

Axel Weiß

List of Publications by Year in descending order

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47
papers

3,673
citations

136885

32
h-index

223716

46
g-index

47
all docs

47
docs citations

47
times ranked

2488
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	AN ALMA SURVEY OF SUBMILLIMETER GALAXIES IN THE EXTENDED CHANDRA DEEP FIELD SOUTH: THE REDSHIFT DISTRIBUTION AND EVOLUTION OF SUBMILLIMETER GALAXIES. <i>Astrophysical Journal</i> , 2014, 788, 125.	1.6	245
3	ALMA REDSHIFTS OF MILLIMETER-SELECTED GALAXIES FROM THE SPT SURVEY: THE REDSHIFT DISTRIBUTION OF DUSTY STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 767, 88.	1.6	232
4	Highly-excited CO emission in APM08279+5255 at $z=3.9$. <i>Astronomy and Astrophysics</i> , 2007, 467, 955-969. 213		
5	Galaxy growth in a massive halo in the first billion years of cosmic history. <i>Nature</i> , 2018, 553, 51-54.	13.7	169
6	Gas and dust in the Cloverleaf quasar at redshift 2.5. <i>Astronomy and Astrophysics</i> , 2003, 409, L41-L45.	2.1	146
7	The spectral energy distribution of CO lines in M82. <i>Astronomy and Astrophysics</i> , 2005, 438, 533-544.	2.1	135
8	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
9	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
10	A SURVEY OF ATOMIC CARBON AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2011, 730, 18.	1.6	124
11	The nature of the [CII] emission in dusty star-forming galaxies from the SPT survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2883-2900.	1.6	119
12	EVIDENCE FOR CO SHOCK EXCITATION IN NGC 6240 FROM HERSCHEL SPIRE SPECTROSCOPY. <i>Astrophysical Journal Letters</i> , 2013, 762, L16.	3.0	115
13	ALMA OBSERVATIONS OF SPT-DISCOVERED, STRONGLY LENSED, DUSTY, STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 767, 132.	1.6	109
14	ALMA MULTI-LINE IMAGING OF THE NEARBY STARBURST NGC 253. <i>Astrophysical Journal</i> , 2015, 801, 63.	1.6	109
15	THE REST-FRAME SUBMILLIMETER SPECTRUM OF HIGH-REDSHIFT, DUSTY, STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014, 785, 149.	1.6	105
16	Atomic carbon at redshift ~ 2.5 . <i>Astronomy and Astrophysics</i> , 2005, 429, L25-L28.	2.1	97
17	ALMA observations of atomic carbon in $z < 1.4$ dusty star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2825-2841.	1.6	94
18	Lambda = 3 mm line survey of nearby active galaxies. <i>Astronomy and Astrophysics</i> , 2015, 579, A101.	2.1	89

