Zhiyuan Ji

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Employment

Dec 2022 – Present	**Steward Observatory, University of Arizona, USA** *JASPER Postdoctoral Scholar*

Education

Sep 2015 – Feb 2023	**Astronomy Department, University of Massachusetts Amherst, USA** *Ph.D. in Astronomy*
Sep 2011 – Jun 2015	**School of Astronomy and Space Science, Nanjing University, China** *B.Sc. in Astronomy & Astrophysics*

Research Interests

- Galaxy formation and evolution at high redshifts – physics of quenching, structural evolution, AGN feedback
- High-redshift quiescent galaxies – mass assembly history, gas/dust content, stellar kinematics, environmental effects
- Lyman continuum emitters at low- and intermediate- redshifts, the Reionization epoch

Successful Proposals

SUMMARY: I serve as PI or Co-I on 44 programs across seven flagship observatories. As PI, I lead one *JWST* program (20 hours), two *ALMA* programs (55 hours), one *XMM-Newton* program (21 hours), and two *NOEMA* programs. As Co-I, I am involved in (1) 16 *JWST*/GO programs totaling over 650 hours, and five additional pure-parallel/survey-mode/AR programs; (2) eight *HST*/GO programs totaling 310 orbits; (3) five *ALMA* programs totaling over 90 hours, and one 95-hour ACA program; and (4) several additional programs associated with *Chandra* and the *VLA*. These programs collectively bring over $300,000 in research funding directly to me in the most recent cycle (2024-2025).

The full list of successful programs is provided below, with PI programs highlighted in red.

James Webb Space Telescope (*JWST*)

- **Cycle 4** (One 236-hour Survey program, eight GO programs with a total of 283 hours)

  - Survey program (236 hours). *"THRIFTY: The High-RedshIft FronTier surveY'*
  - 14 hours. *"Forever Blowing Bubbles: What Powers a 24-kpc Ionized Gas Nebula Around a Normal Galaxy at z = 6?"*
  - 12 hours. *"Commission a new R 2500 'IFU' on JWST: Calibrating second-order spectra of NIRCam/WFSS through Hubble Ultra Deep Field"*
  - 36 hours. *"Dust After Quenching: A Mid-Infrared View into the Hidden ISM of Distant Massive Galaxies'*
  - 37 hours. *"Efficient Measurement of the Emergence Rate of AGN in Legacy Deep Field"*
  - 73 hours. *"DIVER: Deep Insights into UV Spectroscopy at the Epoch of Reionization"*
  - 44 hours. *"JWST Multi-Cycle Deep Transient Survey in GOODS-S"*
  - 63 hours. *"Rest-Frame Optical Nebular Emission Lines at Cosmic Dawn: MIRI/LRS Follow-Up for JADES-GS-z14-0"*
  - 4 hours. *"In Search of Siblings: Spectroscopic Follow-Up of a Candidate Massive Quiescent Galaxy at z ∼ 7"*
- **Cycle 3** (One 600-hour pure parallel program, four GO programs with a total of 135 hours)
  - 20 hours. *"JWST/NIRCam Slitless Spectroscopy in the JWST/MIRI HUDF Region"* (Co-PI)
  - Pure parallel, 600 hours. *"SAPPHIRES: Slitless Areal Pure-Parallel High-Redshift Emission Survey"*
  - 49 hours. *"Confirming Population III or a Direct Collapse Black Hole in the halo of GN-z11 at z = 10.6"*
  - 39 hours. *"Deep NIRCam grism observations in the 1210 parallel field"*
  - 27 hours. *"Ionization and Obscuration in LyC Emitters: A MIR Look at Lyman Continuum Escape"*
  - AR. *"Characterizing the z > 1 satellite population with public deep-field JWST surveys"*
- **Cycle 2** (Five GO programs with a total of 269 hours)
  - 136 hours. *"Unveiling the Redshift Frontier with JWST"*
  - 46 hours. *"The search for Population III stars in low-metallicity $7 < z < 9.5$ galaxies"*
  - 39 hours. *"MAGNIF: Medium-band Astrophysics with the Grism of NIRCam in Frontier Fields"*
  - 24 hours. *"What quenched the first massive quiescent galaxy? A comprehensive analysis from stellar kinematics to gas emission lines"*
  - 24 hours. *"Resolving early galaxy disks at z ∼ 8 with NIRSpec-IFS"*
  - AR. *"A Unique Characterization of Early Quenching in a Young, Transitional Cluster at z = 1.84 with NGDEEP and JEMS"*
  - AR. *"Analyzing Giant Clumps in JWST Images of Star-Forming Galaxies to Constrain Feedback"*
- **Cycle 1**
  - Pure parallel, 150 hours. *"PANORAMIC – A Pure Parallel Wide Area Legacy Imaging Survey at 1-5Micron"*

Hubble Space Telescope (*HST*)

- **Cycle 33**
  - 40 orbits. *"Spatially resolving the conditions for ionizing radiation escape in galaxies"*
- **Cycle 32**

  - 31 orbits. *"Mg II maps to reveal how ionizing photons escape local LyC emitting galaxies"*
- **Cycle 30** (Five GO programs with a total of 225 orbits)
  - 119 orbits. *"The Lyman-alpha and Continuum Origins Survey (LaCOS)"*
  - 49 orbits. *"Resolving Lyman Alpha emission in a complete sample of Lyman Continuum leakers and non-leakers"*
  - 34 orbits. *"Revealing the link between strong LyC emitters and enigmatic CIV emitters"*
  - 12 orbits. *"Are There Two Classes of Lyman-Leaky Galaxies?"*
  - 11 orbits. *"Mapping the morphology of the ionizing radiation from a LyC emitting galaxy at $z = 4.00$"*
- **Cycle 29**
  - 14 orbits. *"The ionizing output of galaxies undergoing the most extreme feedback"*

Atacama Large Millimeter Array (*ALMA*, only those with grade-B and above are listed)

- **Cycle 12**
  - 45 hours. *"Dust Rising from the ASHES: A Comprehensive ALMA Survey of Remnant Dust in the Earliest Quiescent Galaxies"* (PI)
  - 18 hours. *"Accurate measurement of molecular gas content and carbon chemistry in a galaxy cluster at Cosmic Noon"*
  - 13 hours. *"What's Left Behind: A Census of the Cold ISM in the First Massive Quiescent Galaxies"*
  - 25 hours. *"Investigating the feedback efficiency in GS-z14-0"*
  - 95 hours (ACA). *"Quenching fever: taking the temperature of one of the most massive quiescent galaxies at high redshift"*
- **Cycle 10**
  - 8 hours. *"Quenching the first massive galaxies: a detailed look at the leftover ISM in the earliest confirmed galaxy at z=4.658"* (PI)
  - 16 hours. *"Validating [CII]-SFR Relation in a z=8.22 Galaxy Group"*
  - 17 hours. *"Heating and Cooling of the cold ISM on the z=2 Main-Sequence with ALMA+JWST"*

