Special Issue

Low-Temperature Thermochronology and Its Applications to Tectonics

Message from the Guest Editors

Low-temperature thermochronology is a useful method for deciphering the tectonics and uplift history of orogenic belts through obtaining the cooling history of rocks. During the past several decades, many related papers have been published. With the development of new technologies, such as (U-Th)/He dating, low-temperature thermochronology is more widely employed in geology. This Special Issue plans to give an overview of the most recent advances in low-temperature thermochronology and its applications to tectonics. Potential topics include, but are not limited to: reviews of low-temperature thermochronology; new research methods; new progress in obtaining cooling and exhumation history; new insights into mountain and plateau uplift; new constraints of fault activity; the preservation and denudation of ore deposits; and future perspectives for low-temperature thermochronology.

Guest Editors

Prof. Dr. Dongliang Liu

Dr. Lin Wu

Prof. Dr. Jingen Dai

Deadline for manuscript submissions

closed (31 August 2024)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/179615

Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Rapid Publication:

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).

MDPI