

# Guang Yang

## Publications

### *First-Author*

1. Yang, G.; Boquien, M.; Buat, V.; ... & Papovich, C. (2020) "X-CIGALE: Fitting AGN/galaxy SED from X-ray to infrared" *Monthly Notices of the Royal Astronomical Society*, 491(1), 740
2. Yang, G.; Brandt, W. N.; Zhu, S. F.; ... & Zheng, X. C. (2019) "Searching for fast extragalactic X-ray transients in Chandra surveys" *Monthly Notices of the Royal Astronomical Society*, 487, 4721
3. Yang, G., Brandt, W. N., Alexander, D. M., ... & F.-F. Zhu. (2019) "Evident black hole-bulge coevolution in the distant universe" *Monthly Notices of the Royal Astronomical Society*, 485, 3721
4. Yang, G., Brandt, W. N., B. Darvish, C.-T. J. Chen, ... & J. R. Trump (2018) "Does black-hole growth depend on the cosmic environment?". *Monthly Notices of the Royal Astronomical Society*, 480(1), 1022
5. Yang, G., Brandt, W. N., F. Vito, C-TJ Chen, ... & J.-X. Wang (2018) "Linking black-hole growth with host galaxies: The accretion-stellar mass relation and its cosmic evolution". *Monthly Notices of the Royal Astronomical Society*, 475(2), 1887
6. Yang, G., C-TJ Chen, F. Vito, W. N. Brandt, ... & J.-X. Wang (2017) "Black-Hole Growth is Mainly Linked to Host-Galaxy Stellar Mass rather than Star Formation Rate". *The Astrophysical Journal*, 842(2), 72.
7. Yang, G., Brandt, W. N., Luo, B., Xue, Y. Q., Bauer, F. E., Sun, M. Y., ... & Shemmer, O. (2016). "Long-Term X-ray Variability of Typical Active Galactic Nuclei in the Distant Universe". *The Astrophysical Journal*, 831(2), 145.
8. Yang, G., Xue, Y. Q., Luo, B., Brandt, W. N., Alexander, D. M., Bauer, F. E., ... & Zhou, H. Y. (2014). "Photometric Redshifts in the Hawaii-Hubble Deep Field-North (H-HDF-N)". *The Astrophysical Journal Supplement Series*, 215(2), 27.

### *Second-Author*

1. Ni, Qingling; Yang, Guang; Brandt, William N. ... & Xue, Yongquan "Does black-hole growth depend fundamentally on host-galaxy compactness?", *Monthly Notices of the Royal Astronomical Society*, 490(1), 1135
2. Zou, Fan; Yang, Guang; Brandt, William N. & Xue, Yongquan "The Host-galaxy Properties of Type 1 versus Type 2 Active Galactic Nuclei" *The Astrophysical Journal*, 878, 11

### *Co-Author*

1. Shankar, Francesco; Weinberg, David H.; Marsden, Christopher; ... & Zanisi, Lorenzo (2020) "Probing black hole accretion tracks, scaling relations and radiative efficiencies from stacked X-ray active galactic nuclei", *Monthly Notices of the Royal Astronomical Society*, in press
2. Li, Junyao; Xue, Yongquan; Sun, Mouyuan; & Shu, Xinwen (2019). "Piercing through Highly Obscured and Compton-thick AGNs in the Chandra Deep Fields. I. X-Ray Spectral and Long-term Variability Analyses" *ApJ* 877 (1), 5

