

## **Dating the termination of the Palaeoproterozoic Lomagundi-Jatuli carbon isotopic event in the North Transfennoscandian Greenstone Belt**

Martin, Adam P.; Condon, Dan J.; Prave, Anthony R.; Melezhik, Victor A.; **Lepland, Aivo**; Fallick, Anthony Edward Precambrian Research 2013 / p. 160 - 168 <https://doi.org/10.1016/j.precamres.2012.09.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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 geochronology of the Estonian Precambrian basement**

Nirgi, Siim; **Soesoo, Alvar** XI Baltic Stratigraphical Conference : abstracts and field guide 2024 / p. 29 [https://www.ester.ee/record=b5696260\\*est](https://www.ester.ee/record=b5696260*est) <https://files.geocollections.info/5581dda4-94fa-4bcb-b1e7-8120d96af50b.pdf>

## **Hadean-Archean Detrital Zircons from Jatulian Quartzites and Conglomerates of the Karelian Craton**

Kozhevnikov, V.N.; Skubov, S.G.; Marin, Yu.B.; Medvedev, P.V.; **Sõstra, Ülo**; Valencia, V. Doklady Earth Sciences 2010 / 1, p. 318-323 [https://www.researchgate.net/publication/240671488\\_Hadean-archean\\_detrital\\_zircons\\_from\\_jatulian\\_quartzites\\_and\\_conglomerates\\_of\\_the\\_karelian\\_craton](https://www.researchgate.net/publication/240671488_Hadean-archean_detrital_zircons_from_jatulian_quartzites_and_conglomerates_of_the_karelian_craton)

## **Metal enrichments in Paleoproterozoic black shales : global or regional controls?**

**Lepland, Aivo** Goldschmidt Conference abstracts : 2016 2016 / p. 1730 <http://goldschmidt.info/2016/uploads/abstracts/finalPDFs/A-Z.pdf>

## **Methanotrophy in a Paleoproterozoic oil field ecosystem, Zaonega Formation, Karelia, Russia**

Qu, Y.; Črne, A. E.; **Lepland, Aivo**; van Zuilen, Mark A. Geobiology 2012 / p. 467-478 : ill [https://www.researchgate.net/publication/231177487\\_Methanotrophy\\_in\\_a\\_Paleoproterozoic\\_oil\\_field\\_ecosystem\\_Zaonega\\_Formation\\_Karelia\\_Russia](https://www.researchgate.net/publication/231177487_Methanotrophy_in_a_Paleoproterozoic_oil_field_ecosystem_Zaonega_Formation_Karelia_Russia)

## **Mitmekesise elu jäljed Paleoproterosoikumi setetes Karjalas, Venemaal**

Makarihin, Vladimir; **Sõstra, Ülo** Globaalsed muutused 2010 / lk. 74-85, 132 : ill

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## **Oxygenated conditions in the aftermath of the Lomagundi-Jatuli Event: The carbon isotope and rare earth element signatures of the Paleoproterozoic Zaonega Formation, Russia**

Kreitsmann, Timmu; **Lepland, Aivo**; Bau, M.; Prave, A.R.; Paiste, Kärt; Mänd, Kaarel; Sepp, Holar; **Martma, Tõnu**; **Romashkin, A.E.**; Kirsimäe, Kalle Precambrian research 2020 / art. 105855, 16 p. : ill <https://doi.org/10.1016/j.precamres.2020.105855> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Petrography and geochemistry of carbonate rocks of the Paleoproterozoic Zaonega Formation, Russia: Documentation of 13C-depleted non-primary calcite**

Črne, A. E.; Melezhik, Victor A.; **Lepland, Aivo**; Fallick, Anthony Edward; Prave, Anthony R.; Brasier, A.T. Precambrian research 2014 / p. 79-93 : ill <https://doi.org/10.1016/j.precamres.2013.10.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Petrography and the REE-composition of apatite in the Paleoproterozoic Pilgujärvi Sedimentary Formation, Pechenga Greenstone Belt, Russia**

Joosu, Lauri; **Lepland, Aivo**; Kreitsmann, Timmu Geochimica et cosmochimica acta 2016 / p. 135-153 : ill <https://doi.org/10.1016/j.gca.2016.04.043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **The REE-composition and petrography of apatite in 2Ga Zaonega Formation, Russia: The environmental setting for phosphogenesis**

Joosu, Lauri; **Lepland, Aivo**; Kirsimäe, Kalle; Romashkin, Alexander E.; Roberts, Nick M.W.; Martin, Adam P.; Črne, Alenka E. Chemical Geology 2015 / p. 88-107 <https://doi.org/10.1016/j.chemgeo.2014.11.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A review of temporal constraints for the Palaeoproterozoic large, positive carbonate carbon isotope excursion (the**

**Lomagundi-Jatuli Event)**

Martin, Adam P.; Condon, Daniel J.; Prave, Anthony R.; **Lepland, Aivo** Earth-Science Reviews 2013 / p. 242 - 261

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**The crystalline basement of Estonia: rock complexes of the Paleoproterozoic Orosirian and Statherian and Mesoproterozoic Calymmian Periods, and regional correlations**

**Puura, Väino**; Kirs, Juho; Klein, Vello; **Konsa, Mare**; Koppelmaa, Heino; Niin, Mati; **Soesoo, Alvar**; **Urtson, Kristjan** The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 55

**Two-billion-year-old evaporites capture Earth's great oxidation**

Blättler, C.L.; Kirsimäe, Kalle; Kreitsmann, Timmu; **Lepland, Aivo** Science 2018 / p. 320-323 <https://doi.org/10.1126/science.aar2687>

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**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>