

Yu Gao

List of Publications by Year in descending order

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143
papers

6,972
citations

57631

44
h-index

62479

80
g-index

144
all docs

144
docs citations

144
times ranked

4079
citing authors

#	ARTICLE	IF	CITATIONS
1	The Star Formation Rate and Dense Molecular Gas in Galaxies. <i>Astrophysical Journal</i> , 2004, 606, 271-290.	1.6	796
2	HCN Survey of Normal Spiral, Infrared-luminous, and Ultraluminous Galaxies. <i>Astrophysical Journal</i> , Supplement Series, 2004, 152, 63-80.	3.0	399
3	Connecting Dense Gas Tracers of Star Formation in our Galaxy to High- z Star Formation. <i>Astrophysical Journal</i> , 2005, 635, L173-L176.	1.6	297
4	Black hole accretion and star formation as drivers of gas excitation and chemistry in Markarian 231. <i>Astronomy and Astrophysics</i> , 2010, 518, L42.	2.1	247
5	CO excitation of normal star-forming galaxies out to $z = 1.5$ as regulated by the properties of their interstellar medium. <i>Astronomy and Astrophysics</i> , 2015, 577, A46.	2.1	213
6	Inefficient star formation in extremely metal poor galaxies. <i>Nature</i> , 2014, 514, 335-338.	13.7	176
7	The molecular gas in luminous infrared galaxies - I. CO lines, extreme physical conditions and their drivers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2601-2629.	1.6	170
8	THE MOLECULAR GAS IN LUMINOUS INFRARED GALAXIES. II. EXTREME PHYSICAL CONDITIONS AND THEIR EFFECTS ON THE CO FACTOR. <i>Astrophysical Journal</i> , 2012, 751, 10.	1.6	153
9	MOLECULAR GAS IN EXTREME STAR-FORMING ENVIRONMENTS: THE STARBURSTS Arp 220 AND NGC 6240 AS CASE STUDIES. <i>Astrophysical Journal</i> , 2009, 692, 1432-1446.	1.6	144
10	THE HERSCHEL COMPREHENSIVE (U)LIRG EMISSION SURVEY (HERCULES): CO LADDERS, FINE STRUCTURE LINES, AND NEUTRAL GAS COOLING. <i>Astrophysical Journal</i> , 2015, 801, 72.	1.6	135
11	STAR FORMATION RELATIONS AND CO SPECTRAL LINE ENERGY DISTRIBUTIONS ACROSS THE J-LADDER AND REDSHIFT. <i>Astrophysical Journal</i> , 2014, 794, 142.	1.6	130
12	Powerful High-Velocity Dispersion Molecular Hydrogen Associated with an Intergalactic Shock Wave in Stephan's Quintet. <i>Astrophysical Journal</i> , 2006, 639, L51-L54.	1.6	127
13	Nonnuclear Hyper/Ultraluminous X-Ray Sources in the Starbursting Cartwheel Ring Galaxy. <i>Astrophysical Journal</i> , 2003, 596, L171-L174.	1.6	121
14	EVIDENCE FOR CO SHOCK EXCITATION IN NGC 6240 FROM HERSCHEL SPIRE SPECTROSCOPY. <i>Astrophysical Journal Letters</i> , 2013, 762, L16.	3.0	115
15	OUTSIDE-IN SHRINKING OF THE STAR-FORMING DISK OF DWARF IRREGULAR GALAXIES. <i>Astronomical Journal</i> , 2012, 143, 47.	1.9	114
16	Super-deblended Dust Emission in Galaxies. II. Far-IR to (Sub)millimeter Photometry and High-redshift Galaxy Candidates in the Full COSMOS Field. <i>Astrophysical Journal</i> , 2018, 864, 56.	1.6	108
17	HCN Observations of Dense Star-forming Gas in High-Redshift Galaxies. <i>Astrophysical Journal</i> , 2007, 660, L93-L96.	1.6	107
18	Super-deblended Dust Emission in Galaxies. I. The GOODS-North Catalog and the Cosmic Star Formation Rate Density out to Redshift 6. <i>Astrophysical Journal</i> , 2018, 853, 172.	1.6	102

