

Alberto Bolatto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239 papers	15,136 citations	61 h-index	117 g-index
249 ext. papers	17,122 ext. citations	5.5 avg, IF	6.2 L-index

#	Paper	IF	Citations
239	The CO-to-H ₂ Conversion Factor. <i>Annual Review of Astronomy and Astrophysics</i> , 2013 , 51, 207-268	31.7	1160
238	High molecular gas fractions in normal massive star-forming galaxies in the young Universe. <i>Nature</i> , 2010 , 463, 781-4	50.4	747
237	A study of the gas-star formation relation over cosmic time?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 407, 2091-2108	4.3	687
236	PHIBSS: MOLECULAR GAS CONTENT AND SCALING RELATIONS IN $z \sim 1-3$ MASSIVE, MAIN-SEQUENCE STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013 , 768, 74	4.7	660
235	CALIBRATING EXTINCTION-FREE STAR FORMATION RATE DIAGNOSTICS WITH 33 GHz FREE-FREE EMISSION IN NGC 6946. <i>Astrophysical Journal</i> , 2011 , 737, 67	4.7	473
234	MOLECULAR GAS AND STAR FORMATION IN NEARBY DISK GALAXIES. <i>Astronomical Journal</i> , 2013 , 146, 19	4.9	420
233	COMBINED CO AND DUST SCALING RELATIONS OF DEPLETION TIME AND MOLECULAR GAS FRACTIONS WITH COSMIC TIME, SPECIFIC STAR-FORMATION RATE, AND STELLAR MASS. <i>Astrophysical Journal</i> , 2015 , 800, 20	4.7	395
232	THE CO-TO-H ₂ CONVERSION FACTOR FROM INFRARED DUST EMISSION ACROSS THE LOCAL GROUP. <i>Astrophysical Journal</i> , 2011 , 737, 12	4.7	394
231	The Resolved Properties of Extragalactic Giant Molecular Clouds. <i>Astrophysical Journal</i> , 2008 , 686, 948-965	4.7	369
230	THE CO-TO-H ₂ CONVERSION FACTOR AND DUST-TO-GAS RATIO ON KILOPARSEC SCALES IN NEARBY GALAXIES. <i>Astrophysical Journal</i> , 2013 , 777, 5	4.7	347
229	PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions. <i>Astrophysical Journal</i> , 2018 , 853, 179	4.7	332
228	KINGFISH: Key Insights on Nearby Galaxies: A Far-Infrared Survey with Herschel: Survey Description and Image Atlas 1. <i>Publications of the Astronomical Society of the Pacific</i> , 2011 , 123, 1347-1369	5	302
227	High-Resolution Measurements of the Halos of Four Dark Matter-Dominated Galaxies: Deviations from a Universal Density Profile. <i>Astrophysical Journal</i> , 2005 , 621, 757-776	4.7	254
226	THE METALLICITY DEPENDENCE OF THE CO - H ₂ CONVERSION FACTOR IN $z \sim 1$ STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2012 , 746, 69	4.7	195
225	HERSCHEL FAR-INFRARED AND SUBMILLIMETER PHOTOMETRY FOR THE KINGFISH SAMPLE OF NEARBY GALAXIES. <i>Astrophysical Journal</i> , 2012 , 745, 95	4.7	191
224	Suppression of star formation in the galaxy NGC 253 by a starburst-driven molecular wind. <i>Nature</i> , 2013 , 499, 450-3	50.4	174
223	The Spitzer Survey of the Small Magellanic Cloud: S3MC Imaging and Photometry in the Mid- and Far-Infrared Wave Bands. <i>Astrophysical Journal</i> , 2007 , 655, 212-232	4.7	165

222	TheSpitzerSurvey of the Small Magellanic Cloud: Far-Infrared Emission and Cold Gas in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2007 , 658, 1027-1046	4.7	162
