



張曉冉 Zhang Xiao-ran 博士後研究

TEL: +886-2-33662921

E-mail: zhangxr@earth.sinica.edu.tw

zxr627@163.com

RESEARCH INTERESTS:

Petrology; Geochemistry; Metamorphism; Detrital zircon; Zircon Hf isotope mapping; Tibet; Central Asian Orogenic Belt; Chinese Tianshan; Subduction zone processes.

EDUCATION AND WORKING EXPERIENCE:

- Aug. 2016 till now: Postdoc at Institute of Earth Sciences, Academia Sinica (Taipei);
- Jun. 2016 to Aug. 2016: Research Assistant at Department of Earth Sciences, The University of Hong Kong (Hong Kong);
- Sep. 2012 to Jun. 2016: Ph.D. at Department of Earth Sciences, The University of Hong Kong (Hong Kong);
- Sep. 2009 to Jun. 2012: M.S. at Institute of Tibetan Plateau Research, Chinese Academy of Sciences (Beijing);
- Sep. 2005 to Jun. 2009: B.S. at Department of Earth Sciences, Nanjing University (Nanjing);

PUBLICATIONS:

1. **Zhang, X.R.**, Zhao, G.C., Eizenhöfer, P.R., Sun, M., Han, Y.G., Hou, W.Z., Liu, D.X., Wang, B., Liu, Q., Xu, B., **2016**. Late Ordovician adakitic rocks in the Central Tianshan block, NW China: Partial melting of lower continental arc crust during back-arc basin opening. *Geological Society of America Bulletin*, in press.
2. **Zhang, X.R.**, Zhao, G.C., Sun, M., Eizenhöfer, P.R., Han, Y.G., Hou, W.Z., Liu, D.X., Wang, B., Liu, Q., Xu, B., **2016**. Tectonic evolution from subduction to arc-continent collision of the Junggar ocean: Constraints from U-Pb dating and Hf isotopes of detrital zircons from the North Tianshan belt, NW China. *Geological Society of America Bulletin* 128, 644-660.

3. **Zhang, X.R.**, Zhao, G.C., Eizenhöfer, P.R., Sun, M., Han, Y.G., Hou, W.Z., Liu, D.X., Wang, B., Liu, Q., Xu, B., Zhu, C.Y.L., **2016**. Tectonic transition from Late Carboniferous subduction to Early Permian post-collisional extension in the Eastern Tianshan, NW China: Insights from geochronology and geochemistry of mafic-intermediate intrusions. *Lithos* 256-257, 269-281.
4. Han, Y.G., Zhao, G.C., Cawood, P.A., Sun, M., Eizenhöfer, P.R., Hou, W.Z., **Zhang, X.R.**, Liu, Q., **2016**. Tarim and North China cratons linked to northern Gondwana through switching accretionary tectonics and collisional orogenesis. *Geology* 44, 95-98.
5. Han, Y.G., Zhao, G.C., Sun, M., Eizenhöfer, P.R., Hou, W.Z., **Zhang, X.R.**, Liu, Q., Wang, B., Liu, D.X., Xu, B., **2016**. Late Paleozoic subduction and collision processes during the amalgamation of the Central Asian Orogenic Belt along the South Tianshan suture zone. *Lithos* 246-247, 1-12.
6. Han, Y.G., Zhao, G.C., Sun, M., Eizenhöfer, P.R., Hou, W.Z., **Zhang, X.R.**, Liu, D.X., Wang, B., **2016**. Detrital zircon provenance constraints on the initial uplift and denudation of the Chinese western Tianshan after the assembly of the southwestern Central Asian Orogenic Belt. *Sedimentary Geology* 339, 1-12.
7. Liu, Q., Zhao, G.C., Sun, M., Han, Y.G., Eizenhöfer, P.R., Hou, W.Z., **Zhang, X.R.**, Zhu, Y.L., Wang, B., Liu, D.X., Xu, B., **2016**. Early Paleozoic subduction processes of the Paleo-Asian Ocean: Insights from geochronology and geochemistry of Paleozoic plutons in the Alxa Terrane. *Lithos* 262, 546-560.
8. Zhu, C.Y.L., Zhao, G.C., Sun, M., Eizenhöfer, P.R., Liu, Q., **Zhang, X.R.**, Han, Y.G., Hou, W.Z., **2016**. Geochronology and geochemistry of the Yilan greenschists and amphibolites in the Heilongjiang Complex, northeastern China and tectonic implications. *Gondwana Research*, doi: 10.1016/j.gr.2016.02.001.
9. **Zhang, X.R.**, Zhao, G.C., Eizenhöfer, P.R., Sun, M., Han, Y.G., Hou, W.Z., Liu, D.X., Wang, B., Liu, Q., Xu, B., **2015**. Latest Carboniferous closure of the Junggar ocean constrained by geochemical and zircon U-Pb-Hf isotopic data of granitic gneisses from the Central Tianshan block, NW China. *Lithos* 238, 26-36.
10. **Zhang, X.R.**, Zhao, G.C., Eizenhöfer, P.R., Sun, M., Han, Y.G., Hou, W.Z., Liu, D.X., Wang, B., Liu, Q., Xu, B., **2015**. Paleozoic magmatism and metamorphism in the Central Tianshan block revealed by U-Pb and Lu-Hf isotope studies of detrital zircons from the South Tianshan belt, NW China. *Lithos* 233, 193-208.
11. Han, Y.G., Zhao, G.C., Sun, M., Eizenhöfer, P.R., Hou, W.Z., **Zhang, X.R.**, Liu, D.X., Wang, B., Zhang, G.W., **2015**. Paleozoic accretionary orogenesis in the Paleo-Asian Ocean: Insights from detrital zircons from Silurian to Carboniferous strata at the northwestern margin of the Tarim Craton. *Tectonics* 34, 334-351.
12. Huang, Q.S., Shi, R.D., O'Reilly, S.Y., Griffin, W.L., Zhang, M., Liu, D.L., **Zhang, X.R.**, **2015**. Re-Os isotopic constraints on the evolution of the Bangong-Nujiang Tethyan oceanic mantle, Central Tibet. *Lithos* 224-225, 32-45.
13. Huang, W.T., Dupont-Nivet, G., Lippert, P.C., van Hinsbergen, D.J.J., Dekkers, M.J., Guo, Z.J., Waldrip, R., Li, X.C., **Zhang, X.R.**, Liu, D.D., Kapp, P., **2015**. Can a primary remanence be retrieved from partially remagnetized Eocene volcanic rocks in the Nanmulin Basin (southern Tibet) to date the India-Asia collision? *Journal of Geophysical Research: Solid Earth* 120, 42-66.
14. Liu, D.L., Shi, R.D., Ding, L., Huang, Q.S., **Zhang, X.R.**, Yue, Y.H., Zhang, L.Y., **2015**. Zircon U-Pb age and Hf isotopic compositions of Mesozoic granitoids in southern Qiangtang, Tibet: Implications for the subduction of the Bangong-Nujiang Tethyan Ocean. *Gondwana Research*, in press, doi: 10.1016/j.gr.2015.04.007.

