 2021, 257, 21.	3.0	25
147	COMPARING [C ii], H i, AND CO DYNAMICS OF NEARBY GALAXIES. Astronomical Journal, 2016, 152, 51.	1.9	24
148	Spatially Resolved ¹²CO(2â€“1)/¹²CO(1â€“0) in the Starburst Galaxy NGC 253: Assessing Optical Depth to Constrain the Molecular Mass Outflow Rate. Astrophysical Journal, 2018, 867, 111.	1.6	24
149	Far-infrared line imaging of the starburst ring in NGCÂ1097 with theHerschel/PACS spectrometer. Astronomy and Astrophysics, 2010, 518, L60.	2.1	23
150	SPATIALLY EXTENDED AND HIGH-VELOCITY DISPERSION MOLECULAR COMPONENT IN SPIRAL GALAXIES: SINGLE-DISH VERSUS INTERFEROMETRIC OBSERVATIONS. Astronomical Journal, 2015, 149, 76.	1.9	23
151	The relationship between CO emission and visual extinction traced by dust emission in the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2708-2726.	1.6	23
152	A Search for Intrinsic H i 21 cm and OH 18 cm Absorption toward Compact Radio Sources. Astrophysical Journal, Supplement Series, 2019, 245, 3.	3.0	23
153	Using [C ii]Â158 Î¼m Emission from Isolated ISM Phases as a Star Formation Rate Indicator. Astrophysical Journal, 2019, 886, 60.	1.6	23
154	First Detection of 492 [CLC]GHz[/CLC] [C [CSC]i[/CSC]] Emission from the Large Magellanic Cloud. Astrophysical Journal, 1997, 480, L59-L62.	1.6	22
155	Detection of 21 Centimeter H i Absorption at z â€‰=â€‰0.78 in a Survey of Radio Continuum Sources. Astrophysical Journal, 2004, 613, L101-L104.	1.6	22
156	H I and OH absorption in the lensing galaxy of MG J0414+0534. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 382, L11-L15.	1.2	22
157	THE EGNoG SURVEY: GAS EXCITATION IN NORMAL GALAXIES ATzâ‰ˆ 0.3. Astrophysical Journal, 2013, 763, 64.	1.6	22
158	Selfâ€Consistent Massive Disks in Triaxial Dark Matter Halos. Astrophysical Journal, 2007, 667, 191-201.	1.6	21
159	Molecular gas in supernova local environments unveiled by EDGE. Monthly Notices of the Royal Astronomical Society, 2017, 468, 628-644.	1.6	21
160	CARMA: a new heterogeneous millimeter-wave interferometer. , 2004, 5498, 30.		20
161	High Excitation Molecular Gas in the Magellanic Clouds. Astrophysical Journal, 2005, 633, 210-217.	1.6	20
162	UNUSUALLY LUMINOUS GIANT MOLECULAR CLOUDS IN THE OUTER DISK OF M33. Astrophysical Journal, 2010, 725, 1159-1164.	1.6	20

#	Article	IF	Citations
163	PHIBSS: exploring the dependence of the COâ€“H2 conversion factor on total mass surface density at z<1.5. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4886-4901.	1.6	20
164	Evidence for Cosmic-Ray Escape in the Small Magellanic Cloud Using Fermi Gamma Rays. Astrophysical Journal, 2018, 867, 44.	1.6	20
165	ALMA Observations of N83C in the Early Stage of Star Formation in the Small Magellanic Cloud. Astrophysical Journal, 2017, 844, 98.	1.6	20
166	Molecular Gas Properties and CO-to-H₂ Conversion Factors in the Central Kiloparsec of NGC 3351. Astrophysical Journal, 2022, 925, 72.	1.6	20
167	ALMA Observations of HCN and HCO⁺ Outflows in the Merging Galaxy NGC 3256. Astrophysical Journal, 2018, 868, 95.	1.6	19
168	The Dark Matter Distributions in Low-mass Disk Galaxies. II. The Inner Density Profiles. Astrophysical Journal, 2019, 887, 94.	1.6	19
169	The DUVET Survey: Direct T _e-based Metallicity Mapping of Metal-enriched Outflows and Metal-poor Inflows in Markarian 1486. Astrophysical Journal Letters, 2021, 918, L16.	3.0	19
170	Atomic Carbon Observations of Southern Hemisphere HiiRegions. Astrophysical Journal, 1999, 517, 282-291.	1.6	19
171	THE IONIZED CIRCUMSTELLAR ENVELOPES OF ORION SOURCE I AND THE BECKLIN-NEUGEBAUER OBJECT. Astrophysical Journal, 2013, 765, 40.	1.6	18