221	THE STATE OF THE GAS AND THE RELATION BETWEEN GAS AND STAR FORMATION AT LOW METALLICITY: THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2011 , 741, 12	4.7	161
220	The Molecular Interstellar Medium of Dwarf Galaxies on Kiloparsec Scales: A New Survey for CO in Northern,IRAS-detected Dwarf Galaxies. <i>Astrophysical Journal</i> , 2005 , 625, 763-784	4.7	142
219	WHAT DRIVES THE EXPANSION OF GIANT H II REGIONS?: A STUDY OF STELLAR FEEDBACK IN 30 DORADUS. <i>Astrophysical Journal</i> , 2011 , 731, 91	4.7	140
218	ESTIMATING THE STAR FORMATION RATE AT 1 kpc SCALES IN NEARBY GALAXIES. <i>Astronomical Journal</i> , 2012 , 144, 3	4.9	133
217	THE EMISSION BY DUST AND STARS OF NEARBY GALAXIES IN THEHERSCHELKINGFISH SURVEY. <i>Astrophysical Journal</i> , 2011 , 738, 89	4.7	131
216	A Parallax 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} newcommandcyr{renewcommandmddefault{wncvr} renewcommandsfdefault{wncvss} renewcommandencodingdefault{OT2} normalfont selectfont} [C II] 158 μ EMISSION AS A STAR FORMATION TRACER. <i>Astrophysical Journal</i> , 2015 , 800, 1	4.7	131
215	DeclareTextFontCommand{textcyr}{cyr} pagestyle{empty} DeclareMath. <i>Astrophysical Journal</i> , 2007 , 667, 1161-1169	4.7	130
214	Cloud-scale Molecular Gas Properties in 15 Nearby Galaxies. <i>Astrophysical Journal</i> , 2018 , 860, 172	4.7	128
213	High-Resolution Measurements of the Dark Matter Halo of NGC 2976: Evidence for a Shallow Density Profile. <i>Astrophysical Journal</i> , 2003 , 596, 957-981	4.7	125
212	ALMA REVEALS THE MOLECULAR MEDIUM FUELING THE NEAREST NUCLEAR STARBURST. <i>Astrophysical Journal</i> , 2015 , 801, 25	4.7	123
211	MISALIGNMENT OF MAGNETIC FIELDS AND OUTFLOWS IN PROTOSTELLAR CORES. <i>Astrophysical Journal</i> , 2013 , 768, 159	4.7	116
210	Cool outflows in galaxies and their implications. <i>Astronomy and Astrophysics Review</i> , 2020 , 28, 1	28.8	115
209	THEHERSCHELINVENTORY OF THE AGENTS OF GALAXY EVOLUTION IN THE MAGELLANIC CLOUDS, AHERSCHELOPEN TIME KEY PROGRAM. <i>Astronomical Journal</i> , 2013 , 146, 62	4.9	113
208	THE MULTI-PHASE COLD FOUNTAIN IN M82 REVEALED BY A WIDE, SENSITIVE MAP OF THE MOLECULAR INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2015 , 814, 83	4.7	105
207	MODELING DUST AND STARLIGHT IN GALAXIES OBSERVED BYSPITZERANDHERSCHEL: NGC 628 AND NGC 6946. <i>Astrophysical Journal</i> , 2012 , 756, 138	4.7	102
206	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGEHERSCHELKEY PROJECT. I. DUST PROPERTIES AND INSIGHTS INTO THE ORIGIN OF THE SUBMILLIMETER EXCESS EMISSION. <i>Astrophysical Journal</i> , 2014 , 797, 85	4.7	101
205	CO ($J = 7-6$) Observations of NGC 253: Cosmic-RayBeated Warm Molecular Gas. <i>Astrophysical Journal</i> , 2003 , 586, 891-901	4.7	101

204	Molecular Gas in the Low-Metallicity, Star-forming Dwarf IC 10. <i>Astrophysical Journal</i> , 2006 , 643, 825-843.	4.7	100
