

# ZIHAO YANG 杨子浩

## PERSONAL INFORMATION

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DATE OF BIRTH: March 11, 1996  
PLACE OF BIRTH: Huangchuan, Henan Province, China  
CITIZENSHIP: Chinese  
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## EDUCATION

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2015-2019 B. Sc. majoring in Space Science and Technology at School of Earth and Space Sciences, Peking University (PKU), Beijing, China  
2014-2015 Huangchuan No. 1 High School, Henan, China  
2011-2014 Huangchuan High School, Henan, China

## AWARDS

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JUN. 2019 Excellent Graduate, Peking University  
MAY 2019 Excellent Project Award for Peking University Undergraduate Principal's Funding 2018, Peking University  
DEC. 2018 Merit Student of Academic Year 2017-2018, Peking University  
DEC. 2018 Leo KoGuan Scholarship (10,000 RMB), Peking University  
NOV. 2018 Golden Award of SESS Academic Wishing Star for the 2017-2018 Academic Year, School of Earth and Space Sciences, Peking University  
NOV. 2017 Golden Award of SESS Academic Wishing Star for the 2016-2017 Academic Year, School of Earth and Space Sciences, Peking University  
NOV. 2013 High School Merit Student of Academic Year 2013-2014 of Henan Province, Department of Education, Henan Province

## RESEARCH EXPERIENCE

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- FEB. 2017 - JAN. 2018 Undergraduate research at **Institute of Space Physics and Applied Technology (ISPAT), Peking University, China**  
*Supported by the Recruitment Program of Global Experts of China, the Max-Planck Partner Group program and Undergraduate Research Training Program of PKU*  
Topic: Solar Tornadoes Observed with the Interface Region imaging Spectrograph  
Advisor: Hui Tian
- JUL. 2018 - SEPT. 2018 Summer research at **High Altitude Observatory (HAO), National Center for Atmospheric Research (NCAR), Boulder, CO, USA**

Topic: Finding high frequency waves in solar corona &  
Mapping coronal magnetic field through Alfvénic wave observations  
Advisor: Steven Tomczyk & Scott McIntosh

3. FEB. 2019 – JUN. 2019      Research for thesis of Bachelor's degree at **Institute of Space Physics and Applied Technology (ISPAT), Peking University, China**  
Topic: Mapping Coronal Magnetic Field Through Alfvénic Wave Observations (continued)  
Advisor: Hui Tian
4. JUL. 2019 – AUG. 2019      Summer research at **Mullard Space Science Laboratory (MSSL), University College London (UCL), United Kingdom**  
Topic: Jets and Loop Brightening Observed by Hinode/EIS, Hinode/XRT and SDO/AIA  
Advisor: David Long & Deborah Baker

## SCIENTIFIC PUBLICATIONS

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First-author publications:

1. Yang, Z., Tian, H., Peter, H., Su, Y., Samanta, T., Zhang, J., & Chen, Y. (2018). Two Solar Tornadoes Observed with the Interface Region Imaging Spectrograph. *The Astrophysical Journal*, 852(2), 79.

Other publications:

2. Chen, Y., Tian, H., Su, Y., Qu, Z., Deng, L., Jibben, P. R., Yang, Z.,... & Wang, L. (2018). Diagnosing the magnetic field structure of a coronal cavity observed during the 2017 total solar eclipse. *The Astrophysical Journal*, 856(1), 21.
3. Chen, Y., Tian, H., Xu, Z., Xiang, Y., Fang, Y., & Yang, Z. (2017). Ellerman bombs observed with the new vacuum solar telescope and the atmospheric imaging assembly onboard the solar dynamics observatory. *Geoscience Letters*, 4(1), 30.

## SCIENTIFIC MEETING PRESENTATIONS

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1. Yang, Z.: Two Solar Tornadoes Observed with the Interface Region Imaging Spectrograph, Pasadena, COSPAR 2018, CA, USA, Jul. 14-22, 2018, **oral presentation**
2. Yang, Z.: Solar Tornadoes Observed with IRIS: Rotating Motion of Prominence Materials, CGU 2017, Beijing, Oct. 15-18, 2017, poster presentation
3. Yang, Z.: Solar Tornadoes Observed with IRIS, the 4<sup>th</sup> International Space Weather Conference (Chinese), Beijing, Aug. 1-4, 2017, **oral presentation** (in Chinese)

## PROFESSIONAL ACTIVITIES

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Reviewer for *The Astrophysical Journal* (during undergraduate study).

## LANGUAGE PROFICIENCY

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CHINESE: Native Speaker

ENGLISH: Fluent (TOEFL Score: 110, October, 2016)

GERMAN: Beginner

## **COMPUTER SKILLS**

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IDL, C, Python, MATLAB, LaTeX