

Application of long lived radionuclides for characterizing and dating the groundwater and brines in the Cambrian aquifer system in Baltic states

Vaikmäe, Rein; Pärn, Joonas; Raidla, Valle The 3rd International Workshop on Tracer Applications of Noble Gas Radionuclides (TANGR2018), University of Science and Technology of China, Hefei, China, September 5-7, 2018 2018 / p. 3
<https://atta.ustc.edu.cn/en-us/events/tangr.html>

A d18O isoscape for the shallow groundwater in the Baltic Artesian basin

Raidla, Valle; Kern, Zoltan; Pärn, Joonas; Ivask, Jüri; Martma, Tõnu; Vaikmäe, Rein Journal of hydrology 2016 / p. 254-267 : ill
<https://doi.org/10.1016/j.jhydrol.2016.09.004>

Dating of glacial palaeogroundwater in the Ordovician-Cambrian aquifer system, northern Baltic Artesian Basin

Pärn, Joonas; Raidla, Valle; Ivask, Jüri; Kaup, Enn; Martma, Tõnu; Vaikmäe, Rein Applied geochemistry 2019 / p. 64-76 : ill
<https://doi.org/10.1016/j.apgeochem.2019.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrochemical patterns established in the Pleistocene preserved in the Ordovician-Cambrian aquifer system, northern Baltic Artesian Basin

Pärn, Joonas; Raidla, Valle; Vaikmäe, Rein; Martma, Tõnu; Ivask, Jüri; Kaup, Enn; Walraevens, K.; van Camp, M.; Aeschbach, A. International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes, CN-271 : 20-24 May 2019, Vienna, Austria 2019 <https://www.iaea.org/events/international-symposium-on-isotope-hydrology-2019>

Intrusion of saline water into a coastal aquifer containing palaeogroundwater in the Viimsi Peninsula in Estonia

Raidla, Valle; Pärn, Joonas; Aeschbach-Hertig, Werner; Czuppon, György; Ivask, Jüri Geosciences 2019 / art. 47, 25 p. : ill
<https://doi.org/10.3390/geosciences9010047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Late Pleistocene and Holocene groundwater flow history in the Baltic Artesian Basin : a synthesis of numerical models and hydrogeochemical data

Vaikmäe, Rein; Pärn, Joonas; Raidla, Valle; Ivask, Jüri; Kaup, Enn; Martma, Tõnu Estonian journal of earth sciences 2021 / p. 152-164 : ill <https://doi.org/10.3176/earth.2021.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nitrate dynamics and its connection to seasonal groundwater recharge in karst springs of the Sõmeru River catchment, Northern Estonia

Pärn, Joonas; Walraevens, Kristine; van Camp, M.; Koit, Oliver; Ivask, Jüri; Babre, Alise; Mažeika, Jonas; Hunt, Malle; Osjamets, M.; Iital, Arvo; Kõrgmaa, Vallo; Raidla, Valle; Aeschbach, W.; Vaikmäe, Rein XXXI NORDIC HYDROLOGICAL CONFERENCE 2022, August 15–18, Tallinn, Estonia : abstracts 2022 / 2 p <https://drive.google.com/file/d/1L-CvqmUu1FT8XafXma527iw4t5gAFn2n/view>
https://konverentsikeskus.tlu.ee/sites/konverentsikeskus/files/Konverentsid/NHC2020/List%20of%20Presentations%20NHC2022_08Aug2022.pdf

Origin and formation of methane in groundwater of glacial origin from the Cambrian-Vendian aquifer system in Estonia

Raidla, Valle; Pärn, Joonas; Schloemer, Stefan; Aeschbach-Hertig, Werner; Czuppon, György; Ivask, Jüri; Marandi, Andres; Sepp, Holar; Vaikmäe, Rein; Kirsimäe, Kalle Geochimica et cosmochimica acta 2019 / p. 247-264 : ill
<https://doi.org/10.1016/j.gca.2019.02.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Origin and geochemical evolution of palaeogroundwater in the northern part of the Baltic artesian basin = Paleopõhjavete päritolu ja geokeemiline areng Balti arteesiabasseini põhjaosas

