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Publication list

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Total citation = 3355, H-index = 32 (as of Sep. 21 2022)

First author

Journal Article (8 published, 1 submitted, 394 citation)

- 9 **Fujimoto, S., Finkelstein, S., Burgarella, D., et al.**, *ALMA FIR View of Ultra High-redshift Galaxy Candidates at $z \sim 11-17$: Blue Monsters or Low- z Red Interlopers?*, [arXiv:2211.03896](https://arxiv.org/abs/2211.03896)
- 8 **Fujimoto, S., Brammer, G., Watson, D., et al.**, *A dusty, compact object bridging galaxies and quasars at cosmic dawn*, [Nature, 604, 261, 2022](https://doi.org/10.1038/s41586-022-0261-2)
- 7 **Fujimoto, S., Oguri, M., Brammer, G., et al.**, *ALMA Lensing Cluster Survey: Bright [C II] $158 \mu\text{m}$ Lines from a Multiply Imaged Sub- L^* Galaxy at $z = 6.0719$* , [ApJ, 911, 99, 20, 2021](https://doi.org/10.1086/91199)
- 6 **Fujimoto, S., Silverman, J. D., Bethermin, M., et al.**, *The ALPINE-ALMA [C II] Survey: Size of Individual Star-forming Galaxies at $z = 4-6$ and Their Extended Halo Structure*, [ApJ, 900, 1, 2020](https://doi.org/10.1086/90001)
- 5 **Fujimoto, S., Oguri, M., Nagao, T., et al.**, *Truth or Delusion? A Possible Gravitational Lensing Interpretation of the Ultraluminous Quasar SDSS J010013.02+280225.8 at $z = 6.30$* , [ApJ, 891, 64, 8, 2020](https://doi.org/10.1086/90164)
- 4 **Fujimoto, S., Ouchi, M., Ferrara, A., et al.**, *First Identification of 10 kpc [C II] $158 \mu\text{m}$ Halos around Star-forming Galaxies at $z = 5 - 7$* , [ApJ, 887, 107, 17, 2019](https://doi.org/10.1086/90164)
- 3 **Fujimoto, S., Ouchi, M., Kohno, K., et al.**, *ALMA 26 Arcmin² Survey of GOODS-S at One Millimeter (ASAGAO): Average Morphology of High- z Dusty Star-forming Galaxies in an Exponential Disk ($n \approx 1$)*, [ApJ, 861, 7, 12, 2018](https://doi.org/10.1086/90164)
- 2 **Fujimoto, S., Ouchi, M., Shibuya, T., et al.**, *Demonstrating a New Census of Infrared Galaxies with ALMA (DANCING-ALMA). I. FIR Size and Luminosity Relation at $z = 0 - 6$ Revealed with 1034 ALMA Sources*, [ApJ, 850, 83, 21, 2017](https://doi.org/10.1086/90164)
- 1 **Fujimoto, S., Ouchi, M., Ono, Y., et al.**, *ALMA Census of Faint 1.2 mm Sources Down to ~ 0.02 mJy: Extragalactic Background Light and Dust-poor, High- z Galaxies*, [ApJS, 222, 1, 28, 2016](https://doi.org/10.1086/90164)

Book (1 published)

- 1 **Fujimoto, S.**, *Demographics of the Cold Universe with ALMA: From Interstellar and Circumgalactic Media to Cosmic Structures*, [Springer thesis](https://doi.org/10.1007/978-1-4939-9888-1)

Proceedings (2 published)

- 2 **Fujimoto, S.**, *Cold Molecular Gas Halo at $z \sim 6$ with ngVLA*, [ngVLA Science Memo Series, G002](https://doi.org/10.1007/978-1-4939-9888-1)

- 1 **Fujimoto, S., Ouchi, M., Ono, Y., et al.**, *Resolving the Extragalactic Background Light with Multi-field Deep ALMA Data*, [ASPCS](#), 499, 21, 2015

