

**Early diagenetic transformation stages revealed by micro-analytical studies of shelly phosphorites, Rakvere region Graul, Sophie Jane Marie-Pascale Huguette; Kallaste, Toivo; Moilanen, Marko; Ndiaye, Mawo; Hints, Rutt** Estonian journal of earth sciences 2023 / p. 34–37 : ill <https://doi.org/10.3176/earth.2023.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Exploring critical element enrichment pathways in black shales : a case study of Türisalu formation in Estonia Ndiaye, Mawo; Kallaste, Toivo; Graul, Sophie Jane Marie-Pascale Huguette; Hints, Rutt** 4th European Mineralogical Conference. Dublin, Ireland : programme and abstracts 2024 <https://www.minersoc.org/wp-content/uploads/2024/09/EMC-Programme-and-Abstracts-FINAL.pdf>

**Fine clay shuttle as a key mechanism for V hyper-enrichment in shallow water Tremadocian black shale from Baltica Ndiaye, Mawo; Pajusaar, Siim; Liiv, Merlin; Graul, Sophie Jane Marie-Pascale Huguette; Kallaste, Toivo; Hints, Rutt** Chemical geology 2023 / art. 121583 <https://doi.org/10.1016/j.chemgeo.2023.121583> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mineral Exploration of the Senegalese Grande Cote heavy minerals placer: QEMSCAN characterisation of Fe-Ti oxides for ore modelling**

Kanzari, Aisha; **Graul, Sophie Jane Marie-Pascale Huguette**; Delaporte, Arthur; **Hints, Rutt**; Blancher, Simon Mineral Exploration of the Senegalese Grande Cote heavy minerals placer: QEMSCAN characterisation of Fe-Ti oxides for ore modelling 2024 / 2 p. <https://doi.org/10.5194/egusphere-egu24-19227>

**Nitrogen and organic carbon isotope record in Tremadocian highly metalliferous black shales from Baltica Ndiaye, Mawo; Liiv, Merlin; Kallaste, Toivo; Graul, Sophie Jane Marie-Pascale Huguette; Hints, Rutt** Estonian journal of earth sciences 2023 / p. 78-81 : ill <https://doi.org/10.3176/earth.2023.25> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ree + y distribution in tremadocian shelly phosphorites (Toolse, Estonia) : multi-stages enrichment in shallow marine environment during early diagenesis**

**Graul, Sophie Jane Marie-Pascale Huguette; Hints, Rutt; Pajusaar, Siim; Ndiaye, Mawo** Geological Society of America Abstracts with Programs 2022 / 1 p <https://doi.org/10.1130/abs/2022AM-380090>