

# 18 Prof. Shaoyong Jiang



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## Education

B.A. Peking University, Beijing, China, 1984

M.A. Geochemistry, Peking University, Beijing, China, 1987

Ph.D. Geochemistry, University of Bristol, Bristol, UK, 1995

## Work Experience

Associate Researcher, The Chinese academy of geological sciences institute of mineral resources, 1987-1992

Associate Professor, University of Bristol, Bristol, UK, 1995-1996

Professor, University of Nanjing, Nanjing, 1999-2013

Professor, China University of Geosciences, Wuhan, 2013-present

## Research Interests

Geochemistry of mineral deposits; Geochronology and isotope geochemistry; Marine mineral resources and the Marine environment

## Major Publications

Pi, D.H., Liu, C.Q., Graham, A., et al., 2013, Trace and rare earth element geochemistry of black shale and kerogen in the early Cambrian Niutitang Formation in Guizhou province, South China: Constraints for redox environments and origin of metal enrichments. *Precambrian Research*, 225: 218-229.

Ge, L., Jiang, S.Y., 2013, Sr isotopic compositions of cold seep carbonates from the South China Sea and the Panoche Hills (California, USA) and their significance in palaeoceanography. *Journal of Asian Earth Sciences*, <http://dx.doi.org/10.1016/j.jseaes.2012.10.016>

Li, Y.P., Jiang, S.Y., 2013, Major cation/chlorine ratio and stable chlorine isotopic compositions of sediment interstitial water in the Brazos-Trinity Basin IV from the Gulf of Mexico (IODP 308), *Journal of Asian Earth Sciences*, 65, 42-50 .

Zhu, B., Becker, H., Jiang, S.Y., et al., 2013, Re-Os geochronology of black shales from the Neoproterozoic Doushantuo Formation, Yangtze platform, *South China. Precambrian Research*, 225: 67-76.

Guo, W.M., Lu, J.J., Jiang, S.Y., et al., 2013, Chronology, Hf isotopes, geochemistry, and petrogenesis of the magmatic rocks in the Shizishan ore field of Tongling, Anhui province. *Science China Earth Sciences*, 56(6): 993-1013.

Yang, S.Y., Jiang, S.Y., 2012, Chemical and boron isotopic composition of tourmaline in the Xiangshan volcanic-intrusive complex, Southeast China: evidence for boron mobilization and infiltration during magmatic-hydrothermal processes. *Chemical Geology*, 312-313: 177-189.

- Zhao, H.X., Jiang, S.Y., Hartwig, E., et al., 2012, Geochemistry, geochronology and Sr-Nd-Hf isotopes of two Mesozoic granitoids in the Xiaoqinling gold district: Implication for large-scale lithospheric thinning in the North China Craton, *Chemical Geology*, 294-295: 173-189.
- Yang, T., Jiang S.Y., 2012, A new method to determine carbon isotopic composition of dissolved inorganic carbon in seawater and pore waters by CO<sub>2</sub>-water equilibrium. *Rapid Communications in Mass Spectrometry*, 26(7): 805-810.
- Zhao, K.D., Jiang S.Y., Yang S.Y., et al., 2012, Mineral chemistry, trace elements and Sr-Nd-Hf isotope geochemistry and petrogenesis of Cailing and Furong granites and mafic enclaves from the Qitianling batholith in the Shi-Hang zone, South China. *Gondwana Research*, 22: 310-324.
- Yang, S.Y., Jiang, S.Y., Zhao, K.D., et al., 2012, Geochronology, geochemistry and tectonic significance of two Early Cretaceous A-type granites in the Gan-Hang Belt, *Southeast China. Lithos*, 150: 155-170.
- Hu, J., Jiang, S.Y., Zhao, H.X., et al., 2012, Geochemistry and petrogenesis of the Huashan granites and their implications for the Mesozoic tectonic settings in the Xiaoqinling gold mineralization belt, NW China. *Journal of Asian Earth Sciences*, 56, 276-289
- Wei, H.Z., Jiang, S.Y., Xiao, Y.K., et al., 2012, Precise Determination of the Absolute Isotopic Abundance Ratio and the Atomic Weight of Chlorine in Three International Reference Materials by the Positive Thermal Ionization Mass Spectrometer-Cs<sub>2</sub>Cl+Graphite Method. *Analytical Chemistry*, 84, 10350-10358
- Zhu, Z.Y., Jiang S.Y., Liu, G.X., et al., 2012, Precise dating of the Middle Permian: Zircon U-Pb geochronology from volcanic ash beds in the basal Gufeng Formation, Yangtze region, *South China. Gondwana Research*, <http://dx.doi.org/10.1016/j.gr.2012.08.008>
- Wu, H.P., Jiang, S.Y., Wei, H.Z., et al., 2012, An experimental study of organic matters that cause isobaric ions interference for boron isotopic measurement by thermal ionization mass spectrometry. *International Journal of Mass Spectrometry*, 328-329, 67-77.
- Zhou, C.M., Jiang, S.Y., Xiao, S.H., et al., 2012, Rare earth elements and carbon isotope geochemistry of the Doushantuo Formation in South China: Implication for middle Ediacaran shallow marine redox conditions. *Chinese Science Bulletin*, doi: 10.1007/s11434-012-5082-6.
- Wang, G.G., Ni, P., Zhao, K.D., et al., 2012, Petrogenesis of the Middle Jurassic Yinshan volcanic-intrusive complex, SE China: Implications for tectonic evolution and Cu-Au mineralization. *Lithos*, 150: 135-154.
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