

Apatite in early Archean Isua supracrustal rocks, southern West Greenland : its origin, association with graphite and potential as a biomarker

Lepland, Aivo; Arrhenius, Gustaf; Cornell, David Precambrian research 2002 / p. 221-241 : ill [https://doi.org/10.1016/S0301-9268\(02\)00106-7](https://doi.org/10.1016/S0301-9268(02)00106-7)

Assessing the geochemical variability of oil shale in the Attarat Um Ghudran deposit, Jordan

Voolma, Margus; Soesoo, Alvar; Puura, Väino; **Hade, Sigrid;** Aosaar, Hardi Estonian journal of earth sciences 2016 / p. 61-74 : ill <https://doi.org/10.3176/earth.2016.06> https://artiklid.elnet.ee/record=b2778896*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bedrock and Quaternary sediment geochemistry and biodiversity in Eastern Fennoscandia and Estonia

Sõstra, Ülo Forestry studies = Metsanduslikud uurimused 2010 / p. 35-52 : ill https://www.ester.ee/record=b1230062*est

Centimetre-scale variability of redox-sensitive elements in Tremadocian black shales from the eastern Baltic Palaeobasin

Hints, Rutt; Soesoo, Alvar; Voolma, Margus; Tarros, Siim; Kallaste, Toivo; Hade, Sigrid Estonian journal of earth sciences 2014 / p. 233-239 : ill https://artiklid.elnet.ee/record=b2705856*est <https://doi.org/10.3176/earth.2014.24> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chlorine isotope composition of apatite from the >3.7 Ga isua supracrustal belt, SW Greenland

Wudarska, Alicja; Slaby, Ewa; Wiedenbeck, Michael; Birski, Łukasz; Wirth, Richard; Götze, Jens; **Lepland, Aivo;** Kusebauch, Christof; Kocjan, Izabela Minerals 2020 / Art. 27 <https://doi.org/10.3390/min10010027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The ecological impact of conquest and colonization on a medieval frontier landscape : combined palynological and geochemical analysis of lake sediments from Radzyń Chełmiński, Northern Poland

Brown, Alex; Banerjee, Rowena; Wynne, Amanda Dawn; **Stivriņš, Normunds;** Jarzebowski, Marc; Shillito, Lisa-Marie; Pluskowski, Aleks Geoarchaeology 2015 / p. 511 - 527 <https://doi.org/10.1002/gea.21525> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eesti vete isotoopkoostis

Vaikmäe, Rein Eesti Geograafia Seltsi aastaraamat = Yearbook of the Estonian Geographical Society. 47. kd 2024 / lk. 36-46 https://www.ester.ee/record=b1237665*est https://www.ester.ee/record=b4668698*est

Experimental modeling of CO₂-fluid-rock interaction: The evolution of the composition and properties of host rocks in the Baltic Region

Šogenov, Kazbulat; Šogenova, Alla; Vizika-Kavvadias, Olga; Nauroy, Jean-François Earth and Space Science 2015 / p. 262 - 284 <https://doi.org/10.1002/2015EA000105> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

General geology and geochemistry of the Lokpanta Formation oil shale, Nigeria

Ofili, Sylvester; **Soesoo, Alvar** Oil shale 2021 / p. 1-25 : ill <https://doi.org/10.3176/oil.2021.1.01> https://kirj.ee/wp-content/plugins/kirj/pub/OS-1-2021-1-25_20210222114545.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geochemical evolution of caledonian volcanism recorded in the sedimentary rocks of the Eastern Baltic region

Kiipli, Tarmo; Soesoo, Alvar; Kallaste, Toivo Geological Society, London, Special Publications 2014 / p. 177-192 <https://doi.org/10.1144/SP390.5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Geochemical factors affecting arsenic and heavy metals mobility in soil profiles in the area of Narva Power Plants (North-Eastern Estonia)

Schvede, Hedi Doctoral students' conference Next generation insights into geosciences and ecology : May 12-13, 2011, Tartu, Estonia : abstracts 2011 / p. 81

Geochemical heterogeneity of Estonian graptolite argillite

Voolma, Margus; Soesoo, Alvar; Hade, Sigrid; Hints, Rutt; Kallaste, Toivo Oil shale 2013 / p. 377-401 : ill https://artiklid.elnet.ee/record=b2633538*est <https://doi.org/10.3176/oil.2013.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geochemistry and correlation of volcanic ash beds from the Rootsiküla Stage (Wenlock-Ludlow) in the eastern Baltic