Co-author

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- 63 **Bakx, T. J. L. C., Sommovigo, L., Carniani, S., et al.**, *Accurate dust temperature determination in a $z = 7.13$ galaxy*, [MNRAS](#), 508, L58-L63, 2021
- 62 **Jones, G. C., Vergani, D., Romano, M., et al.**, *The ALPINE-ALMA [C II] Survey: kinematic diversity and rotation in massive star-forming galaxies at $z = 4.4 - 5.9$* , [MNRAS](#), 507, 3540-3563, 24, 2021
- 61 **Casey, C. M., Zavala, J. A., Manning, S. M., et al.**, *Mapping Obscuration to Reionization with ALMA (MORA): 2mm Efficiently Selects the Highest-Redshift Obscured Galaxies*, [ApJ in press](#), [arXiv:2110.06930](#), 2021
- 60 **Sun, F., Egami, E., Pérez-González, P. G., et al.**, *Extensive Lensing Survey of Optical and Near-Infrared Dark Objects (El Sonido): HST H-Faint Galaxies behind 101 Lensing Clusters*, [ApJ in press](#), [arXiv:2109.01751](#), 2021
- 59 **Onoue, M., Matsuoka, Y., Kashikawa, N., et al.**, *Subaru High- z Exploration of Low-luminosity Quasars (SHELLQs). XIV. A Candidate Type II Quasar at $z = 6.1292$* , [ApJ](#), 919, 61, 11, 2021
- 58 **Romano, M., Cassata, P., Morselli, L., et al.**, *The ALPINE-ALMA [CII] survey. The contribution of major mergers to the galaxy mass assembly at $z \sim 5$* , [A&A](#), 653, A111, 31, 2021
- 57 **Isobe, Y., Ouchi, M., Kojima, T., et al.**, *EMPRESS. III. Morphology, Stellar Population, and Dynamics of Extremely Metal-poor Galaxies (EMPGs): Are EMPGs Local Analogs of High- z Young Galaxies?*, [ApJ](#), 918, 54, 14, 2021
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- 55 **Laporte, N., Zitrin, A., Ellis, R. S., et al.**, *ALMA Lensing Cluster Survey: a strongly lensed multiply imaged dusty system at $z \geq 6$* , [MNRAS](#), 505, 4838-4846, 9, 2021
- 54 **Jolly, J.-B., Knudsen, K., Laporte, N., et al.**, *ALMA Lensing Cluster Survey: A spectral stacking analysis of [C II] in lensed $z \sim 6$ galaxies*, [A&A](#), 652, A128, 16, 2021
- 53 **Isobe, Y., Ouchi, M., Suzuki, A., et al.**, *EMPRESS. IV. Extremely Metal-Poor Galaxies (EMPGs) Including Very Low-Mass Primordial Systems with $M_{\star} = 10^4 - 10^5 M_{\odot}$ and 2–3% $(O/H)_{\odot}$: High (Fe/O) Suggestive of Metal Enrichment by Hypernovae/Pair-Instability Supernovae*, [submitted to ApJ](#), [arXiv:2108.03850](#), 2021

- 52 **Harikane, Y., Ono, Y., Ouchi, M., et al.**, *GOLDRUSH. IV. Luminosity Functions and Clustering Revealed with $\sim 4,000,000$ Galaxies at $z \sim 2-7$: Galaxy-AGN Transition, Star Formation Efficiency, and Implication for Evolution at $z > 10$* , [submitted to ApJ](#), [arXiv:2108.01090](#), 2021
- 51 **Shibuya, T., Miura, N., Iwadate, K., et al.**, *Galaxy Morphologies Revealed with Subaru HSC and Super-Resolution Techniques I: Major Merger Fractions of $L_{UV} \sim 3 - 15 L_{UV}^*$ Dropout Galaxies at $z \sim 4-7$* , [submitted to PASJ](#), [arXiv:2106.03728](#), 2021
- 50 **Izumi, T., Matsuoka, Y., Fujimoto, S., et al.**, *Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XIII. Large-scale Feedback and Star Formation in a Low-luminosity Quasar at $z = 7.07$ on the Local Black Hole to Host Mass Relation*, [ApJ](#), **914**, 36, 17, 2021
- 49 **Kojima, T., Ouchi, M., Rauch, M., et al.**, *EMPRESS. II. Highly Fe-enriched Metal-poor Galaxies with $\sim 1.0 (Fe/O)Z_{\odot}$ and $0.02 (O/H)Z_{\odot}$: Possible Traces of Supermassive ($> 300M_{\odot}$) Stars in Early Galaxies*, [ApJ](#), **913**, 22, 20, 2021
- 48 **Ono, Y., Itoh, R., Shibuya, T., et al.**, *SILVERRUSH X: Machine Learning-aided Selection of 9318 LAEs at $z = 2.2, 3.3, 4.9, 5.7, 6.6,$ and 7.0 from the HSC SSP and CHORUS Survey Data*, [ApJ](#), **911**, 78, 20, 2021
- 47 **Sugahara, Y., Inoue, A. K., Hashimoto, T., et al.**, *Big Three Dragons: A [N II] $122 \mu\text{m}$ Constraint and New Dust-continuum Detection of A $z = 7.15$ Bright Lyman Break Galaxy with ALMA*, [ApJ in press](#), [arXiv:2104.02201](#), 2021
- 46 **Zavala, J. A., Casey, C. M., Manning, S. M., et al.**, *The Evolution of the IR Luminosity Function and Dust-obscured Star Formation over the Past 13 Billion Years*, [ApJ](#), **909**, 165, 15, 2021
- 45 **Caputi, K. I., Caminha, G. B., Fujimoto, S., et al.**, *ALMA Lensing Cluster Survey: An ALMA Galaxy Signposting a MUSE Galaxy Group at $z = 4.3$ Behind "El Gordo"*, [ApJ](#), **908**, 146, 9, 2021
- 44 **Loiacono, F., Decarli, R., Gruppioni, C., et al.**, *The ALPINE-ALMA [C II] survey. Luminosity function of serendipitous [C II] line emitters at $z = 5$* , [A&A](#), **646**, A76, 18, 2021
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- 42 **Lagos, C. del P., da Cunha, E., Robotham, A. S. G., et al.**, *Physical properties and evolution of (sub-)millimetre-selected galaxies in the galaxy formation simulation SHARK*, [MNRAS](#), **499**, 1948-1971, 24, 2020
- 41 **Donevski, D., Lapi, A., Malek, K., et al.**, *In pursuit of giants. I. The evolution of the dust-to-stellar mass ratio in distant dusty galaxies*, [A&A](#), **644**, A144, 25, 2020
- 40 **Ishimoto, R., Kashikawa, N., Onoue, M., et al.**, *Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XI. Proximity Zone Analysis for Faint Quasar Spectra at $z \sim 6$* , [ApJ](#), **903**, 60, 11, 2020