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19	Molecular gas in the <i>Herschel</i> -selected strongly lensed submillimeter galaxies at $z \sim 2$ as probed by multi- <i>CO</i> lines. <i>Astronomy and Astrophysics</i> , 2017, 608, A144.	2.1	92
20	A Survey of Atomic Carbon [C i] in High-redshift Main-sequence Galaxies. <i>Astrophysical Journal</i> , 2018, 869, 27.	1.6	87
21	HIGH- <i>CO</i> VERSUS FAR-INFRARED RELATIONS IN NORMAL AND STARBURST GALAXIES. <i>Astrophysical Journal Letters</i> , 2015, 810, L14.	3.0	86
22	Automated Mining of the ALMA Archive in the COSMOS Field ($A_{3\text{COSMOS}}$). II. Cold Molecular Gas Evolution out to Redshift 6. <i>Astrophysical Journal</i> , 2019, 887, 235.	1.6	85
23	SHOCK-ENHANCED C^{+} EMISSION AND THE DETECTION OF H_2O FROM THE STEPHAN'S QUINTET GROUP-WIDE SHOCK USING <i>HERSCHEL</i> . <i>Astrophysical Journal</i> , 2013, 777, 66.	1.6	82
24	<i>Herschel</i> observations of water vapour in Markarian 231. <i>Astronomy and Astrophysics</i> , 2010, 518, L43.	2.1	78
25	DENSE GAS TRACERS AND STAR FORMATION LAWS IN ACTIVE GALAXIES: APEX SURVEY OF HCN , HCO^{+} , AND CS . <i>Astrophysical Journal Letters</i> , 2014, 784, L31.	3.0	75
26	Testing the universality of the star-formation efficiency in dense molecular gas. <i>Astronomy and Astrophysics</i> , 2017, 604, A74.	2.1	75
27	Molecular Gas Depletion and Starbursts in Luminous Infrared Galaxy Mergers. <i>Astrophysical Journal</i> , 1999, 512, L99-L103.	1.6	75
28	A <i>Herschel</i> Space Observatory Spectral Line Survey of Local Luminous Infrared Galaxies from 194 to 671 Microns. <i>Astrophysical Journal, Supplement Series</i> , 2017, 230, 1.	3.0	73
29	H_2O emission in high- z ultra-luminous infrared galaxies. <i>Astronomy and Astrophysics</i> , 2013, 551, A115.	2.1	72
30	Dust and gas in luminous proto-cluster galaxies at $z = 4.05$: the case for different cosmic dust evolution in normal and starburst galaxies. <i>Astronomy and Astrophysics</i> , 2014, 569, A98.	2.1	70
31	Molecular Gas and the Modest Star Formation Efficiency in the "Antennae" Galaxies: Arp 244 = NGC 4038/9. <i>Astrophysical Journal</i> , 2001, 548, 172-189.	1.6	70
32	The Properties of the Interstellar Medium of Galaxies across Time as Traced by the Neutral Atomic Carbon [C i]. <i>Astrophysical Journal</i> , 2020, 890, 24.	1.6	68
33	MOLECULAR GAS HEATING MECHANISMS, AND STAR FORMATION FEEDBACK IN MERGER/STARBURSTS: NGC 6240 AND Arp 193 AS CASE STUDIES. <i>Astrophysical Journal</i> , 2014, 788, 153.	1.6	67
34	Discovery of Four Apparently Cold Dusty Galaxies at $z = 3.62 - 5.85$ in the COSMOS Field: Direct Evidence of Cosmic Microwave Background Impact on High-redshift Galaxy Observables. <i>Astrophysical Journal</i> , 2019, 887, 144.	1.6	65
35	WATER VAPOR IN NEARBY INFRARED GALAXIES AS PROBED BY <i>HERSCHEL</i> . <i>Astrophysical Journal Letters</i> , 2013, 771, L24.	3.0	59
36	THE GLOBAL STAR FORMATION LAWS OF GALAXIES FROM A RADIO CONTINUUM PERSPECTIVE. <i>Astrophysical Journal</i> , 2015, 805, 31.	1.6	54