Kiipli, Tarmo; Einasto, Rein; Kallaste, Toivo; Nestor, Viu-Kai; Perens, Helle; **Siir, Sven** Estonian journal of earth sciences 2011 / 4, p. 207-219 : ill https://artiklid.elnet.ee/record=b2455468*est

Geochemistry of Late Ordovician (Sandbian) volcanism at the south-western margin of the Baltica Plate - using Nb, Zr and Ti for tectono-magmatic interpretation of bentonites

Kiipli, Tarmo; Hints, Rutt; Kallaste, Toivo; Nielsen, Arne T.; **Pajusaar, Siim;** Schovsbo, Niels H. 10th Baltic Stratigraphic Conference : Checiny, 12-14 September 2017 : abstracts and field guide 2017 / p. 43-44 : ill http://geo.uw.edu.pl/tl_files/publikacje/10th_Baltic_Stratigraphic_Conference_Abtracts_and_Field_Guide.pdf

Geochemistry of organic-rich metalliferous oil shale/black shale of Jordan and Estonia = Orgaanika- ja metalliderikaste põlevkivide/mustade kiltade geokeemiast Jordaaniast ja Eestis
Voolma, Margus 2016 https://www.ester.ee/record=b4577584*est

Geochemistry, mineral chemistry and pressure-temperature conditions of the Jõhvi magnetite quartzites and magnetite-rich gneisses, NE Estonia

Soesoo, Alvar; Nirgi, Siim; Urtson, Kristjan; Voolma, Margus Estonian journal of earth sciences 2021 / p. 71-93 : ill
<https://doi.org/10.3176/earth.2021.05> https://kirj.ee/wp-content/plugins/kirj/pub/Erratum-Table7-earth-3-2021_20210818083054.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geochemistry, provenance, and tectonic setting of Paleoproterozoic metasedimentary and metavolcanic units of the Estonian Alutaguse region, eastern Fennoscandia

Solano-Acosta, Juan David; Soesoo, Alvar; Hints, Rutt Estonian journal of earth sciences 2025 / p. 61-82
<https://doi.org/10.3176/earth.2025.05>

Geochemistry, provenance, and tectonic setting of Paleoproterozoic metavolcanic and metasedimentary units of the Alutaguse zone, Estonia, a comparative study with the south Svecofennian zones

Solano-Acosta, Juan-David CRM : Conference on Exploration and Exploitation of Critical Raw Materials : Focus on Northern Europe, Tallinn, Estonia, October 7-8, 2024 : Abstract Book 2024 / p. 7 <https://medialib.cmcdn.dk/medialibrary/54382F12-83C9-42E7-9C40-E6E90FD69702/742A360B-2670-EF11-84D0-00155D0B0940.pdf> <https://doi.org/10.13140/RG.2.2.33821.01765>

Geochemistry, provenance, and tectonic setting of paleoproterozoic metavolcanic and metasedimentary units of the Alutaguse zone, North Estonia – a comparative study with the south svecofennian zone

Soesoo, Alvar; Hints, Rutt; Solano-Acosta, Juan David EU SuperCluster Lapland Geoconference – October 30–31, 2023, Hotel Santa Claus, Rovaniemi, Finland : Abstract 2023 / p. 205–210 <https://data.taltech.ee/records/6xn1t-1br72>

Geology and geochemistry of a paleoproterozoic iron mineralization in North-Eastern Estonia

Nirgi, Siim; Soesoo, Alvar Transactions of the Karelian Research Centre of the Russian Academy of Sciences 2021 / p. 25–43 : ill., map <https://doi.org/10.17076/geo1492>

Geophysical and geochemical characterisation of the Märjamaa Rapakivi granite, Estonia

Solano-Acosta, Juan-David; Soesoo, Alvar; Hints, Rutt Lithosphere 2024 2024 / p. 112-114
<https://doi.org/10.13140/RG.2.2.27044.08326> <https://www.seismo.helsinki.fi/pdf/Lito2024.pdf>

Halogen chemistry and hydrogen isotopes of apatite from the >3.7 Ga Isua supracrustal belt, SW Greenland

Wudarska, Alicja; Wiedenbeck, Michael; Slaby, Ewa; Lepland, Aivo Precambrian research 2018 / p. 153-164 : ill
<https://doi.org/10.1016/j.precamres.2018.02.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Holocene hydroclimate variability of the Baltic region inferred from stable isotopes, d-excess and multi-proxy data at lake Nuudsaku, Estonia (NE Europe)

