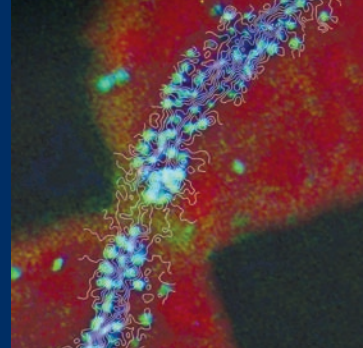


# Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



ABOUT THE COVER:

A composite chemical and magnetic image, by Takeshi Kasama, showing a magnetotactic bacterium in the midst of cell division (mitosis). Red, green, and blue indicate the relative abundances of C, S, and Fe, respectively. Contour lines showing the magnetic flux generated by nanoparticles of greigite and magnetite within the cell were obtained using electron holography.

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## Mineral Magnetism: From Microbes to Meteorites

Guest Editors: Joshua M. Feinberg and Richard J. Harrison



### Mineral Magnetism: Providing New Insights into Geoscience Processes

Richard J. Harrison and Joshua M. Feinberg



### Geodynamo History Preserved in Single Silicate Crystals: Origins and Long-Term Mantle Control

John A. Tarduno



### Magnetism of Extraterrestrial Materials

Pierre Rochette, Benjamin P. Weiss and Jérôme Gattacceca



### Rain and Dust: Magnetic Records of Climate and Pollution

Barbara A. Maher



### Magnetic Nanocrystals in Organisms

Mihály Pósfai and Rafal E. Dunin-Borkowski



### Crustal Magnetism, Lamellar Magnetism and Rocks That Remember

Suzanne A. McEnroe, Karl Fabian, Peter Robinson, Carmen Gaina, and Laurie L. Brown

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