

Publication List

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ORCID: 0000-0002-9382-9832, H-index = 39 (>4621 citations) [NASA ADS]

Main Publications

Papers marked with an asterisk (*) are ALPINE publications. I am the North America lead PI of ALPINE.

35. **A. L. Faisst** & T. Morishita, “*Dead or Alive? How Bursty Star Formation and Patchy Dust Can Cause Temporary Quiescent in High Redshift Galaxies*”, Submitted to *The Astrophysical Journal*, arXiv:2402.13316, February 2024
34. **M. Jafariyazani**[†], D. Masters, **A. L. Faisst**, “*Predicting the Spectroscopic Features of Galaxies by Applying Manifold Learning on Their Broad-Band Colors: Proof of Concept and Potential Applications for Euclid, Roman, and Rubin LSST*”, Submitted to *The Astrophysical Journal*, arXiv.2311.18015, November 2023
† Postdoc under my supervision
33. D. Maschmann, C. Leitherer, **A. L. Faisst**, “*Testing He II Emission from Wolf–Rayet Stars as a Dust Attenuation Measure in Eight Nearby Star-forming Galaxies*”, *The Astrophysical Journal*, 961, 159, February 2024
32. G. Sun, A. Lidz, **A. L. Faisst**, C-A. Faucher-Giguère, “*Probing Bursty Star Formation by Cross-Correlating Extragalactic Background Light and Galaxy Surveys*”, *Monthly Notices of the Royal Astronomical Society*, 524, 2395, September 2023
31. K. Finner, **A. L. Faisst**, R. Chary, J. Jee, “*The First Weak-Lensing Analysis with the James Webb Space Telescope: SMACS J0723.3-7327*”, *The Astrophysical Journal*, 953, 102, August 2023
30. N. Scoville, **A. L. Faisst**, J. Weaver et al., “*Cosmic Evolution of Gas and Star Formation*”, *The Astrophysical Journal*, 943, 82, February 2023
29. **A. L. Faisst**, R. Chary, G. Brammer et al., “*What Are Those Tiny Things? A First Study of Compact Star Clusters in the SMACS0723 Field With JWST*”, *The Astrophysical Journal Letters*, 941, 11, December 2022
- *28. **A. L. Faisst**, L. Yan, M. Béthermin et al., “*ALPINE: A Large Survey to Understand Teenage Galaxies*”, *Universe*, 8, 314, June 2022 (Review Paper for ALPINE)
27. S. Facardo-Acosta, **A. L. Faisst**, C. Grillmair et al., “*Joint Survey Processing II. Stellar Proper Motions in the COSMOS Field from Hubble Space Telescope ACS and Subaru Telescope HSC Observations*”, *The Astrophysical Journal*, 930, 71, May 2022
26. **A. L. Faisst**, R. Chary, S. Fajardo-Acosta et al., “*Joint Survey Processing I. Compact Oddballs in the COSMOS Field – Low-luminosity Quasars at $z > 6$* ”, *The Astrophysical Journal*, 929, 66, April 2022
- *25. **B. Vanderhoof**[†], **A. L. Faisst**, L. Shen et al., “*The ALPINE-ALMA [CII] Survey: Investigation of 10 Galaxies at $z \sim 4.5$ with [OII] and [CII] Line Emission – ISM Properties and [OII]-SFR Relation*”, *Monthly Notices of the Royal Astronomical Society*, 511, 1303, March 2022
† Caltech/IPAC graduate fellow (2020) under my supervision
- *24. Y. Fudamoto, P. Oesch, **A. L. Faisst** et al., “*The ALPINE-ALMA [CII] Survey: Dust Attenuation Properties and Obscured Star Formation at $z \sim 4.4 - 5.8$* ”, *Astronomy & Astrophysics*, 643, 5, October 2020
