Special Issue

Isotope Dating and Geochemistry of Granite

Message from the Guest Editor

Granites are one of the main rocks that not only compose the basement of continents (TTG; alkaline (A-type), igneous (I-type), sedimentary (S-type) granites), but also amalgamate continents separated after plume processes into new supercontinents (Kenorland, Columbia, Rodinia and Pangea) that formed during the Earth's evolution. The geochemical research of granite massifs and dike complexes comprises studies of REE-bearing rocks, zircon and other minerals for precise U-Pb (ID-TIMS), SHRIMP and LA-ICP-MS isotope dating of formation and transformation processes of rocks. This Special Issue invites authors to contribute their works on the isotope geochemistry of granites. We welcome fundamental geochemical studies of granites from the Archean to Paleozoic, showing the whole diversity of research methods, i.e., isotopes, mineralogical surveys, etc.

Guest Editor

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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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