203	The SAURON project IXV. Modes of star formation in early-type galaxies and the evolution of the red sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 402, 2140-2186	4.3	99
202	Quasar Feedback in the Ultraluminous Infrared Galaxy F11119+3257: Connecting the Accretion Disk Wind with the Large-scale Molecular Outflow. <i>Astrophysical Journal</i> , 2017 , 843, 18	4.7	90
201	Submillijansky Transients in Archival Radio Observations. <i>Astrophysical Journal</i> , 2007 , 666, 346-360	4.7	89
200	Cloud-scale ISM Structure and Star Formation in M51. <i>Astrophysical Journal</i> , 2017 , 846, 71	4.7	87
199	THE STRUCTURE OF A LOW-METALLICITY GIANT MOLECULAR CLOUD COMPLEX. <i>Astrophysical Journal</i> , 2009 , 702, 352-367	4.7	85
198	ALMA MULTI-LINE IMAGING OF THE NEARBY STARBURST NGC 253. <i>Astrophysical Journal</i> , 2015 , 801, 63	4.7	84
197	The EDGE-CALIFA Survey: Interferometric Observations of 126 Galaxies with CARMA. <i>Astrophysical Journal</i> , 2017 , 846, 159	4.7	84
196	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE HERSCHEL KEY PROJECT. II. GAS-TO-DUST RATIO VARIATIONS ACROSS INTERSTELLAR MEDIUM PHASES. <i>Astrophysical Journal</i> , 2014 , 797, 86	4.7	82
195	THE ROLE OF STELLAR FEEDBACK IN THE DYNAMICS OF H II REGIONS. <i>Astrophysical Journal</i> , 2014 , 795, 121	4.7	80
194	THE SPITZER SURVEY OF THE SMALL MAGELLANIC CLOUD (S3MC): INSIGHTS INTO THE LIFE CYCLE OF POLYCYCLIC AROMATIC HYDROCARBONS. <i>Astrophysical Journal</i> , 2010 , 715, 701-723	4.7	78
193	THE EMPIRE SURVEY: SYSTEMATIC VARIATIONS IN THE DENSE GAS FRACTION AND STAR FORMATION EFFICIENCY FROM FULL-DISK MAPPING OF M51. <i>Astrophysical Journal Letters</i> , 2016 , 822, L26	7.9	78
192	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. <i>Astrophysical Journal</i> , 2016 , 831, 16	4.7	75
191	A Giant Outburst at Millimeter Wavelengths in the Orion Nebula. <i>Astrophysical Journal</i> , 2003 , 598, 1140-1150	4.7	74
190	DUST CONTINUUM EMISSION AS A TRACER OF GAS MASS IN GALAXIES. <i>Astrophysical Journal</i> , 2015 , 799, 96	4.7	73
189	RESOLVING THE FAR-IR LINE DEFICIT: PHOTOELECTRIC HEATING AND FAR-IR LINE COOLING IN NGC 1097 AND NGC 4559. <i>Astrophysical Journal</i> , 2012 , 747, 81	4.7	72
188	The Radio Spectral Energy Distribution and Star-formation Rate Calibration in Galaxies. <i>Astrophysical Journal</i> , 2017 , 836, 185	4.7	71
187	CARMA SURVEY TOWARD INFRARED-BRIGHT NEARBY GALAXIES (STING). II. MOLECULAR GAS STAR FORMATION LAW AND DEPLETION TIME ACROSS THE BLUE SEQUENCE. <i>Astrophysical Journal</i> , 2012 , 745, 183	4.7	70

186	A Semianalytical Model for the Observational Properties of the Dominant Carbon Species at Different Metallicities. <i>Astrophysical Journal</i> , 1999 , 513, 275-286	4.7	70
185	Physical conditions of the interstellar medium of high-redshift, strongly lensed submillimetre galaxies from the Herschel-ATLAS?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 415, 3473-3484	4.3	68
