

# Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



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## Gems

Emmanuel Fritsch and Benjamin Rondeau, Guest Editors



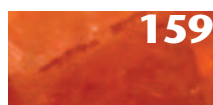
### Gemology: The Developing Science of Gems

Emmanuel Fritsch and Benjamin Rondeau



### Gem Formation, Production, and Exploration: Why Gem Deposits Are Rare and What Is Being Done to Find Them

Lee A. Groat and Brendan M. Laurs



### The Geochemistry of Gems and Its Relevance to Gemology: Different Traces, Different Prices

George R. Rossman



### The Identification of Faceted Gemstones: From the Naked Eye to Laboratory Techniques

Bertrand Devouard and Franck Notari



### Seeking Low-Cost Perfection: Synthetic Gems

Robert E. Kane



### Laboratory-Treated Gemstones

James E. Shigley and Shane F. McClure



### Pearls and Corals: "Trendy Biomineralizations"

Jean-Pierre Gauthier and Stefanos Karamelas

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