Dr. Yongda Zhu

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RESEARCH INTERESTS

Galaxy formation and evolution; Reionization; Intergalactic medium (IGM); Quasars; Dark Matter

EDUCATION

Mar. 2024 Ph.D. in Physics; University of California, Riverside

Constraining the IGM during the Later Stages of Reionization Using QSO Spectra

Advisor: Prof. George Becker
Dec. 2019 M.Sc. in Physics; University of California, Riverside
Jun. 2018 B.Sc. in Astronomy; University of Science and Technology of China

Test of Gravity Theories on the Galaxy Scale. Advisor: Prof. Xiao-Bo Dong

POSITIONS & PROFESSIONAL SERVICE

• JASPER Scholar (University of Arizona)

2025 -

- Mentors: Prof. Eiichi Egami & Prof. Xiaohui Fan
- Investigating gas–galaxy interactions across multiple scales using JWST data.

• Postdoctoral Research Associate (University of Arizona)

2024 -

- Mentors: Prof. Marcia Rieke & Prof. George Rieke
- Member of the JWST NIRCam Science Team and the MIRI U.S. Team.
- Analyzing multi-band imaging of galaxies from NIRCam.
- Built the first systematic sample of galaxies with extended emission lines and potential outflows using deep NIRCam medium-band imaging.
- Leading the reduction and analysis of one of the largest JWST/NIRSpec MSA datasets targeting cosmic noon galaxies and dust-obscured AGN candidates.

• Graduate Student Researcher (UC Riverside)

2019 - 2024

- Mentor: Prof. George Becker
- Led Keck and ALMA observations of the IGM via high-z quasars.
- Modeled the Ly α and Ly β forest using cosmological simulations.
- Provided robust evidence that cosmic reionization ended significantly later than previously thought.

• Teaching Assistant (UC Riverside)

2018-2019

- Taught intensive summer review course for PhD students preparing for the Comprehensive Exam. Classical Mechanics, Electromagnetism, Thermal and Statistical Physics
- Led undergraduate general physics laboratory courses.

• Teaching Assistant (USTC)

2016

- Taught computer programming in C/C++, including data structures and algorithms.

• Peer Reviewer:

The Astrophysical Journal, The Astrophysical Journal Letters, Open Research Europe (European Commission); telescope proposals (ALMA, Gemini).

• Collaborations: JADES, XQR-30, Roman Science Collaboration, SAPPHIRES, COSMOS-3D, EREBUS

SELECTED GRANTS & AWARDS

• NSF NRAO Student Observing Support Award (\$40k)	2023
\bullet UCR HEERF Dissertation Year Program Award (\$7.2k)	2022
• Benjamin C. Shen Memorial Award for Outstanding Achievement by a First Year Graduate Student Researcher, UCR	2019
• Dean's Distinguished Fellowship, UCR	2018
• Xingquan Fund Scholarship, USTC	2017
• Outstanding Student Scholarship, USTC	2015, 2017
• Student PI, "Properties of Barred Galaxies in Numerical Simulations" Chinese Academy of Sciences (CAS) Innovation Training Programs for Undergraduates (1 yr, CNY 10k)	2017
• First Prize in China Undergraduate Physics Tournament (USTC Competition Area).	2016
 Student PI, "Testing Gravity Theories on the Galactic Scale" National Natural Science Foundation of China (NSFC) for Fostering Talented Students in Basic Sciences (2 yr, CNY 20k) Chinese Academy of Sciences (CAS) Innovation Training Programs for Undergraduates (1 yr, CNY 10k) 	2015-2017

OBSERVING EXPERIENCE & PROPOSAL INVOLVEMENT

*PI/leading person[†]

Selected projects:

