

Special Issue

Pyrochlore Supergroup and Their Crystal Structures

Message from the Guest Editor

Many synthetic compounds with a crystal structure derived from that of fluorite have great technological importance. Among them are those with a structure of pyrochlore, zirconolite, weberite, murataite, the so-called “delta-phases”, and so on. This Special Issue aims to cover the diversity of research associated with these compounds, the minerals with these structures, their synthesis, and their technological applications. Papers on these aspects are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (28 October 2021)



Minerals

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Impact Factor 2.2
CiteScore 4.4



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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).