XMM-Newton X-ray Telescope

- 74 k-sec. *"X-raying Strong Lyman Continuum Emitters in the Local Universe"* (Cycle 23, PI)

Chandra X-ray Telescope

- AR. *"Does Excess Mid-Infrared Emission Reliably Signal an AGN?"*

Northern Extended Millimeter Array (*NOEMA*)

- *"Molecular Gas Content and Star Formation Efficiencies of Barred Spiral Galaxies in the Green Valley at Half the Hubble Time"* (Summer 2021, Co-PI)
- *"The gas mass fraction, spatial distribution and kinematics of star forming galaxies at $z \sim 2$"* (Winter 2020, Co-PI)

Very Large Array (*VLA*)

- *"Characterizing Radio Continuum Emission from Low-z Lyman Continuum Leakers"*

Surveys and Large Collaborations

Sep 2022 - Present	*JWST/NIRCam GTO Science Team; JWST/MIRI-US GTO Science Team; JWST GTO programs: JADES, SMILES*
Jan 2021 - Present	*HST/WFC3 program: Ultraviolet Imaging of the Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey (UVCANDELS)*
Sep 2019 - Present	*HST/COS program: The Low-redshift Lyman Continuum Survey; HST/WFC3 grism spectroscopy program: CANDELS Lyα Emission at Reionization (CLEAR)*
Sep 2015 - Present	*HST/WFC3 survey: Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey (CANDELS)*

Service

- Referee for the Astrophysical Journal (ApJ)
- External reviewer for HST
- Convener of the JADES galaxy morphology working group
- Coordinator of the Five-College Astronomy Undergraduate Internship Program (2019)
- UMass Amherst Astronomy Department Colloquium Committee (2019, 2020)
- Steward Observatory Value Committee (2023 - Present, link)
- Served as a referee for the Undergraduate Mentorship Conference organized by the APS and the Heising-Simons Foundation

Research Mentorship

- Ben A. Phan (UArizona undergraduate, 2024 - 2025)
- Charlie Goodwin (UMass undergraduate, 2019 - 2020)

Conference/Seminar Talks

- Contributed talk, "The First Billion Years" conference, Aspen Center for Physics, Mar. 2026
- Invited talk, NIRCam GTO meeting, Mar. 2025, Tucson
- Colloquium talk, Steward Observatory/NSF NOIRLab Joint Colloquium, Feb. 2025, Tucson
- Invited talk, MIRI GTO meeting, Oct. 2024, Tucson
- Invited talk, JADES collaboration meeting, Apr. 2024, Copenhagen, Denmark
- Invited talk, 238th AAS, JADES special session, Jun. 2023, Albuquerque
- Invited talk, 238th AAS, UVCANDELS special session, Jan. 2023, Seattle
- Contributed talk, UCSC Summer Galaxy Workshop, Aug. 2022
- Invited talk, Astrophysics seminar at the University of Missouri, Mar. 2022

- Seminar talk, Steward/NOIRLab Galaxy Lunch, Nov. 2021
- Contributed talk, 237th AAS, Jan. 2020
- Poster presentation, IAU Symposium 352, Viana do Castelo, Portugal
- Contributed talk, CANDELS Symposium "The Universe by the Light of CANDELS: Past and Future", Oct. 2018, UMass Amherst

Teaching

- UMass Amherst Teaching Assistant: **Astro-100** *"Exploring the Universe"* (2015, 2020, 2021); **Astro-101** *"Solar System"* (2015); **Astro-170H** *"Cosmos to Humanity–From The Big Bang to the Space Age"* (2020); **Astro-228** *"Galaxies and Stars"* (2016); **Astro-335H** *"Modern Astrophysics"* (2018).

Additional Experience

Programming language: Python, R, IDL
High performance computing: The Massachusetts Green High Performance Computing Center (MGHPCC); University of Arizona High Performance Computing
Machine learning: Pytorch

Publications (As of October 2025)

General statistics based on publications as of October 2025:
Total number of papers: 157 (ten first-author; five second/third-author)
Total citations: 9777
h-index: 52
The full list of publications can be found at this link.

First-author papers (7 in press, 3 under revision)

10. **Ji, Zhiyuan**, Williams, C. C., Rieke, G. H., et al., *"The Importance of Dust Distribution in Ionizing-photon Escape: NIRCam and MIRI Imaging of a Lyman Continuum-emitting Galaxy at z ∼3.8"*, 2025, ApJL, 988, 69

9. **Ji, Zhiyuan**, Williams, C. C., Rieke, G. H., et al., *"Extended hot dust emission around the earliest massive quiescent galaxy"*, 2024, Nature submitted

8. **Ji, Zhiyuan**, Giavalisco, M., *"Reconstructing the Assembly of Massive Galaxies. III: Quiescent Galaxies Loose Angular Momentum as They Evolve in a Mass-dependent Fashion'*, 2024, ApJ submitted

7. **Ji, Zhiyuan**, Williams, C. C., Suess, K. A., et al., *"JADES: Rest-frame UV-to-NIR Size Evolution of Massive Quiescent Galaxies from Redshift z=5 to z=0.5"*, 2024, ApJ submitted

6. **Ji, Zhiyuan**, Williams, C. C., Tacchella, S. , et al., *"JADES + JEMS: A Detailed Look at the Buildup of Central Stellar Cores and Suppression of Star Formation in Galaxies at Redshifts* $3 < z < 4.5$*"*, 2024, ApJ, 974, 1, 135

5. **Ji, Zhiyuan**, Giavalisco, M., *"Reconstructing the Assembly of Massive Galaxies. II. Galaxies Develop Massive and Dense Stellar Cores as They Evolve and Head toward Quiescence at Cosmic Noon"*, 2023, ApJ, 943, 54

4. **Ji, Zhiyuan**, Giavalisco, M., *"Reconstructing the Assembly of Massive Galaxies. I: The Importance of the Progenitor Effect in the Observed Properties of Quiescent Galaxies at* $z \approx 2$*"*, 2022, ApJ, 935, 120

3. **Ji, Zhiyuan**, Giavalisco, M., Kirkpatrick, A., Kocevski, D., et al., *"AGN Selection Methods Have Profound Impacts on the Distributions of Host Galaxy Properties"*, 2022, ApJ, 925, 74

2. **Ji, Zhiyuan**, Giavalisco, M., Vanzella, E., Siana, B., et al., *"HST Imaging of the Ionizing Radiation from a Star-forming Galaxy at z = 3.794"*, 2020, ApJ, 888, 109

