37 Prof. Changqian Ma

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Education

B.A. Geochemical Prospecting, China University of Geosciences, Wuhan, China, 1982
M.A. Petrology, China University of Geosciences, Wuhan, China, 1989
Ph.D. Geology and Geochemistryy, Åbo Akademi University, 1999

Work Experience

Lecturer, University of Science and Technology of China, 1987.6-1990.3
Associate Professor, University of Science and Technology of China, 1990.3-1991.11
Professor, University of Science and Technology of China, 1991, 12-present

Research Interests

Igneous petrology and geochemistry, magma dynamics, granitic geology; petroleum geology, science education

Services&Awards

Board Member:《Science China Earth Sciences》,《Acta Petrologica Sinica》,《Acta Petrologica et Mineralogica》,《Jouranal of Earth Science》,《Geoscience 》,《Dataset Papers in Geology》

Major Publications

Xiong, F. H., Ma, C. Q, Jiang, H.A., et al. , 2013.Petrogenetic and tectonic significance of Permian calc-alkaline lamprophyres, East Kunlun orogenic belt, Northern Qinghai-Tibet Plateau. International Geology Review, http://dx.doi.org/10.1080/00206814. 2013.804683

Liu, B. M., Chang, Q., Zhang, J. Y., et al., 2013. 40Ar–39Ar age and geochemistry of subduction-related mafic dikes in northern Tibet, China: petrogenesis and tectonic implications. International Geology Review, http://dx.doi.org/ 10.1080/00206814.2013.818804.

She, Z. B., Ma, C.Q., Wan, Y. S., et al., 2012. An Early Mesozoic transcontinental palaeoriver in South China: evidence from detrital zircon U–Pb geochronology and Hf isotopes. Journal of the Geological Society, London, 169: 353-362. doi: 10.1144/0016-76492011-097.

Zhang, J. Y., Ma, C. Q., Li, J. W., et al.， 2012. Geochronology and geochemistry of the Early Cretaceous Jigongshan and Qijianfeng batholiths in the Tongbai orogen,central China: implications for lower crustal delamination. Int J Earth Sci (Geol Rundsch), DOI 10.1007/s00531-012-0849-1.

Zhang, J. Y., Ma, C. Q., Xiong, F. H., et al., 2012. Petrogenesis and tectonic signi ? cance of the Late Permian–Middle Triassic calc-alkaline granites in the Balong region, eastern Kunlun Orogen, China, Geol. Mag. 149 (5):892–908.

Zhang, J. Y., Ma, C. Q., She, Z. B.,2012. An Early Cretaceous garnet-bearing metaluminous A-type granite intrusion in the East Qinling Orogen, central China: Petrological, mineralogical and geochemical constraints, Geoscience Frontiers 3(5): 635-646.

Li, W. Y., Ma, C. Q., Liu, Y. Y., et al., 2012. Discovery of the Indosinianaluminum A-type granite in Zhejiang Province and its geological significance. Science China Earth Sciences, 55(1): 13-25.

Zhang, C., Holtz, Francois, Ma, C. Q., et al.,2012. Tracing the evolution and distribution of F and Cl in plutonic systems from volatile-bearing minerals: a case study from the Liujiawa pluton (Dabie orogen, China), Contributions to Mineralogy and Petrology, 164:859-879.

Xu, H. J., Ma, C. Q., Zhang, J. F., 2012. Generation of Early Cretaceous high-Mg adakitic host and enclaves by magma mixing, Dabie orogen, Eastern China . Lithos, 142-143:182-200.

Xu, H. J., Ma, C. Q., Song, Y. R., et al., 2012.Early Cretaceous intermediate-mafic dykes in the Dabie orogen, eastern China: Petrogenesis and implications for crust-mantle interaction. Lithos, doi:10.1016/j.lithos.2012.06.030.

Xu, H. J., Ma, C. Q., Zhang, J. F., et al., 2012. Early Cretaceous low-Mg adakitic granites from the Dabie orogen, eastern China: Petrogenesis and implications for destruction of the over-thickened lower continental crust. Gondwana Res, doi:10.1016/j.gr.2011.12.009.

Xiong, F. H., Ma, C. Q., Zhang, J. Y., et al.,2012. The origin of mafic microgranular enclaves and their host granodiorites from East Kunlun, Northern Qinghai-Tibet Plateau: implications for magma mixing during subduction of Paleo-Tethyan lithosphere, Mineralogy and Petrology, 104(3-4): 211-224.

Chen, L., Ma, C.Q., Zhang, J.Y. , et al., 2011. Mafic dykes derived from Early Cretaceous depleted mantle beneath the Dabie orogenic belt, implications for changing lithosphere mantle beneath eastern China . Geological Journal, 46(4):333-343.

Ding, L. X., Ma, C. Q., Li, J. W., et al., 2011. Timing and genesis of the adakitic and shoshonitic intrusions in the Laoniushan Complex, southern margin of the North China Craton, implications for post-collisional magmatism associated with the Qinling Orogen. Lithos, 126(3-4):212-232.

Zhang, C., Ma, C. Q., Liao, Q. N., et al., 2011. Implications of subduction and subduction zone migration of the Paleo-Pacific Plate beneath eastern north China , based on distribution, geochronology, and geochemistry of late Mesozoic volcanic rocks. International Journal of Earth Sciences (Geologische. Rundschau), 100(7):1665-1684.

Sun, Y., Ma, C. Q., Liu, Y. Y., et al., 2011.Geochronological and geochemical constraints on the petrogenesis of late Triassic aluminous A-type granites in southeast China. Journal of Asian Earth Sciences, 42:1117-1131.

Zhang, C., Ma, C. Q., Francois Holtz，2011. “ Origin of high-Mg adakitic magmatic enclaves from the Meichuan pluton, southern Dabie orogen (central China): Implications for delamination of the lower continental crust and melt-mantle interaction”—Reply. Lithos, 125(1-2):839-844.

Zhang, L. J., Ma, C. Q., Wang, L. X., et al., 2011. Discovery of Paleoproterozoic rapakivi granite on the northern margin of the Yangtze block and its geological significance.Chinese Science Bulletin ,56(3):306 – 318.

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