

Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology

Elements is published jointly by the Mineralogical Society of America, the Mineralogical Society of Great Britain and Ireland, the Mineralogical Association of Canada, the Geochemical Society, the Clay Minerals Society, the European Association of Geochemistry, the International Association of GeoChemistry, the Société Française de Minéralogie et de Cristallographie, the Association of Applied Geochemists, the Deutsche Mineralogische Gesellschaft, the Società Italiana di Mineralogia e Petrologia, the International Association of Geoanalysts, the Polskie Towarzystwo Mineralogiczne (Mineralogical Society of Poland), the Sociedad Española de Mineralogía, the Swiss Society of Mineralogy and Petrology, the Meteoritical Society, and the Japan Association of Mineralogical Sciences. It is provided as a benefit to members of these societies.

Elements is published six times a year. Individuals are encouraged to join any one of the participating societies to receive *Elements*. Institutional subscribers to any of the following journals—*American Mineralogist*, *Clay Minerals*, *Clays and Clay Minerals*, *Mineralogical Magazine*, and *The Canadian Mineralogist*—also receive one copy of *Elements* as part of their 2016 subscription. Institutional subscriptions are available for US\$165 (US\$180 non-US addresses) a year in 2016. Contact the executive editor (jross@elements@gmail.com) for information.

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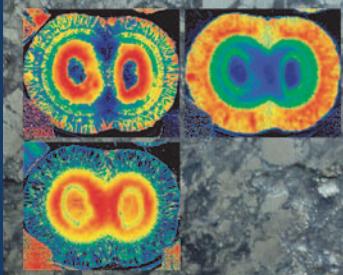
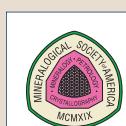
Publications mail agreement no. 40037944

Printed in USA

ISSN 1811-5209 (print)
ISSN 1811-5217 (online)

www.elementsmagazine.org
www.elements.geoscienceworld.org

 **GeoScienceWorld**
Participating Publisher



Cover Image: LA-ICP-MS element maps of a zoned grain of pyrite. Top left: cobalt. Top right: thallium. Bottom left: silver. Photo credit: Simon Jackson

Volume 12, Number 5 • October 2016

Studying the Earth with LA-ICP-MS

Guest Editors: Paul J. Sylvester and Simon E. Jackson



A Brief History of Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS)

Paul J. Sylvester and Simon E. Jackson



Major and Trace Element Analysis of Natural and Experimental Igneous Systems using LA-ICP-MS

Frances E. Jenner and Ricardo D. Arevalo Jr.



Advances in Isotope Ratio Determination by LA-ICP-MS

Jon D. Woodhead, Matthew S.A. Horstwood, and John M. Cottle



Microanalysis of Fluid Inclusions in Crustal Hydrothermal Systems using Laser Ablation Methods

Thomas Wagner, Tobias Fusswinkel, Markus Wölle, and Christoph A. Heinrich



The Role of LA-ICP-MS in Palaeoclimate Research

Wolfgang Müller and Jan Fietzke



Applications of LA-ICP-MS to Forensic Science

José R. Almirall and Tatiana Trejos



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