

Seiji Fujimoto

Publication list

Department of Astronomy
The University of Texas at Austin
☎ (+1) 737 802 2551
✉ fujimoto@utexas.edu

Total citation = 7599, H-index = 47 (as of Mar. 04, 2024 from ADS)

First author

Journal Article (11 published, 4 submitted, 776 citation)

- 15 **Fujimoto, S., Ouchi, M., Kohno, K., et al.**, *Primordial Rotating Disk Composed of ≥ 15 Star Forming Clumps at Cosmic Dawn*, [arXiv:2402.18543](https://arxiv.org/abs/2402.18543), submitted to Nature, under review, 2024
- 14 **Fujimoto, S., Bezanson, R., Labbé, I., et al.**, *DUALZ – Deep UNCOVER-ALMA Legacy High-Z Survey*, [arXiv:2309.07834](https://arxiv.org/abs/2309.07834), submitted to ApJS, 2023
- 13 **Fujimoto, S., Wang, B., Weaver, J., et al.**, *UNCOVER: A NIRSpec Census of Lensed Galaxies at $z = 8.50\text{--}13.08$ Probing a High AGN Fraction and Ionized Bubbles in the Shadow*, [arXiv:2308.11609](https://arxiv.org/abs/2308.11609), submitted to ApJ, 2023
- 12 **Fujimoto, S., Kohno, K., Ouchi, M., et al.**, *ALMA Lensing Cluster Survey: Deep 1.2 mm Number Counts and Infrared Luminosity Functions at $z \approx 1 - 8$* , [arXiv:2303.01658](https://arxiv.org/abs/2303.01658), submitted to ApJS, 2023
- 11 **Fujimoto, S., Arrabal-Haro, P., Dickinson, M., et al.**, *CEERS Spectroscopic Confirmation of NIRCам-Selected $z \gtrsim 8$ Galaxy Candidates with JWST/NIRSpec: Initial Characterization of their Properties*, *ApJL*, **949**, 25, 2023
- 10 **Fujimoto, S., Ouchi, M., Nakajima, K., et al.**, *JWST and ALMA Multiple-Line Study in and around a Galaxy at $z = 8.496$: Optical to FIR Line Ratios and the Onset of an Outflow Promoting Ionizing Photon Escape*, *ApJ* in press, 2024
- 9 **Fujimoto, S., Finkelstein, S., Burgarella, D., et al.**, *ALMA FIR View of Ultra High-redshift Galaxy Candidates at $z \sim 11\text{--}17$: Blue Monsters or Low- z Red Interlopers?*, *ApJ*, **955**, 130, 2023
- 8 **Fujimoto, S., Brammer, G., Watson, D., et al.**, *A dusty, compact object bridging galaxies and quasars at cosmic dawn*, *Nature*, **604**, 261, 2022
- 7 **Fujimoto, S., Oguri, M., Brammer, G., et al.**, *ALMA Lensing Cluster Survey: Bright [C II] 158 μm Lines from a Multiply Imaged Sub- L^* Galaxy at $z = 6.0719$* , *ApJ*, **911**, 99, 20, 2021
- 6 **Fujimoto, S., Silverman, J. D., Bethermin, M., et al.**, *The ALPINE-ALMA [C II] Survey: Size of Individual Star-forming Galaxies at $z = 4\text{--}6$ and Their Extended Halo Structure*, *ApJ*, **900**, 1, 2020
- 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

- 4 **Fujimoto, S., Ouchi, M., Ferrara, A., et al.**, *First Identification of 10 kpc [C II] 158 μ m Halos around Star-forming Galaxies at $z = 5 - 7$* , [ApJ](#), **887**, 107, 17, 2019
- 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
- 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
- 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

Book **(1 published)**

- 1 **Fujimoto, S.**, *Demographics of the Cold Universe with ALMA: From Interstellar and Circumgalactic Media to Cosmic Structures*, [Springer Thesis](#)

White paper **(1 published)**

- 1 **Fujimoto, S.**, *Cold Molecular Gas Halo at $z \sim 6$ with ngVLA*, [ngVLA Science Memo Series](#)

Proceedings **(2 published)**

- 2 **Fujimoto, S.**, *Cold Molecular Gas Halo at $z \sim 6$ with ngVLA*, [ngVLA Science Memo Series](#), G002
- 1 **Fujimoto, S., Ouchi, M., Ono, Y., et al.**, *Resolving the Extragalactic Background Light with Multi-field Deep ALMA Data*, [ASPCS](#), **499**, 21, 2015

Second or Third author

Journal Article **(15 published, 1 submitted, *5 papers first authored by students)**