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37	Revisiting the Extended Schmidt Law: The Important Role of Existing Stars in Regulating Star Formation. <i>Astrophysical Journal</i> , 2018, 853, 149.	1.6	54
38	Neutral Carbon Emission in Luminous Infrared Galaxies: The [C i] Lines as Total Molecular Gas Tracers. <i>Astrophysical Journal Letters</i> , 2017, 840, L18.	3.0	53
39	The Effect of Galaxy Interactions on Molecular Gas Properties. <i>Astrophysical Journal</i> , 2018, 868, 132.	1.6	51
40	ALMA OBSERVATIONS OF WARM DENSE GAS IN NGC 1614—BREAKING OF THE STAR FORMATION LAW IN THE CENTRAL KILOPARSEC. <i>Astrophysical Journal</i> , 2015, 799, 11.	1.6	49
41	Submillimeter H ₂ O and H ₂ O emission in lensed ultra- and hyper-luminous infrared galaxies at $z \sim 4$. <i>Astronomy and Astrophysics</i> , 2016, 595, A80.	2.1	49
42	The Main Sequence at $z \sim 1.3$ Contains a Sizable Fraction of Galaxies with Compact Star Formation Sizes: A New Population of Early Post-starbursts?. <i>Astrophysical Journal Letters</i> , 2019, 877, L23.	3.0	48
43	MOLECULAR GAS IN INFRARED ULTRALUMINOUS QSO HOSTS. <i>Astrophysical Journal</i> , 2012, 750, 92.	1.6	45
44	WARM MOLECULAR GAS IN LUMINOUS INFRARED GALAXIES. <i>Astrophysical Journal Letters</i> , 2014, 787, L23.	3.0	45
45	THE [N ii] 205 μ m EMISSION IN LOCAL LUMINOUS INFRARED GALAXIES*. <i>Astrophysical Journal</i> , 2016, 819, 69.	1.6	45
46	A HERSCHEL SURVEY OF THE [N II] 205 μ m LINE IN LOCAL LUMINOUS INFRARED GALAXIES: THE [N II] 205 μ m EMISSION AS A STAR FORMATION RATE INDICATOR. <i>Astrophysical Journal Letters</i> , 2013, 765, L13.	3.0	41
47	CO Detections of Edge-on Low Surface Brightness Galaxies. <i>Astrophysical Journal</i> , 2001, 549, L191-L194.	1.6	40
48	HIFI Spectroscopy of H ₂ O Submillimeter Lines in Nuclei of Actively Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 846, 5.	1.6	38
49	Resolved Neutral Carbon Emission in Nearby Galaxies: [C i] Lines as Total Molecular Gas Tracers. <i>Astrophysical Journal</i> , 2019, 880, 133.	1.6	37
50	Star formation histories within the Antennae galaxies (Arp 244). <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 1839-1849.	1.6	36
51	SPATIALLY RESOLVED DENSE MOLECULAR GAS AND STAR FORMATION RATE IN M51. <i>Astrophysical Journal</i> , 2015, 810, 140.	1.6	36
52	CO emission in distant galaxies on and above the main sequence. <i>Astronomy and Astrophysics</i> , 2020, 641, A155.	2.1	36
53	Ionized and Atomic Interstellar Medium in the $z = 6.003$ Quasar SDSS J2310+1855. <i>Astrophysical Journal</i> , 2020, 900, 131.	1.6	36
54	Physical conditions of molecular gas in the Circinus galaxy Multi-CO and C ₃ O observations. <i>Astronomy and Astrophysics</i> , 2014, 568, A122.	2.1	35

