

Kai Li

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TEACHING EXPERIENCE

Mechanics, Stellar Physics

RESEARCH INTERESTS

Observations and investigations on close binaries, searching for exoplanets

EDUCATION BACKGROUND

2008.09-2013.07 Yunnan Observatories, Chinese Academy of Sciences
PhD in Astrophysics Advisor: Prof. Shengbang, Qian
2004.09-2008.07 Shandong Normal University
B.Sc. in Physics

EMPLOYMENT HISTORY

2013.07-present School of Space Science and Physics, Shandong University

Honors/Awards

Young Scholars Program of Shandong University, Weihai

RESEARCH VISITS

2019.08-2019.12 Chungbuk National University

(CURRENTLY SUPPORTED) RESEARCH PROJECTS

2020.1-2022.12: National Natural Science Foundation of China, ¥ 500000, PI

2018.1-2020.12: National Natural Science Foundation of China, ¥ 280000, PI

2015.1-2017.12: National Natural Science Foundation of China, ¥ 480000, PI

2014.12-2017.12: Shandong Provincial Natural Science Foundation, China, ¥90000, PI

2016.6-2020.12: Young Scholars Program of Shandong University, Weihai, ¥500000, PI

SELECTED PUBLICATIONS:

*corresponding author

1. Guo, Di-Fu; **Li, Kai***; Gao, Xing; Gao, Dong-Yang; Xu, Zhi-Jian; Sun, Guo-You; Liu, Fen; Zhang, Chang-Ming, Searching for eclipsing binaries in the area of RA: 02h21m36s, Dec: +57°11'32", 2020, MNRAS, 497, 3381
2. **Li, Kai***; Kim, Chun-Hwey; Xia, Qi-Qi; Michel, Raul; Hu, Shao-Ming; Gao, Xing; Guo, Di-Fu; Chen, Xu, The First Light Curve Modeling and Orbital Period Change Investigation of Nine Contact Binaries around the Short-period Cutoff, 2020, AJ, 159, 189
3. **Li, Kai***; Xia, Qi-Qi; Michel, Raul; Hu, Shao-Ming; Guo, Di-Fu; Gao, Xing; Chen, Xu; Gao, Dong-Yang, Contact binaries at the short period cut-off - I. Statistics and the first photometric investigations of 10 totally eclipsing systems, 2019, MNRAS, 485, 4588
4. **Li, Kai***; Xia, Qi-Qi; Liu, Jin-Zhong; Zhang, Yu et al. Photometric investigations on two totally eclipsing contact binaries: V342 UMa and V509 Cam, 2019, 19, 147
5. **Li, K.***; Xia, Q.-Q.; Hu, S.-M.; Guo, D.-F.; Chen, X.*, Photometric Study of Two Totally Eclipsing Contact Binaries: V789 Her and V1007 Cas, PASP, 201807, 130, 4201
6. Guo, D. F., **Li, K.***, Hu, S. M., Chen, X., The First Photometric and Period Investigation of the Total Eclipse Binary System V0474 Cam, PASP, 201806, 130, 4201
7. Xia, Qi-Qi; **Li, Kai***; Chen, Xu; Guo, Di-Fu; Gao, Dong-Yang, The first photometric investigation and period study of two W UMa-type binary systems: EF CVn and EH CVn, 201812, PASJ, 70, 104.
8. **Li, Kai***, Photometric study of the eclipsing blue straggler V205 in the globular cluster NGC 5139, 2018, NewA, 59, 60
9. Ma, S.; **Li, K.***; Li, Q.-C.; Gao, H.-Y., Photometric study and orbital period analysis of the W UMa type contact binary VZ Psc, NewA, 2018, 59, 1
10. Gao, H.-Y.; **Li, K.***; Li, Q.-C.; Ma, S., Photometric study of the contact binary 07g-3-00820 at the period cut off, NewA, 2017, 56, 10
11. **Li, Kai***; Hu, Shaoming; Chen, Xu; Guo, Difu, Comprehensive photometric study of an extremely low mass ratio deep contact binary in the globular cluster M 4, PASJ, 2017, 69, 79
12. **Li, Kai***; Hu, Shaoming; Zhou, Jilin; Wu, Donghong; Guo, Difu; Jiang, Yunguo; Gao, Dongyang; Chen, Xu; Wang, Xianyu, A possible giant planet orbiting the cataclysmic variable LX Ser, PASJ, 2017, 69, 28
13. **Li, K.***; Gao, D.-Y.*; Hu, S.-M.*; Guo, D.-F.; Jiang, Y.-G.; Chen, X., The active W UMa type binary star V781 Tau revisited, Ap&SS, 2016, 361, 63
14. **Li, K.***; Hu, S.-M.; Guo, D.-F.; Jiang, Y.-G.; Gao, D.-Y.; Chen, X., Photometric Analysis and Period Investigation of the EW Type Eclipsing Binary V441 Lac, JApA, 2016, 37, 16
15. Guo, Di-Fu; **Li, Kai***; Hu, Shao-Ming; Jiang, Yun-Guo; Gao, Dong-Yang; Chen, Xu, The highest rate orbital period increasing contact binary LP UMa revisited, NewA, 2016, 44, 29
16. Yang, Yuanguai*; **Li, Kai**; Li, Qun; Dai, Haifeng, Photometric Studies of Two Neglected Eclipsing Binaries AX Cassiopeia and V1107 Cassiopeia with Possibly Additional Companions, PASP, 2016, 128, 4201