172	EXTENDED HCN AND HCO⁺EMISSION IN THE STARBURST GALAXY M82. Astrophysical Journal, 2014, 797, 134.	1.6	18
173	A FAR-IR VIEW OF THE STARBURST-DRIVEN SUPERWIND IN NGC 2146. Astrophysical Journal, 2014, 790, 26.	1.6	18
174	Gas Content and Kinematics in Clumpy, Turbulent Star-forming Disks. Astrophysical Journal, 2017, 846, 35.	1.6	18
175	Mapping Spatial Variations of H i Turbulent Properties in the Small and Large Magellanic Cloud. Astrophysical Journal, 2019, 887, 111.	1.6	17
176	The Experiment for Cryogenic Large-Aperture Intensity Mapping (EXCLAIM). Journal of Low Temperature Physics, 2020, 199, 1027-1037.	0.6	17
177	Super Star Clusters in the Central Starburst of NGC 4945. Astrophysical Journal, 2020, 903, 50.	1.6	17
178	A 2000Mâ˜‰Rotating Molecular Disk around NGC 6334A. Astrophysical Journal, 1997, 478, 614-623.	1.6	16
179	The parsecâ€“scale relationship between ICO and AV in local molecular clouds. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4672-4708.	1.6	16
180	Outflows from Super Star Clusters in the Central Starburst of NGC 253. Astrophysical Journal, 2021, 912, 4.	1.6	16

#	Article	IF	Citations
181	THE DISPLACED DUSTY INTERSTELLAR MEDIUM OF NGC 3077: TIDAL STRIPPING IN THE M 81 TRIPLET. Astrophysical Journal Letters, 2011, 726, L11.	3.0	15
182	SPICAand the Chemical Evolution of Galaxies: The Rise of Metals and Dust. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	15
183	The evolution of neutral hydrogen over the past 11â€‰Gyr via Hâ€‰i 21â€‰cm absorption. Monthly Notices of the Royal Astronomical Society, 2020, 498, 883-898.	1.6	15
184	SOFIA/FIFI-LS Full-disk [C ii] Mapping and CO-dark Molecular Gas across the Nearby Spiral Galaxy NGC 6946. Astrophysical Journal, 2020, 903, 30.	1.6	15
185	The 30 Doradus Molecular Cloud at 0.4 pc Resolution with the Atacama Large Millimeter/submillimeter Array: Physical Properties and the Boundedness of CO-emitting Structures. Astrophysical Journal, 2022, 932, 47.	1.6	15
186	CARMA Survey toward Infrared-bright Nearby Galaxies (STING). IV. Spatially Resolved ¹³CO in Spiral Galaxies. Astrophysical Journal, 2017, 847, 33.	1.6	14
187	The Molecular Interstellar Medium in the Super Star Clusters of the Starburst NGC 253. Astrophysical Journal, 2020, 897, 176.	1.6	14
188	Millimeter dust emission compared with other mass estimates inÂN11 molecular clouds inÂtheÂLMC. Astronomy and Astrophysics, 2013, 554, A91.	2.1	13
189	Spatial Variations of Turbulent Properties of Neutral Hydrogen Gas in the Small Magellanic Cloud Using Structure-function Analysis. Astrophysical Journal, 2017, 845, 53.	1.6	13
190	Characterizing the Multiphase Origin of [C ii] Emission in M101 and NGC 6946 with Velocity-resolved Spectroscopy. Astrophysical Journal, 2021, 915, 92.	1.6	13
191	Thermal Infrared Imaging of Ultracompact HiiRegions in W49A. Astrophysical Journal, 2000, 540, 316-331.	1.6	13
192	First Detection of Submillimeter [C [CSC]i[/CSC]] Emission in the Small Magellanic Cloud. Astrophysical Journal, 2000, 541, L17-L20.	1.6	13
193	Design of the South Pole imaging Fabry-Perot interferometer (SPIFI). , 1998, , .		12
194	The dust properties and physical conditions of the interstellar medium in the LMC massive star-forming complex N11. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1767-1790.	1.6	12
195	An ATCA Survey of H i Absorption in the Magellanic Clouds. I. H i Gas Temperature Measurements in the Small Magellanic Cloud. Astrophysical Journal, Supplement Series, 2019, 244, 7.	3.0	12
196	INFRARED DARK CLOUDS IN THE SMALL MAGELLANIC CLOUD?. Astronomical Journal, 2009, 138, 1101-1115.	1.9	11