1. **Ji, Zhiyuan**, Giavalisco, M., Williams, C. C., Faber, S. M., et al., *"Evidence of Environmental Quenching at Redshift* $z \approx 2$*"*, 2018, ApJ, 862, 135

Second-/third-author papers (4 in press, 1 under revision)

5. Zhu, Y., Rieke, M. J., **Ji, Zhiyuan**, et al., *"A Systematic Search for Galaxies with Extended Emission Lines and Potential Outflows in JADES Medium-band Images"*, 2025, ApJ, 986, 162

4. Sun, Y., **Ji, Zhiyuan**, et al., *"Extreme Neutral Outflow in a non-AGN Quiescent Galaxy at z~1.3"*, 2025, ApJ submitted

3. Woodrum, C., Rieke, M. J., **Ji, Zhiyuan**, et al., *"Using JADES NIRCam photometry to investigate the dependence of stellar mass inferences on the IMF in the early universe"*, 2024, PNAS, 121, 42

2. Williams, C. C., Alberts, S., **Ji, Zhiyuan**, et al., *"The Galaxies Missed by Hubble and ALMA: The Contribution of Extremely Red Galaxies to the Cosmic Census at* $3 < z < 8$*"*, 2024, ApJ, 968, 34

1. Cutler, S. E., Giavalisco, M., **Ji, Zhiyuan**, et al., *"The Differential Assembly History of the Centers and Outskirts of Main-sequence Galaxies at z~2.3"*, 2023, ApJ, 945, 97

Other papers

142. Carr, C., Cen, R., McCandliss, S., et al. **include Ji, Zhiyuan** (2025), *"Supernovae Driven Winds Impede Lyman Continuum Escape from Dwarf Galaxies in First 10 Myr"*, arXiv e-prints, arXiv:2510.21197.

141. Curtis-Lake, E., Cameron, A. J., Bunker, A. J., et al. **include Ji, Zhiyuan** (2025), *"JADES Data Release 4 Paper I: Sample Selection, Observing Strategy and Redshifts of the complete spectroscopic sample"*, arXiv e-prints, arXiv:2510.01033.

140. Scholtz, J., Carniani, S., Parlanti, E., et al. **include Ji, Zhiyuan** (2025), *"JADES Data Release 4 – Paper II: Data reduction, analysis and emission-line fluxes of the complete spectroscopic sample"*, arXiv e-prints, arXiv:2510.01034.

139. Whitler, L., Stark, D. P., Topping, M. W., et al. **include Ji, Zhiyuan** (2025), *"The $z \gtrsim 9$ Galaxy UV Luminosity Function from the JWST Advanced Deep Extragalactic Survey: Insights into Early Galaxy Evolution and Reionization"*, ApJ, 992, 63.

138. Rinaldi, P., Bonaventura, N., Rieke, G. H., et al. **include Ji, Zhiyuan** (2025), *"Not Just a Dot: The Complex UV Morphology and Underlying Properties of Little Red Dots"*, ApJ, 992, 71.

137. Roy, N., Heckman, T., Henry, A., et al. **include Ji, Zhiyuan** (2025), *"Lyman Continuum Leakage from Massive Leaky Starbursts: A Different Class of Emitters?"*, ApJ, 992, 91.

136. Danhaive, A. L., Tacchella, S., McClymont, W., et al. **include Ji, Zhiyuan** (2025), *"Beyond the stars: Linking Hα sizes, kinematics, and star formation in galaxies at $z \approx 4-6$ with JWST grism surveys and `geko`"*, arXiv e-prints, arXiv:2510.06315.

135. D'Eugenio, F., Nelson, E. J., Eisenstein, D. J., et al. **include Ji, Zhiyuan** (2025), *"JADES Dark Horse: demonstrating high-multiplex observations with JWST/NIRSpec dense-shutter spectroscopy in the JADES Origins Field"*, arXiv e-prints, arXiv:2510.11626.

134. Le Reste, A., Scarlata, C., Hayes, M. J., et al. **include Ji, Zhiyuan** (2025), *"The Lyα and Continuum Origins Survey. I. Survey Description and Lyα Imaging"*, ApJS, 280, 27.

133. Florian, M. K., Rieke, G. H., Alberts, S., et al. **include Ji, Zhiyuan** (2025), *"Extended Star Formation in Luminous Infrared Galaxies at $z \sim 1$ in the SMILES Field"*, ApJ, 990, 102.

132. Zhou, L., Wang, T., Daddi, E., et al. **include Ji, Zhiyuan** (2025), *"Noema formIng Cluster survEy (NICE): A census of star formation and cold gas properties in massive protoclusters at $1.5 < z < 4$"*, A&A, 701, A234.

131. Ji, X., Maiolino, R., Ferland, G., et al. **include Ji, Zhiyuan** (2025), *"JADES – the small blue bump in GN-z11: insights into the nuclear region of a galaxy at z = 10.6"*, MNRAS, 541, 2134-2161.

130. Zhu, Y., Bonaventura, N., Sun, Y., et al. **include Ji, Zhiyuan** (2025), *"SMILES Data Release II: Probing Galaxy Evolution during Cosmic Noon and Beyond with NIRSpec Medium-Resolution Spectra"*, arXiv e-prints, arXiv:2508.12599.

129. Zhu, Y., Egami, E., Fan, X., et al. **include Ji, Zhiyuan** (2025), *"Quasar Radiative Feedback May Suppress Galaxy Growth on Intergalactic Scales at $z = 6.3$"*, arXiv e-prints, arXiv:2509.00153.

128. Simmonds, C., Tacchella, S., McClymont, W., et al. **include Ji, Zhiyuan** (2025), *"Bursting at the seams: the star-forming main sequence and its scatter at z=3-9 using NIRCam photometry from JADES"*, arXiv e-prints, arXiv:2508.04410.

127. Isobe, Y., Maiolino, R., D'Eugenio, F., et al. **include Ji, Zhiyuan** (2025), *"JADES: nitrogen enhancement in high-redshift broad-line active galactic nuclei"*, MNRAS, 541, L71-L79.

126. Ivey, L. R., Scholtz, J., Danhaive, A. L., et al. **include Ji, Zhiyuan** (2025), *"Exploring Spatially-Resolved Metallicities, Dynamics and Outflows in Low-Mass Galaxies at $z \sim 7.6$"*, arXiv e-prints, arXiv:2507.14936.

125. Rinaldi, P., Rieke, G. H., Wu, Z., et al. **include Ji, Zhiyuan** (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.

124. Puskás, D., Tacchella, S., Simmonds, C., et al. **include Ji, Zhiyuan** (2025), *"Constraining the major merger history of z ~3-9 galaxies using JADES: dominant in situ star formation"*, MNRAS, 540, 2146-2175.