- 16* **Giménez-Arteaga, C., Fujimoto, S., Valentino, F., et al.**, *Outshining in the Spatially Resolved Analysis of a Strongly-Lensed Galaxy at $z = 6.072$ with JWST NIRCam*, submitted to A&A, 2023
- 15 **Valentino, F., Fujimoto, S., Giménez-Arteaga, C., et al.**, *The cold interstellar medium of a normal sub- L^* galaxy at the end of Reionization*, A&A in press, 2023
- 14 **Kokorev, V., Fujimoto, S., Labbe, I., et al.**, *UNCOVER: A NIRSpect Identification of a Broad Line AGN at $z = 8.50$* , [ApJL in press](#), 2023 ([arXiv:2308.11610](#))
- 13 **Wang, B., Fujimoto, S., Labbe, I., et al.**, *UNCOVER: Illuminating the Early Universe – JWST/NIRSpect Confirmation of $z > 12$ Galaxies*, [ApJL in press](#), 2023 ([arXiv:2308.03745](#))

- 12 **Kohno, K., Fujimoto, S., Tsujita, A., et al.**, *Unbiased surveys of dust-enshrouded galaxies using ALMA*, [Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales](#), 16, 2023
- 11 **Ono, Y., Fujimoto, S., Harikane, Y., et al.**, *ALMA Observations of CO Emission from Luminous Lyman-break Galaxies at $z = 6.0293$ - 6.2037* , [ApJ](#), 941, 74, 2022
- 10* **Akins, H. B., Fujimoto, S., Finlator, K., et al.**, *ALMA Reveals Extended Cool Gas and Hot Ionized Outflows in a Typical Star-forming Galaxy at $z = 7.13$* , [ApJ](#), 934, 64, 2022
- 9 **Yoon, I., Carilli, C. L., Fujimoto, S., et al.**, *ALMA Observation of a $z \gtrsim 10$ Galaxy Candidate Discovered with JWST*, [ApJ](#), 950, 61, 2023
- 8* **Killi, M., Watson, D., Fujimoto, S., et al.**, *A solar metallicity galaxy at $z > 7$? Possible detection of the [N II] 122 μm and [O III] 52 μm lines*, [MNRAS](#), 521, 2526, 2023
- 7 **Heintz, K. E., Giménez-Arteaga, C., Fujimoto, S., et al.**, *The Gas and Stellar Content of a Metal-poor Galaxy at $z = 8.496$ as Revealed by JWST and ALMA*, [ApJL](#), 944, L30, 2023
- 6* **Sun, F., Egami, E., Fujimoto, S., et al.**, *ALMA Lensing Cluster Survey: ALMA-Herschel Joint Study of Lensed Dusty Star-forming Galaxies across $z \simeq 0.5 - 6$* , [ApJ](#), 932, 77, 2022
- 5 **Valentino, F., Brammer, G., Fujimoto, S., et al.**, *The Archival Discovery of a Strong Ly α and [C II] Emitter at $z = 7.677$* , [ApJL](#), 929, L9, 2022
- 4* **Kokorev, V., Brammer, G., Fujimoto, S., et al.**, *ALMA Lensing Cluster Survey: Hubble Space Telescope and Spitzer Photometry of 33 Lensed Fields Built with CHArGE*, [ApJS](#), 263, 38, 2022
- 3 **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, 2021
- 2 **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, 2021
- 1 **Yuma, S., Ouchi, M., Fujimoto, S., Kojima, T., Sugahara, Y.**, *A Giant Green Pea Identified in the Spectroscopy of Spatially Extended [O III] Sources*, [ApJ](#), 882, 17, 2019

Co-author

Journal Article (114 published/in press, 22 submitted)

- 135 **Furtak, L. J., Meena, A. K., Zackrisson, E., et al.**, *Reaching for the stars - JWST/NIRSpec spectroscopy of a lensed star candidate at $z = 4.76$* , [MNRAS](#), 527, L7, 2024
- 134 **Wang, B., Leja, J., Labbé, I., et al.**, *The UNCOVER Survey: A First-Look HST+JWST Catalog of Galaxy Redshifts and Stellar Populations Properties Spanning $0.2 \lesssim z \lesssim 15$* , [arXiv e-prints](#), [arXiv:2310.01276](#), 2023

