

# Margherita Talia

## List of Publications by Year in descending order

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87  
papers

3,799  
citations

101384

36  
h-index

143772

57  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2421  
citing authors

#	ARTICLE	IF	CITATIONS
1	The VIMOS Ultra-Deep Survey: $\sim 10^6$ galaxies with spectroscopic redshifts to study galaxy assembly at early epochs $2 < z < 6$ . <i>Astronomy and Astrophysics</i> , 2015, 576, A79.	2.1	251
2	The evolving star formation rate: $M_{\star}$ relation and sSFR since $z = 5$ from the VUDS spectroscopic survey. <i>Astronomy and Astrophysics</i> , 2015, 581, A54.	2.1	142
3	The ALPINE-ALMA [CII] survey: Data processing, catalogs, and statistical source properties. <i>Astronomy and Astrophysics</i> , 2020, 643, A2.	2.1	136
4	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A1.	2.1	125
5	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A8.	2.1	113
6	The VIMOS Ultra Deep Survey: Nature, ISM properties, and ionizing spectra of CIII] $\lambda 1909$ emitters at $z = 2-4$ . <i>Astronomy and Astrophysics</i> , 2018, 612, A94.	2.1	101
7	The ALPINE-ALMA [C ii] Survey: Multiwavelength Ancillary Data and Basic Physical Measurements. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 61.	3.0	99
8	The VIMOS Ultra-Deep Survey (VUDS): fast increase in the fraction of strong Lyman- $\alpha$ emitters from $z = 2$ to $z = 6$ . <i>Astronomy and Astrophysics</i> , 2015, 573, A24.	2.1	98
9	The VANDELS ESO public spectroscopic survey: Observations and first data release. <i>Astronomy and Astrophysics</i> , 2018, 616, A174.	2.1	93
10	The ALPINE-ALMA [C II] survey: Star-formation-driven outflows and circumgalactic enrichment in the early Universe. <i>Astronomy and Astrophysics</i> , 2020, 633, A90.	2.1	90
11	The ALPINE-ALMA [C $\alpha$ ] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A3.	2.1	86
12	The ALPINE-ALMA [C ii] Survey: Size of Individual Star-forming Galaxies at $z = 4-6$ and Their Extended Halo Structure. <i>Astrophysical Journal</i> , 2020, 900, 1.	1.6	86
13	The Lyman continuum escape fraction of galaxies at $z = 3.3$ in the VUDS-LBC/COSMOS field. <i>Astronomy and Astrophysics</i> , 2016, 585, A48.	2.1	84
14	The VANDELS survey: the star-formation histories of massive quiescent galaxies at $1.0 < z < 1.3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 417-439.	1.6	83
15	Analogue of primeval galaxies two billion years after the Big Bang. <i>Nature Astronomy</i> , 2017, 1, .	4.2	80
16	The VANDELS ESO public spectroscopic survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, .	1.6	79
17	The VIMOS Ultra Deep Survey first data release: Spectra and spectroscopic redshifts of 698 objects up to $z < 6$ in CANDELS. <i>Astronomy and Astrophysics</i> , 2017, 600, A110.	2.1	75
18	The progeny of a cosmic titan: a massive multi-component proto-supercluster in formation at $z = 2.45$ in VUDS. <i>Astronomy and Astrophysics</i> , 2018, 619, A49.	2.1	72

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19	Discovery of a rich proto-cluster at $z = 2.9$ and associated diffuse cold gas in the VIMOS Ultra-Deep Survey (VUDS). <i>Astronomy and Astrophysics</i> , 2014, 570, A16.	2.1	70
20	The VANDELS survey: the stellar metallicities of star-forming galaxies at $\{2.5, 3, 4, 5\}$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2038-2060.	1.6	70
21	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A4.	2.1	69
22	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2021, 649, A152.	2.1	56
23	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A5.	2.1	55
24	VIMOS Ultra-Deep Survey (VUDS): Witnessing the assembly of a massive cluster at $z \sim 3.3$ . <i>Astronomy and Astrophysics</i> , 2014, 572, A41.	2.1	54
25	ACTIVE GALACTIC NUCLEUS FEEDBACK AT $z \sim 2$ AND THE MUTUAL EVOLUTION OF ACTIVE AND INACTIVE GALAXIES. <i>Astrophysical Journal Letters</i> , 2013, 779, L13.	3.0	52
26	Dust attenuation in $z \sim 1$ galaxies from <i>Herschel</i> and 3D-HST $H_{16}$ measurements. <i>Astronomy and Astrophysics</i> , 2016, 586, A83.	2.1	50
27	ALMA view of a massive spheroid progenitor: a compact rotating core of molecular gas in an AGN host at $z = 2.226$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3956-3963.	1.6	50
28	Physical Characterization of an Unlensed, Dusty Star-forming Galaxy at $z = 5.85$ . <i>Astrophysical Journal</i> , 2019, 887, 55.	1.6	48
29	The VANDELS ESO public spectroscopic survey. <i>Astronomy and Astrophysics</i> , 2021, 647, A150.	2.1	46
30	The NIRVANDELS Survey: a robust detection of $\hat{I}$ -enhancement in star-forming galaxies at $z$ of 3.4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 903-920.	1.6	45
31	Discovering extremely compact and metal-poor, star-forming dwarf galaxies out to $z \sim 0.9$ in the VIMOS Ultra-Deep Survey. <i>Astronomy and Astrophysics</i> , 2014, 568, L8.	2.1	44
32	The properties of He II $\lambda 1640$ emitters at $z \sim 2.5$ from the VANDELS survey. <i>Astronomy and Astrophysics</i> , 2020, 636, A47.	2.1	44
33	The VIMOS Ultra-Deep Survey: evidence for AGN feedback in galaxies with CIII] $\lambda 1908$ Å... emission 10.8 to 12.5 Gyr ago. <i>Astronomy and Astrophysics</i> , 2019, 625, A51.	2.1	43
34	The VIMOS Ultra Deep Survey: Ly $\alpha$ emission and stellar populations of star-forming galaxies at $z \sim 2.5$ . <i>Astronomy and Astrophysics</i> , 2016, 588, A26.	2.1	39
35	The ALPINE-ALMA [C II] survey. <i>Astronomy and Astrophysics</i> , 2021, 646, A76.	2.1	39
36	Illuminating the Dark Side of Cosmic Star Formation Two Billion Years after the Big Bang. <i>Astrophysical Journal</i> , 2021, 909, 23.	1.6	39

