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### RESEARCH INTERESTS

- Large-scale structure and kinematics of molecular clouds
- Star formation in molecular clouds
- Astrochemistry
- Astronomical masers
- Circumstellar envelopes of late-type stars

### EDUCATION

- 09/2009–07/2016 Ph.D. in Astrophysics, [Purple Mountain Observatory](#)  
Thesis: *"A search for triggered star formation and a 1.3 cm spectral line survey"*  
Advisors: Prof. Dr. Rui-qing Mao & Dr. Christian Henkel
- 09/2005–07/2009 B.Sc. in physics, [Central China Normal University](#)

### PROFESSIONAL APPOINTMENTS

- 07/2016–08/2017 Research assistant, [Purple Mountain Observatory](#)  
09/2017–09/2021 Postdoc, [Max-Planck Institut für Radioastronomie](#)  
09/2021– Scientific Staff, [Max-Planck Institut für Radioastronomie](#)

### REFEREED PUBLICATIONS

49. [Gong, Y.](#) ; Henkel, C. ; Menten, K. M. ; R. Chen, C. -H. ; Zhang, Z. Y. ; Yan, Y. T. ; Weiss, A. ; Langer, N. ; Wang, J. Z. ; Mao, R. Q. ; Tang, X. D. ; Yang, W. ; Ao, Y. P. ; Wang, M., A&A, accepted, Sulfur Isotope Ratios in the Large Magellanic Cloud
48. [Gong, Y.](#) ; Du, F. J. ; Henkel, C. ; Jacob, A. M. ; Belloche, A. ; Wang, J. Z. ; Menten, K. M. ; Yang, W. ; Quan, D. H. ; Bop, C. T. ; Ortiz-León, G. N. ; Tang, X. D. ; Rugel, M. R. ; Liu, S., A&A, accepted, Protonated hydrogen cyanide as a tracer of pristine molecular gas
47. [Gong, Y.](#) ; Ortiz-León, G. N. ; Rugel, M. R. ; Menten, K. M. ; Brunthaler, A. ; Wyrowski, F. ; Henkel, C. ; Beuther, H. ; Dzib, S. A. ; Urquhart, J. S. ; Yang, A. Y. ; Pandian, J. D. ; Dokara, R. ; Veena, V. S. ; Nguyen, H. ; Medina, S. -N. X. ; Cotton, W. D. ; Reich, W. ; Winkel, B. ; MÃijller, P. ; Skretas, I. ; Csengeri, T. ; Khan, S. ; Cheema, A., A&A, accepted, A global view on star formation: The GLOSTAR Galactic plane survey VIII. Formaldehyde absorption in Cygnus X