- *23. P. Cassata, L. Morselli, **A. L. Faisst**, et al., “*The ALPINE-ALMA [CII] Survey: Small Ly α -[CII] Velocity Offsets in Main-Sequence Galaxies at $4.4 < z < 6$* ”, *Astronomy & Astrophysics*, 643, 6, October 2020
- *22. O. LeFèvre, M. Béthermin, **A. L. Faisst** et al., “*The ALPINE-ALMA [CII] Survey: Survey Strategy, Observations and Sample Properties of 118 Star-Forming Galaxies at $4 < z < 6$* ”, *Astronomy & Astrophysics*, 643, 1, October 2020
21. **A. L. Faisst**, Y. Fudamoto, P. Oesch et al. “*ALMA Characterizes the Dust Temperature of $z \sim 5.5$ Star-Forming Galaxies*”, *Monthly Notices of the Royal Astronomical Society*, 498, 4192, August 2020
- *20. M. Béthermin, M. Dessauges-Zavadsky, **A. L. Faisst**, et al., “*The ALPINE-ALMA [CII] Survey: Exploring the Dark Side of Normal Galaxies at the End of Reionization*”, *Messenger*, 180, 31, June 2020

- *19. **A. L. Faisst**, D. Schaerer, B. C. Lemaux et al., “*The ALPINE-ALMA [CII] Survey: Multi-Wavelength Ancillary Data and Physical Measurements*”, *The Astrophysical Journal Supplement*, 247, 61, April 2020
18. A. J. Pahl, A. Shapley, **A. L. Faisst** et al., “*The Redshift Evolution of Rest-UV Spectroscopic Properties to $z \sim 5$* ”, *Monthly Notices of the Royal Astronomical Society*, 493, 3194, April 2020
17. C. Leitherer, L. C. Lee, **A. L. Faisst**, “*He II Emission from Wolf Rayet Stars as a Tool for Measuring Dust Reddening*”, *The Astrophysical Journal*, 158, 192, November 2019
16. **A. L. Faisst**, P. L. Capak, N. Emami, S. Tacchella, K. Larson, “*The Recent Burstiness of Star Formation in Galaxies at $z = 4.5$ from $H\alpha$ Measurements*”, *The Astrophysical Journal*, 884, 133, September 2019
15. R. Pavesi, D. Riechers, **A. L. Faisst**, G. Stacey, P. Capak, “*Low star formation efficiency in typical galaxies at $z = 5 - 6$* ”, *The Astrophysical Journal*, 882, 168, September 2019
14. **A. L. Faisst**, A. Prakash, P. L. Capak, B. Lee, “*How to Find Variable Active Galactic Nuclei with Machine Learning*”, *The Astrophysical Journal Letters*, 881, 9, August 2019
13. **A. L. Faisst**, M. Bethermin, P. Capak et al., “*Panchromatic Study of the First Galaxies with Large ALMA Programs*”, *Proceedings IAU Symposium No. 341*, January 2019, arXiv: 1901.01268
12. **A. L. Faisst**, D. Masters, Y. Wang, et al., “*Empirical modeling of the Redshift Evolution of the [NII]/ $H\alpha$ ratio for Galaxy Redshift Surveys*”, *The Astrophysical Journal*, 855, 2, March 2018
11. I. Davidzon, O. Ilbert, **A. L. Faisst**, et al., “*An Alternative Approach to Measure Specific Star Formation Rates at $2 < z < 7$* ”, *The Astrophysical Journal*, 852, 107, January 2018
10. **A. L. Faisst**, P. Capak, L. Yan, et al., “*Are High Redshift Galaxies Hot? – Temperature of $z > 5$ Galaxies and Implications on their Dust Properties*”, *The Astrophysical Journal*, 847, 21, September 2017
9. **I. Barisic**[†], **A. L. Faisst**, P. Capak, et al., “*Dust Properties of [CII] detected $z \sim 5.5$ Galaxies: New HST/WFC3 Near-IR Observations*”, *The Astrophysical Journal*, 845, 41, August 2017
- [†] **Summer student at Caltech (2015) under my supervision**
