

LIST OF PUBLICATIONS

(as of 18th August 2023)

Refereed 8 first author – 46 co-author – 1380 citations – H-index: 22

First author:

8. **Gómez-Guijarro, C.**, Magnelli, B., Elbaz, D., et al.,

A&A in press (arXiv:2304.08517)

JWST CEERS probes the role of stellar mass and morphology in obscuring galaxies

7. **Gómez-Guijarro, C.**, Elbaz, D., Xiao, M., et al. 2022b, A&A, 659, A196

GOODS-ALMA 2.0: Starbursts in the main sequence reveal compact star formation regulating galaxy evolution prequenching

6. **Gómez-Guijarro, C.**, Elbaz, D., Xiao, M., et al. 2022a, A&A, 658, A43

GOODS-ALMA 2.0: Source catalog, number counts, and prevailing compact sizes in 1.1mm galaxies

5. **Gómez-Guijarro, C.**, Magdis, G. E., Valentino, F., et al. 2019, ApJ, 886, 88

Compact Star-Forming Galaxies as Old Starbursts Becoming Quiescent

4. **Gómez-Guijarro, C.**, Riechers, D. A., Pavesi, R., et al. 2019, ApJ, 872, 117Confirming *Herschel* Candidate Protoclusters from ALMA/VLA CO Observations3. **Gómez-Guijarro, C.**, Toft, S., Karim, A., et al. 2018, ApJ, 856, 121Starburst to Quiescent from *HST*/ALMA: Stars and Dust Unveil Minor Mergers in Submillimeter Galaxies at $z \sim 4.5$ 2. **Gómez-Guijarro, C.**, González-Martín, O., Ramos Almeida, C., et al. 2017, MNRAS, 469, 2720

A comparison between the soft X-ray and [OIII] morphologies of active galactic nuclei

1. **Gómez-Guijarro, C.**, Gallego, J., Villar, V., et al. 2016, A&A, 591, A151Properties of galaxies at the faint end of the $H\alpha$ luminosity function

Major contributor (project design, supervision, observations, data reduction, major analysis and/or manuscript writing):

46. Le Bail, A., Daddi, E., Elbaz, D., et al. (including **Gómez-Guijarro, C.**)

A&A submitted (arXiv:2307.07599)

JWST/CEERS Sheds Light on Dusty Star-Forming Galaxies: Forming Bulges, Lopsidedness and Outside-In Quenching at Cosmic Noon

45. McKinney, J., Pope, A., Kirkpatrick, A., et al. (including **Gómez-Guijarro, C.**), ApJ in press (arXiv:2306.16441)The IR Compactness of Dusty Galaxies Set Star-formation and Dust Properties at $z \sim 0-2$ 44. Magnelli, B., **Gómez-Guijarro, C.**, Elbaz, D., et al., A&A in press (arXiv:2305.19331)CEERS: MIRI deciphers the spatial distribution of dust-obscured star formation in galaxies at $0.1 < z < 2.5$ 43. Kokorev, V., Jin, S., **Gómez-Guijarro, C.**, et al., A&A in press (arXiv:2305.09709)"Dust Giant": Extended and Clumpy Star-Formation in a Massive Dusty Galaxy at $z = 1.38$ 42. Blázquez-Sesé, D., **Gómez-Guijarro, C.**, Magdis, G. E., et al., A&A in press (arXiv:2303.12110)

The Gas Mass Reservoir of Quiescent Galaxies at Cosmic Noon

41. Coogan, R., Daddi, E., Le Bail, A., et al. (including **Gómez-Guijarro, C.**), A&A in press (arXiv:2302.08960) $Az = 1.85$ galaxy group in CEERS: evolved, dustless, massive Intra-Halo Light and a Brightest Group Galaxy in the making40. Jiménez-Andrade, E. F., Cantalupo, S., Magnelli, B., et al. (including **Gómez-Guijarro, C.**) 2023, MNRAS, 521, 2326The Ly α , CIV, and H α nebulae around J1000+0234: a galaxy pair at the center of a galaxy overdensity at $z = 4.5$ 39. Ciesla, L., **Gómez-Guijarro, C.**, Buat, V., et al., 2023, A&A, 672, A191

GOODS-ALMA 2.0: Last gigayear star formation histories of the so-called starbursts within the main sequence