184	TRACING THE BIPOLAR OUTFLOW FROM ORION SOURCE I. <i>Astrophysical Journal</i> , 2009 , 704, L25-L28	4.7	67
183	The rarity of dust in metal-poor galaxies. <i>Nature</i> , 2014 , 505, 186-9	50.4	66
182	THE SPATIALLY RESOLVED $[\text{C}]{\text{ii}}$ COOLING LINE DEFICIT IN GALAXIES. <i>Astrophysical Journal</i> , 2017 , 834, 5	4.7	65
181	PHIBSS: MOLECULAR GAS, EXTINCTION, STAR FORMATION, AND KINEMATICS IN THE $z=1.5$ STAR-FORMING GALAXY EGS13011166. <i>Astrophysical Journal</i> , 2013 , 773, 68	4.7	64
180	DISK AND ENVELOPE STRUCTURE IN CLASS 0 PROTOSTARS. II. HIGH-RESOLUTION MILLIMETER MAPPING OF THE SERPENS SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 195, 21	8	64
179	Dense Molecular Gas Tracers in the Outflow of the Starburst Galaxy NGC 253. <i>Astrophysical Journal</i> , 2017 , 835, 265	4.7	63
178	CARMA SURVEY TOWARD INFRARED-BRIGHT NEARBY GALAXIES (STING): MOLECULAR GAS STAR FORMATION LAW IN NGC 4254. <i>Astrophysical Journal</i> , 2011 , 730, 72	4.7	60
177	THE SPITZER SPECTROSCOPIC SURVEY OF THE SMALL MAGELLANIC CLOUD (S4MC): PROBING THE PHYSICAL STATE OF POLYCYCLIC AROMATIC HYDROCARBONS IN A LOW-METALLICITY ENVIRONMENT. <i>Astrophysical Journal</i> , 2012 , 744, 20	4.7	60
176	Carbon in the N159/N160 Complex of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2000 , 545, 234-250	4.7	58
175	THE EGN0G SURVEY: MOLECULAR GAS IN INTERMEDIATE-REDSHIFT STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013 , 768, 132	4.7	57
174	THE INFLUENCE OF SUPERNOVA REMNANTS ON THE INTERSTELLAR MEDIUM IN THE LARGE MAGELLANIC CLOUD SEEN AT 20-600 μm WAVELENGTHS. <i>Astrophysical Journal</i> , 2015 , 799, 50	4.7	54
173	The Spitzer Survey of the Small Magellanic Cloud: Discovery of Embedded Protostars in the Hii Region NGC 346. <i>Astrophysical Journal</i> , 2007 , 669, 327-336	4.7	54
172	The Origins of [C ii] Emission in Local Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017 , 845, 96	4.7	53
171	HCN and CO in the Central 630 Parsecs of the Galaxy. <i>Astrophysical Journal</i> , 1996 , 456,	4.7	52
170	Dense Gas, Dynamical Equilibrium Pressure, and Star Formation in Nearby Star-forming Galaxies. <i>Astrophysical Journal</i> , 2018 , 858, 90	4.7	52
169	THE RELATIONSHIP BETWEEN MOLECULAR GAS, H i , AND STAR FORMATION IN THE LOW-MASS, LOW-METALLICITY MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2016 , 825, 12	4.7	51

168	Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. <i>Astrophysical Journal</i> , 2020 , 892, 148	4.7	51
167	Physical Properties of Molecular Clouds at 2 pc Resolution in the Low-metallicity Dwarf Galaxy NGC 6822 and the Milky Way. <i>Astrophysical Journal</i> , 2017 , 835, 278	4.7	50
166	The Antarctic Submillimeter Telescope and Remote Observatory (AST/RO). <i>Publications of the Astronomical Society of the Pacific</i> , 2001 , 113, 567-585	5	50
165	New Insights on the Dense Molecular Gas in NGC 253 as Traced by HCN and HCO ⁺ . <i>Astrophysical Journal</i> , 2007 , 666, 156-164	4.7	49
