

# Margherita Talia

## List of Publications by Year in descending order

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87  
papers

3,799  
citations

101384

36  
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143772

57  
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88  
all docs

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docs citations

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times ranked

2421  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The VANDELS survey: Global properties of CIII] $\lambda$ 1908 Å... emitting star-forming galaxies at $z \approx 3$ . Astronomy and Astrophysics, 2022, 659, A16.   | 2.1 | 16        |
| 2  | The ALPINE-ALMA [CII] survey: Investigation of 10 galaxies at $z \approx 4.5$ with [OIII] and [CII] line emission and ISM properties and [OIII]-SFR relation. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1303-1316. |     |           |
| 3  | Characterization of Two 2 mm detected Optically Obscured Dusty Star-forming Galaxies. Astrophysical Journal, 2022, 925, 23.  | 1.6 | 27        |
| 4  | The ALPINE-ALMA [CII] survey: The population of [CII]-undetected galaxies and their role in the $L$ -[CII]-SFR relation. Astronomy and Astrophysics, 2022, 660, A14.   | 2.1 | 6         |
| 5  | No strong dependence of Lyman continuum leakage on physical properties of star-forming galaxies at $z \approx 3.5$ . Monthly Notices of the Royal Astronomical Society, 2022, 511, 120-138.  | 1.6 | 27        |
| 6  | The VIMOS Ultra Deep Survey: The reversal of the star-formation rate $\dot{\rho}$ density relation at $z \approx 5$ . Astronomy and Astrophysics, 2022, 662, A33.  | 2.1 | 20        |
| 7  | A New Estimate of the Cosmic Star Formation Density from a Radio-selected Sample, and the Contribution of H-dark Galaxies at $z \approx 3$ . Astrophysical Journal, 2022, 927, 204.  | 1.6 | 20        |
| 8  | The Stellar Metallicities of Massive Quiescent Galaxies at $1.0 < z < 1.3$ from KMOS + VANDELS. Astrophysical Journal, 2022, 929, 131.   | 1.6 | 16        |
| 9  | The VANDELS survey: a measurement of the average Lyman-continuum escape fraction of star-forming galaxies at $z = 3.5$ . Monthly Notices of the Royal Astronomical Society, 2022, 513, 3510-3525.                                      | 1.6 | 17        |
| 10 | The ALPINE-ALMA [C II] survey. Astronomy and Astrophysics, 2021, 646, A76.   | 2.1 | 39        |
| 11 | The VANDELS survey: The relation between the UV continuum slope and stellar metallicity in star-forming galaxies at $z \approx 3$ . Astronomy and Astrophysics, 2021, 646, A39.  | 2.1 | 31        |
| 12 | Unveiling the nature of 11 dusty star-forming galaxies at the peak of cosmic star formation history. Monthly Notices of the Royal Astronomical Society, 2021, 504, 928-950.  | 1.6 | 10        |
| 13 | Illuminating the Dark Side of Cosmic Star Formation Two Billion Years after the Big Bang. Astrophysical Journal, 2021, 909, 23.  | 1.6 | 39        |
| 14 | The VANDELS ESO public spectroscopic survey. Astronomy and Astrophysics, 2021, 647, A150.  | 2.1 | 46        |
| 15 | The evolution of the mass-metallicity relations from the VANDELS survey and the $\gamma$ semi-analytic model. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4481-4492.   | 1.6 | 14        |
| 16 | The ALPINE-ALMA [CII] survey. Astronomy and Astrophysics, 2021, 649, A152.   | 2.1 | 56        |
| 17 | The NIRVANDELS Survey: a robust detection of $\lambda$ -enhancement in star-forming galaxies at $z \approx 3.4$ . Monthly Notices of the Royal Astronomical Society, 2021, 505, 903-920.   | 1.6 | 45        |
| 18 | Less and more IGM-transmitted galaxies from $z \approx 2.7$ to $z \approx 6$ from VANDELS and VUDS. Astronomy and Astrophysics, 2021, 650, A63.  | 2.1 | 4         |