123. Laseter, I. H., Maseda, M. V., Simmonds, C., et al. **include Ji, Zhiyuan** (2025), *"Efficient Ionizers with Low Hβ + [O III] Equivalent Widths: JADES Spectroscopy of a Peculiar High-redshift Population"*, ApJ, 988, 73.

122. Weibel, A., Oesch, P. A., Williams, C. C., et al. **include Ji, Zhiyuan** (2025), *"Exploring Cosmic Dawn with PANORAMIC I: The Bright End of the UVLF at $z \sim 9-17$"*, arXiv e-prints, arXiv:2507.06292.

121. Rieke, G. H., Buiten, V. A., Goldberg, C. E., et al. **include Ji, Zhiyuan** (2025), *"Low Accretion Rates in Black Holes in Late-stage Merger Ultraluminous Infrared Galaxies"*, ApJ, 988, 17.

120. Helton, J. M., Alberts, S., Rieke, G. H., et al. **include Ji, Zhiyuan** (2025), *"The Stellar Populations and Rest-Frame Colors of Star-Forming Galaxies at $z \approx 8$: Exploring the Impact of Filter Choice and Star Formation History Assumption with JADES"*, arXiv e-prints, arXiv:2506.02099.

119. Komarova, L., Oey, S., Marques-Chaves, R., et al. **include Ji, Zhiyuan** (2025), *"Power-law Emission-line Wings and Radiation-Driven Superwinds in Local Lyman Continuum Emitters"*, arXiv e-prints, arXiv:2506.19623.

118. Tacchella, S., McClymont, W., Scholtz, J., et al. **include Ji, Zhiyuan** (2025), *"Resolving the nature and putative nebular emission of GS9422: an obscured AGN without exotic stars"*, MNRAS, 540, 851-870.

117. Zhu, Y., Alberts, S., Lyu, J., et al. **include Ji, Zhiyuan** (2025), *"SMILES: Potentially Higher Ionizing Photon Production Efficiency in Overdense Regions"*, ApJ, 986, 18.

116. Pascalau, R. G., D'Eugenio, F., Tacchella, S., et al. **include Ji, Zhiyuan** (2025), *"When relics were made: vigorous stellar rotation and low dark matter content in the massive ultra-compact galaxy GS-9209 at z=4.66"*, arXiv e-prints, arXiv:2505.06349.

115. Lin, X., Fan, X., Sun, F., et al. **include Ji, Zhiyuan** (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.

114. Baker, W. M., Lim, S., D'Eugenio, F., et al. **include Ji, Zhiyuan** (2025), *"The abundance and nature of high-redshift quiescent galaxies from JADES spectroscopy and the FLAMINGO simulations"*, MNRAS, 539, 557-589.

113. Helton, J. M., Rieke, G. H., Alberts, S., et al. **include Ji, Zhiyuan** (2025), *"Photometric detection at 7.7 μm of a galaxy beyond redshift 14 with JWST/MIRI"*, Nature Astronomy, 9, 729-740.

112. Li, J.-T., Yu, X., Mao, H., et al. **include Ji, Zhiyuan** (2025), *"Probing the He II re-Ionization ERa via Absorbing C IV Historical Yield (HIERACHY). II. Project Design, Current Status, and Examples of Initial Data Products"*, ApJ, 985, 63.

111. Flury, S. R., Jaskot, A. E., Saldana-Lopez, A., et al. **include Ji, Zhiyuan** (2025), *"The Low-redshift Lyman Continuum Survey: The Roles of Stellar Feedback and Interstellar Medium Geometry in LyC Escape"*, ApJ, 985, 128.

110. Scholtz, J., Maiolino, R., D'Eugenio, F., et al. **include Ji, Zhiyuan** (2025), *"JADES: A large population of obscured, narrow-line active galactic nuclei at high redshift"*, A&A, 697, A175.

109. Curti, M., Witstok, J., Jakobsen, P., et al. **include Ji, Zhiyuan** (2025), *"JADES: The star formation and chemical enrichment history of a luminous galaxy at* $z \sim 9.43$ *probed by ultra-deep JWST/NIRSpec spectroscopy"*, A&A, 697, A89.

108. Looser, T. J., D'Eugenio, F., Maiolino, R., et al. **include Ji, Zhiyuan** (2025), *"JADES: Differing assembly histories of galaxies: Observational evidence for bursty star formation histories and (mini-)quenching in the first billion years of the Universe"*, A&A, 697, A88.

107. Lin, X., Egami, E., Sun, F., et al. **include Ji, Zhiyuan** (2025), *"The Luminosity Function and Clustering of Hα Emitting Galaxies at* $z \approx 4-6$ *from a Complete NIRCam Grism Redshift Survey"*, arXiv e-prints, arXiv:2504.08028.

106. Rinaldi, P., Pérez-González, P. G., Rieke, G. H., et al. **include Ji, Zhiyuan** (2025), *"Deciphering the Nature of Virgil: An Obscured AGN Lurking Within an Apparently Normal Lyman-α Emitter During Cosmic Reionization"*, arXiv e-prints, arXiv:2504.01852.

105. Zhu, Y., Rieke, M. J., Ho, L. C., et al. **include Ji, Zhiyuan** (2025), *"Nuclear Winds Drive Cold Gas Outflows on Kiloparsec Scales in Reionization-Era Quasars"*, arXiv e-prints, arXiv:2504.02305.

104. Saldana-Lopez, A., Hayes, M. J., Le Reste, A., et al. **include Ji, Zhiyuan** (2025), *"The Lyman-alpha and Continuum Origins Survey II: the connection between the escape of ionizing radiation and Lyman-alpha halos in star-forming galaxies"*, arXiv e-prints, arXiv:2504.07074.

103. Sun, Y., Rieke, G. H., Lyu, J., et al. **include Ji, Zhiyuan** (2025), *"Evolution of the M_*–M_{BH} Relation from $z \sim 6$ to the Present Epoch"*, ApJ, 983, 165.

102. Xiao, M., Williams, C. C., Oesch, P. A., et al. **include Ji, Zhiyuan** (2025), *"PANORAMIC: Discovery of an ultra-massive grand-design spiral galaxy at $z \sim 5.2$"*, A&A, 696, A156.

101. Carr, C. A., Cen, R., Scarlata, C., et al. **include Ji, Zhiyuan** (2025), *"The Effect of Radiation and Supernovae Feedback on LyC Escape in Local Star-forming Galaxies"*, ApJ, 982, 137.

100. Rutkowski, M. J., Zabelle, B., Hagen, T., et al. **include Ji, Zhiyuan** (2025), *"Recent Star Formation in $0.5 < z < 1.5$ Quiescent Galaxies"*, ApJL, 983, L32.