- *ALMA Cycle 11 Galaxy over/under-densities around IGM transmission at z=5.7: a robust constraint on reionization
- *MMT-6.5m/Binospec IFU 2024B Ionization and Enrichment in the Reionization Epoch: A Pilot Study with Binospec IFU
- *ALMA Cycle 9 The Mean Free Path of Ionizing Photons at z = 5.6: A Robust Constraint on Reionization
- JWST/NIRCam WFSS Cycle 2 (PI: Becker): How Does Reionization End? A Search for [O III] Emitters in the Most Transparent Regions of the IGM Near Redshift Six
- †Keck/ESI: [2021B_U036, 2022A_U035, 2022B_U042, 2023B_U049, 2023B_U049, 2024A_U281] The Mean Free Path at z = 5.6: Insights into Ultra-Late Reionization

Selected previous allocation:

- Keck/ESI: [2019A_U014, 2020A_U121, 2021A_U039] Giant Lyα Troughs at z < 6: A Signature of Very Late Reionization?: (PI: Becker) Zhu, Y., et al. 2021, ApJ, 923, 223; Zhu, Y. et al. 2022, ApJ, 932, 76.
- Keck/LRIS [2019A_U147, 2019B_U147] The Mean Free Path at z=5: A Key Constraint on Reionization Models (PI: Becker) Becker, G. D., et al. 2021; **Zhu, Y.** et al. 2023, ApJ, 955, 115

Other allocation includes Keck/ESI [2021A, 2021B], Keck/DEIMOS [2020A], Keck/LRIS [2023B], Subaru/HSC [2020B, 2021A, 2021B, 2023B]

 \dagger The PI of Keck proposals cannot be a UC student.

Other JWST programs as Co-I:

- 8544 Rest-Frame Optical Nebular Emission Lines at Cosmic Dawn: MIRI/LRS Follow-Up for JADES-GS-z14-0
- 8060 JWST Multi-Cycle Deep Transient Survey in GOODS-S
- 8018 DIVER: Deep Insights into UV Spectroscopy at the Epoch of Reionization
- 7935 Efficient Measurement of the Emergence Rate of AGN in Legacy Deep Field
- 7436 The Last Neutral Islands at the End of Reionization? Characterizing the Nature of the Longest Dark Gaps in IGM Transmission at z∼5.3
- 7390 Probing Pair-Instability Supernovae through the Triply-lensed MACS0647-JD at z=10.17
- 7345 The Dragon survey: A Direct Probe of the Early Stellar Luminosity Function and Dark Matter through Multi-cycle Multi-cadence Microlensing at z=0.73
- 7336 Commission a new $R\sim2500$ IFU on JWST: Calibrating second-order spectra of NIRCam/WFSS through Hubble Ultra Deep Field
- 7335 Forever Blowing Bubbles: What Powers a 24-kpc Ionized Gas Nebula Around a Normal Galaxy at z=6?

SELECTED SEMINARS / COLLOQUIA / CONFERENCE TALKS	* invited
• Galaxy Origins in the JWST Era, Toledo	May, 2025
• NIRCam Science Meeting, Biosphere2	Mar, 2025
• * SO/NSF's NOIRLab Joint Colloquium, University of Arizona	Feb 27, 2025
• * Cosmology Seminar, Arizona State University	Feb 19, 2025
• Lyman-alpha Forest Workshop, Ohio State University	Oct, 2024
• JWST MIRI Science Meeting, Biosphere2	Oct, 2024
• The First Gigayear(s), Hilo, Hawaiʻi	Sep, 2024
• JADES Collaboration Meeting, University of Copenhagen	Apr, 2024
• * Galaxy Group Talk, University of Arizona	Mar, 2024
• * Galaxy Seminar, University of Michigan	Nov, 2023
• Galaxy Formation and Evolution in Southern California (GalFRESCA 2023)	Sep, 2023
• * Special Kashiwa-Mitaka Meeting (KMM) Seminar, University of Tokyo	Aug, 2023
• * Lightning Talk, First Light Conference, MIT	Jun, 2023
\bullet Reionisation in the Summer Conference, $\mathbf{MPIA},$ Heidelberg	Jun, 2023
• * Talk at Galaxy Formation Group, Northwestern University (CIERA)	Dec, 2022