8. **A. L. Faisst**, M. Carollo, P. Capak, et al., “*Constraints on Quenching of $z < 2$ Massive Galaxies from the Evolution of the average Sizes of Star-Forming and Quenched Populations in COSMOS*”, *The Astrophysical Journal*, 839, 71, April 2017
7. **A. L. Faisst**, “*Revisiting the Lyman Continuum Escape Fraction Crisis: Predictions for $z > 6$ from Local Galaxies*”, *The Astrophysical Journal*, 829, 99, September 2016
6. D. Masters, **A. L. Faisst**, & P. Capak, “*A tight Relation between N/O Ratio and Galaxy Stellar Mass can explain the Evolution of strong Emission Line Ratios with Redshift*”, *The Astrophysical Journal*, 828, 18, September 2016
5. **A. L. Faisst**, P. Capak, I. Davidzon, et al., “*Rest-UV Absorption Lines as Metallicity Estimator: the Metal Content of Star-Forming Galaxies at $z \sim 5$* ”, *The Astrophysical Journal*, 822, 29, May 2016
4. **A. L. Faisst**, P. Capak, B. C. Hsieh, et al., “*A Coherent Study of Emission Lines from Broad-Band Photometry: Specific Star-Formation Rates and [OIII]/ $H\beta$ Ratio at $3 < z < 6$* ”, *The Astrophysical Journal*, 821, 122, April 2016
3. N. Z. Scoville, **A. L. Faisst**, P. Capak, et al., “*Dust Attenuation in High Redshift Galaxies: ‘Diamonds in the Sky’*”, *The Astrophysical Journal*, 800, 108, February 2014
2. **A. L. Faisst**, P. Capak, C. M. Carollo, C. Scarlata & N. Z. Scoville, “*Spectroscopic Observations of $Ly\alpha$ Emitters at $z = 7.7$ and Implications on Re-ionization*”, *The Astrophysical Journal*, 788, 87, June 2014
1. P. Capak, **A. L. Faisst**, J. D. Vieira, et al., “*Keck-I MOSFIRE Spectroscopy of the $z \sim 12$ Candidate Galaxy UDFJ-39546284*”, *The Astrophysical Journal Letters*, 773, 14, August 2013

Work in Collaboration

Papers marked with an asterisk (*) are ALPINE publications. I am the North America lead PI of ALPINE.

73. F. Gentile, M. Taila, M. Behiri, ... , **A. L. Faisst**, ... , et al., “*Illuminating the Dark Side of Cosmic Star Formation. III. Building the Largest Homogeneous Sample of Radio-selected Dusty Star-forming Galaxies in COSMOS with PhoEBO*”, *The Astrophysical Journal*, 962, 26, February 2024
72. E. Lambrides, M. Chiaberge, A. Long, ... , **A. L. Faisst**, ... , et al., “*Uncovering a Massive $z \sim 7.65$ Galaxy Hosting a Heavily Obscured Radio-Loud GSO Candidate in COSMOS-Web*”, *The Astrophysical Journal*, 961, 25, January 2024
- *71. M. Béthermin, C. Accard, C. Guillaume, ... , **A. L. Faisst**, ... , et al., “*The ALMA-ALPINE [CII] survey: Kennicutt-Schmidt relation in four massive main-sequence galaxies at $z \sim 4.5$* ”, *Astronomy & Astrophysics*, 680, 8, December 2023
70. M. Behiri, M. Talia, A. Cimatti, ... , **A. L. Faisst**, ... , et al., “*Illuminating the Dark Side of Cosmic Star Formation II. A Second Date with RS-NIRdark Galaxies in COSMOS*”, *The Astrophysical Journal*, 957, 63, November 2023
69. J. Weaver, L. Zalesky, V. Kokorev, ... , **A. L. Faisst**, ... , et al., “*The Farmer: A Reproducible Profile-Fitting Photometry Package for Deep Galaxy Surveys*”, *The Astrophysical Journal Suppl.*, 269, 1, November 2023