- 133 **Price, S. H., Suess, K. A., Williams, C. C., et al.**, *UNCOVER: The rest ultraviolet to near-infrared multiwavelength structures and dust distributions of sub-millimeter-detected galaxies in Abell 2744*, [arXiv e-prints, arXiv:2310.02500](#), 2023
- 132 **Glazer, K., Bradac, M., Sanders, R. L., et al.**, *Studying [CII] Emission in Low-mass Galaxies at $z \sim 7$* , [arXiv e-prints, arXiv:2309.11548](#), 2023
- 131 **Cooper, O. R., Casey, C. M., Akins, H. B., et al.**, *The Web Epoch of Reionization Lyman- α Survey (WERLS) I. MOSFIRE Spectroscopy of $z \sim 7 - 8$ Lyman- α Emitters*, [arXiv e-prints, arXiv:2309.06656](#), 2023
- 130 **Furtak, L. J., Labbé, I., Zitrin, A., et al.**, *A supermassive black hole in the early universe growing in the shadows*, [arXiv e-prints, arXiv:2308.05735](#), 2023
- 129 **Franco, M., Akins, H. B., Casey, C. M., et al.**, *Unveiling the distant Universe: Characterizing $z \geq 9$ Galaxies in the first epoch of COSMOS-Web*, [arXiv e-prints, arXiv:2308.00751](#), 2023
- 128 **Casey, C. M., Akins, H. B., Shuntov, M., et al.**, *COSMOS-Web: Intrinsically Luminous $z_{\text{sim}} \sim 10$ Galaxy Candidates Test Early Stellar Mass Assembly*, [arXiv e-prints, arXiv:2308.10932](#), 2023
- 127 **Kokorev, V., Fujimoto, S., Labbe, I., et al.**, *UNCOVER: A NIR-Spec Identification of a Broad Line AGN at $z = 8.50$* , [arXiv e-prints, arXiv:2308.11610](#), 2023
- 126 **Wang, B., Fujimoto, S., Labbe, I., et al.**, *UNCOVER: Illuminating the Early Universe – JWST/NIRSpec Confirmation of $z > 12$ Galaxies*, [arXiv e-prints, arXiv:2308.03745](#), 2023
- 125 **Atek, H., Labbé, I., Furtak, L. J., et al.**, *First spectroscopic observations of the galaxies that reionized the Universe*, [arXiv e-prints, arXiv:2308.08540](#), 2023
- 124 **Burgasser, A. J., Gerasimov, R., Bezanson, R., et al.**, *UNCOVER: JWST Spectroscopy of Three Cold Brown Dwarfs at Kiloparsec-scale Distances*, [arXiv e-prints, arXiv:2308.12107](#), 2023
- 123 **Goulding, A. D., Greene, J. E., Setton, D. J., et al.**, *UNCOVER: The growth of the first massive black holes from JWST/NIRSpec – spectroscopic confirmation of an X-ray luminous AGN at $z=10.1$* , [arXiv e-prints, arXiv:2308.02750](#), 2023
- 122 **Furtak, L. J., Meena, A. K., Zackrisson, E., et al.**, *Reaching for the stars – JWST/NIRSpec spectroscopy of a lensed star candidate at $z = 4.76$* , [arXiv e-prints, arXiv:2308.00042](#), 2023
- 121 **Furtak, L. J., Mainali, R., Zitrin, A., et al.**, *A variable active galactic nucleus at $z = 2.06$ triply-imaged by the galaxy cluster MACS J0035.4-2015*, *MNRAS*, **522**, 5142, 2023
- 120 **Shen, L., Papovich, C., Yang, G., et al.**, *CEERS: Spatially Resolved UV and Mid-infrared Star Formation in Galaxies at $0.2 < z < 2.5$: The Picture from the Hubble and James Webb Space Telescopes*, *ApJ*, **950**, 7, 2023
- 119 **Hsiao, T. Y.-Y., Coe, D., Abdurro'uf, et al.**, *JWST Reveals a Possible $z = 11$ Galaxy Merger in Triply Lensed MACS0647-JD*, *ApJL*, **949**, L34, 2023