• * FLASH Seminar, University of California, Santa Cruz	Nov, 2022
• * Astronomy Lunch Talk, University of California, Los Angeles	Oct, 2022
• * Astro Lunch Talk, University of California, Santa Barbara	Sep, 2022
• Reionization on a Blackboard Workshop, CCA	$\mathrm{Sep},2022$
• * Special arXiv Coffee Meeting, University of California, Davis	May, 2022
• * Physics & Astronomy Student Seminar, UC Riverside	$\mathrm{Apr},2022$
• * High-z Group Talk, Tsinghua University	Apr, 2022
\bullet Reionization and Cosmic Dawn: Looking Forward to the Past, ${\bf UC~Berkeley}$	Mar, 2022
• European Astronomical Society Annual Meeting (EAS 2021)	Jul, 2021
• Summer All Zoom Epoch of Reionization Astronomy Conference (SAZERAC2)	$\mathrm{Jun},2021$
• * EURECA Seminar, University of Arizona	Feb, 2021
MENTORING	
 Undergraduate student mentored: Mr. Suprabhas Narisetty (U Arizona) Project: NIRSpec observations of cosmic-noon galaxies. 	2025
 Undergraduate student mentored: Ms. G. Hernandez (UC Riverside) Project: Measuring the redshift evolution of the IGM effective optical depth. 	2021
 Graduate students (co-)mentored as a peer mentor: Ms. HX. Ma (PhD student at Nagoya University, Japan) Project: Density-based clustering algorithm for galaxy group/cluster identification Project: Constraining the dark matter halo of the Milky Way with Gaia DR3 Mr. Seyedazim Hashemi (PhD student at UC Riverside) Project: Lyman-alpha visibility during the epoch of reionization 	
• UCR International Students & Scholar Office: 14 mentees with international backgrounds	2021-2023
 UCR GSMP / Graduate Student Mentorship Program: Dr. N Ahvazi (Dark matter and galaxies) Dr. Q Wu (2D materials) 	2020
SERVICE & PUBLIC OUTREACH	
• Instructor: Galactic Adventures, Flandrau Science Center & Planetarium, AZ	Jun. 2025
• Stargazing outreach events at Home Gardens Library, Corona, CA	Oct. 2023
• Co-organizer: UCR Physics & Astronomy Student Seminar	2022-2023
• UCR Camp Highlander instructor	Summer 2022
 Outreach courses designed for K-12 students: Multiwavelength Universe Gravity Simulator 	2022

Virtual Stargazing (UCR & Riverside Astronomical Society)
monthly live public outreach on Youtube

 Serving for the Riverside County Science and Engineering Fair as a judge
 UCR Astronomy Public Outreach: Mercury Transit
 Nov. 2019

SELECTED MEDIA COVERAGE

- "Astronomers Discover a Unique Quasi-Stellar Object-Dusty Star-Forming Galaxy System", American Physical Society (APS)
- "The End of the Cosmic Dawn: Settling a Two-Decade Debate", SciTechDaily
- "Can You Explain These Long, Dark Gaps in Your Cosmological Resume?", AASNova

TECHNICAL PROFICIENCIES

Programming C(and some C++), Python, Julia, GDL/IDL, CUDA

Software CASA, Gadget-4, GALAXY, FreeFem++, etc.

Hardware Raspberry Pi, Arduino

Languages English (professional), Chinese (native)

YONGDA ZHU - PUBLICATION LIST

ORCiD: 0000-0003-3307-7525

 $ADS~link:~\underline{https://ui.adsabs.harvard.edu/search/q=orcid\%3A0000-0003-3307-7525}\\ Google~Scholar:~\underline{https://scholar.google.com/citations?user=wDrSZWYAAAAJ}$

As of August 2025: > 2000 citations | h-index: 25

Research Interest Score is higher than 99% of ResearchGate members who first published in 2021.

