

Heng Chen

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EDUCATION

- Ph.D. in geochemistry (2014) Department of Earth and Planetary Sciences
Washington University in St. Louis
- M.S. in geochemistry (2013) Department of Earth and Planetary Sciences
Washington University in St. Louis
- B.S. in geochemistry (2007) Department of Earth Sciences
China University of Geosciences

RESEARCH INTERESTS

- Evolution of the early Solar System and differentiation of the Earth
- Geochemistry of lithosphere and mineral deposits
- Metal (Ca, Cu, and Zn) isotope geochemistry
- Isotope geochemistry analytical development (e.g. Sn, Cr isotopes)

EMPLOYMENT

2015 – present	Research Scientist	Washington University in St. Louis
2013 – 2014	Research Assistant	Washington University in St. Louis
2012 – 2013	Teaching Assistant	Washington University in St. Louis
2008 – 2011	Research Assistant	Chinese Academy of Sciences

HONORS AND AWARDS

- 2012 Department Award for Outstanding Teaching Assistant and Wheeler Fellowship
- 2009 CAS Student Leadership Award
- 2006 University Award for Excellence in Studies

PUBLICATIONS

K. Wang, S. B. Jacobsen, F. Sedaghatpour, **H. Chen**, R.L. Korotev, 2015, The earliest Lunar Magma Ocean differentiation recorded in Fe isotopes. *Earth and Planetary Sciences Letters*, 430: 202-208.

P.S. Savage, F. Moynier, **H. Chen**, G. Shofner, J. Siebert, J. Badro, I.S. Puchtel, 2015, Copper isotope evidence for large-scale sulphide fractionation during Earth's differentiation. *Geochemical Perspectives Letters*, 1:53-64

H. Chen, P.S. Savage, F.Z. Teng, R.T. Helz, F. Moynier, 2013, Zinc isotope fractionation during magmatic differentiation and the isotopic composition of the bulk Earth. *Earth and Planetary Sciences Letters*, 369-370: 34-42.

H. Chen, B.M. Nguyen, F. Moynier, 2013, Zinc isotopic composition of iron meteorites: Absence of isotopic anomalies and origin of the volatile element depletion. *Meteoritics & Planetary Science*, 48: 2441-2450.

H. Chen, M.C. Bishop, M. Humayun, J.T. Williams, F. Moynier, Cosmogenic effects on Cu isotopes in IVB irons: implications for ^{182}Hf - ^{182}W chronometry. *GCA* (in revision).

H. Chen, P.S. Savage, M. Valdes, I.S. Puchtel, J.M.D Day, M. Moreira, M. Jackson, F. Moynier, Calcium isotopes in Earth's mantle (in preparation).

H. Chen, R.Z. Hu, X.W. Bi, J.J. Zhu, S.H. Shi, 2012, Calcite Sm-Nd isochron age and its geological significance for the 6722 uranium deposit, Southern Jiangxi Province, China. *Acta Mineralogica Sinica*, 32: 55-62.

J.J. Zhu, R.Z. Hu, X.W. Bi, Z. Hong, **H. Chen**, Zircon U-Pb ages, Hf-O isotopes and wholerock Sr-Nd-Pb isotopic geochemistry of granitoids in the Jinshajiang suture zone, SW China: Constraints on petrogenesis and tectonic evolution of the Paleo-Tethys Ocean. *Lithos*, 126: 248-264.

CONFERENCE ABSTRACTS

H. **Chen**, P.S. Savage, M. Valdes, I.S. Puchtel, J.M.D Day, M. Moreira, M. Jackson, F. Moynier, 2014. Heterogeneity of calcium isotopes in Earth's mantle. Goldschmidt Conference.

P.S. Savage, **H. Chen**, G. Shofner, J. Badro, F. Moynier, 2013. The copper isotope composition of bulk Earth: A new paradox? Goldschmidt Conference. Abstract # P2142-B.