15. Liu, Q., Zhao, G.C., Sun, M., Eizenhöfer, P.R., Han, Y.G., Hou, W.Z., **Zhang, X.R.**, Wang, B., Liu, D.X., Xu, B., **2015**. Ages and tectonic implications of Neoproterozoic ortho-and paragneisses in the Beishan Orogenic Belt, China. *Precambrian Research* 266, 551-578.
16. Zhu, C.Y.L., Zhao, G.C., Sun, M., Liu, Q., Han, Y.G., Hou, W.Z., **Zhang, X.R.**, Eizenhöfer, P.R., **2015**. Geochronology and geochemistry of the Yilan blueschists in the Heilongjiang Complex, northeastern China and tectonic implications. *Lithos* 216-217, 241-253.
17. **Zhang, X.R.**, Shi, R.D., Huang, Q.S., Liu, D.L., Gong, X.H., Chen, S.S., Wu, K., Yi, G.D., Sun, Y.L., Ding, L., **2014**. Early Jurassic high-pressure metamorphism of the Amdo terrane, Tibet: Constraints from zircon U-Pb geochronology of mafic granulites. *Gondwana Research* 26, 975-985.
18. Shi, R.D., Griffin, W.L., O'Reilly, S.Y., Zhou, M.F., Zhao, G.C., Huang, Q.S., **Zhang, X.R.**, Ding, B.H., Ding, L., **2012**. Archean mantle contributes to the genesis of chromitite in the Paleozoic Sartohay ophiolite, Asiatic Orogenic Belt, northwestern China. *Precambrian Research* 216-219, 87-94.
19. Shi, R.D., Griffin, W.L., O'Reilly, S.Y., Huang, Q.S., **Zhang, X.R.**, Liu, D.L., Zhi, X.C., Xia, Q.X., Ding, L., **2012**. Melt/mantle mixing produces podiform chromite deposits in ophiolites: Implications of Re-Os systematics in the Dongqiao Neo-tethyan ophiolite, northern Tibet. *Gondwana Research* 21, 194-206.
20. **Zhang, X.R.**, Shi, R.D., Huang, Q.S., Liu, D.L., Cidan, S.L., Yang, J.S., Ding, L., **2010**. Finding of high-pressure mafic granulites in the Amdo basement, central Tibet. *Chinese Science Bulletin* 55, 3694-3702.

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2. **Zhang, X.R.**, Zhao, G.C., Eizenhöfer, P.R., Sun, M., Han, Y.G., Hou, W.Z., Liu, D.X., Wang, B., Liu, Q., Xu, B., **2014**. Tectonic evolution from oceanic subduction to continent-arc collision of the Junggar ocean: Constraints from U-Pb dating and Hf isotopes of detrital zircons from the North Tianshan belt. 2014 Geological Society of America (GSA) Annual Meeting. 19-22 October, Vancouver, Canada.
3. **Zhang, X.R.**, Shi, R.D., Huang, Q.S., Liu, D.L., Cidan, S.L., **2010**. New high-temperature and-pressure granulites in Amdo basement, central Tibet. 2010 Goldschmidt Conference. 12-19 June, Tennessee, USA.