197	DUSTY OB STARS IN THE SMALL MAGELLANIC CLOUD. I. OPTICAL SPECTROSCOPY REVEALS PREDOMINANTLY MAIN-SEQUENCE OB STARS. Astrophysical Journal, 2013, 771, 111.	1.6	11
198	Star Formation Traced by Optical and Millimeter Hydrogen Recombination Lines and Freeâ€“Free Emissions in the Dusty Merging Galaxy NGC 3256â€”MUSE/VLT and ALMA Synergy. Astrophysical Journal, 2020, 895, 85.	1.6	11

#	Article	IF	Citations
199	ALMA Imaging of a Galactic Molecular Outflow in NGC 4945. Astrophysical Journal, 2021, 923, 83.	1.6	11
200	DUSTY OB STARS IN THE SMALL MAGELLANIC CLOUD. II. EXTRAGALACTIC DISKS OR EXAMPLES OF THE PLEIADES PHENOMENON?. Astrophysical Journal, 2013, 771, 112.	1.6	10
201	ALMA Reveals Kinematics of Super Star Cluster Candidate H72.97-69.39 in LMC-N79. Astrophysical Journal, 2019, 877, 135.	1.6	10
202	NOEMA High-fidelity Imaging of the Molecular Gas in and around M82. Astrophysical Journal Letters, 2021, 915, L3.	3.0	10
203	Clustered Star Formation in the Center of NGC 253 Contributes to Driving the Ionized Nuclear Wind. Astrophysical Journal, 2021, 919, 105.	1.6	10
204	An ACA Survey of [C i] ³ P ₁â^'³ P ₀, CO J = 4 â^' 3, and Dust Continuum in Nearby U/LIRGs. Astrophysical Journal, Supplement Series, 2021, 257, 28.	3.0	10
205	Discovery of a [C i]-faint, CO-bright Galaxy: ALMA Observations of the Merging Galaxy NGC 6052. Astrophysical Journal Letters, 2020, 897, L19.	3.0	9
206	Giant star-forming complexes in high-z main-sequence galaxy analogues: the internal structure of clumps in DYNAMO galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3916-3934.	1.6	9
207	The Turbulent Gas Structure in the Centers of NGCÂ253 and the Milky Way. Astrophysical Journal, 2020, 899, 158.	1.6	9
208	FAINT CO LINE WINGS IN FOUR STAR-FORMING (ULTRA)LUMINOUS INFRARED GALAXIES. Astrophysical Journal, 2015, 811, 15.	1.6	8
209	The Dark Matter Distributions in Low-mass Disk Galaxies. I. HÎ± Observations Using the Palomar Cosmic Web Imager. Astrophysical Journal, 2019, 873, 5.	1.6	8
210	The DUVET Survey: Resolved maps of star formation-driven outflows in a compact, starbursting disc galaxy. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5782-5796.	1.6	8
211	CARMA CO OBSERVATIONS OF THREE EXTREMELY METAL-POOR, STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 814, 30.	1.6	7
212	High-resolution Velocity Fields of Low-mass Disk Galaxies. I. CO Observations. Astrophysical Journal, 2017, 843, 37.	1.6	7
213	A Hubble Space Telescope/NICMOS view of the prototypical giant Hii region NGC604 in M33. Astrophysics and Space Science, 2009, 324, 309-313.	0.5	6
214	Extreme Variation in Star Formation Efficiency across a Compact, Starburst Disk Galaxy. Astrophysical Journal, 2022, 928, 169.	1.6	6
215	The EDGE-CALIFA Survey: The Resolved Star Formation Efficiency and Local Physical Conditions. Astrophysical Journal, 2021, 923, 60.	1.6	6
216	The Faintness of the 158 Micron [C ii] Transition in the z =6.42 Quasar SDSS J1148+5251. Astrophysical Journal, 2004, 606, L101-L103.	1.6	5

#	Article	IF	Citations
217	Resolved star formation in the metal-poor star-forming region Magellanic Bridge C. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2534-2553.	1.6	5
218	The case for thermalization as a contributor to the [Câ€‰<scp>ii</scp>] deficit. Monthly Notices of the Royal Astronomical Society, 2021, 503, 911-919.	1.6	5
219	ALMA resolves molecular clouds in metal-poor Magellanic Bridge A. Astronomy and Astrophysics, 2020, 641, A97.	2.1	5
220	Stellar masses of clumps in gas-rich, turbulent disc galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3079-3097.	1.6	5