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37	The VANDELS survey: the role of ISM and galaxy physical properties in the escape of Ly $\alpha$ emission in $z \sim 3.5$ star-forming galaxies. <i>Astronomy and Astrophysics</i> , 2019, 631, A19.	2.1	37
38	GMSS ultradeep spectroscopy of galaxies at $z \sim 2$ . <i>Astronomy and Astrophysics</i> , 2012, 539, A61.	2.1	34
39	Characterization of star-forming dwarf galaxies at $0.1 \lesssim z \lesssim 0.9$ in VUDS: probing the low-mass end of the mass-metallicity relation. <i>Astronomy and Astrophysics</i> , 2017, 601, A95.	2.1	33
40	The VANDELS survey: dust attenuation in star-forming galaxies at $z = 3-4$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3218-3232.	1.6	33
41	Mapping Obscuration to Reionization with ALMA (MORA): 2 mm Efficiently Selects the Highest-redshift Obscured Galaxies. <i>Astrophysical Journal</i> , 2021, 923, 215.	1.6	33
42	The VANDELS survey: The relation between the UV continuum slope and stellar metallicity in star-forming galaxies at $z \sim 3$ . <i>Astronomy and Astrophysics</i> , 2021, 646, A39.	2.1	31
43	Evolution of clustering length, large-scale bias, and host halo mass at $2 \lesssim z \lesssim 5$ in the VIMOS Ultra Deep Survey (VUDS). <i>Astronomy and Astrophysics</i> , 2015, 583, A128.	2.1	30
44	AGN-enhanced outflows of low-ionization gas in star-forming galaxies at $1.7 \lesssim z \lesssim 4.6^*$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4527-4540.	1.6	30
45	The ALPINE-ALMA [CII] Survey: kinematic diversity and rotation in massive star-forming galaxies at $z \sim 4.4-5.9$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3540-3563.	1.6	29
46	Constraining Lyman-alpha spatial offsets at $3 \lesssim z \lesssim 5.5$ from VANDELS slit spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 706-719.	1.6	28
47	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A6.	2.1	27
48	Characterization of Two 2 mm detected Optically Obscured Dusty Star-forming Galaxies. <i>Astrophysical Journal</i> , 2022, 925, 23.	1.6	27
49	No strong dependence of Lyman continuum leakage on physical properties of star-forming galaxies at $z \sim 3.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 120-138.	1.6	27
50	Stellar mass to halo mass relation from galaxy clustering in VUDS: a high star formation efficiency at $z \sim 3$ . <i>Astronomy and Astrophysics</i> , 2015, 576, L7.	2.1	26
51	Impact of X-rays on CO emission from high- $z$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4502-4514.	1.6	26
52	Effect of the star formation histories on the $SFR-M_{\star}$ relation at $z \sim 2$ . <i>Astronomy and Astrophysics</i> , 2016, 593, A9.	2.1	24
53	VIMOS Ultra-Deep Survey (VUDS): IGM transmission towards galaxies with $2.5 \lesssim z \lesssim 5.5$ and the colour selection of high-redshift galaxies. <i>Astronomy and Astrophysics</i> , 2017, 597, A88.	2.1	23
54	The VANDELS survey: a strong correlation between Ly $\alpha$ equivalent width and stellar metallicity at $3 \lesssim z \lesssim 5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1501-1510.	1.6	23