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|----|---|-----|-----------|
| 19 | The ALPINE-ALMA [Câ€‰%<sc>ii</sc>] Survey: kinematic diversity and rotation in massive star-forming galaxies at $z \sim 4.4$ . Monthly Notices of the Royal Astronomical Society, 2021, 507, 3540-3563. | 1.6 | 29        |
| 20 | An ALMA view of 11 dusty star-forming galaxies at the peak of cosmic star formation history. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3998-4015.                                   | 1.6 | 13        |
| 21 | The ALPINE-ALMA [CII] survey. Astronomy and Astrophysics, 2021, 653, A84.   | 2.1 | 17        |
| 22 | Mapping Obscuration to Reionization with ALMA (MORA): 2 mm Efficiently Selects the Highest-redshift Obscured Galaxies. Astrophysical Journal, 2021, 923, 215.   | 1.6 | 33        |
| 23 | Differential attenuation in star-forming galaxies at $0.3 < z < 1.5$ in the SHARDS/CANDELS field. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2061-2083.                              | 1.6 | 8         |
| 24 | The ALPINE-ALMA [Câ€‰%<sc>ii</sc>] survey: a triple merger at $z \approx 4.56$ . Monthly Notices of the Royal Astronomical Society: Letters, 2020, 491, L18-L23.  | 1.2 | 21        |
| 25 | X-ray properties of Heâ€‰%ii&#x27E9; 1640 emitting galaxies in VANDELS. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3796-3807.  | 1.6 | 19        |
| 26 | The ALPINE-ALMA [CII] survey. Astronomy and Astrophysics, 2020, 643, A1.  | 2.1 | 125       |
| 27 | The ALPINEâ€™ALMA [Câ€‰%<sc>ii</sc>] Survey: on the nature of an extremely obscured serendipitous galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 496, 875-887.                        | 1.6 | 17        |
| 28 | The ALPINE-ALMA [CII] survey. Astronomy and Astrophysics, 2020, 643, A4.  | 2.1 | 69        |
| 29 | The VANDELS survey: Discovery of massive overdensities of galaxies at $z \gtrsim 2$ . Astronomy and Astrophysics, 2020, 640, A107.  | 2.1 | 14        |
| 30 | The VANDELS survey: a strong correlation between Lyâ€‰%i&#x27E9; equivalent width and stellar metallicity at $3 < z < 5$ . Monthly Notices of the Royal Astronomical Society, 2020, 495, 1501-1510.     | 1.6 | 23        |
| 31 | The role of galaxy mass on AGN emission: a view from the VANDELS survey. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3838-3853.   | 1.6 | 14        |
| 32 | The ALPINEâ€™ALMA [C ii] Survey: Multiwavelength Ancillary Data and Basic Physical Measurements. Astrophysical Journal, Supplement Series, 2020, 247, 61.   | 3.0 | 99        |
| 33 | ALMA Reveals the Molecular Gas Properties of Five Star-forming Galaxies across the Main Sequence at $z \approx 3$ . Astrophysical Journal, 2020, 891, 83.   | 1.6 | 15        |
| 34 | The ALPINE-ALMA [C II] survey: Star-formation-driven outflows and circumgalactic enrichment in the early Universe. Astronomy and Astrophysics, 2020, 633, A90.  | 2.1 | 90        |
| 35 | The intergalactic medium transmission towards $z \approx 3.4$ galaxies with VANDELS and the impact of dust attenuation. Astronomy and Astrophysics, 2020, 634, A110.                                    | 2.1 | 8         |
| 36 | The properties of Heâ€‰%ii&#x27E9; 1640 emitters at $z \approx 2.5$ from the VANDELS survey. Astronomy and Astrophysics, 2020, 636, A47.  | 2.1 | 44        |

