



## Carbon Forms: Paths and Processes in the Earth

*Journal of the Geological Society Thematic Set*

Guest Editors: Maria Luce Frezzotti & Igor M. Villa

Maria Luce Frezzotti, Igor M. Villa and Giovanna Iannantuoni, **Introduction to the Thematic set: Carbon forms, paths and processes in the Earth**, *Journal of the Geological Society, London, 176*, 335-336

Introduction: <https://jgs.lyellcollection.org/content/176/2/335>

Falko Langenhorst and Marcello Campione, **Ideal and real structures of different forms of carbon, with some remarks on their geological significance**, *Journal of the Geological Society, London, 176*, 337-347

Full Text: <https://jgs.lyellcollection.org/content/176/2/337>

Dimitri A. Sverjensky, **Thermodynamic modelling of fluids from surficial to mantle conditions**, *Journal of the Geological Society, London, 176*, 348-374

Full Text: <https://jgs.lyellcollection.org/content/176/2/348>

Vincenzo Stagno, **Carbon, carbides, carbonates and carbonatitic melts in the Earth's interior**, *Journal of the Geological Society, London, 176*, 375-387

Full Text: <https://jgs.lyellcollection.org/content/176/2/375>

Simone Tumati and Nadia Malaspina, **Redox processes and the role of carbon-bearing volatiles from the slab–mantle interface to the mantle wedge**, *Journal of the Geological Society, London, 176*, 388-397.

Full Text: <https://jgs.lyellcollection.org/content/176/2/388>

Lowell R. Moore and Robert J. Bodnar, **A pedagogical approach to estimating the CO<sub>2</sub> budget of magmas**, *Journal of the Geological Society, London, 176*, 398-407

Full Text: <https://jgs.lyellcollection.org/content/176/2/398>

Francesco Frondini, Carlo Cardellini, Stefano Caliro, Giulio Beddini, Angelo Rosiello and Giovanni Chiodini, **Measuring and interpreting CO<sub>2</sub> fluxes at regional scale: the case of the Apennines, Italy**, *Journal of the Geological Society, London, 176*, 408-416

Full Text: <https://jgs.lyellcollection.org/content/176/2/408>