99. Sun, F., Fudamoto, Y., Lin, X., et al. **include Ji, Zhiyuan** (2025), *"Slitless Areal Pure-Parallel HIgh-Redshift Emission Survey (SAPPHIRES): Early Data Release of Deep JWST/NIRCam Images and Spectra in MACS J0416 Parallel Field"*, arXiv e-prints, arXiv:2503.15587.

98. Scholtz, J., Parlanti, E., Carniani, S., et al. **include Ji, Zhiyuan** (2025), *"Tentative rotation in a galaxy at z∼14 with ALMA"*, arXiv e-prints, arXiv:2503.10751.

97. Fudamoto, Y., Helton, J. M., Lin, X., et al. **include Ji, Zhiyuan** (2025), *"SAPPHIRES: A Galaxy Over-Density in the Heart of Cosmic Reionization at $z = 8.47$"*, arXiv e-prints, arXiv:2503.15597.

96. D'Eugenio, F., Cameron, A. J., Scholtz, J., et al. **include Ji, Zhiyuan** (2025), *"JADES Data Release 3: NIRSpec/Microshutter Assembly Spectroscopy for 4000 Galaxies in the GOODS Fields"*, ApJS, 277, 4.

95. Williams, C. C., Oesch, P. A., Weibel, A., et al. **include Ji, Zhiyuan** (2025), *"The PANORAMIC Survey: Pure Parallel Wide Area Legacy Imaging with JWST/NIRCam"*, ApJ, 979, 140.

94. Wang, X., Teplitz, H. I., Smith, B. M., et al. **include Ji, Zhiyuan** (2025), *"The Lyman Continuum Escape Fraction of Star-forming Galaxies at $2.4 \lesssim z \lesssim 3.0$ from UVCANDELS"*, ApJ, 980, 74.

93. Bonaventura, N., Lyu, J., Rieke, G. H., et al. **include Ji, Zhiyuan** (2025), *"The Relation between AGN and Host-galaxy Properties in the JWST Era. I. Seyferts at Cosmic Noon are Obscured and Disturbed"*, ApJ, 978, 74.

92. Sun, Y., Lyu, J., Rieke, G. H., et al. **include Ji, Zhiyuan** (2025), *"No Evidence for a Significant Evolution of $M_{\rm fk}$–M. Relation in Massive Galaxies up to $z \sim 4$"*, ApJ, 978, 98.

91. Baker, W. M., Tacchella, S., Johnson, B. D., et al. **include Ji, Zhiyuan** (2025), *"A core in a star-forming disc as evidence of inside-out growth in the early Universe"*, Nature Astronomy, 9, 141-154.

90. Nelson, E., Brammer, G., Giménez-Arteaga, C., et al. **include Ji, Zhiyuan** (2024), *"Ionized Gas Kinematics with FRESCO: An Extended, Massive, Rapidly Rotating Galaxy at z = 5.4"*, ApJL, 976, L27.

89. Hainline, K. N., D'Eugenio, F., Jakobsen, P., et al. **include Ji, Zhiyuan** (2024), *"Searching for Emission Lines at z ¿ 11: The Role of Damped Lyα and Hints About the Escape of Ionizing Photons"*, ApJ, 976, 160.

88. Alberts, S., Lyu, J., Shivaei, I., et al. **include Ji, Zhiyuan** (2024), *"SMILES Initial Data Release: Unveiling the Obscured Universe with MIRI Multiband Imaging"*, ApJ, 976, 224.

87. Tripodi, R., D'Eugenio, F., Maiolino, R., et al. **include Ji, Zhiyuan** (2024), *"Spatially resolved emission lines in galaxies at $4 \leq z < 10$ from the JADES survey: Evidence for enhanced central star formation"*, A&A, 692, A184.

86. Simmonds, C., Tacchella, S., Hainline, K., et al. **include Ji, Zhiyuan** (2024), *"Ionizing properties of galaxies in JADES for a stellar mass complete sample: resolving the cosmic ionizing photon budget crisis at the Epoch of Reionization"*, MNRAS, 535, 2998-3019.

85. Saxena, A., Cameron, A. J., Katz, H., et al. **include Ji, Zhiyuan** (2024), *"Hitting the slopes: A spectroscopic view of UV continuum slopes of galaxies reveals a reddening at z ¿ 9.5"*, arXiv e-prints, arXiv:2411.14532.

84. Maiolino, R., Scholtz, J., Curtis-Lake, E., et al. **include Ji, Zhiyuan** (2024), *"JADES: The diverse population of infant black holes at $4 < z < 11$: Merging, tiny, poor, but mighty"*, A&A, 691, A145.

83. Mehta, V., Rafelski, M., Sunnquist, B., et al. **include Ji, Zhiyuan** (2024), *"UVCANDELS: Catalogs of Photometric Redshifts and Galaxy Physical Properties"*, ApJS, 275, 17.

82. Sandles, L., D'Eugenio, F., Maiolino, R., et al. **include Ji, Zhiyuan** (2024), *"JADES: Balmer decrement measurements at redshifts $4 < z < 7$"*, A&A, 691, A305.

81. Alberts, S., Williams, C. C., Helton, J. M., et al. **include Ji, Zhiyuan** (2024), *"To High Redshift and Low Mass: Exploring the Emergence of Quenched Galaxies and Their Environments at $3 < z < 6$ in the Ultra-deep JADES MIRI F770W Parallel"*, ApJ, 975, 85.

80. Jaskot, A. E., Silveyra, A. C., Plantinga, A., et al. **include Ji, Zhiyuan** (2024), *"Multivariate Predictors of Lyman Continuum Escape. II. Predicting Lyman Continuum Escape Fractions for High-redshift Galaxies"*, ApJ, 973, 111.

79. Bunker, A. J., Cameron, A. J., Curtis-Lake, E., et al. **include Ji, Zhiyuan** (2024), *"JADES NIRSpec initial data release for the Hubble Ultra Deep Field: Redshifts and line fluxes of distant galaxies from the deepest JWST Cycle 1 NIRSpec multi-object spectroscopy"*, A&A, 690, A288.

78. Woodrum, C., Williams, C. C., Rieke, M., et al. **include Ji, Zhiyuan** (2024), *"Active Galactic Nuclei in the Green Valley at $z \sim 0.7$"*, ApJ, 974, 305.

77. Helton, J. M., Sun, F., Woodrum, C., et al. **include Ji, Zhiyuan** (2024), *"Identification of High-redshift Galaxy Overdensities in GOODS-N and GOODS-S"*, ApJ, 974, 41.

76. Shivaei, I., Alberts, S., Florian, M., et al. **include Ji, Zhiyuan** (2024), *"A new census of dust and polycyclic aromatic hydrocarbons at z = 0.7–2 with JWST MIRI"*, A&A, 690, A89.

