

86 Prof. Xiang Wu



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Education

B.A. Gemology and Material Technique, China University of Geosciences, Wuhan, China, 2000

M.A. Mineralogy Petrology and Deposits, Peking University, Beijing, China, 2002

Ph.D. Condensed Matter Physics, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing, China, 2005

Work Experience

Professor, China University of Geosciences, Wuhan, China, 2015-present

Distinguished researcher, Peking University, Beijing, China, 2009.9-2015

Alexander von Humboldt Scholars, University of Bayreuth Bavaria in Germany Geological Institute, 2007.8-2009.8

Visiting Scholar, Okayama University, 2006.8-2007.7

Visiting Scholar, Institute of High Energy Physics, Chinese Academy of Sciences, 2005.8-2006.7

Research Interests

High-pressure mineral physics

Major Publications

Gu, T., Fei, Y., Wu, X., Qin, S. (2016). Phase stabilities and spin transitions of $\text{Fe}_3(\text{S}_{1-x}\text{P}_x)$ at high pressure and its implications in meteorites. *American Mineralogist*, 101(1), 205-210.

Gu, X., Qin, S., Wu, X., Li, Y., Liu, Y. (2016). Preparation and thermal characterization of sodium acetate trihydrate/expanded graphite composite phase change material. *Journal of Thermal Analysis and Calorimetry*, 125(2), 831-838.

Zhang, Q., Wu, X., Ovsyannikov, S. V., Dong, J., Qin, S., Dubrovinsky, L. S., et al. (2016). High-pressure, high-temperature synthesis and properties of the monoclinic phase of Y_2O_3 . *Chemical Research in Chinese Universities*, 32(4), 545-548.

Gao, J., Wu, X., Qin, S., Li, Y. (2016). Pressure-induced phase transformations of PbCo_3 by x-ray diffraction and Raman spectroscopy. *High Pressure Research*, 36, 1-15.

Qin, F., Wu, X., Wang, Y., Fan, D., Qin, S., & Yang, K., et al. (2016). High-pressure behavior of natural single-crystal epidote and clinozoisite up to 40 GPa. *Physics & Chemistry of Minerals*, 1-11.

Huang, W., Li, B., Saleem, M. F., Wu, X., Li, J., Lin, J., et al. (2015). Self-assembled alluaudite $\text{Na}_2\text{Fe}_{3-x}\text{Mn}_x(\text{PO}_4)_3$ micro/nanocompounds for sodium-ion battery electrodes: a new insight into their electronic and geometric structure. *Chemistry - A European Journal*, 21(2), 851-60.

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- Zhu, F., Lai, X., Wu, X., Li, Y., Qin, S. (2014). Experimental and theoretical investigation on the compression mechanism of Fe_3P up to 62.0 gpa. *Acta Crystallographica Section B*, 70(5), 801–808.
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- Wu, Y., Wu, X., Qin, S., Yang, K. (2013). Compressibility and phase transition of intermetallic compound Fe_2Ti . *Journal of Alloys & Compounds*, 558(5), 160-163.
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- Wu, X., Yang, J. (2013). Whether the analyst reports change managers' behavior?. *International Journal of Business & Social Science*.
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