164	THE IONIZED GAS IN NEARBY GALAXIES AS TRACED BY THE [NII] 122 AND 205 μ m TRANSITIONS. <i>Astrophysical Journal</i> , 2016 , 826, 175	4.7	48
163	The EDGE-CALIFA Survey: Variations in the Molecular Gas Depletion Time in Local Galaxies. <i>Astrophysical Journal</i> , 2017 , 849, 26	4.7	48
162	Unusual CO Line Ratios and Kinematics in the N83/N84 Region of the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2003 , 595, 167-178	4.7	47
161	Warm Molecular Gas Traced with CO(J= 7-6) in the Galaxy's Central 2 Parsecs: Dynamical Heating of the Circumnuclear Disk. <i>Astrophysical Journal</i> , 2005 , 623, 866-876	4.7	46
160	CO (J = 4-3) and [CII] Observations of the Carina Molecular Cloud Complex. <i>Astrophysical Journal</i> , 2001 , 553, 274-287	4.7	46
159	Forming Super Star Clusters in the Central Starburst of NGC 253. <i>Astrophysical Journal</i> , 2018 , 869, 126	4.7	46
158	Detection of $1.6 \pm 0.10 \times 10^8 M_{\odot}$ of Molecular Gas in the Host Galaxy of the $z = 5.77$ SDSS Quasar J0927+2001. <i>Astrophysical Journal</i> , 2007 , 666, L9-L12	4.7	45
157	The Density Profile of the Dark Matter Halo of NGC 4605. <i>Astrophysical Journal</i> , 2002 , 565, 238-243	4.7	44
156	Molecular and Ionized Gas Phases of an AGN-driven Outflow in a Typical Massive Galaxy at $z \approx 2$. <i>Astrophysical Journal</i> , 2019 , 871, 37	4.7	43
155	Millimeter-wave Line Ratios and Sub-beam Volume Density Distributions. <i>Astrophysical Journal</i> , 2017 , 835, 217	4.7	43
154	RADIO INTERFEROMETRIC PLANET SEARCH. I. FIRST CONSTRAINTS ON PLANETARY COMPANIONS FOR NEARBY, LOW-MASS STARS FROM RADIO ASTROMETRY. <i>Astrophysical Journal</i> , 2009 , 701, 1922-1939	4.7	43
153	ALFALFA DISCOVERY OF THE NEARBY GAS-RICH DWARF GALAXY LEO P. V. NEUTRAL GAS DYNAMICS AND KINEMATICS. <i>Astronomical Journal</i> , 2014 , 148, 35	4.9	41
152	EMPIRE: The IRAM 30 m Dense Gas Survey of Nearby Galaxies. <i>Astrophysical Journal</i> , 2019 , 880, 127	4.7	39
151	The EDGE-CALIFA Survey: Molecular and Ionized Gas Kinematics in Nearby Galaxies. <i>Astrophysical Journal</i> , 2018 , 860, 92	4.7	38

150	Full-disc 13CO(10) mapping across nearby galaxies of the EMPIRE survey and the CO-to-H ₂ conversion factor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 3909-3933	4.3	37
149	SPITZER ANALYSIS OF H II REGION COMPLEXES IN THE MAGELLANIC CLOUDS: DETERMINING A SUITABLE MONOCHROMATIC OBSCURED STAR FORMATION INDICATOR. <i>Astrophysical Journal</i> , 2010 , 716, 453-473	4.7	37
148	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. <i>Astrophysical Journal Letters</i> , 2020 , 901, L8	7.9	37
147	The EDGEALIFA survey: the influence of galactic rotation on the molecular depletion time across the Hubble sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 1791-1808	4.3	36
146	SHOCK EXCITED MOLECULES IN NGC 1266: ULIRG CONDITIONS AT THE CENTER OF A BULGE-DOMINATED GALAXY. <i>Astrophysical Journal Letters</i> , 2013 , 779, L19	7.9	36