First-author:

- 11. **Zhu, Y.**, Egami, E., Fan, X., Sun, F., Becker, G. D., Cain, C., Chen, H., Eilers, A.-C., Fudamoto, Y., Helton, J. M., Jin, X., Pudoka, M., Bunker, A. J., Cai, Z., Champagne, J. B., Ji, Z., Lin, X., Liu, W., Ma, H.-X., Ma, Z., Maiolino, R., Rieke, G. H., Rieke, M. J., Rinaldi, P., Sun, Y., Tee, W. L., Wang, F., Yang, J., Yue, M., and Zhang, J., **2025**. *Quasar Radiative Feedback May Suppress Galaxy Growth on Intergalactic Scales at z* = 6.3, arXiv e-prints, arXiv:2509.00153.
- Zhu, Y., Bonaventura, N., Sun, Y., Rieke, G. H., Alberts, S., Lyu, J., Morrison, J. E., Ji, Z., Egami, E., Helton, J. M., Rieke, M. J., Rinaldi, P., Sun, F., and Willmer, C. N. A., 2025. SMILES Data Release II: Probing Galaxy Evolution during Cosmic Noon and Beyond with NIRSpec Medium-Resolution Spectra, arXiv e-prints, arXiv:2508.12599.
- Zhu, Y., Rieke, M. J., Ji, Z., Simmonds, C., Sun, F., Sun, Y., Alberts, S., Bhatawdekar, R., Bunker, A. J., Cargile, P. A., Carniani, S., de Graaff, A., Hainline, K., Helton, J. M., Jones, G. C., Lyu, J., Rieke, G. H., Rinaldi, P., Robertson, B., Scholtz, J., Übler, H., Williams, C. C., and Willmer, C. N. A., 2025. A Systematic Search for Galaxies with Extended Emission Lines and Potential Outflows in JADES Medium-band Images, The Astrophysical Journal, 986, 162.
- 8. **Zhu, Y.**, Alberts, S., Lyu, J., Morrison, J., Rieke, G. H., Sun, Y., Helton, J. M., Ji, Z., Bhatawdekar, R., Bonaventura, N., Bunker, A. J., Lin, X., Rieke, M. J., Rinaldi, P., Shivaei, I., Willmer, C. N.