75. Jaskot, A. E., Silveyra, A. C., Plantinga, A., et al. **include Ji, Zhiyuan** (2024), *"Multivariate Predictors of Lyman Continuum Escape. I. A Survival Analysis of the Low-redshift Lyman Continuum Survey"*, ApJ, 972, 92.

74. Endsley, R., Stark, D. P., Whitler, L., et al. **include Ji, Zhiyuan** (2024), *"The star-forming and ionizing properties of dwarf z 6-9 galaxies in JADES: insights on bursty star formation and ionized bubble growth"*, MNRAS, 533, 1111-1142.

73. D'Eugenio, F., Maiolino, R., Carniani, S., et al. **include Ji, Zhiyuan** (2024), *"JADES: Carbon enrichment 350 Myr after the Big Bang"*, A&A, 689, A152.

72. Sun, L., Wang, X., Teplitz, H. I., et al. **include Ji, Zhiyuan** (2024), *"The Ultraviolet Luminosity Function at* $0.6 < z < 1$ *from UVCANDELS"*, ApJ, 972, 8.

71. Carniani, S., Hainline, K., D'Eugenio, F., et al. **include Ji, Zhiyuan** (2024), *"Spectroscopic confirmation of two luminous galaxies at a redshift of 14"*, Nature, 633, 318-322.

70. Nedkova, K. V., Rafelski, M., Teplitz, H. I., et al. **include Ji, Zhiyuan** (2024), *"UVCANDELS: The Role of Dust on the Stellar Mass–Size Relation of Disk Galaxies at* $0.5 \leq z \leq 3.0$*"*, ApJ, 970, 188.

69. Bait, O., Borthakur, S., Schaerer, D., et al. **include Ji, Zhiyuan** (2024), *"Low-redshift Lyman Continuum Survey (LzLCS). Radio continuum properties of low-z Lyman continuum emitters"*, A&A, 688, A198.

68. Robertson, B., Johnson, B. D., Tacchella, S., et al. **include Ji, Zhiyuan** (2024), *"Earliest Galaxies in the JADES Origins Field: Luminosity Function and Cosmic Star Formation Rate Density 300 Myr after the Big Bang"*, ApJ, 970, 31.

67. Leclercq, F., Chisholm, J., King, W., et al. **include Ji, Zhiyuan** (2024), *"Linking Mg II and [O II] spatial distribution to ionizing photon escape in confirmed LyC leakers and non-leakers"*, A&A, 687, A73.

66. Maiolino, R., Übler, H., Perna, M., et al. **include Ji, Zhiyuan** (2024), *"JADES. Possible Population III signatures at z = 10.6 in the halo of GN-z11"*, A&A, 687, A67.

65. Kumari, N., Smit, R., Witstok, J., et al. **include Ji, Zhiyuan** (2024), *"JADES: Physical properties of Lyα and non-Lyα emitters at z ~4.8-9.6"*, arXiv e-prints, arXiv:2406.11997.

64. Pérez-González, P. G., Barro, G., Rieke, G. H., et al. **include Ji, Zhiyuan** (2024), *"What Is the Nature of Little Red Dots and what Is Not, MIRI SMILES Edition"*, ApJ, 968, 4.

63. Jones, G. C., Bunker, A. J., Saxena, A., et al. **include Ji, Zhiyuan** (2024), *"JADES: The emergence and evolution of Lyα emission and constraints on the intergalactic medium neutral fraction"*, A&A, 683, A238.

62. Wang, X., Cheng, C., Ge, J., et al. **include Ji, Zhiyuan** (2024), *"A Strong He II λ1640 Emitter with an Extremely Blue UV Spectral Slope at z = 8.16: Presence of Population III Stars?"*, ApJL, 967, L42.

61. Lyu, J., Alberts, S., Rieke, G. H., et al. **include Ji, Zhiyuan** (2024), *"Active Galactic Nuclei Selection and Demographics: A New Age with JWST/MIRI"*, ApJ, 966, 229.

60. Looser, T. J., D'Eugenio, F., Maiolino, R., et al. **include Ji, Zhiyuan** (2024), *"A recently quenched galaxy 700 million years after the Big Bang"*, Nature, 629, 53-57.

59. Topping, M. W., Stark, D. P., Endsley, R., et al. **include Ji, Zhiyuan** (2024), *"The UV continuum slopes of early star-forming galaxies in JADES"*, MNRAS, 529, 4087-4103.

58. Curti, M., Maiolino, R., Curtis-Lake, E., et al. **include Ji, Zhiyuan** (2024), *"JADES: Insights into the low-mass end of the mass-metallicity-SFR relation at* $3 < z < 10$ *from deep JWST/NIRSpec spectroscopy"*, A&A, 684, A75.

57. Zhou, L., Wang, T., Daddi, E., et al. **include Ji, Zhiyuan** (2024), *"Noema formIng Cluster survEy (NICE): Discovery of a starbursting galaxy group with a radio-luminous core at z = 3.95"*, A&A, 684, A196.

56. de Graaff, A., Rix, H.-W., Carniani, S., et al. **include Ji, Zhiyuan** (2024), *"Ionised gas kinematics and dynamical masses of* $z \gtrsim 6$ *galaxies from JADES/NIRSpec high-resolution spectroscopy"*, A&A, 684, A87.

55. Cheng, Y., Giavalisco, M., Simons, R. C., et al. **include Ji, Zhiyuan** (2024), *"Exploring the Gas-phase Metallicity Gradients of Star-forming Galaxies at Cosmic Noon"*, ApJ, 964, 94.

54. Jones, G. C., Bunker, A. J., Saxena, A., et al. **include Ji, Zhiyuan** (2024), *"JADES: The emergence and evolution of Lyα emission and constraints on the intergalactic medium neutral fraction"*, A&A, 683, A238.

53. Hainline, K. N., Johnson, B. D., Robertson, B., et al. **include Ji, Zhiyuan** (2024), *"The Cosmos in Its Infancy: JADES Galaxy Candidates at z ¿ 8 in GOODS-S and GOODS-N"*, ApJ, 964, 71.

52. Maiolino, R., Scholtz, J., Witstok, J., et al. **include Ji, Zhiyuan** (2024), *"A small and vigorous black hole in the early Universe"*, Nature, 627, 59-63.

51. Helton, J. M., Sun, F., Woodrum, C., et al. **include Ji, Zhiyuan** (2024), *"The JWST Advanced Deep Extragalactic Survey: Discovery of an Extreme Galaxy Overdensity at z = 5.4 with JWST/NIRCam in GOODS-S"*, ApJ, 962, 124.

50. Amorín, R. O., Rodríguez-Henríquez, M., Fernández, V., et al. **include Ji, Zhiyuan** (2024), *"Ubiquitous broad-line emission and the relation between ionized gas outflows and Lyman continuum escape in Green Pea galaxies"*, A&A, 682, L25.

