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### ➤ RESEARCH INTERESTS

1. Oceanic and continental mafic-ultramafic rocks;
2. Petrology and Mg, Fe and Li stable isotopic geochemistry of mafic-ultramafic rocks;
3. Magmatic ore deposits associated with mafic-ultramafic rocks;
4. Felsic volcanic rocks in subduction zones

### ➤ EDUCATION AND WORKING EXPERIENCE

2016. 8-2017.10 Postdoc at Institute of Earth Sciences, Academia Sinica

2015. 3-2016.7 Postdoc at Department of Geosciences, National Taiwan University

2015. 1 till now Postdoc at Institute of Geology and Geophysics, Chinese Academy of Sciences

2014. 8-2015. 2 Research assistant in the Department of Earth Sciences, University of Hong Kong

2010. 9-2014. 7 Ph.D student of Igneous Petrology and Magmatic Ore Deposits at the University of Hong Kong

2009. 9-2010. 8 MPhil student of Economic Geology in the Institute of Geology and Geophysics, Chinese Academy of Sciences

2005. 9-2009. 8 B.S. of Geology at China University of Geosciences (Beijing)

### ➤ PUBLICATIONS (First author and representative co-authored papers)

1. **Liu, P.-P.**, Zhou, M.-F., Ren, Z.-Y., Wang, C.Y., Wang, K., **2016**. Immiscible Fe- and Si-rich silicate melts in plagioclase from the Baima mafic intrusion (SW China): implications for the origin of bi-modal igneous suites in large igneous provinces. *Journal of Asia Earth Sciences* 127, 211-230.
2. **Liu, P.-P.**, Zhou, M.-F., Yan, D.-P., Zhao, G.-C., Su, S.-G., Wang, X.-L., **2015**. The Shangzhuang Fe-Ti oxide-bearing layered mafic intrusion, northeast of Beijing (North China): Implications for the mantle source of the giant Late Mesozoic magmatic event in the North China Craton. *Lithos* 231, 1-15.
3. **Liu, P.-P.**, Zhou, M.-F., Chen, W. T., Gao, J.-F., Huang, X.-W., **2015**. In-situ LA-ICP-MS trace elemental analyses of magnetite: Fe-Ti(V) oxide-bearing mafic-ultramafic layered intrusions of the Emeishan Large Igneous Province, SW China. *Ore Geology Reviews* 65(4), 853-871.

4. **Liu, P.-P.**, Zhou, M.-F., Chen, W. T., Boone, M., Cnudde, V., **2014**. Using multiphase solid inclusions to constrain the origin of the Baima Fe-Ti-(V) oxide deposit, SW China. *Journal of Petrology* 55, 951-976.
5. **Liu, P.-P.**, Zhou, M.-F., Luais, B., Cividini, D., Rollion-Bard, C., **2014**. Disequilibrium Fe isotopic fractionation during the high-temperature magmatic differentiation of the Baima Fe-Ti oxide-bearing mafic intrusion, SW China. *Earth and Planetary Science Letters* 399, 21-29.
6. **Liu, P.-P.**, Zhou, M.-F., Wang, C.Y., Xing, C.-M., Gao, J.-F., **2014**. Open magma chamber processes in the formation of the Permian Baima mafic-ultramafic layered intrusion, SW China. *Lithos* 184: 194-208.
7. **Liu, P.-P.**, Qin, K.Z., Su, S.G., San, J.Z., Tang, D.M., Su, B.X., Sun, H., Xiao, Q.H, **2010**. Characteristics of multiphase sulfide droplets and their implications for conduit-style mineralization of Tulaergen Cu-Ni deposit, eastern Tianshan, Xinjiang. *Acta Petrologica Sinica* 26(2): 523-532
8. Zhou, M.-F., Chen, W.T., Wang, C.Y., Prevec, S.A., **Liu, P.-P.**, Howarth, G.H., **2013**. Two stages of immiscible liquid separation in the formation of Panzihua-type Fe-Ti-V oxide deposits, SW China. *Geoscience Frontiers* 4, 481-502.
9. Su, B.X., Qin, K.Z., Sakyi, P.A., **Liu, P.-P.**, Tang, D.M., Malaviarachchi, S.P.K., Xiao,Q.H., Sun, H., Dai, Y.C., Yan, H., **2011**. Geochemistry and geochronology of acidic rocks in the Beishan region, NW China: Petrogenesis and tectonic implications. *Journal of Asian Earth Sciences*, 41(1): 31-43.
10. Qin, K.-Z., Su, B.-X., Sakyi, P.A., Tang, D.-M., Li, X.-H., Sun, H., Xiao, Q.-H., **Liu, P.-P.**, **2011**. SIMS zircon U-Pb geochronology and Sr-Nd isotopes of Ni-Cu-Bearing Mafic-Ultramafic Intrusions in Eastern Tianshan and Beishan in correlation with flood basalts in Tarim Basin (NW China): Constraints on a ca. 280 Ma mantle plume. *American Journal of Science* 311, 237-260.

## ➤ CONFERENCE PRESENTATIONS

1. Oral presentation in the 2016 Goldschmidt conference held in Yokohoma, Japan
2. Oral presentation in the 14<sup>th</sup> Quadrennial IAGOD Symposium-Mineral Resources: Discovery and Utilization held in Kunming, China in 2014.8
3. Poster presentation in the 2014 Goldschmidt conference held in Sacramento, CA, USA
4. Oral presentation in the 2014 “International Workshop on Ophiolites, Mantle Processes and Related Ore Deposits”
5. Poster presentation in the 2013 Goldschmidt conference held in Florence, Italy.
6. Oral presentation in the 2012 Goldschmidt conference held in Montreal, Canada
7. Attending the 12th International Ni-Cu-(PGE) Symposium held in Guiyang, China, 2012
8. Oral presentation in the 11th International Ni-Cu-(PGE) Symposium held in Xi’an, China, 2009