- 118 **Leung, G. C. K., Bagley, M. B., Finkelstein, S. L., et al.**, *NGDEEP Epoch 1: The Faint-End of the Luminosity Function at $z \sim 9-12$ from Ultra-Deep JWST Imaging*, [arXiv:2306.06244](#), 2023
- 117 **Labbe, I., Greene, J. E., Bezanson, R., et al.**, *UNCOVER: Candidate Red Active Galactic Nuclei at $3 < z < 7$ with JWST and ALMA*, [arXiv:2306.07320](#), 2023
- 116 **Tripodi, R., Scholtz, J., Maiolino, R., et al.**, *HYPERION. Merger and outflow in the most luminous $z > 6$ quasar*, [arXiv:2306.01644](#), 2023
- 115 **Yoon, I., Carilli, C. L., Fujimoto, S., et al.**, *ALMA Observation of a $z \gtrsim 10$ Galaxy Candidate Discovered with JWST*, *ApJ*, **950**, 61, 2023
- 114 **Giménez-Arteaga, C., Oesch, P. A., Brammer, G. B., et al.**, *Spatially Resolved Properties of Galaxies at $5 < z < 9$ in the SMACS 0723 JWST ERO Field*, *ApJ*, **948**, 126, 2023
- 113 **Killi, M., Watson, D., Fujimoto, S., et al.**, *A solar metallicity galaxy at $z > 7$? Possible detection of the $[N II] 122 \mu m$ and $[O III] 52 \mu m$ lines*, *MNRAS*, **521**, 2526, 2023
- 112 **Furtak, L. J., Zitrin, A., Weaver, J. R., et al.**, *UNCOVERing the extended strong lensing structures of Abell 2744 with the deepest JWST imaging*, *MNRAS*, **523**, 4568, 2023
- 111 **Kohno, K., Fujimoto, S., Tsujita, A., et al.**, *Unbiased surveys of dust-enshrouded galaxies using ALMA*, [arXiv:2305.15126](#), 2023
- 110 **Hsiao, T. Y.-Y., Abdurro'uf, Coe, D., et al.**, *JWST NIRSpec spectroscopy of the triply-lensed $z = 10.17$ galaxy MACS0647-JD*, [arXiv:2305.03042](#), 2023
- 109 **Arrabal Haro, P., Dickinson, M., Finkelstein, S. L., et al.**, *Spectroscopic Confirmation of CEERS NIRC*am*-selected Galaxies at $z \approx 8 - 10$* , *ApJL*, **951**, L22, 2023
- 108 **Valentino, F., Brammer, G., Gould, K. M. L., et al.**, *An Atlas of Color-selected Quiescent Galaxies at $z > 3$ in Public JWST Fields*, *ApJ*, **947**, 20, 2023
- 107 **Akins, H. B., Casey, C. M., Allen, N., et al.**, *Two massive, compact, and dust-obscured candidate $z \sim 8$ galaxies discovered by JWST*, [arXiv:2304.12347](#), 2023
- 106 **McKinney, J., Finnerty, L., Casey, C. M., et al.**, *Broad Emission Lines in Optical Spectra of Hot, Dust-obscured Galaxies Can Contribute Significantly to JWST/NIRC*am* Photometry*, *ApJL*, **946**, L39, 2023
- 105 **Uematsu, R., Ueda, Y., Kohno, K., et al.**, *ALMA Lensing Cluster Survey: Properties of Millimeter Galaxies Hosting X-Ray-detected Active Galactic Nuclei*, *ApJ*, **945**, 121, 2023
- 104 **Xu, Y., Ouchi, M., Isobe, Y., et al.**, *EMPRESS. XII. Statistics on the Dynamics and Gas Mass Fraction of Extremely-Metal Poor Galaxies*, [arXiv:2303.12467](#), 2023

- 103 **Kokorev, V., Jin, S., Magdis, G. E., et al.**, *JWST Insight into a Lensed HST-dark Galaxy and Its Quiescent Companion at $z = 2.58$* , [ApJL, 945, L25, 2023](#)
- 102 **Vanzella, E., Claeysens, A., Welch, B., et al.**, *JWST/NIRCam Probes Young Star Clusters in the Reionization Era Sunrise Arc*, [ApJ, 945, 53, 2023](#)
- 101 **Larson, R. L., Finkelstein, S. L., Kocevski, D. D., et al.**, *A CEERS Discovery of an Accreting Supermassive Black Hole 570 Myr after the Big Bang: Identifying a Progenitor of Massive $z > 6$ Quasars*, [ApJL, 953, L29, 2023](#)
- 100 **Fudamoto, Y., Inoue, A. K., Coe, D., et al.**, *The Extended [CII] under Construction? Observation of the brightest high- z lensed star-forming galaxy at $z = 6.2$* , [arXiv:2303.07513, 2023](#)
- 99 **Trump, J. R., Arrabal Haro, P., Simons, R. C., et al.**, *The Physical Conditions of Emission-line Galaxies at Cosmic Dawn from JWST/NIRSpec Spectroscopy in the SMACS 0723 Early Release Observations*, [ApJ, 945, 35, 2023](#)
- 98 **Finkelstein, S. L., Bagley, M. B., Ferguson, H. C., et al.**, *CEERS Key Paper. I. An Early Look into the First 500 Myr of Galaxy Formation with JWST*, [ApJL, 946, L13, 2023](#)
- 97 **Kocevski, D. D., Barro, G., McGrath, E. J., et al.**, *CEERS Key Paper. II. A First Look at the Resolved Host Properties of AGN at $3 < z < 5$ with JWST*, [ApJL, 946, L14, 2023](#)
- 96 **Arrabal Haro, P., Dickinson, M., Finkelstein, S. L., et al.**, *Spectroscopic verification of very luminous galaxy candidates in the early universe*, [Nature in press, 2023](#)
- 95 **Heintz, K. E., Giménez-Arteaga, C., Fujimoto, S., et al.**, *The Gas and Stellar Content of a Metal-poor Galaxy at $z = 8.496$ as Revealed by JWST and ALMA*, [ApJL, 944, L30, 2023](#)
- 94 **Meena, A. K., Zitrin, A., Jiménez-Teja, Y., et al.**, *Two Lensed Star Candidates at $z \simeq 4.8$ behind the Galaxy Cluster MACS J0647.7+7015*, [ApJL, 944, L6, 2023](#)
- 93 **Zavala, J. A., Buat, V., Casey, C. M., et al.**, *Dusty Starbursts Masquerading as Ultra-high Redshift Galaxies in JWST CEERS Observations*, [ApJL, 943, L9, 2023](#)
- 92 **Kohno, K., Fujimoto, S., Tsujita, A., et al.**, *Unbiased surveys of dust-enshrouded galaxies using ALMA*, [Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales, 16, 2023](#)
- 91 **Brinch, M., Greve, T. R., Weaver, J. R., et al.**, *COSMOS2020: Identification of High- z Protocluster Candidates in COSMOS*, [ApJ, 943, 153, 2023](#)
- 90 **Bagley, M. B., Pirzkal, N., Finkelstein, S. L., et al.**, *The Next Generation Deep Extragalactic Exploratory Public (NGDEEP) Survey*, [arXiv:2302.05466, 2023](#)