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55	High Dense Gas Fraction in Intensely Star-forming Dusty Galaxies. <i>Astrophysical Journal</i> , 2017, 850, 170.	1.6	35
56	The MALATANG Survey: The $L_{\text{GAS}} \propto L_{\text{IR}}$ Correlation on Sub-kiloparsec Scale in Six Nearby Star-forming Galaxies as Traced by HCN $J=4 \rightarrow 3$ and HCO $J=4 \rightarrow 3$. <i>Astrophysical Journal</i> , 2018, 860, 165.	1.6	35
57	Gas and Dust in the Taffy Galaxies: UGC 12914/15. <i>Astronomical Journal</i> , 2007, 134, 118-134.	1.9	34
58	Carbon monoxide in an extremely metal-poor galaxy. <i>Nature Communications</i> , 2016, 7, 13789.	5.8	34
59	Mapping Infrared Enhancements in Closely Interacting Spiral-Spiral Pairs. I.ISOCAM and ISOSWS Observations. <i>Astrophysical Journal</i> , 2000, 541, 644-659.	1.6	34
60	LOCAL BENCHMARKS FOR THE EVOLUTION OF MAJOR-MERGER GALAXIES: SPITZER OBSERVATIONS OF A K-BAND SELECTED SAMPLE. <i>Astrophysical Journal</i> , 2010, 713, 330-355.	1.6	33
61	ALMA OBSERVATIONS OF WARM MOLECULAR GAS AND COLD DUST IN NGC 34. <i>Astrophysical Journal</i> , 2014, 787, 48.	1.6	33
62	MEASURING STAR FORMATION RATES AND FAR-INFRARED COLORS OF HIGH-REDSHIFT GALAXIES USING THE CO(7-6) AND [N II] 205 μm LINES. <i>Astrophysical Journal Letters</i> , 2015, 802, L11.	3.0	33
63	Probing the Full CO Spectral Line Energy Distribution (SLED) in the Nuclear Region of a Quasar-starburst System at $z=6.003$. <i>Astrophysical Journal</i> , 2020, 889, 162.	1.6	33
64	Star Formation Across the Taffy Bridge: UGC 12914/15. <i>Astronomical Journal</i> , 2003, 126, 2171-2184.	1.9	31
65	CO, H_2O , H_2O line and dust emission in a $z = 3.63$ strongly lensed starburst merger at sub-kiloparsec scales. <i>Astronomy and Astrophysics</i> , 2019, 624, A138.	2.1	30
66	HERSCHEL OBSERVATIONS OF MAJOR MERGER PAIRS AT $z=0$: DUST MASS AND STAR FORMATION. <i>Astrophysical Journal, Supplement Series</i> , 2016, 222, 16.	3.0	29
67	THE WEAK CARBON MONOXIDE EMISSION IN AN EXTREMELY METAL-POOR GALAXY, SEXTANS A. <i>Astrophysical Journal Letters</i> , 2015, 804, L11.	3.0	28
68	CO Excitation, Molecular Gas Density, and Interstellar Radiation Field in Local and High-redshift Galaxies. <i>Astrophysical Journal</i> , 2021, 909, 56.	1.6	28
69	CO in Stephan's Quintet: First Evidence of Molecular Gas in the Intragroup Starburst. <i>Astrophysical Journal</i> , 2000, 542, L83-L87.	1.6	28
70	^{12}CO , ^{13}CO and C^{18}O observations along the major axes of nearby bright infrared galaxies. <i>Research in Astronomy and Astrophysics</i> , 2011, 11, 787-810.	0.7	27
71	A STUDY ON THE CHEMICAL PROPERTIES OF BLUE COMPACT DWARF GALAXIES. <i>Astrophysical Journal</i> , 2013, 764, 44.	1.6	26
72	SiO and CH ₃ OH mega-masers in NGC 1068. <i>Nature Communications</i> , 2014, 5, 5449.	5.8	26