68. W. Mercier, M. Shuntov, R. Gavazzi, ... , **A. L. Faisst**, ... , et al., “*The COSMOS-Web Ring: In-Depth Characterization of an Einstein Ring Lensing System at $z=2$* ”, arXiv:2309.15986, September 2023
67. O. Cooper, C. Casey, H. Akins, ... , **A. L. Faisst**, ... , et al., “*The Web Epoch of Reionization Lyman- α Survey (WERLS) I. MOSFIRE Spectroscopy of $z \sim 7-8$ Lyman- α Emitters*”, arXiv:2309.06656, September 2023
66. C. Casey, H. Akins, M. Shuntov, ... , **A. L. Faisst**, ... , et al., “*COSMOS-Web: Intrinsically Luminous $z > 10$ Galaxy Candidates Test Early Stellar Mass Assembly*”, arXiv:2308.10932, August 2023
65. M. Franco, H. Akins, C. Casey, ... , **A. L. Faisst**, ... , et al., “*Unveiling the Distant Universe: Characterizing $z > 9$ Galaxies in the First Epoch of COSMOS-Web*”, arXiv:2308.00751, August 2023
64. K. Ito, F. Valentino, G. Brammer, **A. L. Faisst**, ... , et al., “*Size – Stellar Mass Relation and Morphology of Quiescent Galaxies at $z > 3$ in Public JWST Fields*”, arXiv:2307.06994, July 2023
63. J. McKinney, S. Manning, O. Cooper, ... , **A. L. Faisst**, ... , et al., “*A Near-Infrared-Faint, Far-Infrared-Luminous Dusty Galaxy at $z \sim 5$ in COSMOS-Web*”, *The Astrophysical Journal*, 956, 2, October 2023
62. H. Akins, C. Casey, N. Allen, ... , **A. L. Faisst**, ... , et al., “*Two Massive, Compact, and Dust-Obscured Candidate $z=8$ Galaxies Discovered by JWST*”, *The Astrophysical Journal*, 956, 1, October 2023
61. D. Shupe, F. Masci, R. Chary, ... , **A. L. Faisst**, ... , et al., “*Annotated Coadds: Concise Metrics for Characterizing Survey Cadence and for Discovering Variable and Transient Sources*”, *Publications of the Astronomical Society of the Pacific*, 135, 1050, August 2023
60. J. Weaver, I. Davidzon, S. Toft, ... , **A. L. Faisst**, ... , et al., “*COSMOS2020: The Galaxy Stellar Mass Function: On the Assembly and Star Formation Cessation of Galaxies at $0.2 < z < 7.5$* ”, *Astronomy & Astrophysics*, 677, 184, September 2023
59. C. Casey, J. Kartaltepe, N. Drakos, ... , **A. L. Faisst**, ... , et al., “*COSMOS-Web: An Overview of the JWST Cosmic Origins Survey*”, *The Astrophysical Journal*, 954, 31, September 2023
58. J. Silverman, V. Mainieri, X. Ding, ... , **A. L. Faisst**, ... , et al., “*Resolving Galactic-Scale Obscuration of X-Ray AGNs at $z > 1$ with COSMOS-Web*”, *The Astrophysical Journal*, 951, 41, July 2023
- *57. L. Barchiesi, M. Dessauges-Zavadsky, C. Vignali, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] survey: Double Stellar Population and AGN Activity in a Galaxy at $z \sim 5.5$* ”, *Astronomy & Astrophysics*, 675, 30, July 2023
56. J. Magee, C. Casey, O. Cooper, ... , **A. L. Faisst**, ... , et al., “*Rotation Curve Measurement of Dark Matter Content of a $z = 0.5$ Galaxy*”, *Research Notes of AAS*, 7, 5, May 2023
55. F. Valentino, G. Brammer, K. Gould, ... , **A. L. Faisst**, ... , et al., “*An Atlas of Color-Selected Quiescent Galaxies at $z > 3$ in Public JWST Fields*”, *The Astrophysical Journal*, 947, 20, April 2023

54. V. Rusakov, C. Steinhardt, M. Schramm, ... , **A. L. Faisst**, ... , et al., “A Broad-Line Quasar with Unexplained Extreme Velocity Offsets: Post-Shock Outflow?”, *The Astrophysical Journal*, 944, 217, February 2023
