

# DONG ZHANG – PUBLICATION LIST

## REFEREED PUBLICATIONS:

summary: **15** published papers, **13** first-author papers

15. *A Review of the Theory of Galactic Winds Driven by Stellar Feedback*  
**Zhang, D.**, 2018, *Galaxies*, 6, 114 (arXiv: 1811.00558)
14. *Numerical Simulations of Supernova Remnants in Turbulent Molecular Clouds*  
**Zhang, D.**, and Chevalier, R. A., 2019, *MNRAS*, 482, 1602 (arXiv: 1807.06603)
13. *Dusty Cloud Acceleration by Radiation Pressure in Rapidly Star-Forming Galaxies*  
**Zhang, D.**, Davis, S. W., Jiang, Y. F., and Stone, J. M., 2018, *ApJ*, 854, 110, (arXiv: 1708.02946)
12. *Radiation Hydrodynamic Simulations of Dust-Driven Winds*  
**Zhang, D.**, and Davis, S. W., 2017, *ApJ*, 839, 54 (arXiv: 1612.00022)
11. *Entrainment in Trouble: Cool Cloud Acceleration and Destruction in Hot Supernova-Driven Galactic Wind*  
**Zhang, D.**, Thompson, T. A., Quataert, E., and Murray, N. 2017, *MNRAS*, 468, 4801 (arXiv: 1507.01951)
10. *An Origin for Multi-Phase Gas in Galactic Winds and Halos*  
Thompson, T. A., Quataert, E., **Zhang, D.**, and Weinberg, D., 2016, *MNRAS*, 455, 1830 (arXiv: 1507.04362)
9. *Hot Galactic Winds Constrained by the X-Ray Luminosities of Galaxies*  
**Zhang, D.**, Thompson, T. A., Murray, N., and Quataert, E., 2014, *ApJ*, 784, 93 (arXiv: 1310.1099)
8. *Radiation Pressure Driven Galactic Winds from Self-Gravitating Disks*  
**Zhang, D.**, and Thompson, T. A., 2012, *MNRAS*, 424, 1170-1178 (arXiv: 1005.4691)
7. *The Very Massive and Hot LMC Star VFTS 682: Progenitor of a Future Dark Gamma-Ray Burst?*  
**Zhang, D.**, and Stanek, K. Z., 2012, *Acta Astronomica*, 62, 23-32 (arXiv: 1112.0016)
6. *Impact of Primordial Ultracompact Minihaloes on the Intergalactic Medium and First Structure Formation*  
**Zhang, D.**, 2011, *MNRAS*, 418, 1850-1872 (arXiv: 1011.1935)
5. *Black Hole Mass Estimates Based on C IV are Consistent with Those Based on the Balmer Lines*  
Assef, R. J., et al. (including **Zhang, D.**), 2011, *ApJ*, 742, 93-118 (arXiv:1009.1145)
4. *Hyperaccreting Disks around Magnetars for Gamma-ray Bursts: Effects of Strong Magnetic Fields*  
**Zhang, D.**, and Dai, Z. G., 2010, *ApJ*, 718, 841-866 (arXiv: 0911.5528)
3. *Hyperaccreting Neutron Star Disks and Neutrino Annihilation*  
**Zhang, D.**, and Dai, Z. G., 2009, *ApJ*, 703, 461- 478, (arXiv: 0901.0431)
2. *Self-similar structure of magnetized advection dominated accretion flows and convection dominated accretion flows*  
**Zhang, D.**, and Dai, Z. G., 2008, *MNRAS*, 388, 1409-1418, (arXiv: 0805.3254)
1. *Hyperaccretion disks around Neutron Stars*  
**Zhang, D.**, and Dai, Z. G., 2008, *ApJ*, 683, 329-345, (arXiv: 0712.0423)

## CONFERENCE PROCEEDINGS

2. *Hyperaccreting Disks around Neutrons Stars and Magnetars for GRBs: Neutrino Annihilation and Strong Magnetic Fields*  
**Zhang, D.**, and Dai, Z. G., in Proceedings of *Deciphering the Ancient Universe with GRBs*, April, 19-23, 2010, Kyoto, Japan, Edited by N. Kawai and S. Nagataki, AIP Conf. Proc. 1279, 271-274 (arXiv: 1009.1634)
1. *Hyperaccreting Neutron Stars and Neutrino-cooled Disks*  
**Zhang, D.**, and Dai, Z. G., in Proceedings of *the International GRB Conference*, June 23-27, 2008, Nanjing, China, Edited by Y.-F. Huang , Z.-G. Dai and B. Zhang, AIP Conf. Proc. 1065, 294-297

## BOOKS

- *On the Theory of Galactic Winds Driven by Supernovae and Radiation*  
**Zhang, D.**, 2016, Lambert Academic Publishing, ISBN: 9783330016491
- *Hyperaccreting Neutron-Star Disks, Magnetic Disks and Gamma-Ray Bursts: Structure, Neutrino Emission, Annihilation, Global Field*  
**Zhang, D.**, 2010, Lambert Academic Publishing, ISBN-10: 3838332199, SBN-13: 978-3838332192 (arXiv: 0906.0842)