46. Zhou, J. W. ; Wyrowski, F. ; Neupane, S. ; Urquhart, J. S. ; Evans, N. J., II ; Vázquez-Semadeni, E. ; Menten, K. M. ; **Gong, Y.** ; Liu, T.; 2023, A&A, accepted [High-resolution APEX/LAsMA  \$^{12}\text{CO}\$  and  \$^{13}\text{CO}\$  \(3-2\) observation of the G333 giant molecular cloud complex : I. Evidence for gravitational acceleration in hub-filament systems](#)
45. Yang, W. ; **Gong, Y.**; Menten, K. M. ; Urquhart, J. S. ; Henkel, C. ; Wyrowski, F. ; Csengeri, T. ; Ellingsen, S. P. ; Bemis, A. R. ; Jang, J.; 2023, A&A, accepted [ATLASGAL: 3-mm class I methanol masers in high-mass star formation regions](#)
44. Szabó, Zs. M.; **Gong, Y.**; Yang, W.; Menten, K. M.; Bayandina, O. S.; Cyganowski, C. J.; Kóspál, Á.; Ábrahám, P.; Belloche, A.; Wyrowski, F.; 2023, A&A, 674, A202 [The Effelsberg survey of FU Orionis and EX Lupi objects II.  \$\text{H}\_2\text{O}\$  maser observations](#)
43. Gisela N. Ortiz-León; Sergio A. Dzib; Laurent Loinard; **Yan Gong**; Thushara Pillai; Adele Plunkett; 2023, A&A, 673, L1, [The distance to the Serpens South Cluster from  \$\text{H}\_2\text{O}\$  masers](#)
42. Szabó, Zs. M.; **Gong, Y.**; Menten, K. M.; Yang, W.; Cyganowski, C. J.; Kóspál, Á.; Ábrahám, P.; Belloche, A.; Wyrowski, F.; 2023, A&A, 672, A158 [The Effelsberg survey of FU Orionis and EX Lupi objects I. Host environments of FUors/EXors traced by  \$\text{NH}\_3\$](#)
41. Yan, Y. T. ; Henkel, C. ; Kobayashi, C. ; Menten, K. M. ; **Gong, Y.** ; Zhang, J. S. ; Yu, H. Z. ; Yang, K. ; Xie, J. J. ; Wang, Y. X.; 2022, A&A, 670, A98, [Direct measurements of carbon and sulfur isotope ratios in the Milky Way](#)
40. Dokara, R. ; **Gong, Y.**; Reich, W. ; Rugel, M. ; Brunthaler, A. ; Menten, K. ; Cotton, W. ; Dzib, S. ; Khan, S. ; Medina, S. ; Nguyen, H. ; Ortiz-León, G. ; Urquhart, J. ; Wyrowski, F. ; Yang, A. ; Anderson, L. D. ; Beuther, H. ; Csengeri, T. ; MÃijller, P. ; Ott, J. ; Pandian, J. D. ; Roy, N.; 2022, A&A, 671, A145, [A global view on star formation: The GLOSTAR Galactic plane survey. VII. Supernova remnants in the Galactic longitude range  \$28^\circ < l < 36^\circ\$](#)
39. Dzib, S. A. ; Yang, A. Y. ; Urquhart, J. S. ; Medina, S. -N. X. ; Brunthaler, A. ; Menten, K. M. ; Wyrowski, F. ; Cotton, W. D. ; Dokara, R. ; Ortiz-León, G. N. ; Rugel, M. R. ; Nguyen, H. ; **Gong, Y.**; Chakraborty, A. ; Beuther, H. ; Billington, S. J. ; Carrasco-Gonzalez, C. ; Csengeri, T. ; Hofner, P. ; Ott, J. ; Pandian, J. D. ; Roy, N. ; Yanza, V.; 2022, A&A, 670, A9, [A global view on star formation: The GLOSTAR Galactic plane survey. VI. Radio Source Catalog II:  \$28^\circ < l < 36^\circ\$  and  \$|b| < 1^\circ\$ , VLA B-configuration](#)
38. Yan, Y. T. ; Henkel, C. ; Menten, K. M. ; **Gong, Y.**; Nguyen, H. ; Ott, J. ; Ginsburg, A. ; Wilson, T. L. ; Brunthaler, A. ; Belloche, A. ; Zhang, J. S. ; Budaiev, N. ; Jeff, D.; 2022, A&A, 666, L15, [Discovery of non-metastable ammonia masers in Sagittarius B2](#)
37. Nguyen, H. ; Rugel, M. R. ; Murugesan, C. ; Menten, K. M. ; Brunthaler, A. ; Urquhart, J. S. ; Dokara, R. ; Dzib, S. A. ; **Gong, Y.**; Khan, S. ; Medina, S-N. X. ; Ortiz-León, G. N. ; Reich, W. ; Wyrowski, F. ; Yang, A. Y. ; Beuther, H. ; Cotton, W. D. ; Pandian, J. D.; 2022, A&A, 666, A59, [A Global View on Star Formation: The GLOSTAR Galactic Plane Survey V. 6.7 GHz Methanol Maser Catalogue](#)
36. Ladeyschikov, Dmitry A.; **Gong, Yan**; Sobolev, Andrey M.; Menten, Karl M.; Urquhart, James S.; Breen, Shari L.; Shakhvorostova, Nadezhda N.; Bayandina, Olga S.; Tsivilev, Alexander P.; 2022, ApJS, 261, 14, [Water Masers as an Early Tracer of Star Formation](#)
35. Moutzouri, M. ; Mackey, J. ; Carrasco González, C. ; **Gong, Y.** ; Brose, R. ; Zargaryan, D. ; Toalá,

