

## Publication List of Fan Zou

8 first-author articles, 10 contributing-author articles, and 3 submitted manuscripts  
Sept. 2024

### First-author articles

1. **F. Zou**, W. N. Brandt, E. Gallo, B. Luo, Q. Ni, Y. Xue, Z. Yu, 2024, *The Astrophysical Journal*, in press  
*The Cosmic Evolution of the Supermassive Black Hole Population: A Hybrid Observed Accretion and Simulated Mergers Approach* (29 pages)
2. **F. Zou**, Z. Yu, W. N. Brandt, H. Tak, G. Yang, Q. Ni, 2024, *The Astrophysical Journal*, 964, 183  
*Mapping the Growth of Supermassive Black Holes as a Function of Galaxy Stellar Mass and Redshift* (22 pages)
3. **F. Zou**, W. N. Brandt, Q. Ni, S. Zhu, D. M. Alexander, F. E. Bauer, C.-T. J. Chen, B. Luo, M. Sun, C. Vignali, F. Vito, Y. Xue, W. Yan, 2023, *The Astrophysical Journal*, 950, 136  
*Identification and Characterization of a Large Sample of Distant Active Dwarf Galaxies in XMM-SERVS* (27 pages)
4. **F. Zou**, W. N. Brandt, C.-T. Chen, J. Leja, Q. Ni, W. Yan, G. Yang, S. Zhu, B. Luo, K. Nyland, F. Vito, Y. Xue, 2022, *The Astrophysical Journal Supplement Series*, 262, 15  
*Spectral Energy Distributions in Three Deep-Drilling Fields of the Vera C. Rubin Observatory Legacy Survey of Space and Time: Source Classification and Galaxy Properties* (41 pages)
5. **F. Zou**, W. N. Brandt, M. Lacy, Q. Ni, K. Nyland, G. Yang, F. E. Bauer, G. Covone, A. Grado, N. R. Napolitano, M. Paolillo, M. Radovich, M. Spavone, M. Vaccari, 2021, *Research Notes of the AAS*, 5, 31  
*A Multi-band Forced-photometry Catalog in the ELAIS-S1 Field* (8 pages)
6. **F. Zou**, G. Yang, W. N. Brandt, Q. Ni, F. E. Bauer, G. Covone, M. Lacy, N. R. Napolitano, K. Nyland, M. Paolillo, M. Radovich, M. Spavone, M. Vaccari, 2021, *Research Notes of the AAS*, 5, 56  
*Photometric Redshifts in the W-CDF-S and ELAIS-S1 Fields Based on Forced Photometry from 0.36 to 4.5 Microns* (6 pages)
7. **F. Zou**, W. N. Brandt, F. Vito, C.-T. Chen, G. P. Garmire, D. Stern, A. Ayubinia, 2020, *Monthly Notices of the Royal Astronomical Society*, 499, 1823  
*X-ray properties of dust-obscured galaxies with broad optical/UV emission lines* (18 pages)
8. **F. Zou**, G. Yang, W. N. Brandt, Y. Xue, 2019, *The Astrophysical Journal*, 878, 11  
*The Host-Galaxy Properties of Type 1 versus Type 2 Active Galactic Nuclei* (13 pages)