38. Xiao, M. -Y., Elbaz, D., **Gómez-Guijarro, C.**, et al., 2023, A&A, 672, A18The hidden side of cosmic star formation at $z > 3$. Bridging optically dark and Lyman-break galaxies with GOODS-ALMA37. Kalita, B. S., Daddi, E., Bournaud, F., et al. (including **Gómez-Guijarro, C.**) 2022, A&A, 666, A44Bulge formation inside quiescent lopsided stellar disks: Connecting accretion, star formation, and morphological transformation in a $z \sim 3$ galaxy group36. Fraternali, F., Karim, A., Magnelli, B., **Gómez-Guijarro, C.**, et al. 2021, A&A, 647, A194Fast rotating and low-turbulence discs at $z \sim 4.5$: Dynamical evidence of their evolution into local early-type galaxies35. Donevski, D., Lapi, A., Malek, K., et al. (including **Gómez-Guijarro, C.**) 2020, A&A, 644, A144

In pursuit of giants. I. The evolution of the dust-to-stellar mass ratio in distant dusty galaxies

34. Martin-Alvarez, S., Slyz, A., Devriendt, J., **Gómez-Guijarro, C.** 2020, MNRAS, 495, 4475
How primordial magnetic fields shrink galaxies
33. Valentino, F., Tanaka, M., Davidzon, I., et al. **(including Gómez-Guijarro, C.)** 2020, ApJ, 889, 93
Quiescent Galaxies 1.5 Billion Years after the Big Bang and Their Progenitors

Team contributor (Minor analysis and/or detailed comments):

32. Ito, K., Valentino, F., Brammer, G., et al. **(including Gómez-Guijarro, C.)**, ApJ in press (arXiv:2307.06994)
Size - Stellar Mass Relation and Morphology of Quiescent Galaxies at $z \geq 3$ in Public JWST Fields
31. Barro, G., Perez-Gonzalez, P. G., Kocevski, D., et al. **(including Gómez-Guijarro, C.)**, ApJ in press (arXiv:2305.14418)
Extremely red galaxies at $z=5-9$ with MIRI and NIRSpec: dusty galaxies or obscured AGNs?
30. Akins, H. B., Casey, C. M., Allen, N., et al. **(including Gómez-Guijarro, C.)**, ApJ in press (arXiv:2304.12347)
Two massive, compact, and dust-obscured candidate $z \sim 8$ galaxies discovered by JWST
29. Valentino, F., Brammer, G., Gould, K. M. L., et al. **(including Gómez-Guijarro, C.)** 2023, ApJ, 947, 20
An Atlas of Color-selected Quiescent Galaxies at $z > 3$ in Public JWST Fields
28. Pérez-González, P. G., Barro, G., Annuziatella, M., et al. **(including Gómez-Guijarro, C.)** 2023, ApJL, 946, L16
CEERS Key Paper. IV. A Triality in the Nature of HST-dark Galaxies
27. Kokorev, V., Jin, S., Magdis, G. E., et al. **(including Gómez-Guijarro, C.)** 2023, ApJL, 945, L25
JWST Insight into a Lensed HST-dark Galaxy and Its Quiescent Companion at $z = 2.58$
26. Zavala, J. A., Buat, V., Casey, C. M., et al. **(including Gómez-Guijarro, C.)**, 2023, ApJL, 943, L9
Dusty Starbursts Masquerading as Ultra-high Redshift Galaxies in JWST CEERS Observations
25. Jin, S., Sillassen, N. B., Magdis, G. E., et al. **(including Gómez-Guijarro, C.)** 2023, A&A, 665, L7
Massive galaxy formation caught in action at $z \sim 5$ with JWST
24. Finkelstein, S., Bagley, M., Arrabal Haro, P., et al. **(including Gómez-Guijarro, C.)** 2022, ApJL, 940, L55
A Long Time Ago in a Galaxy Far, Far Away: A Candidate $z = 12$ Galaxy in Early JWST CEERS Imaging
23. Sillassen, N. B., Jin, S., Magdis, G. E., et al. **(including Gómez-Guijarro, C.)** 2022, A&A, 670, L11
A galaxy group candidate at $z \approx 3.7$ in the COSMOS field
22. Xiao, M. -Y., Wang, T., Elbaz, D., et al. **(including Gómez-Guijarro, C.)** 2022, A&A, 664, A63
Starbursts with suppressed velocity dispersion revealed in a forming cluster at $z = 2.51$
21. Daddi, E., Delvecchio, I., Dimauro, P., et al. **(including Gómez-Guijarro, C.)** 2022, A&A, 661, L7
The bending of the star-forming main sequence traces the cold- to hot-accretion transition mass over $0 < z < 4$
20. Puglisi, A., Daddi, E., Valentino, F., et al. **(including Gómez-Guijarro, C.)** 2021, MNRAS, 508, 5217
Submillimetre compactness as a critical dimension to understand the main sequence of star-forming galaxies
19. Kokorev, V. I., Magdis, G. E., Davidzon, I., et al. **(including Gómez-Guijarro, C.)** 2021, ApJ, 921, 40
The Evolving Interstellar Medium of Star-forming Galaxies, as Traced by Stardust
18. Valentino, F., Daddi, E., Puglisi, A., et al. **(including Gómez-Guijarro, C.)** 2021, A&A, 654, A165
The effect of active galactic nuclei on the cold interstellar medium in distant star-forming galaxies
17. Kalita, B. S., Daddi, E., D'Eugenio, C., et al. **(including Gómez-Guijarro, C.)** 2021, ApJ, 917, L17
An Ancient Massive Quiescent Galaxy Found in a Gas-rich $z \sim 3$ Group
16. Kalita, B. S., Daddi, E., Coogan, R. T., et al. **(including Gómez-Guijarro, C.)** 2021, MNRAS, 503, 1174
Feedback factory: multiple faint radio jets detected in a cluster at $z = 2$
15. Stockmann, M., Jørgensen, I., Toft, S., et al. **(including Gómez-Guijarro, C.)** 2021, ApJ, 908, 135
The Fundamental Plane of Massive Quiescent Galaxies at $z \sim 2$
14. Franco, M., Elbaz, D., Zhou, L., et al. **(including Gómez-Guijarro, C.)** 2020, A&A, 643, A53
GOODS-ALMA: Using IRAC and VLA to probe fainter millimeter galaxies
13. Franco, M., Elbaz, D., Zhou, L., et al. **(including Gómez-Guijarro, C.)** 2020, A&A, 643, A30
GOODS-ALMA: The slow downfall of star formation in $z = 2-3$ massive galaxies
12. Valentino, F., Daddi, E., Puglisi, A., et al. **(including Gómez-Guijarro, C.)** 2020, A&A, 641, A155
CO emission in distant galaxies on and above the main sequence
11. Steinhardt, C. L., Jauzac, M., Acebron, A., et al. **(including Gómez-Guijarro, C.)**, ApJS, 247, 64
The BUFFALO HST Survey