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|----|---|-----|-----------|
| 37 | The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A6.  | 2.1 | 27        |
| 38 | The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A3.  | 2.1 | 86        |
| 39 | The ALPINE-ALMA [CII] survey: Data processing, catalogs, and statistical source properties. <i>Astronomy and Astrophysics</i> , 2020, 643, A2.  | 2.1 | 136       |
| 40 | The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A5.  | 2.1 | 55        |
| 41 | The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A7.  | 2.1 | 23        |
| 42 | The ALPINE-ALMA [CII] survey. <i>Astronomy and Astrophysics</i> , 2020, 643, A8.  | 2.1 | 113       |
| 43 | The ALPINE-ALMA [C II] Survey: Size of Individual Star-forming Galaxies at $z \sim 4$ and Their Extended Halo Structure. <i>Astrophysical Journal</i> , 2020, 900, 1.   | 1.6 | 86        |
| 44 | The ALPINE-ALMA [C II] Survey: [C II] 158 $\mu$ m Emission Line Luminosity Functions at $z \sim 4$ . <i>Astrophysical Journal</i> , 2020, 905, 147.   | 1.6 | 23        |
| 45 | High-velocity outflows in massive post-starburst galaxies at $z \gtrsim 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1139-1151.   | 1.6 | 19        |
| 46 | Constraining Lyman-alpha spatial offsets at $z \sim 5.5$ from VANDELS slit spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 706-719.   | 1.6 | 28        |
| 47 | 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         |
| 48 | The VANDELS survey: the star-formation histories of massive quiescent galaxies at $1.0 \lesssim z \lesssim 1.3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 417-439.                | 1.6 | 83        |
| 49 | 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        |
| 50 | The VANDELS survey: the stellar metallicities of star-forming galaxies at $\mathbf{z} \in [2.5, 5.0]$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2038-2060.                        | 1.6 | 70        |
| 51 | 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        |
| 52 | 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        |
| 53 | The most massive, passive, and oldest galaxies at $0.5 \lesssim z \lesssim 2.1$ : Downsizing signature from galaxies selected from Mg <sub>UV</sub> index. <i>Astronomy and Astrophysics</i> , 2019, 630, A145. | 2.1 | 6         |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | Physical Characterization of an Unlensed, Dusty Star-forming Galaxy at $z=5.85$ . <i>Astrophysical Journal</i> , 2019, 887, 55.   | 1.6 | 48        |
| 56 | 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        |
| 57 | 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         |
| 58 | 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        |
| 59 | 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        |
| 60 | 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       |
| 61 | The VANDELS ESO public spectroscopic survey: Observations and first data release. <i>Astronomy and Astrophysics</i> , 2018, 616, A174.  | 2.1 | 93        |
| 62 | 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        |
| 63 | Analogues of primeval galaxies two billion years after the Big Bang. <i>Nature Astronomy</i> , 2017, 1, .   | 4.2 | 80        |
| 64 | VIMOS Ultra-Deep Survey (VUDS): IGM transmission towards galaxies with $2.5 < z < 5.5$ and the colour selection of high-redshift galaxies. <i>Astronomy and Astrophysics</i> , 2017, 597, A88.      | 2.1 | 23        |
| 65 | 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        |
| 66 | AGN-enhanced outflows of low-ionization gas in star-forming galaxies at $1.7 < z < 4.6^*$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4527-4540.                        | 1.6 | 30        |
| 67 | The VIMOS Ultra Deep Survey first data release: Spectra and spectroscopic redshifts of 698 objects up to $z_{\text{spec}} \sim 6$ in CANDELS. <i>Astronomy and Astrophysics</i> , 2017, 600, A110.  | 2.1 | 75        |
| 68 | Characterization of star-forming dwarf galaxies at $0.1 < z < 0.9$ in VUDS: probing the low-mass end of the mass-metallicity relation. <i>Astronomy and Astrophysics</i> , 2017, 601, A95.          | 2.1 | 33        |
| 69 | The VIMOS Ultra Deep Survey. <i>Astronomy and Astrophysics</i> , 2017, 606, A19.  | 2.1 | 19        |
| 70 | 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        |
| 71 | Effect of the star formation histories on the $\text{SFR} - M^*$ relation at $z < 2$ . <i>Astronomy and Astrophysics</i> , 2016, 593, A9.   | 2.1 | 24        |
| 72 | Dust attenuation in $z \sim 1$ galaxies from <i>Herschel</i> and 3D-HST $H_{160}$ measurements. <i>Astronomy and Astrophysics</i> , 2016, 586, A83.   | 2.1 | 50        |

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|----|---|-----|-----------|
| 73 | The VIMOS Ultra Deep Survey: Ly $\alpha$ emission and stellar populations of star-forming galaxies at $2 < z < 2.5$ . <i>Astronomy and Astrophysics</i> , 2016, 588, A26.                 | 2.1 | 39        |
| 74 | Evolution of clustering length, large-scale bias, and host halo mass at $2 < z < 5$ in the VIMOS Ultra Deep Survey (VUDS). <i>Astronomy and Astrophysics</i> , 2015, 583, A128.           | 2.1 | 30        |
| 75 | 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       |
| 76 | Stellar mass to halo mass relation from galaxy clustering in VUDS: a high star formation efficiency at $z < 3$ . <i>Astronomy and Astrophysics</i> , 2015, 576, L7.                       | 2.1 | 26        |
| 77 | The star formation rate cookbook at $1 < z < 3$ : Extinction-corrected relations for UV and [OII] $\lambda 3727$ luminosities. <i>Astronomy and Astrophysics</i> , 2015, 582, A80.        | 2.1 | 17        |
| 78 | The evolving star formation rate: $M < \sigma >$ relation and sSFR since $z < 5$ from the VUDS spectroscopic survey. <i>Astronomy and Astrophysics</i> , 2015, 581, A54.                  | 2.1 | 142       |
| 79 | 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        |
| 80 | Image restoration with spatially variable PSF. <i>Proceedings of SPIE</i> , 2014, , .   | 0.8 | 2         |
| 81 | 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        |
| 82 | 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        |
| 83 | 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        |
| 84 | 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        |
| 85 | 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        |
| 86 | GMSS ultradeep spectroscopy of galaxies at $z < 2$ . <i>Astronomy and Astrophysics</i> , 2012, 539, A61.  | 2.1 | 34        |
| 87 | The VANDELS ESO public spectroscopic survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .  | 1.6 | 79        |