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[*Amphibole in Exsolution Textures of Garnet and its Connection with Fluid-Saturated Conditions of Ancient Subduction Zones*](#) [#5084]

Amphibole in exsolution textures of garnet and its connection with fluid-saturated conditions of ancient subduction zones.

Gu H. Zhang Y. Cao L.

[*Fabrication of Silver Nanoparticle-Coated Silica Substrate for SERS Detection of Polycyclic Aromatic Hydrocarbons in Fire Scene*](#) [#5088]

We presented a facile method to fabricate a SERS substrate for preconcentration and detection of polycyclic aromatic hydrocarbons (PAHs).

Skultéti Á. M. Tóth T. Fintor K. Schubert F.

[*Deformation History Reconstruction Using Raman Microspectroscopy Data of Single Quartz Grains*](#) [#5052]

Quartz is one of the most common and resistant minerals in the Earth's crust. Using Raman microspectroscopy, single quartz grains characterized by different deformation conditions can be identified and discriminated.

Voropaev S. A. Eliseev A. A. Petukhov D. I.

[*Mineralogy of Meteorite Chelyabinsk as Determined by Raman Spectroscopy*](#) [#5009]

Using Raman spectroscopy, we have characterized the mineral phases of meteorite Chelyabinsk, fall 15 February 2013, Chelyabinsk, Russia. Raman spectra are shown for olivine, pyroxene, feldspar, magnetite, pyrrhotite, calcite and, possibly, parisite.