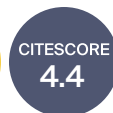




minerals



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Rare Metal and Related Deposits

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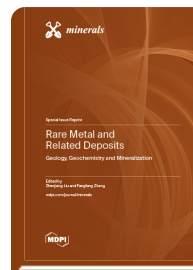
Edited by

Zhenjiang Liu

Fangfang Zhang

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This Reprint brings together nine cutting-edge studies on the geology, geochemistry, and tectonic control of rare-metal and related ore deposits across Asia, Europe, and Africa. The collection explores a wide range of systems, including lithium–tantalum–niobium pegmatites, sediment-hosted copper, silver-rich carbonates, and gold deposits enriched in critical elements such as bismuth, tellurium, and antimony. The included articles reveal the diverse geological drivers that govern metal concentration, including magmatic–hydrothermal processes linked to highly fractionated granites, intracontinental subduction, crust–mantle interactions, and basin inversion. Based on a multidisciplinary collection of methods, including isotope geochemistry, fluid inclusion analysis, and structural modeling, these studies provide crucial insights into ore genesis, mineralizing fluids, and metallogenic chronology.

This Reprint serves a dual purpose: it provides an integrated snapshot of current progress in scientific research on these vital mineral resources, and it also offers a comparative framework to guide future exploration strategies. It is an essential resource for researchers, exploration geologists, and industry professionals aiming to understand the formation of deposits that supply crucial metals for use in green technologies and strategic industries.



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