

林建爭

Chien-Cheng Lin (Roger)

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Personal Information

Citizenship: Taiwan

Current Position

Astronomical Survey Postdoc Fellow

Sep. 2018-present

Experience

- Postdoc, Max-Planck-Institute for Astronomy, Heidelberg, Germany 2017-2018
- Postdoc, Shanghai Astronomical Observatory, CAS, China 2014-2017

Education

- **National Central University** — **Ph.D.**, Astronomy Jun. 2014
 - Advisor: Prof. Wen-Ping Chen
 - Thesis: Searching for and Characterization of Galactic Open Clusters toward the Galactic Anti-Center with Pan-STARRS1 ([link](#))
- **National Central University** — **M.Sc.**, Astronomy Jun. 2007
 - Advisor: Prof. Wen-Ping Chen
 - Thesis: Probability of Stellar Occultation by KBOs and Identifications of Variable Stars in the TAOS Databases ([link](#))
- **National Central University** — **B.A.**, Mathematics Jun. 2005

Research Interests

- optical and infrared interferometry
- data mining in sky surveys data
- star clusters formation, evolution, and dynamics in the Milky Way

Technical Experience in Astronomy

- Programming Experience: Python, HTML, MySQL, PHP
 - Image Processing and Spectroscopic analysis using IRAF, IDL, and Python.
 - Extensive HTML/MySQL/PHP code application in virtual observatories.

Telescope Experience

- **Xinglong 2.16 m telescope, Beijing, China**
 - Optical spectroscopic observations of T-Tauri stars and Be stars
- **Lijiang 2.4 m telescope, Yunnan, China**
 - Optical spectroscopic observations of Be stars
- **Thai National 2.4 m telescope, Chiang-Mai, Thailand**
 - Optical spectroscopic observations of Be stars
- **VLT-AT/UT 1.8/8.2 m telescopes, Paranal, Chile**
 - GRAVITY-instrument commissioning
 - Near-Infrared interferometric observations of Binaries stars and YSOs

Teaching Experience

- **Lecture**, Shanghai Xuhui High School Oct. 12th 2016
Introducing our earth in terms of astronomy for high school students.
- **Science Fair**, Taipei Municipal Jianguo High School Sep. 2015-Jan. 2017
Guiding Mr. Chen-Hou Hung to analyze variable stars and to study the properties of double star clusters ([link](#)).

Honors and Awards

- Postdoctoral Research Abroad Program, MOST, Taiwan (MPIA, Germany) Mar. 2017
- Taiwanese Young Visiting Scholar Program, CAS, China Jul. 2015

References

- **Dr. Wolfgang Brandner** brandner@mpia.de
Scientist, Planet and Star Formation Department, Max Planck Institute for Astronomy, Königstuhl 17, D-69117 Heidelberg, Germany, +49-062-2152-8289
- **Dr. Jinliang Hou** 侯金良博士: houlj@shao.ac.cn
Deputy Director, Shanghai Astronomical Observatory, Chinese Academy of Sciences, 80 Nandan Road, Shanghai, 200030, China, +86-021-3477-5002
- **Dr. Wen-Ping Chen** 陳文屏博士: wchen@astro.ncu.edu.tw (Ph.D. Advisor)
Professor, Graduate Institute of Astronomy, National Central University, 300 Jhongda Road, Jhongli 32001, Taiwan, +886-034-227-151 ext 65960

Complete list of publication of Chien-Cheng Lin

A) Submitted publications with peer review process

1. Tang, S.-Y., Pang, X., Yuan, Z., et al., (including: **Lin, C.-C.**) “Disrupted Open Clusters with Tidal Tails: Coma Berenices and its Neighboring Group”, Accepted by ApJ ([link](#))