- *53. L. Sommovigo, A. Ferrara, S. Carniani, ... , **A. L. Faisst**, ... , et al., “A New Look at the Infrared Properties of $z \sim 5$ Galaxies”, *Monthly Notices of the Royal Astronomical Society*, 517, 5930, November 2022
52. T. Veach, J. Polizotti, M. Davis, ... , **A. L. Faisst**, ... , et al., “SwRI’s ISpec Instrument for the ISCEA Observatory: Design”, *Space Telescopes and Instrumentation (SPIE)*, 12180, 7, August 2022
- *51. L. Shen, B. C. Lemaux, L. M. Lubin, ... , **A. L. Faisst**, ... , et al., “The ALPINE-ALMA [CII] Survey. The Infrared-Radio Correlation and Active Galactic Nucleus Fraction of Star-Forming Galaxies at $z=4.4-5.9$ ”, *The Astrophysical Journal*, 935, 177, August 2022
50. Y. Fudamoto, R. Smit, R. A. A. Bowler, ... , **A. L. Faisst**, ... , et al., “The ALMA REBELS Survey: Average [CII] $158\mu\text{m}$ Sizes of Star-Forming Galaxies from $z = 7$ to $z = 4$ ”, *The Astrophysical Journal*, 934, 144, August 2022
- *49. D. Burgarella, J. Bogdanoska, A. Nanni, ... , **A. L. Faisst**, ... , et al., “The ALPINE-ALMA [CII] Survey. The Star Formation History and the Dust Emission of Star-Forming Galaxies at $4.5 < z < 6.2$ ”, *Astronomy & Astrophysics*, 664, 73, August 2022
48. M. Shuntov, H. J. McCracken, R. Gavazzi, ... , **A. L. Faisst**, ... , et al., “COSMOS2020: Cosmic Evolution of the Stellar-to-Halo Mass Relation for Central and Satellite Galaxies up to $z = 5$ ”, *Astronomy & Astrophysics*, 663, 61, August, 2022
47. D.J. Lagattuta, J. Richard, F.E. Bauer, ... , **A. L. Faisst**, ... , et al., “Pilot-WINGS: An Extended MUSE View of the Structure of Abell 370”, *Monthly Notices of the Royal Astronomical Society*, 514, 497, July 2022
46. M. Boquien, V. Buat, D. Burgarella, ... , **A. L. Faisst**, ... , et al., “The ALPINE-ALMA [CII] Survey. Dust Attenuation Curves at $z = 4.4 - 5.5$ ”, *Astronomy & Astrophysics*, 663, 50, July 2022
- *45. M. Romano, L. Morselli, P. Cassata, ... , **A. L. Faisst**, ... , et al., “The ALPINE-ALMA [CII] Survey. The Population of [CII]-Undetected Galaxies and Their Role in the L[CII] – SFR Relation”, *Astronomy & Astrophysics*, 660, 14, April 2022
44. D. Vieira, D. Riechers, R. Pavesi, **A. L. Faisst**, et al. “Molecular Gas Excitation of the Massive Dusty Starburst CRLE and the Main-Sequence Galaxy HZ10 at $z = 5.7$ in the COSMOS Field”, *The Astrophysical Journal*, 925, 174, February 2022
43. A. Moneti, H. J. McCracken, M. Shuntov, ... , **A. L. Faisst**, ... , et al., “Euclid Preparation XVII. Cosmic Dawn Survey: Spitzer Space Telescope Observations of the Euclid Deep Fields and Calibration Fields”, *Astronomy & Astrophysics*, 658, 126, February 2022
42. J. R. Weaver, O. B. Kauffmann, O. Ilbert, ... , **A. L. Faisst**, ... , et al., “COSMOS2020: A Panchromatic View of the Universe to $z = 10$ from Two Complementary Catalogs”, *The Astrophysical Journal Supplements*, 258, 11, January 2022
41. Y. Wang, L. Armus, A. Benson, ... , **A. L. Faisst**, ... , et al., “Illuminating Galaxy Evolution at Cosmic Noon with ISCEA: The Infrared Satellite for Cosmic Evolution Astrophysics”, arXiv:21120.2387, December 2021