- A., and Zhang, J., **2025**. SMILES: Potentially Higher Ionizing Photon Production Efficiency in Overdense Regions, The Astrophysical Journal, 986, 18.
- 7. Zhu, Y., Rieke, M. J., Ho, L. C., Sun, Y., Rieke, G. H., Yuan, F., Bakx, T. J. L. C., Becker, G. D., Yang, J., Bañados, E., Bischetti, M., Cain, C., Fan, X., Fudamoto, Y., Hashemi, S., Ikeda, R., Ji, Z., Jin, X., Liu, W., Liu, Y., Lyu, J., Ma, H.-X., Takeuchi, T. T., Umehata, H., Wang, F., and Tee, W. L., 2025. Nuclear Winds Drive Cold Gas Outflows on Kiloparsec Scales in Reionization-Era Quasars, arXiv e-prints, arXiv:2504.02305.
- 6. Zhu, Y., Bakx, T. J. L. C., Ikeda, R., Umehata, H., Becker, G. D., Cain, C., Champagne, J. B., Fan, X., Fudamoto, Y., Jin, X., Ma, H.-X., Sun, Y., Takeuchi, T. T., and Tee, W. L., 2024. Discovery of a Unique Close Quasar-DSFG Pair Linked by a [C II] Bridge at z = 5.63, Research Notes of the American Astronomical Society, 8, 284.
- 5. Zhu, Y., Becker, G. D., Bosman, S. E. I., Cain, C., Keating, L. C., Nasir, F., D'Odorico, V., Bañados, E., Bian, F., Bischetti, M., Bolton, J. S., Chen, H., D'Aloisio, A., Davies, F. B., Davies, R. L., Eilers, A.-C., Fan, X., Gaikwad, P., Greig, B., Haehnelt, M. G., Kulkarni, G., Lai, S., Puchwein, E., Qin, Y., Ryan-Weber, E. V., Satyavolu, S., Spina, B., Walter, F., Wang, F., Wolfson, M., and Yang, J., 2024. Damping wing-like features in the stacked Ly α forest: Potential neutral hydrogen islands at z < 6, Monthly Notices of the Royal Astronomical Society, 533, L49.</p>
- 4. Zhu, Y., Becker, G. D., Christenson, H. M., D'Aloisio, A., Bosman, S. E. I., Bakx, T., D'Odorico, V., Bischetti, M., Cain, C., Davies, F. B., Davies, R. L., Eilers, A.-C., Fan, X., Gaikwad, P., Haehnelt, M. G., Keating, L. C., Kulkarni, G., Lai, S., Ma, H.-X., Mesinger, A., Qin, Y., Satyavolu, S., Takeuchi, T. T., Umehata, H., and Yang, J., 2023. Probing Ultralate Reionization: Direct Measurements of the Mean Free Path over 5 < z < 6, The Astrophysical Journal, 955, 115.</p>
- 3. **Zhu, Y.**, Ma, H.-X., Dong, X.-B., Huang, Y., Mistele, T., Peng, B., Long, Q., Wang, T., Chang, L., and Jin, X., **2023**. *How close dark matter haloes and MOND are to each other: three-dimensional tests based on Gaia DR2*, Monthly Notices of the Royal Astronomical Society, 519, 4479.
- 2. Zhu, Y., Becker, G. D., Bosman, S. E. I., Keating, L. C., D'Odorico, V., Davies, R. L., Christenson, H. M., Bañados, E., Bian, F., Bischetti, M., Chen, H., Davies, F. B., Eilers, A.-C., Fan, X., Gaikwad, P., Greig, B., Haehnelt, M. G., Kulkarni, G., Lai, S., Pallottini, A., Qin, Y., Ryan-Weber, E. V., Walter, F., Wang, F., and Yang, J., 2022. Long Dark Gaps in the Lyβ Forest at z < 6: Evidence of Ultra-late Reionization from XQR-30 Spectra, The Astrophysical Journal, 932, 76.</p>
- Zhu, Y., Becker, G. D., Bosman, S. E. I., Keating, L. C., Christenson, H. M., Bañados, E., Bian, F., Davies, F. B., D'Odorico, V., Eilers, A.-C., Fan, X., Haehnelt, M. G., Kulkarni, G., Pallottini, A., Qin, Y., Wang, F., and Yang, J., 2021. Chasing the Tail of Cosmic Reionization with Dark Gap Statistics in the Lyα Forest over 5 < z < 6, The Astrophysical Journal, 923, 223.

Co-author:

- 62. D'Eugenio, F., Helton, J. M., Hainline, K., Sun, F., Maiolino, R., Pérez-González, P. G., Juodžbalis, I., Arribas, S., Bunker, A. J., Carniani, S., Curtis-Lake, E., Egami, E., Eisenstein, D. J., Johnson, B. D., Robertson, B., Tacchella, S., Willmer, C. N. A., Willott, C., Baker, W. M., Danhaive, A. L., Duan, Q., Fudamoto, Y., Jones, G. C., Lin, X., Liu, W., Perna, M., Puskás, D., Rinaldi, P., Scholtz, J., Sun, Y., Trussler, J. A. A., Übler, H., Venturi, G., Williams, C. C., and Zhu, Y., 2025. JADES and SAPPHIRES: galaxy metamorphosis amidst a huge, luminous emission-line region, Monthly Notices of the Royal Astronomical Society, 542, 960.
- 61. Hashemi, S., Becker, G. D., **Zhu, Y.**, and Hong, H., **2025**. Lyα emission from [O III] emitters near reionization: the role of environment in galaxy Lyα detection, Monthly Notices of the Royal Astronomical Society, 542, 104.

