

# 50 Prof. Kun Wang



Name: Kun Wang

Organization: Department of Earth and Planetary Sciences at Washington University in St. Louis

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## Education

B.A. Geology, China University of Geosciences, China, 2008

M.A. Geochemistry, Washington University in St. Louis, 2011

Ph.D. Earth and Planetary Sciences, Washington University, Washington, USA, 2013

## Work Experience

Research Assistant, Purple Mountain Observatory, Chinese Academy of Sciences, 2008.6-2009.6

Research Assistant, Washington University in St. Louis, 2009.8-2013.12

Postdoctoral Fellow, Harvard University, 2014.1-2016.5

Assistant Professor, Washington University in St. Louis, 2016.6-present

## Research Interests

I conduct research on primitive and differentiated meteorites, lunar rocks and terrestrial samples. Specifically, I use high precision isotopic analyses of non-traditional isotope systems to understand the initial physical and chemical conditions during the formation and differentiation of solar system and terrestrial planets that eventually led to the origin of life on the Earth.

## Major Publications

Wang, K., Day, J., Korotev, R. L., Zeigler, R. A., & Moynier, F. (2014). Iron isotope fractionation during sulfide-rich felsic partial melting in early planetesimals. *Earth & Planetary Science Letters*, 392, 124-132.

Moynier, F., Fujii, T., Wang, K., & Foriel, J. (2013). Ab initio calculations of the Fe(II) and Fe(III) isotopic effects in citrates, nicotianamine, and phytosiderophore, and new Fe isotopic measurements in higher plants. *Comptes Rendus Geosciences*, 345(s 5-6), 230-240.

Wang, K., Moynier, F., Barrat, J. A., Zanda, B., Paniello, R. C., & Savage, P. S. (2013). Homogeneous distribution of Fe isotopes in the early solar nebula. *Meteoritics & Planetary Science*, 48(3), 354-364.

Wang, K., Moynier, F., Podosek, F. A., & Foriel, J. (2012). An iron isotope perspective on the origin of the nanophase metallic iron in lunar regolith. *Earth & Planetary Science Letters*, 337-338(4), 17-24.

Wang, K., Moynier, F., Dauphas, N., Barrat, J. A., Craddock, P., & Sio, C. K. (2012). Iron isotope fractionation in planetary crusts. *Geochimica Et Cosmochimica Acta*, 89(4), 31-45.