

# 60 Prof. Yuanbao Wu



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## Education

B.A. Geochemistry, China University of Geosciences, Wuhan, China, 1994

M.A. Geochemistry, University of Science and Technology of China, Hefei, China, 1997

Ph.D. Geochemistry, University of Science and Technology of China, Hefei, China, 2002

## Work Experience

Associate Professor, University of Science and Technology of China, 2004-2005

Professor, University of Science and Technology of China, 2006-present

## Research Interests

High-ultrahigh pressure metamorphism

Orogenic process and the formation and evolution of the earth's crust

Isotope geochemistry

Precambrian geology

## Major Publications

- Zhengwei Qin, Yuanbao Wu\*, Wolfgang Siebel, Shan Gao, Hao Wang, Mohammed I.M. Abdallsamed, Wenxiang Zhang, Saihong Yang. 2015. Genesis of adakitic granitoids by partial melting of thickened lower crust and its implications for early crustal growth: A case study from the Huichizi pluton, Qinling orogen, central China. *Lithos*, 238:1-12 (\*通讯作者)
- Yang, Jianzhou; Liu, Xiaochi; Yuanbao Wu\*, 2015. Zircon Record of Ocean-Continent subduction transition process of Dulan UHPM Belt, North Qaidam. *Journal of Earth Sciences*. 26(5): 617-625
- Guangyan Zhou, Yuanbao Wu\*, Shan Gao, Jianzhou Yang, Jianping Zheng, Zhengwei Qin, Hao Wang, Saihong Yang, 2015. The 2.65 Ga A-type granite in the northeastern Yangtze craton: Petrogenesis and geological implications. *Precambrian Research*. 258:247-259.
- Wu, Y.B., Zhou, G.Y., Gao, S., Liu, X.C., Qin, Z.W., Wang, H., Yang, J.Z., Yang, S.H., 2014. Petrogenesis of Neoproterozoic TTG rocks in the Yangtze Craton and its implication for the formation of Archean TTGs. *Precambrian Research* 254, 73-86.
- Liu, X.C., Wu, Y.B\*, Gao S., Wang, H., Zheng, J.P., Hu, Z.C., Zhou, L., Yang, S.H., 2014. Record of multiple stage channelized fluid and melt activities in deeply subducted slab from zircon U-Pb age and Hf-O isotope compositions. *Geochim. Cosmochim. Acta* 144, 1-24.
- Wu, Y.B., Wang, H., Gao, S., Hu, Z.C., Liu, X.C., Gong, H.J., 2014. LA-ICP-MS monazite U-Pb age and trace element constraints on the granulite-facies metamorphism in the Tongbai orogen, central China. *Journal of Asian Earth Sciences* 82, 90-102.
- Wang, H., Wu, Y.B\*, Gao, S., Zheng, J.P., Liu, Q., Liu, X.C., Qin, Z.W., Yang, S.H., Gong, H.J.,

2014. Deep subduction of continental crust in accretionary orogen: Evidence from U-Pb dating on diamond-bearing zircons from the Qinling orogen, central China. *Lithos* 190–191, 420–429.
- Liu, Q., Wu, Y.B.\*, Wang, H., Gao, S., Qin, Z.W., Liu, X.C., Yang, S.H., Gong, H.J., 2014. Zircon U-Pb ages and Hf isotope compositions of migmatites from the North Qinling terrane and their geological implications. *Journal of Metamorphic Geology* 32, 177–193.
- Qin, Z.W., Wu, Y.B.\*, Wang, H., Gao, S., Zhu, L.Q., Zhou, L., Yang, S.H., 2014. Geochronology, geochemistry, and isotope compositions of Piaoichi S-type granitic intrusion in the Qinling orogen, central China: Petrogenesis and tectonic significance. *Lithos* 202–203, 347–362.
- Wang, H., Wu, Y.B.\*, Li, C.R., Zhao, T.Y., Qin, Z.W., Zhu, L.Q., Gao, S., Zheng, J.P., Liu, X.M., Zhou, L., Zhang, Y., Yang, S.H., 2014. Recycling of sediment into the mantle source of K rich mafic rocks: Sr–Nd–Hf–O isotopic evidence from the Fushui complex in the Qinling orogen. *Contributions to Mineralogy and Petrology* 168, 1062, 1–19.
- Wu, Y.B., Zheng, Y.F., 2013. Tectonic evolution of a composite collision orogen: an overview on the Qinling–Tongbai–Hong’an–Dabie–Sulu orogenic belt in central China. *Gondwana Research* 23, 1402–1428.
- Wang, H., Wu, Y.B.\*, Gao, S., Liu, X.C., Liu, Q., Qin, Z.W., Xie, S.W., Zhou, L., Yang, S.H., 2013a. Continental origin of eclogites in the North Qinling terrane and its tectonic implications. *Precambrian Research* 230, 13–30.
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- Xie, S.W., Wu, Y.B.\*, Zhang, Z.M., Qin, Y.C., Liu, X.C., Wang, H., Qin, Z.W., Liu, Q., Yang, S.H., 2012. U-Pb ages and trace elements of detrital zircons from Early Cretaceous sedimentary rocks in the Jiaolai Basin, north margin of the Sulu UHP terrane: Provenances and tectonic implications. *Lithos*, 154, 346–360.
- Liu, X. C., Wu, Y. B.\*, Gao, S., Liu, Q., Wang, H., Li, Q. L., Li, X. H., Qin, Z. W., and Gong, H. J., 2012, First recording and timing of UHP metamorphism from zircon in the Xitieshan terrane and their implications for the evolution of the whole North Qaidam metamorphic belt. *American Mineralogist* 97, 1083–1093.
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- Shiwen Xie, Yuanbao Wu\*, Shan Gao, Xiaochi Liu, Lian Zhou, Laishi Zhao, Zhaochu Hu, 2012. Sr–Nd isotopic and geochemical constraints on provenance of late Paleozoic to early

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