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73	A DEEP SEARCH FOR MOLECULAR GAS IN TWO MASSIVE LYMAN BREAK GALAXIES AT $z = 3$ AND 4 : VANISHING CO-EMISSION DUE TO LOW METALLICITY?. <i>Astrophysical Journal Letters</i> , 2013, 776, L24.	3.0	24
74	SCUBA-2 Ultra Deep Imaging EAO Survey (Studies). III. Multiwavelength Properties, Luminosity Functions, and Preliminary Source Catalog of 450 $\lambda_{250\mu}$ Selected Galaxies. <i>Astrophysical Journal</i> , 2020, 889, 80.	1.6	24
75	Nature of Widely Separated Ultraluminous Infrared Galaxies. <i>Astrophysical Journal</i> , 2001, 556, 141-149.	1.6	24
76	THE STELLAR POPULATION AND STAR FORMATION PROPERTIES OF BLUE COMPACT DWARF GALAXIES. <i>Astronomical Journal</i> , 2011, 141, 68.	1.9	22
77	Dense gas in low-metallicity galaxies. <i>Astronomy and Astrophysics</i> , 2017, 597, A44.	2.1	22
78	CHIMPS2: survey description and 12CO emission in the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5936-5951.	1.6	21
79	Mid-Infrared Images of Luminous Infrared Galaxies in a Merging Sequence. <i>Astrophysical Journal</i> , 1999, 511, L17-L20.	1.6	20
80	CO observations of major merger pairs at $z \approx 0$: molecular gas mass and star formation. <i>Astronomy and Astrophysics</i> , 2019, 627, A107.	2.1	20
81	Arp 302: Nonstarburst Luminous Infrared Galaxies. <i>Astrophysical Journal</i> , 1997, 475, L103-L106.	1.6	20
82	Minimal HCN emission from molecular clouds in M33. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1977-1984.	1.6	19
83	ALMA IMAGING OF THE CO (6-5) LINE EMISSION IN NGC 7130*. <i>Astrophysical Journal</i> , 2016, 820, 118.	1.6	19
84	Dense Gas in the Outer Spiral Arm of M51. <i>Astrophysical Journal</i> , 2017, 836, 101.	1.6	18
85	CO ($7\sim 6$), [C i] $370\ \mu\text{m}$, and [N ii] $205\ \mu\text{m}$ Line Emission of the QSO BRI 1335-0417 at Redshift 4.407. <i>Astrophysical Journal</i> , 2018, 864, 38.	1.6	18
86	Molecular Gas in the Spectacular Ring Galaxy NGC 1144. <i>Astrophysical Journal</i> , 1997, 481, L35-L38.	1.6	16
87	Resolving the Interstellar Medium in Ultraluminous Infrared QSO Hosts with ALMA. <i>Astrophysical Journal</i> , 2019, 887, 24.	1.6	16
88	Mid-Infrared and CO Observations of the Infrared/X-Ray Luminous Seyfert 1 Galaxy NGC 985: The Making or Breaking of a ULIRG?. <i>Astrophysical Journal</i> , 2002, 566, 682-698.	1.6	16
89	ALMA [N ii] $205\ \mu\text{m}$ Imaging Spectroscopy of the Interacting Galaxy System BRI 1202-0725 at Redshift $4.7^{+0.1}_{-0.2}$. <i>Astrophysical Journal Letters</i> , 2017, 842, L16.	3.0	15
90	From Haloes to Galaxies. II. The Fundamental Relations in Star Formation and Quenching. <i>Astrophysical Journal</i> , 2021, 907, 114.	1.6	15