- J. A. ; Menten, K. M. ; Gvaramadze, V. V. ; Rugel, M. R.; 2022, A&A, 663, A80, **And then they were two: detection of non-thermal radio emission from the bow shocks of two runaway stars**
34. Jeste, M.; **Gong, Y.**; Wong, K. T.; Menten, K. M.; Kamiński, T.; Wyrowski, F.; 2022, A&A, 666, A69, **Vibrationally excited HCN transitions in circumstellar envelopes of carbon-rich AGB stars**
33. **Gong, Y.**; Liu, S.; Wang, J. Z.; Zhu, W. S.; Li, G. X.; Yang, W. J.; Sun, J. X.; 2022, A&A, 663, A82, **Widespread subsonic turbulence in Ophiuchus North 1**
32. Yang, W. J. ; Menten, K. M. ; Yang, A. Y.; Wyrowski, F. ; **Gong, Y.** ; Ellingsen, S. P. ; Henkel, C. ; Chen, X. ; Xu, Y.; 2022, A&A, 658, A192, **Redshifted methanol absorption tracing infall motions of high-mass star formation regions**
31. Yan, Y. T. ; Henkel, C. ; Menten, K. M. ; **Gong, Y.** ; Ott, J. ; Wilson, T. L. ; Wootten, A. ; Brunthaler, A. ; Zhang, J. S. ; Chen, J. L. ; Yang, K.; 2022, A&A, 659, A5, **Discovery of ammonia (9,6) masers in two high-mass star-forming regions**
30. Scicluna, P. + 90 authors including (**Gong, Y.**); 2022, MNRAS, 512, 1091, **The Nearby Evolved Stars Survey II: Constructing a volume-limited sample and first results from the James Clerk Maxwell Telescope**
29. Skolidis, R.; Tassis, K. ; Panopoulou, G. V. ; Pineda, J. L. ; **Gong, Y.** ; Mandarakas, N. ; Blinov, D. ; Kiehlmann, S. ; Kypriotakis, J. A.; 2022, A&A, accepted, **HI-H<sub>2</sub> transition: exploring the role of the magnetic field**
28. Tang, X. D. ; Henkel, C. ; Menten, K. M. ; **Gong, Y.** ; Chen, C. -H. R. ; Li, D. L. ; Lee, M. -Y. ; Mangum, J. G. ; Ao, Y. P. ; Mühle, S. ; Aalto, S. ; García-Burillo, S. ; Martín, S. ; Viti, S. ; Muller, S. ; Costagliola, F. ; Asiri, H. ; Levshakov, S. A. ; Spaans, M. ; Ott, J. Impellizzeri, C. M. V. ; Fukui, Y. ; He, Y. X. ; Esimbek, J. ; Zhou, J. J. ; Zheng, X. W. ; Zhao, X. ; Li, J. S.; 2021, A&A, 665, A12, **Kinetic temperature of massive star-forming molecular clumps measured with formaldehyde IV. The ALMA view of N113 and N159W in the LMC**
27. Brunthaler, A.; Menten, K. M.; Dzib, S. A.; Cotton, W. D.; Wyrowski, F.; Dokara, R.; **Gong, Y.**; Medina, S-N. X.; MĀijller, P.; Nguyen, H.; Ortiz-León, G. N.; Reich, W.; Rugel, M. R.; Urquhart, J. S.; Winkel, B.; Yang, A. Y.; Beuther, H.; Billington, S.; Carrasco-Gonzales, C.; Csengeri, T. Murugesan, C.; Pandian, J. D.; Roy, N.; 2021, A&A, 651, A85, **A global view on star formation: The GLOSTAR Galactic Plane Survey. I. Overview and first results for the Galactic longitude range  $28^\circ < l < 36^\circ$  MPIFR/NRAO press release**
26. Ortiz-León, Gisela N.; Plunkett, Adele; Loinard, Laurent; Dzib, Sergio A.; Rodríguez-Garza, Carolina B.; Pillai, Thushara; **Gong, Yan**; Brunthaler, Andreas; 2021, AJ, 162, 68, **Discovery of 22 GHz Water Masers in the Serpens South Region**
25. Ortiz-León, Gisela N.; Menten, Karl M.; Brunthaler, Andreas; Csengeri, Timea; Urquhart, James S.; Wyrowski, Friedrich; **Gong, Yan**; Rugel, Michael R.; Dzib, Sergio A.; Yang, Aiyuan; Nguyen, Hans; Cotton, William D.; Medina, Sac Nicté X.; Dokara, Rohit; Koenig, Carsten; Beuther, Henrik; Pandian, Jagadheep D.; Reich, Wolfgang; Roy, Nirupam; 2021, A&A, 651, A87, **A Global View on Star Formation: The GLOSTAR Galactic Plane Survey III. 6.7 GHz Methanol maser survey in Cygnus X MPIFR/NRAO press release**
24. Nguyen, H.; Rugel, M. R.; Menten, K. M.; Brunthaler, A.; Dzib, S. A.; Yang, A. Y.; Kauffmann, J.; Pillai, T.; Nandakumar, G.; Schultheis, M.; Urquhart, J. S.; Dokara, R.; **Gong, Y.**; Medina, S-N. X.;

