

# 81 Prof. Zifu Zhao



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## Education

B.S., Geochemistry, University of Science and Technology of China, 1996

Ph.D., Geochemistry, University of Science and Technology of China, 2001

## Work Experience

Lecturer, University of Science and Technology of China, 2001-2003

Associate Professor, University of Science and Technology of China, 2004-2007

Professor, University of Science and Technology of China, 2008-present

## Research Interests

petrogeochemistry

chemical geodynamics

## Services & Awards

2004, The second winner of National Prize for Natural Sciences

2005, Science and Technology Award for the youth of Anhui province

2005, Program for New Century Excellent Talents in University

2006, Houdefeng Award

2009, Shen-su Sun Award

## Major Publications

Zhao, Z. F., Gao, P., Zheng, Y. F., 2015. The source of Mesozoic granitoids in South China: Integrated geochemical constraints from the Taoshan batholith in the Nanling Range. *Chemical Geology* 395, 11-26.

Zhao, Z. F., Dai, L. Q., Zheng, Y. F. 2013. Postcollisional mafic igneous rocks record crust-mantle interaction during continental deep subduction. *Scientific Reports* 3, 3413; DOI:10.1038/srep03413.

Zhang, J., Zhao, Z. F., Zheng, Y. F., Liu, X. M., Xie, L. W., 2012. Zircon Hf-O isotope and whole-rock geochemical constraints on origin of postcollisional mafic to felsic dykes in the Sulu orogen. *Lithos*, 136-139, 225-245.

Yang, Q. L., Zhao, Z. F., Zheng, Y. F., 2012. Modification of subcontinental lithospheric mantle above continental subduction zone: Constraints from geochemistry of Mesozoic gabbroic rocks in southeastern North China. *Lithos* 146-147, 164-182.

Xu, Z., Zhao, Z. F., Zheng, Y. F., 2012. Slab-mantle interaction for thinning of cratonic lithospheric mantle in North China: Geochemical evidence from Cenozoic continental basalts in central Shandong. *Lithos* 146-147, 202-217.

Zhao, Z. F., Zheng, Y. F., Zhang, J., Dai, L. Q., Li, Q., Liu, X., 2012. Syn-exhumation magmatism during continental collision: Evidence from alkaline intrusives of Triassic age in the Sulu

- orogen. *Chemical Geology* 328, 70-88.
- Dai, L. Q., Zhao, Z. F., Zheng, Y. F., Zhang, J., 2012. The nature of orogenic lithospheric mantle: Geochemical constraints from postcollisional mafic-ultramafic rocks in the Dabie orogen. *Chemical Geology* 334, 99-121.
- Yang, Q. L., Zhao, Z. F., Zheng, Y. F., 2012. Slab-mantle interaction in continental subduction channel: Geochemical evidence from Mesozoic gabbroic intrusives in southeastern North China. *Lithos* 155, 442-460.
- Dai, L. Q., Zhao, Z. F., Zheng, Y. F., Li, Q.L., Yang, Y.H., Dai, M.N., 2011. Zircon Hf-O isotope evidence for crust-mantle interaction during continental deep subduction. *Earth and Planetary Science Letters*, 308 (1-2), 229-244.
- Zhao, Z. F., Zheng, Y. F., Wei, C. S., Wu, F. Y., 2011. Origin of postcollisional magmatic rocks in the Dabie orogen: Implications for crust-mantle interaction and crustal architecture. *Lithos*, 126 (1-2), 99-114.
- Wang, Y., Zhao, Z. F., Zheng, Y. F., Zhang, J. J., 2011. Geochemical constraints on the nature of mantle source for Cenozoic continental basalts in east-central China. *Lithos*, 125 (3-4), 940-955.