Andrea Pallottini

List of Publications by Year
in descending order

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69 papers	3,023 citations	126708 33 h-index	174990 52 g-index
69 all docs	69 docs citations	69 times ranked	1641 citing authors

#	Article	IF	Citations
1	ON THE [C ii]â€“SFR RELATION IN HIGH REDSHIFT GALAXIES. Astrophysical Journal, 2015, 813, 36.	1.6	144
2	Extended ionised and clumpy gas in a normal galaxy at z = 7.1 revealed by ALMA. Astronomy and Astrophysics, 2017, 605, A42.	2.1	125
3	Kiloparsec-scale gaseous clumps and star formation at zÂ=Â5â€“7. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1170-1184.	1.6	111
4	Large Population of ALMA Galaxies at zÂ>Â6 with Very High [O iii]Â88 Î¼m to [C ii]Â158 Î¼m Flux Ratios: Evidence of Extremely High Ionization Parameter or PDR Deficit?. Astrophysical Journal, 2020, 896, 93.	1.6	109
5	Zooming on the internal structure of zâ‰ƒ6 galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2540-2558.	1.6	100
6	Simulating cosmic metal enrichment by the first galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2498-2518.	1.6	93
7	First Identification of 10 kpc [C ii]Â158 Î¼m Halos around Star-forming Galaxies at zÂ=Â5â€“7. Astrophysical Journal, 2019, 887, 107.	1.6	92
8	Dusty galaxies in the Epoch of Reionization: simulations. Monthly Notices of the Royal Astronomical Society, 2018, 477, 552-565.	1.6	91
9	Deep into the structure of the first galaxies: SERRA views. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1689-1708.	1.6	90
10	The impact of chemistry on the structure of high-z galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4128-4143.	1.6	86
11	Hydrogen reionization ends by z = 5.3: Lyman-Î± optical depth measured by the XQR-30 sample. Monthly Notices of the Royal Astronomical Society, 2022, 514, 55-76.	1.6	82
12	ALMA Reveals Metals yet No Dust within Multiple Components in CR7. Astrophysical Journal, 2017, 851, 145.	1.6	81
13	Reionization Era Bright Emission Line Survey: Selection and Characterization of Luminous Interstellar Medium Reservoirs in the z > 6.5 Universe. Astrophysical Journal, 2022, 931, 160.	1.6	77
14	A physical model for [Câ€‰ii] line emission from galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1-12.	1.6	71
15	Normal, dust-obscured galaxies in the epoch of reionization. Nature, 2021, 597, 489-492.	13.7	71
16	High-mass X-ray binaries and the cosmic 21-cm signal: impact of host galaxy absorption. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1166-1174.	1.6	66
17	Intensity mapping of [Câ€‰ii] emission from early galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3829-3839.	1.6	65
18	Kinematics of z â‰¥ 6 galaxies from [C ii] line emission. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3007-3020.	1.6	65

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19	Missing [Câ€‰<scp>ii</scp>] emission from early galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5136-5150.	1.6	61
20	The ALMA REBELS survey: the dust content of z âˆ¼ 7 Lyman break galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 989-1002.	1.6	60
21	CO line emission from galaxies in the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2018, 473, 271-285.	1.6	54
22	The ALMA REBELS Survey: cosmic dust temperature evolution out to z âˆ¼ 7. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3122-3135.	1.6	51
23	ALMA suggests outflows in zÂâˆ¼Â5.5 galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1909-1917.	1.6	47
24	Warm dust in high-z galaxies: origin and implications. Monthly Notices of the Royal Astronomical Society, 2020, 497, 956-968.	1.6	47
25	The ALMA REBELS Survey: dust continuum detections at z > 6.5. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3126-3143.	1.6	46
26	Molecular gas on large circumgalactic scales at zâ€‰=â€‰3.47. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3468-3483.	1.6	44
27	Quasar outflows at z â‰¥ 6: the impact on the host galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4003-4020.	1.6	44
28	The ALMA REBELS Survey. Epoch of Reionization giants: Properties of dusty galaxies at z â‰ˆ 7. Monthly Notices of the Royal Astronomical Society, 2022, 512, 58-72.	1.6	44
29	Witnessing Galaxy Assembly at the Edge of the Reionization Epoch*. Astrophysical Journal Letters, 2018, 863, L29.	3.0	43
30	Accurate dust temperature determination in a z = 7.13 galaxy. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 508, L58-L63.	1.2	42
31	Dust temperature in ALMA [Câ€‰<scp>ii</scp>]-detected high-z galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4878-4891.	1.6	40
32	Chasing the Tail of Cosmic Reionization with Dark Gap Statistics in the LyÎ± Forest over 5 < z < 6. Astrophysical Journal, 2021, 923, 223.	1.6	39
33	A survey of high-z galaxies: SERRA simulations. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	37
34	Missing cosmic metals revealed by X-ray absorption towards distant sources. Astronomy and Astrophysics, 2015, 575, A43.	2.1	34
35	The dense molecular gas in the zâ€†â€„âˆ¼â€„â€†6 QSO SDSS J231038.88+185519.7 resolved by ALMA. Astronomy and Astrophysics, 2018, 619, A39.	2.1	34
36	Galaxy Evolution Studies with the SPace IR Telescope for Cosmology and Astrophysics (SPICA): The Power of IR Spectroscopy. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	32