Ortiz-León, G. N.; Reich, W.; Wyrowski, F.; Beuther, H.; Cotton, W. D.; Csengeri, T. Pandian, J. D.; Roy, N.; 2021, A&A, 651, A88, [A global view on star formation: The GLOSTAR Galactic plane survey IV. Radio continuum detections of young stellar objects in the Galactic Centre region MPIFR/NRAO press release](#)

23. Dokara, Rohit; Brunthaler, A.; Menten, K. M.; Dzib, S. A.; Reich, W.; Cotton, W. D.; Anderson, L. D.; Chen, C. -H. R.; [Gong, Y.](#); Medina, S. -N. X.; Ortiz-León, G. N.; Rugel, M.; Urquhart, J. S.; Wyrowski, F.; Yang, A. Y.; Beuther, H.; Billington, S. J.; Csengeri, T.; Carrasco-González, C.; Roy, N.; 2021, A&A, 651, A86, [A global view on star formation: The GLOSTAR Galactic plane survey. II. Supernova Remnants in the first quadrant of the Milky Way MPIFR/NRAO press release](#)

22. Li, Fei; Wang, Junzhi; Gao, Feng; Liu, Shu; Zhang, Zhi-Yu; Li, Shanghuo; [Gong, Yan](#); Li, Juan; Shi, Yong; 2021, MNRAS, 503, 4508, [Dense gas in local galaxies revealed by multiple tracers](#)

21. Jacob, A. M.; Menten, K. M.; [Gong, Y.](#); Bergman, P.; Tiwari, M.; Bruenken, S.; Olofsson, A.O.H.; 2021, A&A, 647, A42 [Hunting for the elusive methylene radical, Highlight](#)

20. [Gong, Y.](#); Belloche, A.; Du, F. J.; Menten, K. M.; Henkel, C.; Li, G. X.; Wyrowski, F.; Mao, R. Q.; 2021, A&A, 646, A170, [Physical and chemical structure of the Serpens filament: fast formation and gravity-driven accretion](#)

19. Li, Dalei; Tang, Xindi; Henkel, Christian; Menten, Karl M.; Wyrowski, Friedrich; [Gong, Yan](#); Wu, Gang; He, Yuxin; Esimbek, Jarken; Zhou, Jianjun, 2020, ApJ, 901, 62, [Evidence for dense gas heated by the explosion in Orion KL](#)