- *40. G. C. Jones, D. Vergani, M. Romano, ... , **A. L. Faisst**, ... , et al., “The ALPINE-ALMA [CII] Survey: Kinematic Diversity and Rotation in Massive Star-Forming Galaxies at $z = 4.4 - 4.9$ ”, *Monthly Notices of the Royal Astronomical Society*, 507, 3540, November 2021
39. A. Ghosh, L. L. R Williams, J. Liesenborgs, ... , **A. L. Faisst**, ... , et al., “Further Support for a Trio of Mass-to-Light Deviations in Abell 370: Free-Form GRALE Lens Inversion using BUFFALO Strong Lensing Data”, *Monthly Notices of the Royal Astronomical Society*, 506, 6159, October 2021
- *38. M. Romano, P. Cassata, L. Morselli, ... , **A. L. Faisst**, ... , et al., “The ALPINE-ALMA [CII] Survey. The Contribution of Major Mergers to the Galaxy Mass Assembly at $z \sim 5$ ”, *Astronomy & Astrophysics*, 653, 111, September 2021
- *37. F. Pozzi, F. Calura, Y. Fudamoto, ... , **A. L. Faisst**, ... , et al., “The ALPINE-ALMA [CII] Survey. Dust Mass Budget in the Early Universe”, *Astronomy & Astrophysics*, 653, 84, September 2021

36. L. Zanisi, F. Shankar, H. Fu, ... , **A. L. Faisst**, ... , et al., “*The Evolution of Compact Massive Quiescent and Star-Forming Galaxies Derived from the Re – Rh and Mstar – Mh relations*”, *Monthly Notices of The Royal Astronomical Society*, 505, 4555, August, 2021
- *35. Y. Khusanova, M. Béthermin, O. LeFèvre, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: Obscured Star Formation Rate Density and Main Sequence of Star-Forming Galaxies at $z > 4$* ”, *Astronomy & Astrophysics*, 649, 152, May 2021
34. M. Talia, A. Cimatti, M. Giuliotti, ... , **A. L. Faisst**, ... , et al., “*Illuminating the Dark Side of Cosmic Star Formation Two Billion Years after the Big Bang*”, *The Astrophysical Journal*, 909, 23, March 2021
33. M. Stockmann, J. Inger, S. Toft, ... , **A. L. Faisst**, ... , et al., “*The Fundamental Plane of Massive Quiescent Galaxies at $z \sim 2$* ”, *The Astrophysical Journal*, 908, 135, February 2021
- *32. F. Loiacono, R. Decarli, C. Gruppioni, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: The Luminosity Function of Serendipitous [CII] Line Emitters at $z \sim 5$* ”, *Astronomy & Astrophysics*, 646, 76, February 2021
- *31. L. Yan, A. Sajina, F. Loiacono, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: [CII]158micron Emission Line Luminosity Functions at $z \sim 4-6$* ”, *The Astrophysical Journal*, 905, 147, December 2020
- *30. C. Gruppioni, M. Béthermin, F. Loiacono, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: The Nature, Luminosity Function and Star Formation History of Dusty Galaxies up to $z \sim 6$* ”, *Astronomy & Astrophysics*, 643, 8, October 2020
- *29. M. Ginolfi, G. Jones, M. Béthermin, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: CGM Pollution and Gas Mixing by Tidal Stripping in a Merging System at $z \sim 4.57$* ”, *Astronomy & Astrophysics*, 643, 7, October 2020
- *28. M. Dessauges-Zavadsky, M. Ginolfi, F. Pozzi, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: Molecular Gas Budget in the Early Universe as Traced by [CII]*”, *Astronomy & Astrophysics*, 643, 5, October 2020
