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Toxic Metals in the Environment: The Role of Surfaces

Donald L. Sparks Guest Editor



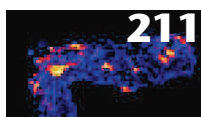
Earth's Nano-Compartment for Toxic Metals

Michael F. Hochella Jr. and Andrew S. Madden



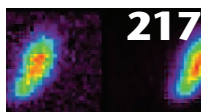
Metal Retention and Transport on Colloidal Particles in the Environment

Ruben Kretzschmar and Thorsten Schäfer



Shining Light on Metals in the Environment

David H. McNear Jr., Ryan Tappero, and Donald L. Sparks



Synchrotron X-ray Investigations of Mineral-Microbe-Metal Interactions

Kenneth M. Kenmer, Edward J. O'Loughlin, Shelly D. Kelly, and Maxim I. Boyanov



Trace Metal Retention on Biogenic Manganese Oxide Nanoparticles

Mario Villalobos, John Bargar, and Garrison Sposito

ABOUT THE COVER:
Low-pH acid mine drainage and reddish Fe-oxyhydroxide precipitates at the periphery of a tailings impoundment in the Joutel area, Quebec. The tailings are from a former copper producer, and the site has since undergone remediation.
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