18. Chen, Xi; Sobolev, Andrej M.; Ren, Zhi-Yuan; Parfenov, Sergey; Breen, Shari L.; Ellingsen, Simon P.; Shen, Zhi-Qiang; Li, Bin; MacLeod, Gordon C.; Baan, Willem; Brogan, Crystal; Hirota, Tomoya; Hunter, Todd R.; Linz, Hendrik; Menten, Karl; Sugiyama, Koichiro; Stecklum, Bringfried; [Gong, Yan](#); Zheng, Xingwu; 2020, NatAs, 4, 1170, [New maser species tracing spiral-arm accretion flows in a high-mass young stellar object](#)

17. Sanz-Novo, M.; Belloche, A.; Alonso, J. L.; Kolesníková, L.; Garrod, R. T.; Mata, S.; Müller, H. S. P.; Menten, K. M., [Gong, Y.](#); 2020, A&A, 639, A135, [Interstellar glycolamide: A comprehensive rotational study and an astronomical search in Sgr B2\(N\)](#)

16. Su, Y.; Yang, J.; Yan, Q. Z., [Gong, Y.](#); Chen, Z. W.; Zhang, S. B.; Sun, Y.; Zhang, M. M.; Chen, X. P.; Zhou, X.; Wang, M.; Wang, H. C.; Xu, Y.; Jiang, Z. B., 2020, ApJ, 893, 91, [Local molecular gas toward the Aquila Rift region](#)

15. Humire, P.; Henkel, C.; [Gong, Y.](#); Leurini, S.; Mauersberger, R.; Levshakov, S. A.; Winkel, B.; Tarchi, A.; Castangia, P.; Malawi, A.; Asiri, H.; Ellingsen, S. P.; McCarthy, T. P.; Chen, X.; Tang, X., 2020, A&A, 633, A106, [36 GHz methanol lines from nearby galaxies: maser or quasi-thermal emission?](#)

14. [Gong, Y.](#); Tang, X.D.; Henkel, C.; Menten, K.M.; Mao, R.Q.; Wang, Y.; Lee, M.-Y.; Zhu, W.S.; Lin, Y.; Zhang, S.B.; Chen, X.P.; Yang, W.J., 2019, A&A, 632, A115, [Search for further evidence for cloud-cloud collisions in L1188](#)

13. Tang, X. D.; Henkel, C.; Menten, K. M.; [Gong, Y.](#); Martin, S.; Muhle, S.; Aalto, S.; Muller, S.; Garcia-Burillo, S.; Levshakov, S.; Aladro, R.; Spaans, M.; Viti, S.; Asiri, H. M.; Ao, Y. P.; Zhang, J. S.; Zheng, X. W.; Esimbek, J.; Zhou, J. J., A&A, 629, A6, [ALMA view of the  \$^{12}\text{C}/^{13}\text{C}\$  isotopic ratio in starburst galaxies](#)

