GEOSPHERE is an online-only journal that targets an international audience and publishes high-quality research results from all fields of the geosciences. It particularly seeks papers that take advantage of the electronic format.

**THEMED ISSUE: Different Personalities of Granites and Rhyolites: Silicic Magmas from the Lower Crust to the Surface**

1 The spatial association of accessory minerals with biotite in granitic rocks from the South Mountain Batholith, Nova Scotia, Canada
   D. Barrie Clarke, Axel D. Renno, David C. Hamilton, Sabine Gilbricht, and Kai Bachmann

**Current Issue Articles**

156 The building blocks of igneous sheet intrusions: Insights from 3-D seismic reflection data
   Jonas Köpping, Craig Magee, Alexander R. Cruden, Christopher A.-L. Jackson, and James R. Norcliffe

183 Late Cretaceous upper-crustal thermal structure of the Sevier hinterland: Implications for the geodynamics of the Nevadaplano
   Nolan R. Blackford, Sean P. Long, Austin Stout, David W. Rodgers, C.M. Cooper, Kimberly Kramer, Russell V. Di Fiori, and Emmanuel Soignard

211 Tectonostratigraphy and major structures of the Georgian Greater Caucasus: Implications for structural architecture, along-strike continuity, and orogen evolution

241 Seismicity recorded in hematite fault mirrors in the Rio Grande rift
   M.L. Odlum, A.K. Ault, M.A. Channer, and G. Calzolari

261 Ultrahigh-temperature granulite-facies metamorphism and exhumation of deep crust in a migmatite dome during late- to post-orogenic collapse and extension in the central Adirondack Highlands (New York, USA)
   Ellen P. Metzger, Mary L. Leech, Michael W. Davis, Jackson V. Reeder, Brandon A. Swanson, and Heather V. Waring

298 Multiple sediment incorporation events in a continental magmatic arc: Insight from the metasedimentary rocks of the northern North Cascades, Washington (USA)
   Ann E. H. Hanson, Stacia M. Gordon, Kyle T. Ashley, Robert B. Miller, and Elizabeth Langdon-Lassagne

327 Geochemical indications for the Paleocene-Eocene Thermal Maximum (PETM) and Eocene Thermal Maximum 2 (ETM-2) hyperthermals in terrestrial sediments of the Canadian Arctic
   Lutz Reinhardt, Werner von Gosen, Andreas Lückge, Martin Blumenberg, Jennifer M. Galloway, Christopher K. West, Markus Sudermann, and Martina Dolezych

350 Early Pennsylvanian sediment routing to the Ouachita Basin (southeastern United States) and barriers to transcontinental sediment transport sourced from the Appalachian orogen based on detrital zircon U-Pb and Hf analysis
   Isaac J. Allred and Michael D. Blum