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- 59. Ji, Z., Alberts, S., **Zhu, Y.**, Vanzella, E., Giavalisco, M., Hainline, K., Baker, W. M., Bunker, A. J., Helton, J. M., Lyu, J., Rinaldi, P., Robertson, B., Simmonds, C., Tacchella, S., Williams, C. C., Willmer, C. N. A., and Witstok, J., **2025**. The Importance of Dust Distribution in Ionizing-photon Escape: NIRCam and MIRI Imaging of a Lyman Continuum-emitting Galaxy at $z \sim 3.8$, The Astrophysical Journal, 988, L69.
- 58. Wu, Z., Eisenstein, D. J., Johnson, B. D., Jakobsen, P., Alberts, S., Arribas, S., Baker, W. M., Bunker, A. J., Carniani, S., Charlot, S., Chevallard, J., Curti, M., Curtis-Lake, E., D'Eugenio, F., Hainline, K., Helton, J. M., Hsiao, T. Y.-Y., Ji, X., Ji, Z., Looser, T. J., Rieke, G., Rinaldi, P., Robertson, B., Scholtz, J., Sun, F., Tacchella, S., Trussler, J. A. A., Williams, C. C., Willmer, C. N. A., Willott, C., Witstok, J., and Zhu, Y., 2025. JADES-GS-z14-1: A Compact, Faint Galaxy at z ≈ 14 with Weak Metal Lines from Extremely Deep JWST MIRI, NIRCam, and NIRSpec Observations, arXiv e-prints, arXiv:2507.22858.
- 57. Rinaldi, P., Rieke, G. H., Wu, Z., Gilbert, C. J. E., Pacucci, F., Barchiesi, L., Alberts, S., Carniani, S., Bunker, A. J., Bhatawdekar, R., D'Eugenio, F., Ji, Z., Johnson, B. D., Hainline, K., Kokorev, V., Kumari, N., Iani, E., Lyu, J., Maiolino, R., Parlanti, E., Robertson, B. E., Sun, Y., Vignali, C., Williams, C. C., Willmer, C. N. A., and **Zhu, Y.**, **2025**. Beyond the Dot: an LRD-like nucleus at the Heart of an IR-Bright Galaxy and its implications for high-redshift LRDs, arXiv e-prints, arXiv:2507.17738.
- 56. Stone, M. A., Rieke, G. H., Lyu, J., Florian, M. K., Hainline, K. N., Sun, Y., and **Zhu, Y.**, **2025**. The z = 7.08 quasar ULAS J1120+0641 May Never Reach a "Normal" Black Hole to Stellar Mass Ratio, arXiv e-prints, arXiv:2507.13489.
- 55. Lin, X., Fan, X., Cai, Z., Bian, F., Liu, H., Sun, F., Ma, Y., Greene, J. E., Strauss, M. A., Green, R., Lyu, J., Champagne, J. B., Goulding, A. D., Inayoshi, K., Jin, X., Leung, G. C. K., Li, M., Liu, Y., Mao, J., Pudoka, M. A., Tee, W. L., Wang, B., Wang, F., Wu, Y., Yang, J., Zhang, H., and Zhu, Y., 2025. The Discovery of Little Red Dots in the Local Universe: Signatures of Cool Gas Envelopes, arXiv e-prints, arXiv:2507.10659.
- 54. Laseter, I. H., Maseda, M. V., Simmonds, C., Endsley, R., Stark, D., Bunker, A. J., Bhatawdekar, R., Boyett, K., Cameron, A. J., Carniani, S., Curti, M., Ji, Z., Rinaldi, P., Saxena, A., Tacchella, S., Willott, C., Witstok, J., and Zhu, Y., 2025. Efficient Ionizers with Low Hβ + [O III] Equivalent Widths: JADES Spectroscopy of a Peculiar High-redshift Population, The Astrophysical Journal, 988, 73.
- 53. Rieke, G. H., Buiten, V. A., Goldberg, C. E., Morrison, J., van der Werf, P., Alonso-Herrero, A., Alberts, S., Bonaventura, N., Ji, Z., Lyu, J., Rinaldi, P., Stone, M. A., Sun, Y., and Zhu, Y., 2025. Low Accretion Rates in Black Holes in Late-stage Merger Ultraluminous Infrared Galaxies, The Astrophysical Journal, 988, 17.
- 52. Fu, S., Sun, F., Jiang, L., Lin, X., Diego, J. M., Furtak, L. J., Jauzac, M., Koekemoer, A. M., Li, M., Oguri, M., Patel, N. R., Willmer, C. N. A., Windhorst, R. A., Zitrin, A., Bauer, F. E., Chen, C.-C., Chen, W., Cheng, C., Conselice, C. J., Eisenstein, D. J., Egami, E., Espada, D., Fan, X., Fujimoto, S., Hsiao, T. Y.-Y., Jin, X., Kohno, K., Lagattuta, D. J., Li, Z., Liu, W., Miralda-Escudé, J., Ning, Y., Tacchella, S., Tee, W. L., Umehata, H., Wang, F., Yan, H., and Zhu, Y., 2025. Medium-band Astrophysics with the Grism of NIRCam In Frontier Fields (MAGNIF): Spectroscopic Census of Hα Luminosity Functions and Cosmic Star Formation at z ~ 4.5 and 6.3, The Astrophysical Journal, 987, 186.