12. Medina, S. N. X.; Urquhart, J. S.; Dzib, S. A.; Brunthaler, A.; Cotton, B.; Menten, K. M.; Wyrowski, F.; Beuther, H.; Billington, S. J.; Carrasco-Gonzalez, C.; Csengeri, T.; **Gong, Y.**; Hofner, P.; Nguyen, H.; Ortiz-León, G. N.; Ott, J.; Pandian, J. D.; Roy, N.; Sarkar, E.; Wang, Y. Winkel, B., A&A, 627, A175, *GLOSTAR – Radio Source Catalog I:  $28^\circ < l < 36^\circ$  and  $|b| < 1^\circ$*
11. Su, Yang; Yang, Ji; Zhang, Shaobo; **Gong, Yan**; Wang, Hongchi; Zhou, Xin; Wang, Min; Chen, Zhiwei; Sun, Yan; Chen, Xuepeng; Xu, Ye; Jiang, Zhibo, 2019, ApJS, 240, 9, *The Milky Way Imaging Scroll Painting (MWISP): Project Details and Initial Results from the Galactic Longitudes of  $25^\circ 8' - 49^\circ 7'$*
10. **Gong, Y.**; Li, G. X.; Mao, R. Q.; Henkel, C.; Menten, K. M.; Fang, M.; Wang, M.; Sun, J. X., 2018, A&A, 620, A62, *The Serpens filament at the onset of slightly supercritical collapse*
9. Henkel, C.; Mühle S.; Bendo, G.; Józsa, G. I. G.; **Gong, Y.**; Viti, S.; Aalto, S.; Combes, F.; García-Burillo, S.; Hunt, L. K.; Mangum, J.; Martín, S.; Muller, S.; Ott, J.; van der Werf, P.; Malawi, A. A.; Ismail, H.; Alkhuja, E.; Asiri, H. M.; Aladro, R.; Alves, F.; Ao, Y.; Baan, W. A.; Costagliola, F.; Fuller, G.; Greene, J.; Impellizzeri, C. M. V.; Kamali, F.; Klessen, R. S.; Mauersberger, R.; Tang, X. D.; Tristram, K.; Wang, M.; Zhang, J. S. 2018, A&A, 615, A155, *Molecular line emission in NGC 4945, imaged with ALMA*
8. Tang, X. D.; Henkel, C.; Menten, K. M.; Wyrowski, F.; Brinkmann, N.; Zheng, X. W.; **Gong, Y.**; Lin, Y. X.; Esimbek, J.; Zhou, J. J.; Yuan, Y.; Li, D. L.; He, Y. X., 2018, A&A, 609, A16, *Kinetic temperature of massive star-forming molecular clumps measured with formaldehyde. III. The Orion molecular cloud 1*
7. Su, Yang; Zhou, Xin; Yang, Ji; Chen, Yang; Chen, Xuepeng; **Gong, Yan**; Zhang, Shaobo, 2017, ApJ, 845, 48, *“Is HESS J1912+101 associated with an old Supernova Remnant?”*
6. **Gong, Y.**; Henkel, C.; J. Ott; K. M. Menten; M. R. Morris; D. Keller; M. J. Claussen; M. Grasshoff; R. Q. Mao, 2017, ApJ, 843, 54, *“SiS in the circumstellar envelope of IRC +10216: maser and quasi-thermal emission”*
5. **Gong, Yan**; Fang, Min; Mao, Ruiqing; Zhang, Shaobo; Wang, Yuan; Su, Yang; Chen, Xuepeng; Yang, Ji; Wang, Hongchi; Lu, Dengrong, 2017, ApJL, 835, L14, *“L1188: a promising candidate of cloud-cloud collision triggering the formation of the low- and intermediate-mass stars”*
4. **Gong, Y.**; Mao, R. Q.; Fang, M.; Zhang, S. B.; Su, Y.; Yang, J.; Jiang, Z. B.; Xu, Y.; Wang, M.; Wang, Y.; Lu, D. R.; Sun, J. X., 2016, A&A, 588, A104, *“Molecular clouds and star formation toward the Galactic plane within  $216.25^\circ \leq l \leq 218.75^\circ$  and  $0.75^\circ \leq b \leq 1.25^\circ$ ”*
3. Zhang, C. P.; Li, G. X.; Wyrowski, F.; Wang, J. J.; Yuan, J. H.; Xu, J. L.; **Gong, Y.**; Yeh, Cosmos C.; Menten, K. M., 2016, A&A, 585, A117, *“N131: A dust bubble born from the disruption of a gas filament”*
2. **Gong, Y.**; Henkel, C.; Thorwirth, S.; Spezzano, S.; Menten, K. M.; Walmsley, C. M.; Wyrowski, F.; Mao, R. Q.; Klein, B., 2015, A&A, 581, A48, *“A 1.3 cm line survey toward Orion KL”*
1. **Gong, Y.**; Henkel, C.; Spezzano, S.; Thorwirth, S.; Menten, K. M.; Wyrowski, F.; Mao, R. Q.; Klein, B., 2015, A&A, 574, A56, *“A 1.3 cm line survey toward IRC +10216”*