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91	THE RADIO CONTINUUM, FAR-INFRARED EMISSION, AND DENSE MOLECULAR GAS IN GALAXIES. <i>Astrophysical Journal</i> , 2010, 713, 524-534.	1.6	14
92	JINGLE, a JCMT legacy survey of dust and gas for galaxy evolution studies: II. SCUBA-2 850 μ m data reduction and dust flux density catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4166-4185.	1.6	14
93	The Blue Compact Dwarf Galaxy VCC 848 Formed by Dwarf-Dwarf Merging: H I Gas, Star Formation, and Numerical Simulations. <i>Astrophysical Journal</i> , 2020, 900, 152.	1.6	14
94	A 3 mm high-resolution molecular line survey towards the centre of the nearby spiral galaxy NGC 6946. <i>Astronomy and Astrophysics</i> , 2022, 659, A173.	2.1	14
95	H I line observations of luminous infrared galaxy mergers. <i>Astronomy and Astrophysics</i> , 2001, 368, 64-73.	2.1	13
96	The effect of active galactic nuclei on the cold interstellar medium in distant star-forming galaxies. <i>Astronomy and Astrophysics</i> , 2021, 654, A165.	2.1	12
97	Submillimetre galaxies in two massive protoclusters at $z = 2.24$: witnessing the enrichment of extreme starbursts in the outskirts of HAE density peaks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4893-4908.	1.6	12
98	X-RAY EMISSION FROM THE TAFFY (VV254) GALAXIES AND BRIDGE. <i>Astrophysical Journal</i> , 2015, 812, 118.	1.6	11
99	ALMA [N ii] 205 μ m Imaging Spectroscopy of the Lensed Submillimeter Galaxy ID 141 at Redshift 4.24. <i>Astrophysical Journal</i> , 2020, 898, 33.	1.6	11
100	Progressive Starbursts and High Velocities in the Infrared-luminous, Colliding Galaxy Arp 118. <i>Astrophysical Journal</i> , 1998, 499, L153-L157.	1.6	11
101	Gas Distribution and Starburst Activity in the Widely Separated Interacting Galaxy Pair NGC 6670. <i>Astronomical Journal</i> , 2001, 122, 140-162.	1.9	10
102	Estimating the Molecular Gas Mass of Low-redshift Galaxies from a Combination of Mid-infrared Luminosity and Optical Properties. <i>Astrophysical Journal</i> , 2019, 887, 172.	1.6	10
103	SCUBA-2 Ultra Deep Imaging EAO Survey (STUDIES). IV. Spatial Clustering and Halo Masses of Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2020, 895, 104.	1.6	10
104	The Carbon-to-H ₂ , CO-to-H ₂ conversion factors, and carbon abundance on kiloparsec scales in nearby galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2360-2380.	1.6	10
105	HCN observations of nearby galaxies. <i>Astronomy and Astrophysics</i> , 2017, 600, A15.	2.1	9
106	Herschel Spectroscopy of the Taffy Galaxies (UGC 12914/12915 = VV 254): Enhanced [C ii] Emission in the Collisionally Formed Bridge. <i>Astrophysical Journal</i> , 2018, 855, 141.	1.6	9
107	The MALATANG survey: dense gas and star formation from high-transition HCN and HCO ⁺ maps of NGC 253. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1276-1296.	1.6	9
108	The SCUBA-2 web survey: I. Observations of CO(3 \rightarrow 2) in hyper-luminous QSO fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 753-769.	1.6	7

