ZIHAO YANG 杨子浩

PERSONAL INFORMATION

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

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

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 Excellent Undergraduate Research Program for the 2017-2018 Academic Year, School of Earth and Space Sciences, 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

1. 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

2. 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 Alfvenic wave observations
   Advisor: Steven Tomcyzk & 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 Alfvenic 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

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

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 4th International Space Weather Conference (Chinese), Beijing, Aug. 1-4, 2017, **oral presentation** (in Chinese)

PROFESSIONAL ACTIVITIES

Reviewer for The Astrophysical Journal (during undergraduate study).

LANGUAGE PROFICIENCY

CHINESE: Native Speaker
ENGLISH: Fluent (TOEFL Score: 110, October, 2016)
GERMAN: Beginner

COMPUTER SKILLS

IDL, C, Python, MATLAB, LaTeX