

DEXPLORE Horizon EU project: Investigation of CRM potential of Estonian basement

Graul, Sophie Jane Marie-Pascale Huguette; Nirgi, Siim; **Soesoo, Alvar**; **Solano-Acosta, Juan-David**; **Hints, Rutt**; **Hands, Tony**; HernandezI Moreno, Catalina Lithosphere 2024 2024 / p. 29-32 <https://doi.org/10.13140/RG.2.2.18365.47840>
<https://www.seismo.helsinki.fi/pdf/Lito2024.pdf>

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](#)

Is the Estonian Alutaguse Section of Eastern Fennoscandia a continuation of the Southern Svecofennian Finnish Terranes, or is it akin to the Swedish Bergslagen region?

Solano Acosta, Juan David; **Soesoo, Alvar**; **Hints, Rutt**; **Graul, Sophie Jane Marie-Pascale Huguette** Lithosphere 2024 2024 / p. 116-119 <https://www.seismo.helsinki.fi/pdf/Lito2024.pdf> <https://doi.org/10.48726/wmvj1-93777>

Is the Estonian Alutaguse Section of Eastern Fennoscandia a continuation of the Southern Svecofennian Finnish Terranes, or is it akin to the Swedish Bergslagen region?

Solano Acosta, Juan David; **Soesoo, Alvar**; **Hints, Rutt**; **Graul, Sophie Jane Marie-Pascale Huguette** EGU General Assembly 2025 2025 / art. EGU25-7212
https://www.researchgate.net/publication/391064063_Is_the_Estonian_Alutaguse_Section_of_Eastern_Fennoscandia_a_continuation_of_the_Southern_Svecofennian_Finnish_Terranes_or_is_it_akin_to_the_Swedish_Bergslagen_region <https://doi.org/10.5194/egusphere-egu25-7212>

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>

REE+Y distribution in tremadocian shelly phosphorites (Toolse, Estonia): A geochemical and mineralogical investigation for European critical raw material

Hints, Rutt; **Graul, Sophie Jane Marie-Pascale Huguette**; **Kallaste, Toivo**; **Ndiaye, Mawo**; Moilanen, Marko; Monchal, Vincent Goldschmidt 2023 2023 / 1 p. <https://doi.org/10.7185/gold2023.13625>