3. Xue, Y. Q.; Zheng, X. C.; Li, Y.; & Vito, F. (2019). "A magnetar-powered X-ray transient as the aftermath of a binary neutron-star merger" *Nature*, 568, 198
4. Bowman, William P.; Zeimann, Gregory R.; Ciardullo, Robin; ... & Hagen, Alex "Galaxies of the  $z \sim 2$  Universe. I. Grism-selected Rest-frame Optical Emission-line Galaxies" *ApJ*, 875, 152
5. Ni, Q.; Timlin, J.; Brandt, W. N.; Yang, G. (2019). "Deep Hyper Suprime-Cam Images and a Forced Photometry Catalog in W-CDF-S" *RNAAS* 3 (1), 5
6. Ding, N., Luo, B., Brandt, W. N., Paolillo, M., Yang, G., Lehmer, B. D., ... & Zheng, X. C. (2018). "Variability-selected low-luminosity active galactic nuclei candidates in the 7 Ms Chandra Deep Field-South." *ApJ* 868 (2), 88
7. Brandt, W. N.; Ni, Q.; Yang, G.; & Yu, Z. (2018). "Active Galaxy Science in the LSST Deep-Drilling Fields: Footprints, Cadence Requirements, and Total-Depth Requirements" eprint arXiv:1811.06542
8. Chen, CT J., W. N. Brandt, B. Luo, P. Ranalli, G. Yang, D. M. Alexander, F. E. Bauer et al. (2018) "The XMM-SERVS survey: new XMM-Newton point-source catalogue for the XMM-LSS field." *Monthly Notices of the Royal Astronomical Society* 478 (2), 2132
9. Vito, F.; Brandt, W. N.; Yang, G.; Gilli, R.; Luo, B.; ... & Wang, J. (2018) "High-redshift AGN in the Chandra Deep Fields: the obscured fraction and space density of the sub- $L_*$  population" *Monthly Notices of the Royal Astronomical Society*, 473(2), 2378-2406
10. Zheng, X. C.; Xue, Y. Q.; Brandt, W. N.; Li, J. Y.; Paolillo, M.; Yang, G.; ... & Shu, X. W. (2017) "Deepest View of AGN X-Ray Variability with the 7 Ms Chandra Deep Field-South Survey", *The Astrophysical Journal*, 849(2), 127.
11. Paolillo, M., Papadakis, I., Brandt, W. N., Luo, B., Xue, Y. Q., Tozzi, P., ... & Gilli, R. (2017) "Tracing the accretion history of supermassive Black Holes through X-ray variability: results from the Chandra Deep Field-South." *Monthly Notices of the Royal Astronomical Society*, 471(4), 4398-4411.
12. Liu, T., Tozzi, P., Wang, J. X., Brandt, W. N., Vignali, C., Xue, Y., ... & Paolillo, M. (2017). "X-ray spectral analyses of AGNs from the 7Ms Chandra Deep Field-South survey: the distribution, variability, and evolution of AGN's obscuration". *The Astrophysical Journal Supplement Series*, 232(1), 8.
13. Bauer, Franz E., Ezequiel Treister, Kevin Schawinski, Steve Schulze, B. Luo, D. M. Alexander, W. N. Brandt, ... & Yang, G. (2017) "A New, Faint Population of X-ray Transients". *Monthly Notices of the Royal Astronomical Society*, 467(4), 4841-4857.
14. Luo, B., Brandt, W. N., Xue, Y. Q., B. Lehmer, D. M. Alexander, ... & J.-X. Wang (2017). "The Chandra Deep Field-South Survey: 7 Ms Source Catalogs". *The Astrophysical Journal Supplement Series*, 228(1), 2.
15. Vito, F., Gilli, R., Vignali, C., Brandt, W. N., Comastri, A., Yang, G., ... & Cappelluti, N. (2016). "The deepest X-ray view of high-redshift galaxies: constraints on low-rate black hole accretion". *Monthly Notices of the Royal Astronomical Society*, 463(1), 348-374.
16. Xue, Y. Q., Luo, B., Brandt, W. N., Alexander, D. M., Bauer, F. E., Lehmer, B. D., & Yang, G. (2016). "The 2 Ms Chandra Deep Field-North Survey and the 250 ks Extended Chandra Deep Field-South Survey: Improved Point-Source Catalogs". *The Astrophysical Journal Supplement Series*, 224(2), 15.