- 89 **Welch, B., Coe, D., Zitrin, A., et al.**, *RELICS: Small-scale Star Formation in Lensed Galaxies at $z = 6-10$* , [ApJ, 943, 2, 2023](#)
- 88 **Kocevski, D. D., Onoue, M., Inayoshi, K., et al.**, *Hidden Little Monsters: Spectroscopic Identification of Low-Mass, Broad-Line AGN at $z > 5$ with CEERS*, [arXiv:2302.00012, 2023](#)
- 87 **Weaver, J. R., Cutler, S. E., Pan, R., et al.**, *The UNCOVER Survey: A first-look HST+JWST catalog of 50,000 galaxies near Abell 2744 and beyond*, [arXiv:2301.02671, 2023](#)
- 86 **Cleri, N. J., Olivier, G. M., Hutchison, T. A., et al.**, *Using [Ne V]/[Ne III] to Understand the Nature of Extreme-ionization Galaxies*, [ApJ, 953, 10, 2023](#)
- 85 **Finkelstein, S. L., Bagley, M. B., Haro, P. A., et al.**, *A Long Time Ago in a Galaxy Far, Far Away: A Candidate $z \sim 12$ Galaxy in Early JWST CEERS Imaging*, [ApJL, 940, L55, 2022](#)
- 84 **Bezanson, R., Labbe, I., Whitaker, K. E., et al.**, *The JWST UNCOVER Treasury survey: Ultradeep NIRSpect and NIRCcam Observations before the Epoch of Reionization*, [arXiv:2212.04026, 2022](#)
- 83 **Kokorev, V., Brammer, G., Fujimoto, S., et al.**, *ALMA Lensing Cluster Survey: Hubble Space Telescope and Spitzer Photometry of 33 Lensed Fields Built with CHARGE*, [ApJS, 263, 38, 2022](#)
- 82 **Matsumoto, A., Ouchi, M., Nakajima, K., et al.**, *EMPRESS. VIII. A New Determination of Primordial He Abundance with Extremely Metal-poor Galaxies: A Suggestion of the Lepton Asymmetry and Implications for the Hubble Tension*, [ApJ, 941, 167, 2022](#)
- 81 **Ono, Y., Fujimoto, S., Harikane, Y., et al.**, *ALMA Observations of CO Emission from Luminous Lyman-break Galaxies at $z = 6.0293-6.2037$* , [ApJ, 941, 74, 2022](#)
- 80 **Furtak, L. J., Zitrin, A., Plat, A., et al.**, *JWST UNCOVER: Extremely Red and Compact Object at $z_{phot} \simeq 7.6$ Triply Imaged by A2744*, [ApJ, 952, 142, 2023](#)
- 79 **Welch, B., Coe, D., Zackrisson, E., et al.**, *JWST Imaging of Earendel, the Extremely Magnified Star at Redshift $z = 6.2$* , [ApJL, 940, L1, 2022](#)
- 78 **Casey, C. M., Kartaltepe, J. S., Drakos, N. E., et al.**, *COSMOS-Web: An Overview of the JWST Cosmic Origins Survey*, [ApJ, 954, 31, 2023](#)
- 77 **Ding, X., Onoue, M., Silverman, J. D., et al.**, *First detections of stellar light from quasar host galaxies at $z > 6$* , [arXiv:2211.14329, 2022](#)
- 76 **Bradley, L. D., Coe, D., Brammer, G., et al.**, *High-Redshift Galaxy Candidates at $z = 9-13$ as Revealed by JWST Observations of WHL0137-08*, [arXiv:2210.01777, 2022](#)
- 75 **Burgarella, D., Bogdanoska, J., Nanni, A., et al.**, *The ALMA-ALPINE [CII] survey. The star formation history and the dust emission of star-forming galaxies at $4.5 < z < 6.2$* , [A&A, 664, A73, 2022](#)