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37	Mapping metals at high redshift with far-infrared lines. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1898-1909.	1.6	30
38	The nature of the Lyman Î± emitter CR7: a persisting puzzle. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 468, L77-L81.	1.2	30
39	Outflows and extended [Câ€‰ii] haloes in high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 495, 160-172.	1.6	30
40	The brightest Lyâ€‰Î± emitter: Pop III or black hole?. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2466-2471.	1.6	29
41	High [Oâ€‰<scp>iii</scp>]/[Câ€‰<scp>ii</scp>] surface brightness ratios trace early starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5543-5553.	1.6	29
42	Long Dark Gaps in the LyÎ² Forest at z < 6: Evidence of Ultra-late Reionization from XQR-30 Spectra. Astrophysical Journal, 2022, 932, 76.	1.6	28
43	Predicting FIR lines from simulated galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 496, 5160-5175.	1.6	27
44	Photoevaporation of Jeans-unstable molecular clumps. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3377-3391.	1.6	26
45	Impact of X-rays on CO emission from high-z galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4502-4514.	1.6	26
46	LyÂÎ± emission from galaxies in the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2197-2209.	1.6	26
47	The circumgalactic medium of high-redshift galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 444, L105-L109.	1.2	25
48	Constraints on high-J CO emission lines in z âˆ¼ 6 quasars. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	24
49	Molecular clouds photoevaporation and FIR line emission. Monthly Notices of the Royal Astronomical Society, 0, , stx180.	1.6	23
50	Velocity dispersion in the interstellar medium of early galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1250-1265.	1.6	23
51	X-ray spectroscopy of the zÂ=Â6.4 quasar SDSS J1148+5251. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3590-3597.	1.6	21
52	Infrared emission of z âˆ¼ 6 galaxies: AGN imprints. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2349-2368.	1.6	20
53	Molecular clumps photoevaporation in ionized regions. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4476-4487.	1.6	17
54	Star formation law in the epoch of reionization from [Câ€‰<scp>ii</scp>] and Câ€‰<scp>iii</scp>] lines. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 495, L22-L26.	1.2	17

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55	Challenges and Techniques for Simulating Line Emission. Galaxies, 2018, 6, 100.	1.1	16
56	GAME: GAlaxy Machine learning for Emission lines. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1484-1494.	1.6	15
57	Inferring physical properties of galaxies from their emission-line spectra. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1144-1156.	1.6	14
58	Probing the high-redshift universe with SPICA: Toward the epoch of reionisation and beyond. Publications of the Astronomical Society of Australia, 2018, 35, .	1.3	14
59	Shaping the structure of a GMC with radiation and winds. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4718-4732.	1.6	13
60	The dust attenuation law in z âˆ¼ 6 quasars. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3946-3961.	1.6	13
61	The stellar populations of high-redshift dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4134-4149.	1.6	12
62	Measuring the Density Fields around Bright Quasars at z âˆ¼ 6 with XQR-30 Spectra. Astrophysical Journal, 2022, 931, 29.	1.6	12
63	Simulating intergalactic quasar scintillation. Monthly Notices of the Royal Astronomical Society, 2013, 434, 3293-3304.	1.6	11
64	The interstellar medium of dwarf galaxies: new insights from Machine Learning analysis of emission-line spectra. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1295-1313.	1.6	9
65	Early galaxy growth: mergers or gravitational instability?. Monthly Notices of the Royal Astronomical Society, 2020, 500, 118-137.	1.6	9
66	The 21-cm signal from the cosmic dawn: metallicity dependence of high-mass X-ray binaries. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5097-5108.	1.6	7
67	Dwarf Satellites of High-z Lyman Break Galaxies: A Free Lunch for JWST. Astrophysical Journal Letters, 2021, 913, L25.	3.0	5
68	Dynamical Properties of Molecular-forming Gas Clumps in Galaxies at the Epoch of Reionization. Astrophysical Journal, 2020, 895, 24.	1.6	4
69	Dynamical properties of Molecular Cloud Complexes at the Epoch of Reionization. Proceedings of the International Astronomical Union, 2019, 15, 38-39.	0.0	0