221	THE CARMA PAIRED ANTENNA CALIBRATION SYSTEM: ATMOSPHERIC PHASE CORRECTION FOR MILLIMETER WAVE INTERFEROMETRY AND ITS APPLICATION TO MAPPING THE ULTRALUMINOUS GALAXY ARP 193. Astronomical Journal, 2016, 151, 18.	1.9	4
222	Direct Far-infrared Metal Abundances (FIRA). I. M101. Astrophysical Journal, 2022, 925, 194.	1.6	4
223	Dark Matter in Dwarf Galaxies: High Resolution Observations. Symposium - International Astronomical Union, 2004, 220, 353-358.	0.1	3
224	Cuspy dark matter density profiles in massive dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1012-1031.	1.6	3
225	Water vapor in the atmosphere: an examination for CARMA phase correction. , 2006, 6275, 294.		2
226	Controller-area-network bus control and monitor system for a radio astronomy interferometer. Review of Scientific Instruments, 2007, 78, 094501.	0.6	2
227	An infant giant. Nature, 2012, 486, 199-200.	13.7	2
228	Atmospheric phase correction using the CARMA paired antennas calibration system. Proceedings of SPIE, 2010, , .	0.8	1
229	SPIFI Imaging of the Galactic Center. Springer Proceedings in Physics, 1997, , 273-276.	0.1	1
230	Molecular Gas in Nearby Dwarf Galaxies: Single Dish and Interferometric Results. Springer Proceedings in Physics, 1997, , 155-158.	0.1	1
231	Effects of CO-dark Gas on Measurements of Molecular Cloud Stability and the Sizeâ€“Linewidth Relationship. Astrophysical Journal, 2022, 933, 179.	1.6	1
232	The state of molecular gas in the Small Magellanic Cloud. Proceedings of the International Astronomical Union, 2008, 4, 154-159.	0.0	0
233	The Resolved Properties of Extragalactic Giant Molecular Clouds. Proceedings of the International Astronomical Union, 2008, 4, 274-277.	0.0	0
234	Tracing the cold molecular gas reservoir through dust emission in the SMC. Proceedings of the International Astronomical Union, 2008, 4, 148-153.	0.0	0

#	Article	IF	Citations
235	The Spitzer spectroscopic survey of the Small Magellanic Cloud: polycyclic aromatic hydrocarbon emission from SMC star-forming regions. Proceedings of the International Astronomical Union, 2008, 4, 160-165.	0.0	0
236	Early results from the SAGE-SMC Spitzer legacy. Proceedings of the International Astronomical Union, 2008, 4, 184-188.	0.0	0
237	Search for High-Extinction Regions in the Small Magellanic Cloud. Proceedings of the International Astronomical Union, 2009, 5, 412-412.	0.0	0
238	The Spitzer Surveys of the Small Magellanic Cloud: Insights into the Life-Cycle of Polycyclic Aromatic Hydrocarbons. EAS Publications Series, 2011, 46, 215-221.	0.3	0
239	Resolving the Transition from Molecular to Atomic at 1/5 Solar Metallicity in the Small Magellanic Cloud. Proceedings of the International Astronomical Union, 2015, 11, 13-16.	0.0	0
240	On the Variation of Gas Depletion Time. Proceedings of the International Astronomical Union, 2015, 11, 258-261.	0.0	0
241	CO / CI observations of N83C in the early stage of star formation in SMC with ALMA. Proceedings of the International Astronomical Union, 2018, 14, 313-315.	0.0	0
242	Interstellar Medium and Star Formation in Dwarf Galaxies. Proceedings of the International Astronomical Union, 2018, 14, 233-239.	0.0	0
243	Direct Detection Spectroscopy in the 350Î¼m Window: SPIFI on the JCMT. EAS Publications Series, 2002, 4, 419-419.	0.3	0
244	Mapping of Nearby Galaxies in [CI] 370 Î¼m and CO (7â†’6) 371 Î¼m. Thirty Years of Astronomical Discovery With UKIRT, 2008, , 225-230.	0.3	0
245	CO (J = 7 â†’ 6) Observations of NGC 253: Exited Molecular Gas in the Nucleus. Springer Proceedings in Physics, 1997, , 135-138.	0.1	0