Eensalu, Mariliis; Nelson, Daniel B.; Buczynska, Anna; Rach, Oliver; Luoto, Tomi P.; Poska, Anneli; Klein, Eric S.; Stansell, Nathan D. Quaternary Science Reviews 2024 / 18 p. : ill <https://doi.org/10.1016/j.quascirev.2024.108736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The intrusion of glacial melt-water and its influence on the geochemical evolution of groundwater in the Ordovician-Cambrian aquifer system in the northern part of the Baltic Artesian Basin (Estonia) [Online resource]

Pärn, Joonas; Raidla, Valle; Vaikmäe, Rein; Martma, Tõnu; Ivask, Jüri; Kaup, Enn; Mokrik, Robert International Symposium on Isotope Hydrology : Revisiting Foundations and Exploring Frontiers : 11-15 May 2015, Vienna, Austria : book of extended synopses : poster session 1 2015 / p. 39-40

Iron isotopes reveal a benthic iron shuttle in the palaeoproterozoic zaonega formation : basinal restriction, euxinia, and the effect on global palaeoredox proxies

Mänd, Kaarel; Lalonde, Stefan V.; Paiste, Kärt; Thoby, Marie; Lumiste, Kaarel; Robbins, Leslie J; Kreitsmann, Timmu; Romashkin, Alexander E.; Kirsimäe, Kalle; Lepland, Aivo Minerals 2021 / art. 368, 25 p. : ill <https://doi.org/10.3390/min11040368> [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>

Isotope systematics of albitite-type uranium deposits, the Central Ukrainian Uranium Province

Shumlyanskyy, Leonid; Cuney, M.; Billström, K.; Mikhalechenko, I.; **Soesoo, Alvar** Geochemical and mineralogical characterisation of Uranium and Thorium deposits : Final report of a coordinated research project 2020 / p. 147–160 : ill
<https://www.iaea.org/publications/14730/geochemical-and-mineralogical-characterization-of-uranium-and-thorium-deposits>

Isotopes in Earth Systems, ESIR XII Workshop, Freiberg, Germany, 24-26 July 2013 : abstracts

2013 https://www.ester.ee/record=b5757011*est

Lead and Cu in contaminated urban soils : extraction with chemical reagents and bioluminescent bacteria and yeast

Peltola, Pasi; **Ivask, Angela**; Aström, Mats; Virta, Marko Science of the total environment 2005 / 1/3, p. 193-203 : ill
<https://www.sciencedirect.com/science/article/pii/S0048969705000707>

Marine redox variability from Baltica during extinction events in the latest Ordovician–early Silurian

Young, Seth A.; Benayoun, Emily; Kozik, Nevin P.; **Hints, Olle**; **Martma, Tõnu**; Bergström, Stig M.; Owens, Jeremy D. Palaeogeography, Palaeoclimatology, Palaeoecology 2020 / art. 109792 <https://doi.org/10.1016/j.palaeo.2020.109792> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MC technologies developed for waste materials

Uibu, Mai; **Viires, Regiina**; **Kuusik, Rein**, **keemik** CO2 sequestration by ex-situ mineral carbonation 2017 / p. 91-131 : ill
https://doi.org/10.1142/9781786341600_0004

Mikrokomponendid fosfaattoormes ja väetistes

Veiderma, Mihkel; **Viisimaa, Ludmilla** Eesti Loodus : populaarteaduslik ajakiri 1989 / lk. 766-772 : ill
https://www.ester.ee/record=b1072059*est <https://www.digar.ee/viewer/et/nlib-digar:340970/298435/page/16>
https://artiklid.elnet.ee/record=b2300566*est

Mina - vanem teaduslik töötaja. III osa, Teadusrikkad aastad

Veski, Rein 2024 https://www.ester.ee/record=b5645814*est

Mina – vanem teaduslik töötaja. I osa, Põxiti-järgsele ajale sobiva põlevkivikeemiatööstuse arendamine

Veski, Rein 2021 https://www.ester.ee/record=b5455398*est

Mina – vanem teaduslik töötaja. II osa, Üleminekuaastate valu ja ilu

Veski, Rein 2023 https://www.ester.ee/record=b5539043*est

Options for geological storage of CO2 in the Baltic Sea region

Sliaupa, Saulius; **Šogenova, Alla**; **Šogenov, Kazbulat**; **Kuusik, Rein**, **keemik** 3rd International Conference Geosciences and Environment : 27-29 May 2012, Belgrade 2012 / p. 80-83 : ill