Pärn, Joonas 2018 <https://digi.lib.ttu.ee/?10917>

Overview of groundwater studies in the Baltic Artesian Basin at Tallinn University of Technology

Pärn, Joonas; Vaikmäe, Rein; Raidla, Valle; Martma, Tõnu; Ivask, Jüri; Kaup, Enn; Vallner, Leo; Purtschert, Roland; Gerber, Christoph; Aeschbach-Hertig, Werner; Weissbach, Therese 4th Annual Meeting of G@GPS IGCP 618 Project "Palaeogroundwater from past and present glaciated areas" : Estonia, 5-9 July 2015 : abstracts and field guide 2015 / p. 21-23

A 18O isoscape for the shallow groundwater in the Baltic Artesian Basin [Online resource]

Raidla, Valle; Kern, Zoltan; Babre, Alise; Erg, Katrin; Ivask, Jüri; Kohan, Balazs; Martma, Tõnu; Mokrik, Robert; Pärn, Joonas; Vaikmäe, Rein 43rd IAH Congress : Groundwater and Society : 60 years of IAH : September 25-29th 2016, Montpellier, France 2016 / p. [70], abstract no 1430 https://www.cfh-aih.fr/images/DOCS/2-Colloques/Colloque_2016_Montpellier/Site_web/IAH2016_AbstractBOOK.pdf

Paleowaters of glacial origin in the northern part of the Baltic Artesian Basin (BAB) [Online resource]

Pärn, Joonas; Raidla, Valle; Vaikmäe, Rein; Martma, Tõnu; Ivask, Jüri; Kaup, Enn 43rd IAH Congress : Groundwater and Society : 60 years of IAH : September 25-29th 2016, Montpellier, France 2016 / p. [123], abstract no 1524 https://www.cfh-aih.fr/images/DOCS/2-Colloques/Colloque_2016_Montpellier/Site_web/IAH2016_AbstractBOOK.pdf

Põrgukuumus: ekspert selgitab, kuidas ruume jahutada

Pärn, Joonas Õhtuleht 2021 / Lk. 2 <https://dea.digar.ee/article/ohutuleht/2021/07/19/2.3>

Redox zonation and organic matter oxidation in palaeogroundwater of glacial origin from the Baltic Artesian Basin

Pärn, Joonas; Affolter, Stephane; Ivask, Jüri; Kirsimäe, Kalle; Martma, Tõnu; Raidla, Valle; Vaikmäe, Rein Chemical geology 2018 / p. 149-161 : ill <https://doi.org/10.1016/j.chemgeo.2018.04.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at](#)

Studying the water regime of the Baltic Oil Shale Basin with the new Virumaa groundwater flow model

Polikarpus, Maile; Pärn, Joonas Yearbook 2018 / Geological Survey of Estonia 2019 / p. 35-36 : ill., map

https://www.egt.ee/sites/default/files/content-editors/aastaraamat/egt_aastaraamat_eng_web.pdf https://www.ester.ee/record=b5231713*est

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

The recharge of glacial meltwater and its influence on the geochemical evolution of groundwater in the Ordovician-Cambrian aquifer system, northern part of the Baltic Artesian Basin

Pärn, Joonas; Raidla, Valle; Vaikmäe, Rein; Martma, Tõnu; Ivask, Jüri; Mokrik, Robert; Erg, Katrin Applied geochemistry 2016 / p. 125-135 : ill <https://doi.org/10.1016/j.apgeochem.2016.07.007>

Using helium-4, tritium, carbon-14 and other hydrogeochemical evidence to evaluate the groundwater age distribution : the case of the Neogene aquifer, Belgium

Casillas-Trasvina, Alberto; Rogiers, Bart; Beerten, Koen; Pärn, Joonas; Wouters, Laurent; Walraevens, Kristine Journal of hydrology X 2022 / art. 100132, 19 p. : ill <https://doi.org/10.1016/j.hydroa.2022.100132> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uue Virumaa põhjavee mudeli rakendamine põlevkivibasseini veerežiimi uurimiseks

Polikarpus, Maile; Pärn, Joonas Aastaraamat 2018 / Eesti Geoloogiateenistus 2019 / lk. 35-36 : ill., kaart

https://www.ester.ee/record=b5258416*est https://www.ester.ee/record=b5231712*est