- 74 **Fudamoto, Y., Smit, R., Bowler, R. A. A., et al.**, *The ALMA REBELS Survey: Average [C II] 158 μm Sizes of Star-forming Galaxies from z 7 to z 4*, [ApJ, 934, 144, 2022](#)
- 73 **Akins, H. B., Fujimoto, S., Finlator, K., et al.**, *ALMA Reveals Extended Cool Gas and Hot Ionized Outflows in a Typical Star-forming Galaxy at $z = 7.13$* , [ApJ, 934, 64, 2022](#)
- 72 **Sun, F., Egami, E., Fujimoto, S., et al.**, *ALMA Lensing Cluster Survey: ALMA-Herschel Joint Study of Lensed Dusty Star-forming Galaxies across $z \approx 0.5 - 6$* , [ApJ, 932, 77, 2022](#)
- 71 **Isobe, Y., Ouchi, M., Nakajima, K., et al.**, *EMPRESS. IX. Extremely Metal-poor Galaxies are Very Gas-rich Dispersion-dominated Systems: Will the James Webb Space Telescope Witness Gaseous Turbulent High- z Primordial Galaxies?*, [ApJ, 951, 102, 2023](#)
- 70 **Romano, M., Morselli, L., Cassata, P., et al.**, *The ALPINE-ALMA [CII] survey: The population of [CII]-undetected galaxies and their role in the $L_{\text{[CII]}}$ -SFR relation*, [A&A, 660, A14, 2022](#)
- 69 **Valentino, F., Brammer, G., Fujimoto, S., et al.**, *The Archival Discovery of a Strong Ly α and [C II] Emitter at $z = 7.677$* , [ApJL, 929, L9, 2022](#)
- 68 **Xu, Y., Ouchi, M., Rauch, M., et al.**, *EMPRESS. VI. Outflows Investigated in Low-mass Galaxies: Weak Feedback in Low-mass Galaxies?*, [ApJ, 929, 134, 2022](#)
- 67 **Harikane, Y., Ono, Y., Ouchi, M., et al.**, *GOLDRUSH. IV. Luminosity Functions and Clustering Revealed with 4,000,000 Galaxies at z 2-7: Galaxy-AGN Transition, Star Formation Efficiency, and Implication for Evolution at $z > 10$* , [ApJS, 259, 20, 2022](#)
- 66 **Hashimoto, T., Inoue, A. K., Sugahara, Y., et al.**, *Big Three Dragons: Molecular Gas in a Bright Lyman-Break Galaxy at $z = 7.15$* , [arXiv:2203.01345, 2022](#)
- 65 **Shibuya, T., Miura, N., Iwadate, K., et al.**, *Galaxy morphologies revealed with Subaru HSC and super-resolution techniques. I. Major merger fractions of $L_{\text{UV}} < 3-15 L^*_{\text{UV}}$ dropout galaxies at z 4-7*, [PASJ, 74, 73, 2022](#)
- 64 **Isobe, Y., Ouchi, M., Suzuki, A., et al.**, *EMPRESS. IV. Extremely Metal-poor Galaxies Including Very Low-mass Primordial Systems with $M_{\star} = 10^4 - 10^5 M_{\odot}$ and 2%–3% (O/H): High (Fe/O) Suggestive of Metal Enrichment by Hypernovae/Pair-instability Supernovae*, [ApJ, 925, 111, 2022](#)
- 63 **Manning, S. M., Casey, C. M., Zavala, J. A., et al.**, *Characterization of Two 2 mm detected Optically Obscured Dusty Star-forming Galaxies*, [ApJ, 925, 23, 2022](#)
- 62 **Sugahara, Y., Inoue, A. K., Hashimoto, T., et al.**, *Big Three Dragons: A [N II] 122 μm Constraint and New Dust-continuum Detection of a $z = 7.15$ Bright Lyman-break Galaxy with ALMA*, [ApJ, 923, 5, 2021](#)

