Ziyi Zhu

PhD student of Geochemistry, Australian National University

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The Australian National University, Canberra, ACT 2601

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Education

Australian National University (ANU), Canberra, Australia Oct 2017 - Present

Ph.D. in Geochemistry

Advisor: Prof. Dr. Ian Campbell

China University of Geosciences (CUG), Wuhan, China Sep 2013 - Jun 2017

B.S. in Exploration Engineering of Mineral Resources

Advisor: Prof. Dr. Shaoyong Jiang

GPA: 4.0/5.0. Class Ranking: 1st.

Honors: National Scholarship (Top 1%); Excellent Graduate 2017.

Publications

Zhu Z., Campbell, I.H., Allen, C.M., Brocks, J.J., Chen B., 2022. The temporal distribution of Earth's supermountains and their potential link to the rise of atmospheric oxygen and biological evolution. **Earth and Planetary Science Letters** 580, 117391. https://doi.org/10.1016/j.epsl.2022.117391

Zhu, Z., Campbell, I.H., Allen, C.M., Burnham, A.D., 2020. S-type granites: Their origin and distribution through time as determined from detrital zircons. **Earth and Planetary Science Letters** 536, 116140. https://doi.org/10.1016/j.epsl.2020.116140

Conferences

Goldschmidt Conference 2021 — 4-9 July 2021

Oral Presentation — Virtual

Topic: Ultra-high supermountains linked to the evolution of species

Goldschmidt Conference 2019 — 18-23 Aug 2019

Oral Presentation — Barcelona, Spain

Topic: Detrital zircons and the distribution of S-type granites through time

Australian Geoscience Council Convention 2018 — 14-18 Oct 2018

Oral Presentation — Adelaide, Australia

Topic: Detrital zircons and the distribution of S-type granites through time

Teaching

- EMSC1006 Blue Planet: 2021 Semester 1
- EMSC1006 Blue Planet: 2020 Semester 1
- EMSC1006 Blue Planet: 2018 Semester 1

Research interests

- Zircon U-Pb, O, Hf isotopes and trace element signatures
- Supercontinent formation and mountain-building events
- The growth and evolution of the continental crust
- Large geochemical data synthesis and interdisciplinary integration

Skills and others

Language abilities: Mandarin (native); English (fluent).

Computer skills: Experienced in Python.