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109	HCN λ 3 μ m survey towards a sample of local galaxies. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	7
110	Oversized Gas Clumps in an Extremely Metal-poor Molecular Cloud Revealed by ALMA's Parsec-scale Maps. Astrophysical Journal, 2020, 892, 147.	1.6	7
111	Isotopologues of dense gas tracers in nearby infrared bright galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1095-1113.	1.6	7
112	Molecular Gas of the Most Massive Spiral Galaxies. I. A Case Study of NGC 5908. Astrophysical Journal, 2019, 877, 3.	1.6	6
113	Molecular Oxygen in the Nearest QSO Mrk 231. Astrophysical Journal, 2020, 889, 129.	1.6	6
114	ALMA Imaging of the CO (7 μ m) Line Emission in the Submillimeter Galaxy LESS 073 at $z=4.755^*$. Astrophysical Journal, 2020, 892, 145.	1.6	6
115	Distorted H [CSC]i/[CSC] Gas in the Widely Separated Luminous Infrared Galaxy Arp 256. Astronomical Journal, 2002, 123, 720-728.	1.9	6
116	The molecular gas resolved by ALMA in the low-metallicity merging dwarf galaxy Haro 11. Astronomy and Astrophysics, 2022, 661, A136.	2.1	6
117	The global star formation law of galaxies revisited in the radio continuum. Science China: Physics, Mechanics and Astronomy, 2012, 55, 347-353.	2.0	5
118	The HASHTAG Project: The First Submillimeter Images of the Andromeda Galaxy from the Ground. Astrophysical Journal, Supplement Series, 2021, 257, 52.	3.0	5
119	Starbursts near and far. Nature, 2008, 452, 417-419.	13.7	4
120	From Haloes to Galaxies. III. The Gas Cycle of Local Galaxy Populations. Astrophysical Journal, 2021, 915, 94.	1.6	4
121	NOEMA Observations of CO Emission in Arp 142 and Arp 238. Astrophysical Journal, 2021, 918, 55.	1.6	4
122	Azimuthal and Kinematic Segregation of Neutral and Molecular Gas in Arp 118: The Yin-Yang Galaxy NGC 1144. Astrophysical Journal, 2003, 586, 112-122.	1.6	3
123	Evolutionary stages and disk properties of young stellar objects in the Perseus cloud. Research in Astronomy and Astrophysics, 2015, 15, 1294-1324.	0.7	3
124	ALMA Observation of NGC 5135: The Circumnuclear CO (6 μ m) and Dust Continuum Emission at 45 pc Resolution*. Astrophysical Journal, 2018, 866, 117.	1.6	3
125	The HASHTAG project I. A survey of CO(3 μ m) emission from the star forming disc of M31. Monthly Notices of the Royal Astronomical Society, 2020, 492, 195-209.	1.6	3
126	Sustaining Star Formation in the Galactic Star Cluster M 36?. Astrophysical Journal, 2021, 910, 80.	1.6	3

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127	Deep Observations of CO and Free-Free Emission in Ultraluminous Infrared QSO IRAS F07599+6508. <i>Astrophysical Journal</i> , 2021, 913, 82.	1.6	3
128	Revisiting the Color-Color Selection: Submillimeter and AGN Properties of NUV-selected Quiescent Galaxies. <i>Astrophysical Journal</i> , 2021, 913, 6.	1.6	3
129	Cold Gas in Massive Galaxies as a Critical Test of Black Hole Feedback Models. <i>Astrophysical Journal</i> , 2022, 927, 189.	1.6	3
130	Dense molecular gas tracers in high mass star formation regions. <i>Research in Astronomy and Astrophysics</i> , 2016, 16, 005.	0.7	2
131	ALMA Maps of Dust and Warm Dense Gas Emission in the Starburst Galaxy IC 5179*. <i>Astrophysical Journal</i> , 2017, 845, 58.	1.6	2
132	Characteristics of Massive Star-forming Molecular Cores: The Spectral Observations of 12CO, 13CO and C18O and the Statistical Comparison. <i>Chinese Astronomy and Astrophysics</i> , 2009, 33, 32-47.	0.1	1
133	A Herschel Mapping of ν and ν Lines from the Circumnuclear Region of M31. <i>Astrophysical Journal</i> , 2020, 905, 138.	1.6	1
134	A Galaxy Merging Sequence Traced by X-rays. <i>Symposium - International Astronomical Union</i> , 2004, 217, 430-431.	0.1	0
135	HCN Observations of Submillimeter Galaxies and QSOs at High Redshift. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 403-403.	0.0	0
136	The global star formation law: from dense cores to extreme starbursts. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 331-335.	0.0	0
137	Comparative study of the relationships between CO isotopic luminosities and infrared luminosity for the Galactic dense cores. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1169-1178.	2.0	0
138	Radial variations of the SFHs of dwarf irregular galaxies. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 345-348.	0.0	0
139	High resolution SMA imaging of (ultra)-luminous infrared galaxies. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 471-474.	0.0	0
140	The molecular gas in Luminous Infrared Galaxies: a new emergent picture. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 209-214.	0.0	0
141	Hydrocarbons in Massive Star Forming Regions: C ₂ H Observations. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, .	0.0	0
142	Weak CS emission in an extremely metal-poor galaxy DDO 70. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 496, L38-L42.	1.2	0
143	Diagnosing Triggered Star Formation in the Galactic H II region Sh 2-142. <i>Astrophysical Journal</i> , 2022, 928, 17.	1.6	0