145	MEASURING DUST PRODUCTION IN THE SMALL MAGELLANIC CLOUD CORE-COLLAPSE SUPERNOVA REMNANT 1E 0102.2-219. <i>Astrophysical Journal</i> , 2009 , 696, 2138-2154	4.7	36
144	The Low CO Content of the Extremely Metal-poor Galaxy I Zw 18. <i>Astrophysical Journal</i> , 2007 , 663, 990-994	4.4	36
143	Updated 34-band Photometry for the SINGS/KINGFISH Samples of Nearby Galaxies. <i>Astrophysical Journal</i> , 2017 , 837, 90	4.7	35
142	EXTREME GAS FRACTIONS IN CLUMPY, TURBULENT DISK GALAXIES AT $z \sim 0.1$. <i>Astrophysical Journal Letters</i> , 2014 , 790, L30	7.9	35
141	HIGH-RESOLUTION IMAGING OF PHIBSS $z \sim 2$ MAIN-SEQUENCE GALAXIES IN COJ = 1-10. <i>Astrophysical Journal</i> , 2015 , 809, 175	4.7	34
140	Indications of a sub-linear and non-universal Kennicutt-Schmidt relationship. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014 , 437, L61-L65	4.3	34
139	SEARCH FOR [C II] EMISSION IN $z = 6.5-11$ STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014 , 784, 99	4.7	34
138	CARMA SURVEY TOWARD INFRARED-BRIGHT NEARBY GALAXIES (STING). III. THE DEPENDENCE OF ATOMIC AND MOLECULAR GAS SURFACE DENSITIES ON GALAXY PROPERTIES. <i>Astrophysical Journal Letters</i> , 2013 , 777, L4	7.9	34
137	Enhanced dust heating in the bulges of early-type spiral galaxies. <i>Astronomy and Astrophysics</i> , 2010 , 518, L56	5.1	34
136	DUST-TO-GAS RATIO IN THE EXTREMELY METAL-POOR GALAXY I Zw 18. <i>Astrophysical Journal</i> , 2012 , 752, 112	4.7	34
135	Connecting Clump Sizes in Turbulent Disk Galaxies to Instability Theory. <i>Astrophysical Journal Letters</i> , 2017 , 839, L5	7.9	33
134	CLUMPING AND THE INTERPRETATION OF kpc-SCALE MAPS OF THE INTERSTELLAR MEDIUM: SMOOTH H I AND CLUMPY, VARIABLE H ₂ SURFACE DENSITY. <i>Astrophysical Journal Letters</i> , 2013 , 769, L12	7.9	33
133	The EDGEALIFA survey: validating stellar dynamical mass models with CO kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 254-292	4.3	32

132	A STUDY OF HEATING AND COOLING OF THE ISM IN NGC 1097 WITH HERSCHEL-PACS AND SPITZER-IRS. <i>Astrophysical Journal</i> , 2012 , 751, 144	4.7	31
131	PHANGS ALMA: Arcsecond CO(2 \rightarrow 1) Imaging of Nearby Star-forming Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 257, 43	8	31
130	Optical depth estimates and effective critical densities of dense gas tracers in the inner parts of nearby galaxy discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 49-62	4.3	30
129	CARBON MONOXIDE IN THE COLD DEBRIS OF SUPERNOVA 1987A. <i>Astrophysical Journal Letters</i> , 2013 , 773, L34	7.9	30
128	THE VIRUS-P EXPLORATION OF NEARBY GALAXIES (VENGA): THE CO GRADIENT IN NGC 628. <i>Astrophysical Journal</i> , 2013 , 764, 117	4.7	30
127	Spitzer Space Telescope Detection of the Young Supernova Remnant 1E 0102.2-7219. <i>Astrophysical Journal</i> , 2005 , 632, L103-L106	4.7	30
126	DENSE GAS FRACTION AND STAR FORMATION EFFICIENCY VARIATIONS IN THE ANTENNAE GALAXIES. <i>Astrophysical Journal</i> , 2015 , 815, 103	4.7	28
