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Professional:

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Astronomical Technology and Methods

Deputy Director of Optical Astronomy and Technology Application Laboratory,

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Education:

2015-2020 University of Chinese Academy of Sciences Ph.D.

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Research Interests:

Optical astronomy, optical telescopes, terminal instruments and astronomical site selection technologies, Automatic control of the telescope, data automation and intelligent processing, and the construction of the Muztagh observatory.

Selected Publications:

(1) **Chun-Hai Bai**, Guojie Feng, Xuan Zhang, Hubiao Niu, Abdusamatjan Eskandar, Guangxin Pu, Shuguo Ma, Jinzhong Liu, Xiaojun Jiang, Lu Ma, Ali Esamdin, Na Wang. The Wide-field Photometric System of the Nanshan One-meter Telescope. *Research in Astronomy and Astrophysics* 2020, Vol. 20, No. 12 (211-220).

(2) **Chun-Hai Bai**, Jian-Ning Fu, Tao-Ran Li, Zhou Fan, Jiang-Hua Wu, Yong Zhao, Xian-Qun Zeng, Wen-Zhao Zhang, Peng Qiu, Guo-Jie Feng and Xiao-Jun Jiang. Upgraded photometric system on the 85-cm telescope at Xinglong station. *Research in Astronomy and Astrophysics* 2018, Vol. 18, No. 9 (105-117).

(3) **Chun-Hai Bai**, H Zhang, G Feng, J Zhou, X Zhang, H Liu, H Niu, L Ma, A Esamdin, J Hu. Variable Star Searching in Several Areas Near the Milky Way Disc. *Astronomical Research and Technology*. 2019, Vol. 16, No. 4.

(4) Lu Feng, Jin-Xin Hao, Zi-Huang Cao, Jin-Ming Bai, Ji Yang, Xu Zhou, Yong-Qiang Yao, Jin-Liang Hou, Yong-Heng Zhao, Yu Liu, Teng-Fei Song, Li-Yong Liu, Jia Yin, Hua-Lin Chen, Chong Pei, Ali Esamdin, Lu Ma, **Chun-Hai Bai**, Peng Wei, Jing Xu, Guang-Xin Pu, Guo-Jie Feng, Xuan Zhang, Liang Ming, Abudusaimaitijiang Yisikandee, Jian-Rong Shi, Jian Li, Yuan Tian, Zheng Wang, Xia Wang, Xiao-Jun Jiang, Jian-Feng Wang, Jian-Feng Tian, Yan-Jie Xue, Jian-Sheng Chen, Jing-Yao Hu, Zhi-Xia Shen, Yun-Ying Jiang, et al., Site testing campaign for the Large Optical/infrared Telescope of China: overview[J], *Research in Astronomy and Astrophysics*, 20(6), 080.

(5) Zi-Huang Cao, Li-Yong Liu, Yong-Heng Zhao, Lu Feng, Hugh R. A. Jones, Huang Shen, Jin-Xin Hao, Yan-Jie Xue, Yong-Qiang Yao, Jing Xu, Ali Esamdin, Zhao-Xiang Qi, Jian-Rong Shi, Jian Li, Yuan Tian, Zheng Wang, Tai-Sheng Yan, Xia Wang, Jian-Ping Xiong, Si-Cheng Yu, Jun-Bo Zhang, Zhi-Xia Shen, Yun-Ying Jiang, Jia Yin, Guang-Xin Pu, Peng Wei, **Chun-Hai Bai**, Guo-Jie Feng, Lu Ma, Teng-Fei Song, Jian-Feng Wang, Jian-Feng Tian, Xian-Qun Zeng, Zhi-Gang Hou, Shi-Long Liao, Zhi-Song Cao, Dong-Wei Fan, Yun-Fei Xu, Chang-Hua Li, Yi-Han Tao, et al., Long-term analysis of clear nights using satellite data considering astronomical sites in western China[J], *Research in Astronomy and Astrophysics*, 20(6), 081.

