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Constraining the Timing and Setting of Gold Mineralization from Accessory Phase Minerals

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Deadline for manuscript submissions:
closed (30 June 2024)

Message from the Guest Editors

Dear Colleagues,

Dating gold mineralization and associated hydrothermal activity is inherently difficult as many traditional chronometers are either scarce or susceptible to isotopic resetting during subsequent tectonothermal or hydrothermal events. However, with the proliferation of high-precision, in situ laser and ion-beam instruments, the precise dating, and isotopic and chemical characterization of accessory phase minerals, such as monazite, xenotime, apatite, and rutile, which may be common phases in gold alteration systems, can now be used to precisely constrain the timing and setting of gold mineralization.

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Message from the Editor-in-Chief

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