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Mineral Resources in North China Craton

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Message from the Guest Editors

The North China Craton is an ancient craton that experienced a long period of stability after the Paleoproterozoic and the destruction of its eastern part during the Mesozoic. The evolution of the North China Craton consists of multiple periods of extensive tectonic–magmatic activities, metamorphism, and various types of volcanic–sedimentary sequences. Besides the records of tectonic activities, the North China Craton also contains significant mineral resources, such as Au, Mo, Cu, Fe, REE, Nb, Pb-Zn, Mg, B, graphite, and diamond. Notably, the genesis of these ore deposits was associated with the assembly and fragmentation of the continents and related transitions of the surface environment. This Special Issue welcomes original articles on new mineralogy and geochemistry data from ores and related rocks within the North China Craton. This issue will contribute significantly to the metallogenic mechanism associated with the tectonic evolution of the craton and future resource exploration.

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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