- 39 **Gruppioni, C., Béthermin, M., Loiacono, F., et al.**, *The ALPINE-ALMA [CII] survey. The nature, luminosity function, and star formation history of dusty galaxies up to $z \sim 6$* , [A&A, 643, A8, 25, 2020](#)
- 38 **Le Fèvre, O., Béthermin, M., Faisst, A., et al.**, *The ALPINE-ALMA [CII] survey. Survey strategy, observations, and sample properties of 118 star-forming galaxies at $4 < z < 6$* , [A&A, 643, A1, 19, 2020](#)
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- 36 **Cassata, P., Morselli, L., Faisst, A., et al.**, *The ALPINE-ALMA [CII] survey. Small Ly α -[CII] velocity offsets in main-sequence galaxies at $4.4 < z < 6$* , [A&A, 643, A6, 21, 2020](#)
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- 33 **Schaerer, D., Ginolfi, M., Béthermin, M., et al.**, *The ALPINE-ALMA [C II] survey. Little to no evolution in the [C II]-SFR relation over the last 13 Gyr*, [A&A, 643, A3, 10, 2020](#)
- 32 **Fudamoto, Y., Oesch, P. A., Faisst, A., et al.**, *The ALPINE-ALMA [CII] survey. Dust attenuation properties and obscured star formation at $z \sim 4.4 - 5.8$* , [A&A, 643, A4, 13, 2020](#)
- 31 **Kato, N., Matsuoka, Y., Onoue, M., et al.**, *Subaru High-z Exploration of Low-Luminosity Quasars (SHELLQs). IX. Identification of two red quasars at $z > 5.6$* , [PASJ, 72, 84, 14, 2020](#)
- 30 **Yamaguchi, Y., Kohno, K., Hatsukade, B., et al.**, *ALMA twenty-six arcmin² survey of GOODS-S at one millimeter (ASAGAO): Millimeter properties of stellar mass selected galaxies*, [PASJ, 72, 69, 2020](#)
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- 28 **Silverman, J. D., Tang, S., Lee, K.-G., et al.**, *Dual Supermassive Black Holes at Close Separation Revealed by the Hyper Suprime-Cam Subaru Strategic Program*, [ApJ, 899, 154, 2020](#)
- 27 **Romano, M., Cassata, P., Morselli, L., et al.**, *The ALPINE-ALMA [C II] Survey: on the nature of an extremely obscured serendipitous galaxy*, [MNRAS, 496, 875-887, 13, 2020](#)
- 26 **Pizzati, E., Ferrara, A., Pallottini, A., et al.**, *Outflows and extended [C II] haloes in high-redshift galaxies*, [MNRAS, 495, 160-172, 13, 2020](#)

- 25 **Harikane, Y., Ouchi, M., Inoue, A. K., et al.**, *Large Population of ALMA Galaxies at $z > 6$ with Very High [O III] 88 μm to [C II] 158 μm Flux Ratios: Evidence of Extremely High Ionization Parameter or PDR Deficit?*, [ApJ, 896, 93, 19, 2020](#)
- 24 **Mukae, S., Ouchi, M., Cai, Z., et al.**, *Three-dimensional Distribution Map of H I Gas and Galaxies around an Enormous Ly α Nebula and Three QSOs at $z = 2.3$ Revealed by the H I Tomographic Mapping Technique*, [ApJ, 896, 45, 11, 2020](#)
- 23 **Faisst, A. L., Schaerer, D., Lemaux, B. C., et al.**, *The ALPINE-ALMA [C II] Survey: Multiwavelength Ancillary Data and Basic Physical Measurements*, [ApJS, 247, 61, 37, 2020](#)
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- 4 **Roberts-Borsani, G. W., Jiménez-Donaire, M. J., Daprà, M., et al.**, *Multiwavelength Characterization of an ACT-selected, Lensed Dusty Star-forming Galaxy at $z = 2.64$* , [ApJ, 844, 110, 9, 2017](#)
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- 2 **Hayatsu, N. H., Matsuda, Y., Umehata, H., et al.**, *ALMA deep field in SSA22: Blindly detected CO emitters and [C II] emitter candidates*, [PASJ, 69, 45, 2017](#)
- 1 **Umehata, H., Tamura, Y., Kohno, K., et al.**, *ALMA Deep Field in SSA22: Source Catalog and Number Counts*, [ApJ, 835, 98, 15, 2017](#)