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19	Molecular outflows in local galaxies: Method comparison and a role of intermittent AGN driving. <i>Astronomy and Astrophysics</i> , 2020, 633, A134.	2.1	85
20	<i>Herschel</i> observations of water vapour in Markarian 231. <i>Astronomy and Astrophysics</i> , 2010, 518, L43.	2.1	78
21	PHIBSS2: survey design and $z < 0.5$ – 0.8 results. <i>Astronomy and Astrophysics</i> , 2019, 622, A105.	2.1	77
22	Molecular Gas in Three $z \sim 1.4$ Quasar Host Galaxies. <i>Astrophysical Journal</i> , 2017, 845, 154.	1.6	74
23	H_{2} emission in high- z ultra-luminous infrared galaxies. <i>Astronomy and Astrophysics</i> , 2013, 551, A115.	2.1	72
24	A Spatially Resolved Study of Cold Dust, Molecular Gas, H ii Regions, and Stars in the $z = 2.12$ Submillimeter Galaxy ALESS67.1. <i>Astrophysical Journal</i> , 2017, 846, 108.	1.6	71
25	SUBMILLIMETER OBSERVATIONS OF MILLIMETER BRIGHT GALAXIES DISCOVERED BY THE SOUTH POLE TELESCOPE. <i>Astrophysical Journal</i> , 2012, 756, 101.	1.6	67
26	HIGH- J CO SLEDs IN NEARBY INFRARED BRIGHT GALAXIES OBSERVED BY <i>HERSCHEL</i> /PACS. <i>Astrophysical Journal</i> , 2015, 802, 81.	1.6	65
27	Fast molecular outflow from a dusty star-forming galaxy in the early Universe. <i>Science</i> , 2018, 361, 1016-1019.	6.0	59
28	Submillimeter H_{2} and $H_{2}O$ emission in lensed ultra- and hyper-luminous infrared galaxies at $z \sim 2$. <i>Astronomy and Astrophysics</i> , 2016, 595, A80.	2.1	49
29	VLA – ALMA Spectroscopic Survey in the Hubble Ultra Deep Field (VLASPECS): Total Cold Gas Masses and CO Line Ratios for $z = 2$ – 3 Main-sequence Galaxies. <i>Astrophysical Journal Letters</i> , 2020, 896, L21.	3.0	47
30	Millimeter-wave Point Sources from the 2500 Square Degree SPT-SZ Survey: Catalog and Population Statistics. <i>Astrophysical Journal</i> , 2020, 900, 55.	1.6	40
31	HIFI Spectroscopy of H_{2} Submillimeter Lines in Nuclei of Actively Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 846, 5.	1.6	38
32	A dense, solar metallicity ISM in the $z = 4.2$ dusty star-forming galaxy SPT 0418 ⁺ 47. <i>Astronomy and Astrophysics</i> , 2019, 631, A167.	2.1	35
33	Ubiquitous Molecular Outflows in $z > 4$ Massive, Dusty Galaxies. II. Momentum-driven Winds Powered by Star Formation in the Early Universe. <i>Astrophysical Journal</i> , 2020, 905, 86.	1.6	33
34	Imaging the molecular interstellar medium in a gravitationally lensed star-forming galaxy at $z = 5.7$. <i>Astronomy and Astrophysics</i> , 2019, 628, A23.	2.1	28
35	Close-up view of a luminous star-forming galaxy at $z = 2.95$. <i>Astronomy and Astrophysics</i> , 2021, 646, A122.	2.1	23
36	Molecular Line Observations in Two Dusty Star-forming Galaxies at $z = 6.9$. <i>Astrophysical Journal</i> , 2021, 921, 97.	1.6	20

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37	A Thorough View of the Nuclear Region of NGC 253: Combined Herschel, SOFIA, and APEX Data Set. <i>Astrophysical Journal</i> , 2018, 860, 23.	1.6	18
38	Outflows from Super Star Clusters in the Central Starburst of NGC 253. <i>Astrophysical Journal</i> , 2021, 912, 4.	1.6	16
39	The Molecular Interstellar Medium in the Super Star Clusters of the Starburst NGC 253. <i>Astrophysical Journal</i> , 2020, 897, 176.	1.6	14
40	Source Structure and Molecular Gas Properties from High-resolution CO Imaging of SPT-selected Dusty Star-forming Galaxies. <i>Astrophysical Journal</i> , 2019, 873, 50.	1.6	11
41	The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: Constraining the Molecular Content at $\log(M_{\text{CO}}/M_{\text{SFR}}) \sim 1.5$ with CO Stacking of MUSE-detected $z \sim 1.5$ Galaxies. <i>Astrophysical Journal</i> , 2020, 902, 113.	1.6	11
42	The Turbulent Gas Structure in the Centers of NGC 253 and the Milky Way. <i>Astrophysical Journal</i> , 2020, 899, 158.	1.6	9
43	Resolved Neutral Outflow from a Lensed Dusty Star-forming Galaxy at $z = 2.09$. <i>Astrophysical Journal</i> , 2021, 919, 5.	1.6	7
44	Chaotic and Clumpy Galaxy Formation in an Extremely Massive Reionization-era Halo. <i>Astrophysical Journal Letters</i> , 2022, 929, L3.	3.0	6
45	Multiphase ISM in the $z = 5.7$ Hyperluminous Starburst SPT 0346-52. <i>Astrophysical Journal</i> , 2022, 928, 179.	1.6	4
46	Multiwavelength Characterization of an ACT-selected, Lensed Dusty Star-forming Galaxy at $z = 2.64$. <i>Astrophysical Journal</i> , 2017, 844, 110.	1.6	3
47	More than star formation: High-J CO SLEDs of high- z galaxies. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 162-167.	0.0	0