- Marcelin, L. C., Champagne, J. B., Wang, F., Fan, X., Pudoka, M., Tee, W. L., and Zhu, Y., 2025. *Enhanced Merger Fractions in a Reionization-era Protocluster*, Research Notes of the American Astronomical Society, 9, 133.
- 50. Hsiao, T. Y.-Y., Sun, F., Lin, X., Coe, D., Egami, E., Eisenstein, D. J., Fudamoto, Y., Bunker, A. J., Fan, X., Harikane, Y., Helton, J. M., Kakiichi, K., Liu, Y., Liu, W., Maiolino, R., Ouchi, M., Tee, W. L., Wang, F., Wu, Y., Xu, Y., Yang, J., and **Zhu, Y.**, **2025**. SAPPHIRES: Extremely Metal-Poor Galaxy Candidates with 12 + log(O/H) < 7.0 at z ∼ 5 − 7 from Deep JWST/NIRCam Grism Observations, arXiv e-prints, arXiv:2505.03873.
- 49. Lin, X., Fan, X., Sun, F., Zhang, J., Egami, E., Helton, J. M., Wang, F., Zhang, H., Bunker, A. J., Cai, Z., Ji, Z., Jin, X., Maiolino, R., Pudoka, M. A., Rinaldi, P., Robertson, B., Tacchella, S., Tee, W. L., Sun, Y., Willmer, C. N. A., Willott, C., and Zhu, Y., 2025. The Large-scale Environments of Low-luminosity AGNs at 3.9 < z < 6 and Implications for Their Host Dark Matter Halos from a Complete NIRCam Grism Redshift Survey, arXiv e-prints, arXiv:2505.02896.</p>
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- 46. Baker, W. M., Lim, S., D'Eugenio, F., Maiolino, R., Ji, Z., Arribas, S., Bunker, A. J., Carniani, S., Charlot, S., de Graaff, A., Hainline, K., Looser, T. J., Lyu, J., Rinaldi, P., Robertson, B., Schaller, M., Schaye, J., Scholtz, J., Übler, H., Williams, C. C., Willmer, C. N. A., Willott, C., and Zhu, Y., 2025. The abundance and nature of high-redshift quiescent galaxies from JADES spectroscopy and the FLAMINGO simulations, Monthly Notices of the Royal Astronomical Society, 539, 557.
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