(6) Zi-Huang Cao, Jin-Xin Hao, Lu Feng, Hugh R. A. Jones, Jian Li, Jing Xu, Li-Yong Liu, Teng-Fei Song, Jian-Feng Wang, Hua-Lin Chen, Yan-Jie Xue, Huang Shen, Yong-Heng Zhao, Zhao-Xiang Qi, Jian-Rong Shi, Yuan Tian, Zheng Wang, Xia Wang, Jin-Liang Hou, Jin-Ming Bai, Ji Yang, Xu Zhou, Yong-Qiang Yao, Jia Yin, Ali Esamdin, Guang-Xin Pu, Peng Wei, **Chun-Hai Bai**, Guo-Jie Feng, Lu Ma, Xuan Zhang, Yu Liu, Chong Pei, Zhi-Xia Shen, Yun-Ying Jiang, Jian-Feng Tian, Xian-Qun Zeng, Zhi-Gang Hou, Xu Yang, Jun-Bo Zhang, Shi-Long Liao, Dong-Wei Fan, Yun-Fei Xu, Jian-Ping Xiong, Tai-Sheng Yan, Xi Zhang, Chang-Hua Li, Yi-Han Tao, Si-Cheng Yu, Zhi-Song Cao, Hong-Shuai Wang, et al., Data processing and data products from 2017 to 2019 campaign of astronomical site testing at Ali, Daocheng and Muztagh-ata[J], *Research in Astronomy and Astrophysics*, 20(6), 082.

(7) Jing Xu, Ali Esamdin, Jin-Xin Hao, Jin-Ming Bai, Ji Yang, Xu Zhou,

Yong-Qiang Yao, Jin-Liang Hou, Guang-Xin Pu, Guo-Jie Feng, **Chun-Hai Bai**, Peng Wei, Shu-Guo Ma, Abudusaimaitijiang Yisikandee, Le-Tian Wang, Xuan Zhang, Liang Ming, Lu Ma, Jin-Zhong Liu, Zi-Huang Cao, Yong-Heng Zhao, Lu Feng, Jian-Rong Shi, Hua-Lin Chen, Chong Pei, Xiao-Jun Jiang, Jian-Feng Wang, Jian-Feng Tian, Yan-Jie Xue, Jing-Yao Hu, Yun-Ying Jiang, et al., Site-testing at Muztagh-ata site i: Ground Meteorology and Sky Brightness[J], Research in Astronomy and Astrophysics, 20(6), 086.

(8) Jing Xu, Ali Esamdin, Jin-Xin Hao, Jin-Min Bai, Ji Yang, Xu Zhou, Yong-Qiang Yao, Jin-Liang Hou, Guang-Xin Pu, Guo-Jie Feng, **Chun-hai Bai**, Peng Wei, Shu-Guo Ma, Abudusaimaitijiang Yisikandee, Le-Tian Wang, Xuan Zhang, Liang Ming, Lu Ma, Jin-Zhong Liu, Zi-Huang Cao, Yong-Heng Zhao, Lu Feng, Jian-Rong Shi, Hua-Lin Chen, Chong Pei, Xiao-Jun Jiang, Jian-Feng Wang, Jian-Feng Tian, Yan-Jie Xue, Jing-Yao Hu, Yun-Ying Jiang, et al., Site-testing at Muztagh-ata site ii: Seeing statistics[J], Research in Astronomy and Astrophysics, 20(6), 087.

(9) Jing Xu, Ali Esamdin, Guo-Jie Feng, Guang-Xin Pu, Yi Hu, Ke-Liang Hu, Xu Yang, Jin-Xin Hao, Yan-Jie Xue, Xu Zhou, Shu-Guo Ma, Abudusaimaitijiang Yisikandee, Le-Tian Wang, Xuan Zhang, **Chun-Hai Bai**, Peng Wei, Liang Ming, Lu Ma, Jin-Zhong Liu, Yun-Ying Jiang, et al., Site-testing at Muztagh-ata site III: temperature inversion in surface-layer atmosphere[J], Research in Astronomy and Astrophysics, 20(6), 088.

(10) Zong Peng, Esamdin Ali*, Fu Jianning, Niu Hubiao, Feng Guojie, Yang Taozhi, **Bai Chunhai**, Zhang Yu, Liu Jinzhong. Pulsations of the SX Phe Star BL Camelopardalis. PASP 2019 Vol. 131, 064202.

(11) Liu Junhui, Esamdin Ali, Zhang Yu*, Hu Chin-Ping, Chen Tingting, Zhang Junbo, Liu Jinzhong*, Li Zixi, Ren Juanjuan, Zheng Jie, Niu Hubiao, Bai Chunhai, Ge Liang. An Optical and X-Ray Study of the Contact Binary, BH Cassiopeia. PASP 2019 Vol. 131, 084202.