49. Witstok, J., Smit, R., Saxena, A., et al. **include Ji, Zhiyuan** (2024), *"Inside the bubble: exploring the environments of reionisation-era Lyman-α emitting galaxies with JADES and FRESCO"*, A&A, 682, A40.

48. Wang, X., Teplitz, H. I., Sun, L., et al. **include Ji, Zhiyuan** (2024), *"Ultraviolet and Blue Optical Imaging of UVCANDELS"*, Research Notes of the American Astronomical Society, 8, 26.

47. Laseter, I. H., Maseda, M. V., Curti, M., et al. **include Ji, Zhiyuan** (2024), *"JADES: Detecting [OIII]λ4363 emitters and testing strong line calibrations in the high-z Universe with ultra-deep JWST/NIRSpec spectroscopy up to z ∼ 9.5"*, A&A, 681, A70.

46. Sun, F., Helton, J. M., Egami, E., et al. **include Ji, Zhiyuan** (2024), *"JADES: Resolving the Stellar Component and Filamentary Overdense Environment of Hubble Space Telescope (HST)-dark Submillimeter Galaxy HDF850.1 at z = 5.18"*, ApJ, 961, 69.

45. Rieke, M. J., Robertson, B., Tacchella, S., et al. **include Ji, Zhiyuan** (2023), *"JADES Initial Data Release for the Hubble Ultra Deep Field: Revealing the Faint Infrared Sky with Deep JWST NIRCam Imaging"*, ApJS, 269, 16.

44. Eisenstein, D. J., Johnson, B. D., Robertson, B., et al. **include Ji, Zhiyuan** (2023), *"The JADES Origins Field: A New JWST Deep Field in the JADES Second NIRCam Data Release"*, arXiv e-prints, arXiv:2310.12340.

43. Li, Z., Cai, Z., Sun, F., et al. **include Ji, Zhiyuan** (2023), *"MAGNIF: A Tentative Lensed Rotating Disk at z = 8.34 detected by JWST NIRCam WFSS with Dynamical Forward Modeling"*, arXiv e-prints, arXiv:2310.09327.

42. Saxena, A., Robertson, B. E., Bunker, A. J., et al. **include Ji, Zhiyuan** (2023), *"JADES: Discovery of extremely high equivalent width Lyman-α emission from a faint galaxy within an ionized bubble at z = 7.3"*, A&A, 678, A68.

41. Suess, K. A., Williams, C. C., Robertson, B., et al. **include Ji, Zhiyuan** (2023), *"Minor Merger Growth in Action: JWST Detects Faint Blue Companions around Massive Quiescent Galaxies at 0.5 ≤ z ≤ 3.0"*, ApJL, 956, L42.

40. Martin, A., Guo, Y., Wang, X., et al. **include Ji, Zhiyuan** (2023), *"UV-bright Star-forming Clumps and Their Host Galaxies in UVCANDELS at 0.5 ≤ z ≤ 1"*, ApJ, 955, 106.

39. Williams, C. C., Tacchella, S., Maseda, M. V., et al. **include Ji, Zhiyuan** (2023), *"JEMS: A Deep Medium-band Imaging Survey in the Hubble Ultra Deep Field with JWST NIRCam and NIRISS"*, ApJS, 268, 64.

38. Bunker, A. J., Saxena, A., Cameron, A. J., et al. **include Ji, Zhiyuan** (2023), *"JADES NIRSpec Spectroscopy of GN-z11: Lyman-α emission and possible enhanced nitrogen abundance in a z = 10.60 luminous galaxy"*, A&A, 677, A88.

37. Witstok, J., Shivaei, I., Smit, R., et al. **include Ji, Zhiyuan** (2023), *"Carbonaceous dust grains seen in the first billion years of cosmic time"*, Nature, 621, 267-270.

36. Cameron, A. J., Saxena, A., Bunker, A. J., et al. **include Ji, Zhiyuan** (2023), *"JADES: Probing interstellar medium conditions at z ∼ 5.5-9.5 with ultra-deep JWST/NIRSpec spectroscopy"*, A&A, 677, A115.

35. Simmonds, C., Tacchella, S., Maseda, M., et al. **include Ji, Zhiyuan** (2023), *"The ionizing photon production efficiency at z 6 for Lyman-alpha emitters using JEMS and MUSE"*, MNRAS, 523, 5468-5486.

34. Mehta, V., Teplitz, H. I., Scarlata, C., et al. **include Ji, Zhiyuan** (2023), *"A Spatially Resolved Analysis of Star Formation Burstiness by Comparing UV and Hα in Galaxies at z ∼ 1 with UVCANDELS"*, ApJ, 952, 133.

33. Sandles, L., D'Eugenio, F., Helton, J. M., et al. **include Ji, Zhiyuan** (2023), *"JADES: deep spectroscopy of a low-mass galaxy at redshift 2.3 quenched by environment"*, arXiv e-prints, arXiv:2307.08633.

32. Estrada-Carpenter, V., Papovich, C., Momcheva, I., et al. **include Ji, Zhiyuan** (2023), *"CLEAR: The Morphological Evolution of Galaxies in the Green Valley"*, ApJ, 951, 115.

31. Tacchella, S., Johnson, B. D., Robertson, B. E., et al. **include Ji, Zhiyuan** (2023), *"JWST NIRCam + NIRSpec: interstellar medium and stellar populations of young galaxies with rising star formation and evolving gas reservoirs"*, MNRAS, 522, 6236-6249.

30. Sattari, Z., Mobasher, B., Chartab, N., et al. **include Ji, Zhiyuan** (2023), *"Fraction of Clumpy Star-forming Galaxies at 0.5 ≤ z ≤ 3 in UVCANDELS: Dependence on Stellar Mass and Environment"*, ApJ, 951, 147.

29. Tacchella, S., Eisenstein, D. J., Hainline, K., et al. **include Ji, Zhiyuan** (2023), *"JADES Imaging of GN-z11: Revealing the Morphology and Environment of a Luminous Galaxy 430 Myr after the Big Bang"*, ApJ, 952, 74.

28. Saldana-Lopez, A., Schaerer, D., Chisholm, J., et al. **include Ji, Zhiyuan** (2023), *"The VANDELS survey: the ionizing properties of star-forming galaxies at 3 ≤ z ≤ 5 using deep rest-frame ultraviolet spectroscopy"*, MNRAS, 522, 6295-6325.

27. Eisenstein, D. J., Willott, C., Alberts, S., et al. **include Ji, Zhiyuan** (2023), *"Overview of the JWST Advanced Deep Extragalactic Survey (JADES)"*, arXiv e-prints, arXiv:2306.02465.