10. Stockmann, M., Toft, S., Galazzi, A., et al. **(including Gómez-Guijarro, C.)** 2020, ApJ, 888, 4
X-Shooter spectroscopy and HST imaging of 15 ultra massive quiescent galaxies at $z > 2$
9. Tanaka, M., Valentino, F., Toft, S., et al. **(including Gómez-Guijarro, C.)** 2019, ApJ, 885, L34
Stellar Velocity Dispersion of a Massive Quenching Galaxy at $z = 4.01$
8. Cortzen, I., Garrett, J., Magdis, G., et al. **(including Gómez-Guijarro, C.)** 2019, MNRAS, 482, 1618
PAHs as tracers of the molecular gas in star-forming galaxies
7. Borlaff, A., Trujillo, I., Román, J., et al. **(including Gómez-Guijarro, C.)** 2019, A&A, 621, A133
The missing light of the Hubble Ultra Deep Field
6. Kubo, M., Tanaka, M., Yabe, K., et al. **(including Gómez-Guijarro, C.)** 2018, ApJ, 867, 1
The Rest-frame Optical Sizes of Massive Galaxies with Suppressed Star Formation at $z \sim 4$
5. Fujimoto, S., Ouchi, M., Kohno, K., et al. **(including Gómez-Guijarro, C.)** 2018, ApJ, 861, 7
ALMA 26 Arcmin² Survey of GOODS-S at One Millimeter (ASAGAO): Average Morphology of High- z Dusty Star-forming Galaxies is an Exponential Disk ($n \sim 1$)
4. Jiménez-Andrade, E. F., Magnelli, B., Karim, A., et al. **(including Gómez-Guijarro, C.)** 2018, A&A, 615, A25
Molecular gas in AzTEC/C159: a star-forming disk galaxy 1.3 Gyr after the Big Bang
3. Lee, N., Seth, K., Scott, K. S., et al. **(including Gómez-Guijarro, C.)** 2017, MNRAS, 471, 2124
The fine line between normal and starburst galaxies
2. Magdis, G. E., Rigopoulou, D., Daddi, E., et al. **(including Gómez-Guijarro, C.)** 2017, A&A, 603, A93
Gas and dust in star-forming galaxies at $z \sim 3$. Extending galaxy uniformity to 11.5 billion years
1. Toft, S., Zabl, J., Richard, J., et al. **(including Gómez-Guijarro, C.)** 2017, Nature, 546, 510
A massive, dead disk galaxy in the early Universe

- Proceedings** 2. **Gómez-Guijarro, C.**, et al. 2021, Galaxy Evolution and Feedback Across Different Environments, Proceedings of the International Astronomical Union - *High-redshift starbursts as progenitors of massive galaxies*
1. **Gómez-Guijarro, C.**, et al. 2015, Highlights of Spanish Astrophysics VII, Proceedings of the XI Scientific Meeting of the Spanish Astronomical Society - *Star-forming galaxies at $z \sim 0.61$*