- 61 **Tateishi, D., Katsuda, S., Terada, Y., et al.**, *Possible Detection of X-Ray Emitting Circumstellar Material in the Synchrotron-dominated Supernova Remnant RX J1713.7-3946*, [ApJ](#), **923**, 187, 2021
- 60 **Kashiwagi, Y., Inoue, A. K., Isobe, Y., et al.**, *Subaru/FOCAS IFU revealed the metallicity gradient of a local extremely metal-poor galaxy*, [PASJ](#), **73**, 1631, 2021
- 59 **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](#), **922**, 114, 2021
- 58 **Casey, C. M., Zavala, J. A., Manning, S. M., et al.**, *Mapping Obscuration to Reionization with ALMA (MORA): 2 mm Efficiently Selects the Highest-redshift Obscured Galaxies*, [ApJ](#), **923**, 215, 2021
- 57 **Bakx, T. J. L. C., Sommovigo, L., Carniani, S., et al.**, *Accurate dust temperature determination in a $z = 7.13$ galaxy*, [MNRAS](#), **508**, L58, 2021
- 56 **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, 2021
- 55 **Valentino, F., Daddi, E., Puglisi, A., et al.**, *The effect of active galactic nuclei on the cold interstellar medium in distant star-forming galaxies*, [A&A](#), **654**, A165, 2021
- 54 **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, 2021
- 53 **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, 2021
- 52 **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, 2021
- 51 **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, 2021
- 50 **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, 2021
- 49 **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, 2021
- 48 **Kojima, T., Ouchi, M., Rauch, M., et al.**, *EMPRESS. II. Highly Fe-enriched Metal-poor Galaxies with ~ 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

- 47 **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, 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, 2021
- 45 **Izumi, T., Onoue, M., Matsuoka, Y., et al.**, *Subaru High- z Exploration of Low-luminosity Quasars (SHELLQs). XII. Extended [C II] Structure (Merger or Outflow) in a $z = 6.72$ Red Quasar*, *ApJ*, **908**, 235, 2021
- 44 **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, 2021
- 43 **Loiacono, F., Decarli, R., Gruppioni, C., et al.**, *The ALPINE-ALMA [C II] survey. Luminosity function of serendipitous [C II] line emitters at $z \sim 5$* , *A&A*, **646**, A76, 2021
- 42 **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, 2020
- 41 **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, 2020
- 40 **Ginolfi, M., Jones, G. C., Béthermin, M., et al.**, *The ALPINE-ALMA [CII] survey. Circumgalactic medium pollution and gas mixing by tidal stripping in a merging system at $z \sim 4.57$* , *A&A*, **643**, A7, 2020
- 39 **Dessauges-Zavadsky, M., Ginolfi, M., Pozzi, F., et al.**, *The ALPINE-ALMA [C II] survey. Molecular gas budget in the early Universe as traced by [C II]*, *A&A*, **643**, A5, 2020
- 38 **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, 2020
- 37 **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 $z \simeq 6$* , *A&A*, **643**, A8, 2020
- 36 **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, 2020
- 35 **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, 2020
- 34 **Béthermin, M., Fudamoto, Y., Ginolfi, M., et al.**, *The ALPINE-ALMA [CII] survey: Data processing, catalogs, and statistical source properties*, *A&A*, **643**, A2, 2020
- 33 **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, 2020

- 32 **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 <math>z < 6</math>*, *A&A*, **643**, A6, 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, 2020
- 30 **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
- 29 **Yamaguchi, Y., Kohno, K., Hatsukade, B., et al.**, *ALMA twenty-six arcmin^{² survey of GOODS-S at one millimeter (ASAGAO): Millimeter properties of stellar mass selected galaxies}*, *PASJ*, **72**, 69, 2020
- 28 **Kojima, T., Ouchi, M., Rauch, M., et al.**, *Extremely Metal-poor Representatives Explored by the Subaru Survey (EMPRESS). I. A Successful Machine-learning Selection of Metal-poor Galaxies and the Discovery of a Galaxy with $M_{\star} < 10^6 M_{\odot}$ and 0.016 ZZ_{\odot}* , *ApJ*, **898**, 142, 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, 2020
- 26 **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, 2020
- 25 **Pizzati, E., Ferrara, A., Pallottini, A., et al.**, *Outflows and extended [C II] haloes in high-redshift galaxies*, *MNRAS*, **495**, 160, 2020
- 24 **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, 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, 2020
- 22 **Mawatari, K., Inoue, A. K., Hashimoto, T., et al.**, *Balmer Break Galaxy Candidates at $z \sim 6$: A Potential View on the Star Formation Activity at $z \gtrsim 14$* , *ApJ*, **889**, 137, 2020
- 21 **Ginolfi, M., Jones, G. C., Béthermin, M., et al.**, *The ALPINE-ALMA [C II] survey: Star-formation-driven outflows and circumgalactic enrichment in the early Universe*, *A&A*, **633**, A90, 2020
- 20 **Izumi, T., Onoue, M., Matsuoka, Y., et al.**, *Subaru High- z Exploration of Low-Luminosity Quasars (SHELLQs). VIII. A less biased view of the early co-evolution of black holes and host galaxies*, *PASJ*, **71**, 111, 2019
- 19 **Harikane, Y., Ouchi, M., Ono, Y., et al.**, *SILVERRUSH. VIII. Spectroscopic Identifications of Early Large-scale Structures with Protoclusters over 200 Mpc at $z \sim 6-7$: Strong Associations of Dusty Star-forming Galaxies*, *ApJ*, **883**, 142, 2019

