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Professional:

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Education:

2003-2007	Chinese Academy of Sciences University	Ph.D.
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Research Interests:

My research interests include formation and evolution of giant molecular cloud, high-mass star formation, triggered star formation, astrophysical masers, astrochemistry, magnetic field in star-forming regions, etc.

Selected Publications:

1. Cloud-cloud collision and star formation in G323.18+0.15， Ma Yingxiu; Zhou Jianjun; Esimbek Jarken. et al. 2022, A&A, 663, A97

2. Investigating Cold Dust Properties of 12 Nearby Dwarf Irregular Galaxies by ierarchical Bayesian Spectral Energy Distribution Fitting， Chang Zhengxue, Zhou Jianjun, Lamporti, et al. 2021, ApJ, 915,51

3. G15.684-0.29: One of the Largest Galactic Infrared Bubbles Showing Strong Evidence of Triggered Star Formation, Zhou Jianjun, Zhou dongdong et al. 2020, ApJ, 897, 74

4. Dissecting the Global Cold Dust Properties and Possible Submillimeter Excess of 13 Nearby Spiral Galaxies from the NGLS, Chang Zhengxue, Zhou Jianjun, Wilson Christine et al. 2020, ApJ, 900, 53

5. Effects of infall and outflow on massive star-forming regions, Li Qiang, Zhou Jianjun, Esimbek Jarken et al. 2019, MNRAS,488, 4, 4638

6. Spatial Variation of the Chemical Properties of Massive Star-forming Clumps, Li, Mingyue; Zhou, Jianjun; Esimbek, Jarken; 2019, ApJS, 243, 13

7. Molecular environs and triggered star formation around the large Galactic infrared bubble N 24, Li Xu, Esimbek Jarken, Zhou Jianjun et al. 2019, MNRAS, 487, 2, 1517

8. High-mass Outflows Identified from COHRS CO (3-2) Survey, Li Qiang, Zhou Jianjun, Esimbek Jarken et al. 2018, ApJ, 867, 167

9. Properties of massive star-forming clumps with infall motions, He Yuxin, Zhou Jianjun, Esimbek Jarken et al. 2016, MNRAS, 461, 3, 2288

10. 22 GHz H2O maser survey towards 221 BGPS sources, Xi Hongwei, Zhou Jianjun, Esimbek Jarken, et al., 2015, MNRAS, 453, 4, 4203

11. Infall motions in massive star-forming regions: results from years 1 and 2 of the MALT90 survey, He Yuxin, Zhou Jianjun, Esimbek Jarken, et al., 2015, MNRAS, 450, 2, 1926

12. Combination of CN(1-0),HCN(1-0),and HNC(1-0): A possible indicator for a high-mass star formation sequence in the Milky Way, Han Xiaohong, Zhou Jianjun, Esimbek Jarken, et al., 2015, A&A, 576, A131, 47

13. Filament L1482 in the California molecular cloud, Li Dalei, Esimbek Jarken, Zhou Jianjun, et al. 2014, A&A, 567A, 10

14. The infrared dust bubble N22: an expanding Hii region and the star formation around it, Ji Weiguang, Zhou Jianjun, Esimbek Jarken, 2012, A&A, 544A, 39

15. A H2CO and H110 α survey of Hii regions with the 25-m radio telescope of Nanshan Station， Du Zhimao, Zhou Jianjun, Esimbek Jarken et al. 2011, A&A, 532, A127