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Research articles

Coldwell, B. C. & Pankhurst, M. J. Evaluating the influence of meteorite impact events on global potassium feldspar availability to the atmosphere since 600 Ma

Crawford, S., Smith, D. H., Stace, A. C., & Anand, A. Technical aspects of the Spongian ophiolite, Ladakh, NW India


Thematic set: Carbon forms: paths and processes in the Earth


Langdon, F. & Campbell, M. Ideal and real structures of different forms of carbon, with some remarks on their geological significance

Sverjensky, D. A. Thermodynamic modelling of fluids from surficial to mantle conditions

Stagno, V. Carbon, carbides, carbonates and carbonatitic melts in the Earth’s interior

Tumiati, S. & Malaspina, N. Redox processes and the role of carbon-bearing volatiles from the slab-mantle interface to the mantle wedge

Moore, L. R. & Bevir, R. J. A pedagogical approach to estimating the CO2 budget of magmas

Pirozzi, F., Cadeddu, C., Caib, R., Bedini, G., Rosello, A. & Chiodini, G. Measuring and interpreting CO2 fluxes at regional scale: the case of the Apennines, Italy

Cover image: A micro landscape photographed on an exposed quarry face of the Balmachullish Slate Formation. The dark nodules contain Ferrous Iron Sulfide. This reacts with oxygen and water to form insoluble (free) and sulfate acid. The acid reacts with any calcium carbonate in the mélange to form gypsum (hydrous calcium sulfate). This reaction is very important to engineering geologists as the acid attacks concrete and the gypsum causes heave.

Photo: Ursula Lawrence.