- *27. D. Schaerer, M. Ginolfi, M. Béthermin, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: Little to No Evolution in the [CII]-SFR Relation Over the Last 13 Gyrs*”, *Astronomy & Astrophysics*, 643, 3, October 2020
- *26. M. Béthermin, Y. Fudamoto, M. Ginolfi, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: Data Processing, Catalogs, and Statistical Source Properties*”, *Astronomy & Astrophysics*, 643, 2, October 2020
- *25. S. Fujimoto, J.D. Silverman, M. Béthermin, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: Size of Individual Star-Forming Galaxies at $z=4-6$ and Their Extended Halo Structure*”, *The Astrophysical Journal*, 900, 1, September 2020
24. R.R. Chary, G. Helou, G. Brammer, ... , **A. L. Faisst**, ... , et al., “*Joint Survey Processing of Euclid, Rubin and Roman: Final Report*”, arXiv:200810663, August 2020
- *23. M. Romano, P. Cassata, L. Morselli, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: On the Nature of an Extremely Obscured Serendipitous Galaxy*”, *Monthly Notices of the Royal Astronomical Society*, 496, 875, August, 2020
22. Y. Meštrić, E.V. Ryan-Weber, J. Cooke, ... , **A. L. Faisst**, ... , et al., “*Outside the Lyman-Break Box: Detecting Lyman Continuum Emitters at $3.5 < z < 5.1$ with CLAUDS*”, *Monthly Notices of the Royal Astronomical Society*, 494, 4986, April 2020
21. C. Steinhardt, M. Jauzac, A. Acebron, ... , **A. L. Faisst**, ... , et al., “*The BUFFALO HST Survey*”, *The Astrophysical Journal Supplement*, 247, 64, April 2020
20. C. Steinhardt, J. Weaver, J. Maxfield, ... , **A. L. Faisst**, ... , et al., “*A Method to Distinguish Quiescent and Dusty Star-Forming Galaxies with Machine Learning*”, *The Astrophysical Journal*, 891, 136, March 2020
19. F. Valentino, M. Tanaka, I. Davidzon, ... , **A. L. Faisst**, ... , et al., “*Quiescent Galaxies 1.5 Billion Years after the Big Bang and their Progenitors*”, *The Astrophysical Journal*, 889, 93, February 2020
18. M. Stockmann, S. Toft, A. Gallazzi, ... , **A. L. Faisst**, ... , et al., “*X-Shooter Spectroscopy and HST Imaging of 15 Ultra Massive Quiescent Galaxies at $z > 2$* ”, *The Astrophysical Journal*, 888, 4, January 2020

- *17. G. C. Jones, M. Bethermin, Y. Fudamoto, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: A Triple Merger at $z \sim 4.56$* ”, *Monthly Notices of the Royal Astronomical Society Letters*, 491, 18, January 2020
- *16. M. Ginolfi, G. C. Jones, M. Bethermin, ... , **A. L. Faisst**, ... , et al., “*The ALPINE-ALMA [CII] Survey: Star Formation-Driven Outflows and Circumgalactic Enrichment in the Early Universe*”, *Astronomy & Astrophysics*, 633, 90, January 2020
- 15. M. Tanaka, F. Valentino, S. Toft, ... , **A. L. Faisst**, ... , et al., “*Stellar Velocity Dispersion of a Massive Quenching Galaxy at $z = 4.01$* ”, *The Astrophysical Journal*, 885, 34, November 2019
- 14. A. Prakash, R. R. Chary, G. Helou, **A. L. Faisst**, ... , et al., “*A Flaring AGN in a ULIRG Candidate in Stipe 82*”, *The Astrophysical Journal*, 883, 154, September 2019
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