Palaeoproterozoic oxygenated oceans following the Lomagundi–Jatuli Event

Mänd, Kaarel; Lalonde, Stefan V.; Robbins, Leslie J.; Thoby, Marie; Paiste, Kärt; Kreitsmann, Timmu; **Paiste, Päärn**; Reinhard, Christopher T.; Romashkin, Alexandr E.; Planavsky, Noah J.; Kirsimäe, Kalle; **Lepland, Aivo**; Konhauser, Kurt O. Nature geoscience 2020 / p. 302-306 <https://doi.org/10.1038/s41561-020-0558-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Paleoredox changes associated with early silurian extinction events: new geochemical evidence from Baltoscandia

Benayoun, Emily; Young, Seth, A.; **Hints, Olle**; **Martma, Tõnu**; Owens, Jeremy D. Geological Society of America Abstracts with Programs, vol. 51, no. 3 2019 / paper no. 29-2 <http://dx.doi.org/10.1130/abs/2019SE-327066>

Petrophysical properties and capacity of prospective structures for geological storage of CO2 onshore and offshore baltic

Šogenov, Kazbulat; **Šogenova, Alla**; Vizika-Kavvadias, Olga GHGT-11 Proceedings of the 11th International Conference on Greenhouse Gas Control Technologies, 18-22 November 2012, Kyoto, Japan 2013 / p. 5036 - 5045
<https://doi.org/10.1016/j.egypro.2013.06.417> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Rb-Sr systematics of Vendian-Cambrian claystones from the east European Platform : implications for a multi-stage illite evolution

Gorokhov, I.M.; Clauer, N.; Turchenko, T.L.; Melnikov, N.N.; Kutjavin, E.P.; **Pirrus, Enn-Aavo**; Baskakov, A.V. Chemical geology 1994 / p. 71-89: ill

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>

Seven sedimentary rock reference samples from Estonia

Kiipli, Tarmo; Pirrus, Enn-Aavo Oil shale 2000 / 3, p. 215-223 : ill https://artiklid.elnet.ee/record=b1004957*est

The first continuous $\delta^{13}\text{C}$ record across the Late Silurian Lau Event on Gotland, Sweden

Younes, Hani; Calner, Mikael; Lehnert, Oliver GFF 2017 / p. 63-69 : ill <https://doi.org/10.1080/11035897.2016.1227362> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The influence of geochemistry on biological diversity in Fennoscandia and Estonia

Sõstra, Ülo Biodiversity enrichment in a diverse world 2012 / p. 439-472 : ill

The Llandovery-Wenlock boundary interval in west-central continental Estonia : an example from the Suigu (S-3) core section

Männik, Peep; Põldvere, Anne; Nestor, Viiru-Kai; Kallaste, Toivo; Kiipli, Tarmo; Martma, Tõnu Estonian journal of earth sciences 2014 / p. 1-17 : ill https://artiklid.elnet.ee/record=b2663118*est <https://doi.org/10.3176/earth.2014.01> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Trace metals and isotopes in Estonian black shales : Cambro-Ordovician shallow water anoxia on the Baltica shelf?

Johnson, Sean C.; McGoldrick, Peter J.; Sõstra, Ülo Goldschmidt Conference abstracts : 2016 2016 / p. 1372 <http://goldschmidt.info/2016/uploads/abstracts/finalPDFs/A-Z.pdf>

Võõrmineraalidest turbas

Tiirmaa, Reet; Popova Larissa Eesti Geograafia Seltsi aastaraamat. 35. kd 2005 / lk. 89-95 : ill http://ise.elnet.ee/record=b2143665~S2*est

X-ray fluorescence analyses of peat, plant and soil samples from geochemical anomaly at Raudna

Kiipli, Tarmo; Kallaste, Toivo; Orlova, Kiira Geoanalysis, Rovaniemi, 2003 2003 / p. 91-92

Геохимические аномалии в торфяных залежах долинных и склоновых болот Эстонии

Orru, Mall; Sõstra, Ülo Ресурсовоспроизводящие, малоотходные и природоохранные технологии освоения недр : материалы VIII Международной конференции : Москва-Таллинн, 14-18 сентября 2009 г 2009 / с. 327-332

О характере распределения некоторых элементов в породах сланценосной толщи Прибалтийского сланцевого бассейна

Fadejeva, Rimma; Schults, Natalia; Klimjonova, T. P. III Всесоюзное совещание "Геохимия горючих сланцев" : тезисы докладов 1982 / с. 183-184 https://www.ester.ee/record=b1227287*est

Хадей-архейские детритовые цирконы из ятулийских кварцитов и конгломератов Карельского кратона

Kozhevnikov, V.N.; Skubov, S.G.; Marin, Yu.B.; Medvedev, P.V.; Sõstra, Ülo; Valencia, V. Доклады Академии наук 2010 / 1, с. 85-90 <https://kirjandus.geoloogia.info/reference/34141>