82 Prof. Jianping Zheng

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Education

B.A. Petromineralogy, China University of Geosciences, Wuhan, China, 1985
M.A. Petromineralogy, China University of Geosciences, Wuhan, China, 1988
Ph.D. Petromineralogy, China University of Geosciences, Wuhan, China, 1997

Work Experience

Lecturer, China University of Geosciences, Wuhan, China, 1988-1996
Associate Professor, China University of Geosciences, Wuhan, China, 1996-2000
Professor, China University of Geosciences, Wuhan, China, 2000-present

Research Interests

Lithospheric mantle, mantle fluid and crust-mantle processes through time
Continental lower crust formation and modification and its link with mantle process
Magmatism, basin basement and basin dynamics

Committee Responsibilities and Professional Activities

Secretary of Mantle Mineralogy, Petrology and Geochemistry Committee of Chinese, Honorary Associate of Earth and Planetary Sciences in Macquarie University,and Naional Key Centre for Geochemical Evolution and Metallogeny of Continents (GEMOC)

Major Publications

Zheng, J. P., Griffin, W. L., O'Reilly, S. Y., Lu, F. X., et al., 2004. 3.6 Ga lower crust in central China: New evidence on the assembly of the North China Craton. Geology, 32, 229-232

Zheng, J. P., Griffin, W. L., O'Reilly, S. Y., Zhang, M., Pearson, N.,2006. Widespread Archean basement beneath the Yangtze Craton. Geology, 34, 417-420

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Zheng, J. P., Griffin, W. L., O'Reilly, S. Y., Yu, C. M., Zhang, H. F., Pearson, N., Zhang, M., 2007. Mechanism and timing of lithospheric modification and replacement beneath the eastern North China Craton: Peridotitic xenoliths from the 100 Ma Fuxin basalts and a regional synthesis. Geochim. Cosmochim. Acta 71, 5203–5225

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Zheng, J. P., Griffin, W. L., 2006. Mineral chemistry of peridotites from Paleozoic, Mesozoic and Cenozoic lithosphere: constraints on mantle evolution beneath easternChina. J. Petrology 47, 2233-2256

Zheng, J. P., Zhang, R. Y, Griffin, W. L., 2005. Heterogeneous and metasomatised mantle recorded by trace elements in minerals of the Donghai garnet peridotites, Sulu UHP terrane,China. Chem. Geol. 221, 243-259

Zheng, J. P., Sun, M., Griffin, W. L., Zhou, M. F., Zhao, G. C., Robinson, P., Tang, H. Y., Zhang ,Z.H. ,2008. Age and geochemistry of contrasting peridotite types in the Dabie UHP belt, easternChina: Petrogenetic and geodynamic implications. Chem. Geol. 247, 282-304

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