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55	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A7.	2.1	23
56	The ALPINE-ALMA [C II] Survey: [C II] 158 $\mu\text{m}$ Emission Line Luminosity Functions at $z \approx 4$ . <i>Astrophysical Journal</i> , 2020, 905, 147.	1.6	23
57	CO excitation in the Seyfert galaxy NGC 34: stars, shock or AGN driven?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3640-3648.	1.6	22
58	The ALPINE-ALMA [CII] survey: a triple merger at $z \approx 4.56$ . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 491, L18-L23.	1.2	21
59	CO excitation in the Seyfert galaxy NGC 7130. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 470, L64-L68.	1.2	20
60	The VIMOS Ultra Deep Survey: The reversal of the star-formation rate $\dot{\rho}$ density relation at $z \approx 5$ . <i>Astronomy and Astrophysics</i> , 2022, 662, A33.	2.1	20
61	A New Estimate of the Cosmic Star Formation Density from a Radio-selected Sample, and the Contribution of H-dark Galaxies at $z \approx 3$ . <i>Astrophysical Journal</i> , 2022, 927, 204.	1.6	20
62	The VIMOS Ultra Deep Survey. <i>Astronomy and Astrophysics</i> , 2017, 606, A19.	2.1	19
63	High-velocity outflows in massive post-starburst galaxies at $z \approx 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1139-1151.	1.6	19
64	X-ray properties of He II $\lambda 1640$ emitting galaxies in VANDELS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3796-3807.	1.6	19
65	A few StePS forward in unveiling the complexity of galaxy evolution: light-weighted stellar ages of intermediate-redshift galaxies with WEAVE. <i>Astronomy and Astrophysics</i> , 2019, 632, A9.	2.1	18
66	The star formation rate cookbook at $1 \lesssim z \lesssim 3$ : Extinction-corrected relations for UV and [OII] $\lambda 3727$ luminosities. <i>Astronomy and Astrophysics</i> , 2015, 582, A80.	2.1	17
67	The ALPINE-ALMA [CII] Survey: on the nature of an extremely obscured serendipitous galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 875-887.	1.6	17
68	The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2021, 653, A84.	2.1	17
69	The VANDELS survey: a measurement of the average Lyman-continuum escape fraction of star-forming galaxies at $z \approx 3.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3510-3525.	1.6	17
70	The VANDELS survey: Global properties of CIII] $\lambda 1908 \text{ \AA}$ ... emitting star-forming galaxies at $z \approx 3$ . <i>Astronomy and Astrophysics</i> , 2022, 659, A16.	2.1	16
71	The Stellar Metallicities of Massive Quiescent Galaxies at $1.0 \lesssim z \lesssim 1.3$ from KMOS + VANDELS. <i>Astrophysical Journal</i> , 2022, 929, 131.	1.6	16
72	ALMA Reveals the Molecular Gas Properties of Five Star-forming Galaxies across the Main Sequence at $z \approx 3$ . <i>Astrophysical Journal</i> , 2020, 891, 83.	1.6	15

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73	The VANDELS survey: Discovery of massive overdensities of galaxies at $z \sim 2$ . <i>Astronomy and Astrophysics</i> , 2020, 640, A107.	2.1	14
74	The role of galaxy mass on AGN emission: a view from the VANDELS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3838-3853.	1.6	14
75	The evolution of the mass-metallicity relations from the VANDELS survey and the $\alpha$ - $\gamma$ semi-analytic model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4481-4492.	1.6	14
76	An ALMA view of 11 dusty star-forming galaxies at the peak of cosmic star formation history. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3998-4015.	1.6	13
77	Unveiling the nature of 11 dusty star-forming galaxies at the peak of cosmic star formation history. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 928-950.	1.6	10
78	Listening to galaxies tuning at $z \sim 2.5-3.0$ : The first strikes of the Hubble fork. <i>Astronomy and Astrophysics</i> , 2014, 562, A113.	2.1	10
79	A multiwavelength study of a massive, active galaxy at $z \sim 2$ : coupling the kinematics of the ionized and molecular gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 681-698.	1.6	9
80	The intergalactic medium transmission towards $z \sim 3-4$ galaxies with VANDELS and the impact of dust attenuation. <i>Astronomy and Astrophysics</i> , 2020, 634, A110.	2.1	8
81	Differential attenuation in star-forming galaxies at $0.3 < z < 1.5$ in the SHARDS/CANDELS field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 2061-2083.	1.6	8
82	Unveiling the inner morphology and gas kinematics of NGC 5135 with ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 5417-5431.	1.6	7
83	The ALPINE-ALMA [CII] survey: Investigation of 10 galaxies at $z \sim 4.5$ with [OIII] and [CII] line emission and ISM properties and [OIII]-SFR relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1303-1316.		
84	The most massive, passive, and oldest galaxies at $0.5 < z < 2.1$ : Downsizing signature from galaxies selected from MgUV index. <i>Astronomy and Astrophysics</i> , 2019, 630, A145.	2.1	6
85	The ALPINE-ALMA [CII] survey: The population of [CII]-undetected galaxies and their role in the $z < 2$ [CII]-SFR relation. <i>Astronomy and Astrophysics</i> , 2022, 660, A14.	2.1	6
86	Less and more IGM-transmitted galaxies from $z \sim 2.7$ to $z \sim 6$ from VANDELS and VUIDS. <i>Astronomy and Astrophysics</i> , 2021, 650, A63.	2.1	4
87	Image restoration with spatially variable PSF. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2