- 18 **Yuma, S., Ouchi, M., Fujimoto, S., Kojima, T., Sugahara, Y.**, *A Giant Green Pea Identified in the Spectroscopy of Spatially Extended [O III] Sources*, [ApJ, 882, 17, 2019](#)
- 17 **Hayatsu, N. H., Ivison, R. J., Andreani, P., et al.**, *ADF22: Blind Detections of [C II] Line Emitters Shown to be Spurious*, [Research Notes of the American Astronomical Society, 3, 97, 2019](#)
- 16 **Higuchi, R., Ouchi, M., Ono, Y., et al.**, *SILVERRUSH. VII. Subaru/HSC Identifications of Protocluster Candidates at $z \sim 6-7$: Implications for Cosmic Reionization*, [ApJ, 879, 28, 2019](#)
- 15 **Yamaguchi, Y., Kohno, K., Hatsukade, B., et al.**, *ALMA 26 arcmin^² Survey of GOODS-S at 1 mm (ASAGAO): Near-infrared-dark Faint ALMA Sources*, [ApJ, 878, 73, 2019](#)
- 14 **Ginolfi, M., Schneider, R., Valiante, R., et al.**, *The infrared-luminous progenitors of high- z quasars*, [MNRAS, 483, 1256, 2019](#)
- 13 **Hatsukade, B., Kohno, K., Yamaguchi, Y., et al.**, *ALMA twenty-six arcmin^² survey of GOODS-S at one millimeter (ASAGAO): Source catalog and number counts*, [PASJ, 70, 105, 2018](#)
- 12 **Itoh, R., Ouchi, M., Zhang, H., et al.**, *CHORUS. II. Subaru/HSC Determination of the Ly α Luminosity Function at $z = 7.0$: Constraints on Cosmic Reionization Model Parameter*, [ApJ, 867, 46, 2018](#)
- 11 **Harikane, Y., Ouchi, M., Shibuya, T., et al.**, *SILVERRUSH. V. Census of Ly α , [O III] $\lambda 5007$, H α , and [C II] 158 μm Line Emission with ~ 1000 LAEs at $z = 4.9-7.0$ Revealed with Subaru/HSC*, [ApJ, 859, 84, 2018](#)
- 10 **Izumi, T., Onoue, M., Shirakata, H., et al.**, *Subaru High- z Exploration of Low-Luminosity Quasars (SHELLQs). III. Star formation properties of the host galaxies at $z \gtrsim 6$ studied with ALMA*, [PASJ, 70, 36, 2018](#)
- 9 **Gómez-Guijarro, C., Toft, S., Karim, A., et al.**, *Starburst to Quiescent from HST/ALMA: Stars and Dust Unveil Minor Mergers in Submillimeter Galaxies at $z \sim 4.5$* , [ApJ, 856, 121, 2018](#)
- 8 **Aihara, H., Armstrong, R., Bickerton, S., et al.**, *First data release of the Hyper Suprime-Cam Subaru Strategic Program*, [PASJ, 70, S8, 2018](#)
- 7 **Ueda, Y., Hatsukade, B., Kohno, K., et al.**, *ALMA 26 arcmin² Survey of GOODS-S at One-millimeter (ASAGAO): X-Ray AGN Properties of Millimeter-selected Galaxies*, [ApJ, 853, 24, 2018](#)
- 6 **Aihara, H., Arimoto, N., Armstrong, R., et al.**, *The Hyper Suprime-Cam SSP Survey: Overview and survey design*, [PASJ, 70, S4, 2018](#)
- 5 **Ferrara, A., Hirashita, H., Ouchi, M., Fujimoto, S.**, *The infrared-dark dust content of high redshift galaxies*, [MNRAS, 471, 5018, 2017](#)
- 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, 2017](#)
- 3 **Yuma, S., Ouchi, M., Drake, A. B., et al.**, *Systematic Survey for [O II], [O III], and H α Blobs at $z = 0.1-1.5$: The Implication for Evolution of Galactic-scale Outflow*, [ApJ, 841, 93, 2017](#)

- 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, 2017