26. Robertson, B. E., Tacchella, S., Johnson, B. D., et al. **include Ji, Zhiyuan** (2023), *"Identification and properties of intense star-forming galaxies at redshifts z ¿ 10"*, Nature Astronomy, 7, 611-621.

25. Cleri, N. J., Yang, G., Papovich, C., et al. **include Ji, Zhiyuan** (2023), *"CLEAR: High-ionization [Ne V] λ3426 Emission-line Galaxies at* $1.4 < z < 2.3$*"*, ApJ, 948, 112.

24. Simons, R. C., Papovich, C., Momcheva, I. G., et al. **include Ji, Zhiyuan** (2023), *"CLEAR: Survey Overview, Data Analysis, and Products"*, ApJS, 266, 13.

23. Zabelle, B., Scarlata, C., Mehta, V., et al. **include Ji, Zhiyuan** (2023), *"Investigating the Dominant Environmental Quenching Process in UVCANDELS/COSMOS Groups"*, ApJ, 947, 17.

22. Zabelle, B., Scarlata, C., Mehta, V., et al. **include Ji, Zhiyuan** (2023), *"Investigating the Dominant Environmental Quenching Process in UVCANDELS/COSMOS Groups"*, ApJ, 947, 17.

21. Calzetti, D., Linden, S. T., McQuaid, T., et al. **include Ji, Zhiyuan** (2023), *"Dust-buried Compact Sources in the Dwarf Galaxy NGC 4449"*, ApJ, 946, 1.

20. Xu, X., Henry, A., Heckman, T., et al. **include Ji, Zhiyuan** (2023), *"The Low-redshift Lyman Continuum Survey: Optically Thin and Thick Mg II Lines as Probes of Lyman Continuum Escape"*, ApJ, 943, 94.

19. Robertson, B. E., Tacchella, S., Johnson, B. D., et al. **include Ji, Zhiyuan** (2023), *"Morpheus Reveals Distant Disk Galaxy Morphologies with JWST: The First AI/ML Analysis of JWST Images"*, ApJL, 942, L42.

18. Backhaus, B. E., Bridge, J. S., Trump, J. R., et al. **include Ji, Zhiyuan** (2023), *"CLEAR: Spatially Resolved Emission Lines and Active Galactic Nuclei at* $0.6 < z < 1.3$*"*, ApJ, 943, 37.

17. Chisholm, J., Saldana-Lopez, A., Flury, S., et al. **include Ji, Zhiyuan** (2022), *"The far-ultraviolet continuum slope as a Lyman Continuum escape estimator at high redshift"*, MNRAS, 517, 5104-5120.

16. Papovich, C., Simons, R. C., Estrada-Carpenter, V., et al. **include Ji, Zhiyuan** (2022), *"CLEAR: The Ionization and Chemical-enrichment Properties of Galaxies at* $1.1 < z < 2.3$*"*, ApJ, 937, 22.

15. Matharu, J., Papovich, C., Simons, R. C., et al. **include Ji, Zhiyuan** (2022), *"CLEAR: The Evolution of Spatially Resolved Star Formation in Galaxies between* $0.5 \lesssim z \lesssim 1.7$ *Using Hα Emission Line Maps"*, ApJ, 937, 16.

14. Marques-Chaves, R., Schaerer, D., Amorín, R. O., et al. **include Ji, Zhiyuan** (2022), *"No correlation of the Lyman continuum escape fraction with spectral hardness"*, A&A, 663, L1.

13. Saldana-Lopez, A., Schaerer, D., Chisholm, J., et al. **include Ji, Zhiyuan** (2022), *"The Low-Redshift Lyman Continuum Survey. Unveiling the ISM properties of low-z Lyman-continuum emitters"*, A&A, 663, A59.

12. Begley, R., Cullen, F., McLure, R. J., et al. **include Ji, Zhiyuan** (2022), *"The VANDELS survey: a measurement of the average Lyman-continuum escape fraction of star-forming galaxies at z = 3.5"*, MNRAS, 513, 3510-3525.

11. Xu, X., Henry, A., Heckman, T., et al. **include Ji, Zhiyuan** (2022), *"Tracing Lyα and LyC Escape in Galaxies with Mg II Emission"*, ApJ, 933, 202.

10. Jung, I., Papovich, C., Finkelstein, S. L., et al. **include Ji, Zhiyuan** (2022), *"CLEAR: Boosted Lyα Transmission of the Intergalactic Medium in UV-bright Galaxies"*, ApJ, 933, 87.

9. Flury, S. R., Jaskot, A. E., Ferguson, H. C., et al. **include Ji, Zhiyuan** (2022), *"The Low-redshift Lyman Continuum Survey. I. New, Diverse Local Lyman Continuum Emitters"*, ApJS, 260, 1.

8. Flury, S. R., Jaskot, A. E., Ferguson, H. C., et al. **include Ji, Zhiyuan** (2022), *"The Low-redshift Lyman Continuum Survey. II. New Insights into LyC Diagnostics"*, ApJ, 930, 126.

7. Cleri, N. J., Trump, J. R., Backhaus, B. E., et al. **include Ji, Zhiyuan** (2022), *"CLEAR: Paschen-β Star Formation Rates and Dust Attenuation of Low-redshift Galaxies"*, ApJ, 929, 3.

6. Backhaus, B. E., Trump, J. R., Cleri, N. J., et al. **include Ji, Zhiyuan** (2022), *"CLEAR: Emission-line Ratios at Cosmic High Noon"*, ApJ, 926, 161.

5. Simons, R. C., Papovich, C., Momcheva, I., et al. **include Ji, Zhiyuan** (2021), *"CLEAR: The Gas-phase Metallicity Gradients of Star-forming Galaxies at* $0.6 < z < 2.6$*"*, ApJ, 923, 203.

4. Hatcher, C., Kirkpatrick, A., Fornasini, F., et al. **include Ji, Zhiyuan** (2021), *"Where Do Obscured AGN Fit in a Galaxy's Timeline?"*, AJ, 162, 65.

3. Wang, B., Heckman, T. M., Amorín, R., et al. **include Ji, Zhiyuan** (2021), *"The Low-redshift Lyman-continuum Survey: [S II] Deficiency and the Leakage of Ionizing Radiation"*, ApJ, 916, 3.

2. Dekel, A., Lapiner, S., Ginzburg, O., et al. **include Ji, Zhiyuan** (2020), *"Origin of star-forming rings around massive centres in massive galaxies at* $z < 4$*"*, MNRAS, 496, 5372-5398.

1. Liu, T., Tozzi, P., Wang, J.-X., et al. **include Ji, Zhiyuan** (2017), *"X-Ray Spectral Analyses of AGNs from the 7Ms Chandra Deep Field-South Survey: The Distribution, Variability, and Evolutions of AGN Obscuration"*, ApJS, 232, 8.