125	First results from CARMA: the combined array for research in millimeter-wave astronomy 2006 , 6267, 379		28
124	THE MOLECULAR WIND IN THE NEAREST SEYFERT GALAXY CIRCINUS REVEALED BY ALMA. <i>Astrophysical Journal</i> , 2016 , 832, 142	4.7	28
123	Thermal Pressure in the Cold Neutral Medium of Nearby Galaxies. <i>Astrophysical Journal</i> , 2017 , 835, 201	4.7	27
122	Submillimeter Observations of IC 10: The Dust Properties and Neutral Carbon Content of a Low-Metallicity Starburst. <i>Astrophysical Journal</i> , 2000 , 532, 909-921	4.7	27
121	The Molecular Outflow in NGC 253 at a Resolution of Two Parsecs. <i>Astrophysical Journal</i> , 2019 , 881, 43	4.7	27
120	ACA [CII] observations of the starburst galaxy NGC 253. <i>Astronomy and Astrophysics</i> , 2016 , 592, L3	5.1	26
119	Molecular fraction limits in damped Lyman α absorption systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 352, 563-570	4.3	26
118	Interpreting the HCN/CO Intensity Ratio in the Galactic Center. <i>Astrophysical Journal</i> , 1998 , 493, 680-693	4.7	26
117	THE MOLECULAR GAS DENSITY IN GALAXY CENTERS AND HOW IT CONNECTS TO BULGES. <i>Astrophysical Journal</i> , 2013 , 764, 174	4.7	25
116	SPIFI: a direct-detection imaging spectrometer for submillimeter wavelengths. <i>Applied Optics</i> , 2002 , 41, 2561-74	1.7	25
115	Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: The KINGFISH Sample. <i>Astrophysical Journal</i> , 2020 , 889, 150	4.7	25

114	H I Kinematics along the Minor Axis of M82. <i>Astrophysical Journal</i> , 2018 , 856, 61	4.7	24
113	THE WATER VAPOR SPECTRUM OF APM 08279+5255: X-RAY HEATING AND INFRARED PUMPING OVER HUNDREDS OF PARSECS. <i>Astrophysical Journal Letters</i> , 2011 , 741, L37	7.9	24
112	LABOCA observations of giant molecular clouds in the southwest region of the Small Magellanic Cloud. <i>Astronomy and Astrophysics</i> , 2010 , 524, A52	5.1	24
111	ATMOSPHERIC PHASE CORRECTION USING CARMA-PACS: HIGH ANGULAR RESOLUTION OBSERVATIONS OF THE FU ORIONIS STAR PP 135*. <i>Astrophysical Journal</i> , 2010 , 724, 493-501	4.7	24
110	Far-infrared line imaging of the starburst ring in NGC 1097 with the Herschel/PACS spectrometer. <i>Astronomy and Astrophysics</i> , 2010 , 518, L60	5.1	23
109	PHANGS ALMA Data Processing and Pipeline. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 255, 19	8	23
108	SPATIALLY EXTENDED AND HIGH-VELOCITY DISPERSION MOLECULAR COMPONENT IN SPIRAL GALAXIES: SINGLE-DISH VERSUS INTERFEROMETRIC OBSERVATIONS. <i>Astronomical Journal</i> , 2015 , 149, 76	4.9	22
107	The EDGE-CALIFA Survey: Evidence for Pervasive Extraplanar Diffuse Ionized Gas in Nearby Edge-on Galaxies. <i>Astrophysical Journal</i> , 2019 , 882, 84	4.7	22
106	THE EGN0G SURVEY: GAS EXCITATION IN NORMAL GALAXIES AT $z \sim 0.3$. <i>Astrophysical Journal</i> , 2013 , 763, 64	4.7	21
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