## Contributing-author articles

1. N. Cristello, **F. Zou**, W. N. Brandt, C.-T. J. Chen, J. Leja, Q. Ni, G. Yang, 2024, *The Astrophysical Journal*, 962, 156  
*Investigating the Star Formation Rates of Active Galactic Nucleus Hosts Relative to the Star-forming Main Sequence* (12 pages)
2. S. Wang, W. N. Brandt, B. Luo, Z. Yu, **F. Zou**, J. Huang, Q. Ni, F. Vito, 2024, *The Astrophysical Journal*, in press  
*The Remarkable X-ray Spectra and Variability of the Ultraluminous Weak-Line Quasar SDSS J1521+5202* (11 pages)
3. A. Ayubinia, Y. Xue, H. A. N. Le, **F. Zou**, S. Wang, Z. He, E. Kilerci, 2023, *The Astrophysical Journal*, 951, 7  
*Investigation of Stellar Kinematics and Ionized gas Outflows in Local [U]LIRGs* (16 pages)
4. K. Nyland, M. Lacy, W. N. Brandt, G. Yang, Q. Ni, A. Sajina, **F. Zou**, M. Vaccari, 2023, *Research Notes of the AAS*, 7, 33  
*Multi-band Tractor Forced Photometry and Redshifts in the CDFS and XMM-LSS Fields* (4 pages)
5. W. Yan, W. N. Brandt, **F. Zou**, S. Zhu, C.-T. J. Chen, R. C. Hickox, B. Luo, Q. Ni, D. M. Alexander, F. E. Bauer, C. Vignali, F. Vito, 2023, *The Astrophysical Journal*, 951, 27  
*The Most Obscured AGNs in the XMM-SERVS Fields* (10 pages)
6. Z. Yu, **F. Zou**, W. N. Brandt, 2023, *Research Notes of the AAS*, 7, 248  
*Stellar Masses and Star-Formation Rates of Galaxies and AGNs in the eFEDS GAMA09 Field* (6 pages)
7. S. Zhu, W. N. Brandt, **F. Zou**, B. Luo, Q. Ni, Y. Xue, W. Yan, 2023, *Monthly Notices of the Royal Astronomical Society*, 522, 3506  
*Radio AGN Selection and Characterization in Three Deep-Drilling Fields of the Vera C. Rubin Observatory Legacy Survey of Space and Time* (23 pages)
8. S. Fu, W. N. Brandt, **F. Zou**, A. Laor, G. P. Garmire, Q. Ni, J. D. Timlin III, Y. Xue, 2022, *The Astrophysical Journal*, 934, 97  
*The Nature of Luminous Quasars with Very Large C IV Equivalent Widths* (13 pages)
9. Q. Ni, W. N. Brandt, C.-T. Chen, B. Luo, K. Nyland, G. Yang, **F. Zou**, J. Aird, D. M. Alexander, F. E. Bauer, M. Lacy, B. D. Lehmer, L. Mallick, M. Salvato, D. P. Schneider, P. Tozzi, I. Traulsen, M. Vaccari, C. Vignali, F. Vito, Y. Xue, M. Banerji, K. Chow, A. Comastri, A. Del Moro, R. Gilli, J. Mullaney, M. Paolillo, A. Schwobe, O. Shemmer, M. Sun, J. D. Timlin III, J. R. Trump, 2021, *The Astrophysical Journal Supplement Series*, 256, 21  
*The XMM-SERVS survey: XMM-Newton point-source catalogs for the W-CDF-S and ELAIS-S1 fields* (34 pages)

10. F. Vito, W. N. Brandt, B. D. Lehmer, C. Vignali, **F. Zou**, F. E. Bauer, M. Bremer, R. Gilli, R. J. Ivison, C. Spingola, 2020, *Astronomy and Astrophysics*, 642, A149  
*Chandra reveals a luminous Compton-thick QSO powering a Ly $\alpha$  blob in a  $z = 4$  starbursting protocluster* (13 pages)

## Submitted manuscripts

1. N. Cristello, **F. Zou**, W. N. Brandt, Z. Yu, F. Vito, S. Zhu, submitted to *The Astrophysical Journal*  
*An Eddington-Limited Active Galactic Nucleus Hidden in a Dust-Obscured Galaxy at  $z \sim 0.8$*  (12 pages)
2. Z. Yu, W. N. Brandt, **F. Zou**, Z. Zhu, F. E. Bauer, B. Luo, Q. Ni, F. Vito, Y. Xue, submitted to *The Astrophysical Journal*  
*Dust-Obscured Galaxies in the XMM-SERVS Fields: Selection, Multiwavelength Characterization, and Physical Nature* (27 pages)
3. B. Zhang, **F. Zou**, W. N. Brandt, S. Zhu, N. Cristello, Q. Ni, Y. Xue, Z. Yu, submitted to *The Astrophysical Journal*  
*Investigating the Star-Formation Characteristics of Radio Active Galactic Nuclei* (25 pages)