

Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



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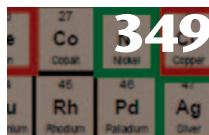
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Metal Stable Isotopes: Signals in the Environment

Guest Editors: Thomas D. Bullen and Anton Eisenhauer



Metal Stable Isotopes in Low-Temperature Systems: A Primer

Thomas D. Bullen and Anton Eisenhauer

ABOUT THE COVER:
Acid mine drainage causes severe environmental damage to the Rio Tinto River, Spain.

Metal stable isotopes may help to determine the sources and fates of the metal contaminants. **PHOTOGRAPH COURTESY OF CAROL STOKER, NASA**

The Odds and Evens of Mercury Isotopes: Applications of Mass-Dependent and Mass-Independent Isotope Fractionation

Bridget A. Bergquist and Joel D. Blum

Reconstructing Paleoredox Conditions through Multitracer Approaches: The Key to the Past Is the Present

Silke Severmann and Ariel D. Ambar

Marine Calcification: An Alkaline Earth Metal Isotope Perspective

Anton Eisenhauer, Başak Kısakürek, and Florian Böhm

Combining Metal Stable Isotope Fractionation Theory with Experiments

Edwin A. Schauble, Merlin Méheut, and Pamela S. Hill

Fractionation of Metal Stable Isotopes by Higher Plants

Friedhelm von Blanckenburg, Nicolaus von Wirén, Monica Guelke, Dominik J. Weiss, and Thomas D. Bullen

Environmental and Biomedical Applications of Natural Metal Stable Isotope Variations

Thomas D. Bullen and Thomas Walczyk

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