B) Publications with peer review process in the past 5 years

1. Shultz, M., Le Bouquin, J.-B., Rivinius, T., et al., (including: **Lin, C.-C.**) “NU Ori: a hierarchical triple system with a strongly magnetic B-type star”, Monthly Notices of the Royal Astronomical Society, Volume 482, Issue 3, p.3950-3965 (2019) ([link](#))
2. GRAVITY collaboration, Karl, M., Pfuhl, O., Eisenhauer, F., et al., (including: **Lin, C.-C.**) “Multiple Star Systems in the Orion Nebula”, Astronomy & Astrophysics, Volume 620, id.A116, 26 pp. (2018) ([link](#))
3. Yu, P. C., Yu, C. H., Lee, C. D., et al., (including: **Lin, C.-C.**) “Searching for Be Stars in the Open Clusters with PTF/iPTF: I. Cluster Sample and Be Star Candidates”, The Astronomical Journal, V. 155, pp. 17 (2018) ([link](#))
4. Zhou, Y., Shen, J., Liu, C., et al., (including: **Lin, C.-C.**) “Chemical Abundances and Ages of the Bulge Stars in APOGEE High-velocity Peaks”, The Astronomical Journal, v. 847, pp. 74 (2017) ([link](#))
5. Chojnowski, S. D., Wisniewski, J. P., Whelan, D. G., et al., (including: **Lin, C.-C.**) “High-Resolution, H-Band Spectroscopy of BE Stars with SDSS-III/APOGEE: II. Line Profile and Radial Velocity Variability”, The Astronomical Journal, v. 153, pp. 174 (2017) ([link](#))
6. Lee, C. H. & **Lin, C.-C.** “Double-lined M-dwarf Eclipsing Binaries from Catalina Sky Survey and LAMOST”, Research in Astronomy and Astrophysics v. 17, no. 2, 15 (2017) ([link](#))
7. Tang, B., Cohen, R. E., Geisler, D., et al., (including: **Lin, C.-C.**) “Two Groups of Red Giants with Distinct Chemical Abundances in the Bulge Globular Cluster NGC 6553 Through the Eyes of APOGEE”, Monthly Notices of the Royal Astronomical Society vol. 465, pp. 19 (2017) ([link](#))
8. Hou, W., Luo, A., Hu, J., et al., (including: **Lin, C.-C.**) “Low-resolution spectral analysis of early-type H α emission stars from the second data release (DR2) of the LAMOST”, Research in Astronomy and Astrophysics, v. 16, no. 9, 138 (2016) ([link](#))
9. Yu, P. C., **Lin, C.-C.**, Lin, H. W., et al. “Be Stars in the Open Cluster NGC 6830”, The Astronomical Journal, v. 151, pp. 121 (2016) ([link](#))
10. **Lin, C.-C.**, Hou, J. L., Chen, L., et al. “Searching for Classical Be Stars from the LAMOST DR1”, Research in Astronomy and Astrophysics, v. 15, no. 8, 1325 (2015) ([link](#))
11. Luo, A. L., Zhao, Y. H., Zhao, G., et al., (including: **Lin, C.-C.**) “The First Data Release (DR1) of the LAMOST general survey”, Research in Astronomy and Astrophysics, v. 15, no. 8, pp. 1095 (2015) ([link](#))

12. Yu, P. C., **Lin, C.-C.**, Chen, W. P., et al. “Searching for Be Stars in the Open Cluster NGC 663”, *The Astronomical Journal*, v. 149, pp. 43 (2015) ([link](#))
13. Wang, P. F., Chen, W. P., **Lin, C.-C.**, et al. “Characterization of the Low-Mass Members in the Praesepe Star Cluster with Pan-STARRS survey”, *Astrophysical Journal*, v. 784, pp. 57 (2014) ([link](#))
14. Griv, E., **Lin, C.-C.**, Ngeow, C. C., & Jiang, I. G. “The spiral density-wave structure of our own Galaxy as traced by open clusters: Least-squares analysis of line-of-sight velocities”, *New Astronomy*, v. 29, p. 9 (2014) ([link](#))

C) Publications without peer review process in the past 5 years

1. Pang, X. P. and **Lin, C.-C.** “Investigation on fundamental plane of open clusters”, *Rediscovering Our Galaxy*, 334, 331 (2018) ([link](#), [pdf](#))
2. **Lin, C.-C.** and Pang, X. P. “Open Cluster Dynamics via Fundamental Plane”, *Astrometry and Astrophysics in the Gaia Sky*, 330, 233 (2018) ([link](#), [pdf](#))
3. **Lin, C.-C.**, Chen, W. P., Hou, J., Chen, L., & Shao, Z. “Searching for and Characterization of Galactic Open Clusters toward the Galactic Anti-Center with Pan-STARRS1”, *IAU General Assembly*, 22, #2254260 (2015) ([link](#))
4. Shao, Z., Chen, L., **Lin, C.-C.**, Zhong, J., & Hou, J. “Bayesian inference of mass segregation of open clusters”, *IAU General Assembly*, 22, #2251290 (2015) ([link](#))
5. **Lin, C.-C.**, & Chen, W. P. “Search for and Characterization of Open Clusters Toward the Galactic Anti-Center with Pan-STARRS1”, *Tenth Pacific Rim Conference on Stellar Astrophysics*, 482, 233 (2014) ([link](#))

D) Other publications in the past 5 years

1. 最大黃特巨星—半人馬座V766和它的小夥伴 (translation) “VLTI Revisits the Largest Yellow Hypergiant Ever Discovered”, *天文新知* (2017) ([pdf](#))
2. 恆星之間的小邂逅，觸發地球上的大災難 (translation) “Heavy stellar traffic, deflected comets, and a closer look at the triggers of cosmic disaster”, *天文新知* (2017) ([pdf](#))
3. SDSS Chinese subtitle 影片中文字幕 “Charting the Heavens”, Youtube (2015) ([video](#))
4. **Lin, C.-C.**, Chen, L., Zhong, J. “Identification of Be Stars from LAMOST (基于LAMOST 光谱巡天的Be星搜寻)”, *天文学进展 Progress in Astronomy*, v. 34, sup, pp. 18 (2016) ([pdf](#))

E) All of my publications on ADS: ([link](#))