## PROCEEDINGS

2. **Gong, Y.**, Mao, R. Q.; Henkel, C.; Urquhart, J.; Wang, Y.; Zhang, Z. Y.; Wyrowski, F., 2013b, in Protostars and Planets VI Posters, 11, *"Triggered Star Formation at the End of the Galactic Bar?"*
1. **Gong, Y.**, Mao, R., Fang, M., Sun, J., & Lu, D. 2013a, in IAU Symposium, Vol. 292, IAU Symposium, ed. T. Wong & J. Ott, 43–43, *"Molecular gas around infrared dust bubbles"*

## HONORS AND AWARDS

- |           |   |
|-----------|---|
| 2011-2012 | Merit Student, University of Chinese Academy of Sciences                    |
| 2012-2015 | MPG-CAS Joint Doctoral Promotion Program                                    |
| 2016      | The Zhu-Li Yuehua outstanding doctoral award of Chinese Academy of Sciences |
| 2017      | Excellent Doctoral Dissertation of Chinese Academy of Sciences              |

## REFEREEING DUTIES

- ALMA, PASJ, MNRAS, FAST

## PRESENTATIONS

- 08/2023: talk, Shanghai, SHAO  
*"Recent progress on the GLOSTAR survey"*
- 07/2023: talk, Hangzhou, Zhejiang lab  
*"Decoding interstellar and circumstellar environments with molecular tools"*
- 07/2023: talk, Wuhu, Anhui Normal University  
*"Recent progress on the GLOSTAR survey"*
- 07/2023: talk, **PMO Youth Forum**, Nanjing, PMO  
*"Recent progress on the GLOSTAR survey"*
- 06/2021: e-poster, **EAS2021**  
*"Physical and chemical structure of the Serpens filament: fast formation and gravity-driven accretion"*
- 11/2020: Online talk, Guangzhou University  
*"The Serpens filament as a key to the initial conditions of filament evolution"*
- 02/2020: talk, **APEX2020**, Schloss Ringberg  
*"The Serpens filament as a key to the initial conditions of filament evolution"*
- 06/2019: talk, **the CASSACA & Calan star formation joint meeting**, CASSACA, Santiago  
*"L1188: a tangoing molecule cloud complex"*
- 06/2018: talk, **Star and Planet Formation Seminar**, Garching, ESO  
*"The Serpens filament: at the onset of slightly supercritical collapse"*
- 11/2016: talk, **The Chinese Annual Astronomy/Astrophysics Meeting**, Wuhan, China  
*"Star formation triggered by a collision of molecular clouds in L1188"*
- 04/2016: talk, **JCMT PI Science**, Mitaka, Japan

*"Studying the thermal state of dense gas with JCMT"*

- 08/2015: talk, **Zhangheng academic seminar**, Delingha  
*"Molecular clouds and star formation toward the Galactic plane within  $216.25^\circ \leq l \leq 218.75^\circ$  and  $0.75^\circ \leq b \leq 1.25^\circ$ "*
- 08/2015: talk, **Scientific talk at XAO**, Urumqi  
*"A 1.3 cm line survey toward Orion KL"*
- 08/2014: talk, MPIFR group meeting, Bonn  
*"A 1.3 cm line survey toward IRC +10216"*
- 07/2013: **Protostars & Planets VI**, Heidelberg, (poster)  
*"Triggered Star Formation at the End of the Galactic Bar?"*
- 08/2012: **The 28th IAU**, Beijing, (poster)  
*"Molecular gas around infrared dust bubbles"*

## SKILLS OF NOTE

- Advanced: GILDAS, IDL, PYTHON
- Experienced: CASA, DS9,  $\LaTeX$ , KARMA, MONTAGE, HTML, vi, Emacs, NOD3, Markdown
- Operating systems: Linux, Mac OS, Windows
- Observing experience: IRAM-30 m (>1000 hours, on site+remote); PMO-13.7 m (>500 hours, on site/service); Effelsberg-100 m (>2000 hours, on site+remote); APEX (>300 hours, four weeks, on site+remote); Onsala-20 m (a week, onsite); SMT-10 m (a week, remote), ALMA (>200 hours), VLA (>100 hours), SMA (>50 hours)
- Speaking languages: Chinese (mother tongue), English (fluent), and German (A1)

## PROFESSIONAL REFERENCES

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