17. Hu, Shao Ming; **Li, Kai***; Guo, D.-F.; Jiang, Yunguo; Gao, Dongyang; Chen, Xu, Photometric study and period variation investigation of the W UMa-type binary EQ UMa, PASJ, 2015, 67, 1006
18. Guo, D. F.; **Li, K.***; Hu, S. M.; Jiang, Y. G.; Gao, D. Y.; Chen, X., Discovery of a Faint Eclipsing Binary GSC 02265-01456, JApA, 2015, 26, 399
19. **Li, K.***; Hu, S.-M.; Guo, D.-F.; Jiang, Y.-G.; Gao, Y.-G.; Chen, X.; Odell, Andrew P., The Active Contact Binary Ty UMa Revisited: is It a Quadruple Star?, AJ, 2015, 149, 120
20. Guo, Di-Fu; **Li, Kai***; Hu, Shao-Ming; Jiang, Yun-Guo; Gao, Dong-Yang; Chen, Xu, Discovery of a deep, low mass ratio overcontact binary GSC 03517-00663, RAA, 2015, 15, 889
21. **Li, Kai***; Hu, Shaoming; Guo, Difufu; Jiang, Yunguo; Gao, Dongyang; Chen, Xu, Four color light curves and period changes investigation of the contact binary BX Peg, NewA, 2015, 41, 17
22. **Li, Kai**; Hu, S.-M.; Guo, D.-F.; Jiang, Y.-G.; Gao, D.-Y.; Chen, X., The First Photometric Analysis of the near Contact Binary IR Cas, AJ, 2014, 148, 96
23. Guo, D.-F., **Li, K.***, Hu, S.-M., Jiang, Y.-G., Gao, D.-Y., Chen, X., Discovery of a W UMa type binary GSC 03553-00845, PASJ, 2014, 66, 100
24. **Li, K.***, Hu, S.-M., Guo, D.-F., Jiang, Y.-G., Gao, D.-Y., Chen, X., The first photometric analysis and period investigation of the W UMa type binary system V1139 Cas, NewA, 34, 217, 2015
25. **Li K.***, Qian S.-B., Hu, S.-M., He, J.-J., The triply binary star EQ Tau with an active component, AJ, 147, 98, 2014
26. **Li K.***, Hu S.-M., Jiang Y.-G., Chen X., Ren D.-Y., Period variation and four color light curves investigation of AB And, NewA, 30, 64, 2014
27. Qian, S.-B., Liu, N.-P., **Li, K.**, He, J.-J., Zhu, L.-Y., Zhao, E. G., Wang, J.-J.; Li, L.-J., Jiang, L.-Q., BI Vulpeculae: A Siamese Twin with Two Very Similar Cool Stars in Shallow Contact, ApJS, 209, 13, 2013
28. **Li K.**, Qian S.-B., Two contact binaries at different evolutionary stages in the globular cluster NGC 6397, NewA, 25, 12 , 2013
29. **Li K.**, Qian S.-B., Two unusual contact binaries in the globular cluster M54, NewA, 22, 57 , 2013
30. **Li K.**, Qian S.-B., Multiple color light curves and period changes investigation of the contact binary HV Aqr, NewA, 21, 46 , 2013
31. **Li K.**, Qian S.-B., Two particular EA-type binaries in the globular cluster ω Centauri, RAA, 13, 827 , 2013
32. **Li K.**, Qian S.-B., An Eclipsing Blue Straggler in the Globular Cluster ω Centauri, AJ, 144, 161 , 2012
33. **Li K.**, Qian S.-B., Leung, K.-C., Detection of a Second-generation Binary in the Globular Cluster ω Centauri, ApJ, 755, 83 , 2012
34. Qian, S.-B., **Li, K.**, Liao, W.-P., Liu, L., Zhu, L.-Y., He, J.-J., Wang, J.-J., Zhao, E.-G., The First Photometric Investigation of the Neglected W-UMa-type Binary Star UZ CMi, AJ, 145, 91 , 2013
35. Liao, W.-P., Qian, S.-B., **Li, K.**, He, J.-J., Zhao, E.-G., Zhou, X., The Multi-color Light Curves of the W UMa type Contact Binary EP Andromedae, AJ, 146, 79 , 2013