

Biogaasi puhastamine mootorikütuseks

Kask, Ülo; Soosaar, Sulev; Kask, Livia; Menert, Anne Eesti põlevloodusvarad ja -jätmed 2014 = Estonian combustible natural resources and wastes 2014 / lk. 6-9 : fot

Biogaasi tootmise ja kasutamise pilootuuring Lääne-Virumaal : jäätmed mootorikütuseks : projekt „From waste to traffic fuel“ (W-Fuel)

Kask, Ülo; Andrijevskaja, Janita; Kask, Livia; Heinla, Priit; Kallaste, Tiit; Laur, Anton; Menert, Anne; Pädam, Sirje-Ilona 2012
https://www.ester.ee/record=b3040911*est

Biogenic methane contributes to the food web of a large, shallow lake

Agasild, Helen; Zingel, Priit; Tuvikene, Lea; Tuvikene, Arvo; Timm, Henn; Feldmann, Tõnu; **Salujõe, Jaana; Toming, Kaare**; Jones, Roger I.; Nõges, Tiina Freshwater biology 2014 / p. 272-285 : ill <https://doi.org/10.1111/fwb.12263> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combining bioenergy and nature conservation: An example in wetlands

Melts, Indrek; **Ivask, Mari**; Geetha, Mohan; Takeuchi, Kazuhiko; Heinsoo, Katrin Renewable and sustainable energy reviews 2019 / p. 293-302 <https://doi.org/10.1016/j.rser.2019.05.028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Diagenetic Mg-calcite overgrowths on foraminiferal tests in the vicinity of methane seeps

Panieri, Giuliana; **Lepland, Aivo**; Whitehouse, Martin J.; Wirth, Richard Earth and planetary science letters 2017 / p. 203-212 : ill <https://doi.org/10.1016/j.epsl.2016.10.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Discharge of meteoric water in the eastern Norwegian Sea since the last glacial period

Hong, WeiLi; **Lepland, Aivo**; Himmeler, Tobias; **Martma, Tõnu** Geophysical research letters 2019 / p. 8194-8204 : ill <https://doi.org/10.1029/2019GL084237> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eesti tingimustesse sobivate biogaasi metaaniks puhastamise tehnoloogiate rakendatavus ning keskkonna ja majanduslikud mõjud : laiendatud kokkuvõte

2014 https://www.ester.ee/record=b4406769*est

Eesti tingimustesse sobivate biogaasi metaaniks puhastamise tehnoloogiate rakendatavus ning keskkonna ja majanduslikud mõjud : lõpparuanne [Võrguväljaanne]

2014

Emissions from livestock and manure management

Gavrilova, Olga 2019 Refinement to the 2006 IPCC guidelines for national greenhouse gas inventories ; vol. 4 2019 / 209 p. : ill https://www.ipcc-nggip.iges.or.jp/public/2019rf/pdf/4_Volume4/19R_V4_Ch10_Livestock.pdf

Fluid source and methane-related diagenetic processes recorded in cold seep carbonates from the Alvheim channel, central North Sea

Cremiere, Antoine; **Lepland, Aivo**; Chand, Shyam; **Martma, Tõnu** Chemical geology 2016 / p. 16-33 : ill <https://doi.org/10.1016/j.chemgeo.2016.03.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fossilisation by Mg-calcite: mineralized microbes in methane-derived carbonates from the Vestnesa Ridge, off western Svalbard

Himmeler, Tobias; Wirth, Richard; **Martma, Tõnu**; Bohrmann, Gerhard; Bünz, Stefan; Knies, Jochen; **Lepland, Aivo** Geophysical research abstracts 2018 / p. EGU2018-14291 <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-14291.pdf>

From waste to traffic fuel (W-Fuel)

Kask, Ülo; Andrijevskaja, Janita; Kask, Livia; Heinla, Priit; Hüüs, Meeli; Kallaste, Tiit; Laur, Anton; **Menert, Anne; Pädam, Sirje-Ilona**; Rasi, Saija; Heino, Erja; Ahonen, Saana; Martinen, Sanna; Aro-Heinilä, Esa; Teerioja, Nea 2012
https://www.ester.ee/record=b2933097*est

Gas-phase degradation of CCl₄, CHCl₃ and CH₂Cl₂ over metallic Fe

Preis, Sergei; Kallas, Juha Environmental chemistry letters 2004 / 1, p. 9-13 <https://link.springer.com/article/10.1007/s10311-004-0067-6>

Gas-phase destruction of chlorinated methane derivatives over iron with mild process conditions

Preis, Sergei; Magrini-Bair, K.; Wolfrum, E.; Kallas, Juha International Conference on Ozone in Global Water Sanitation, Amsterdam, the Netherlands, October 1st to October 3rd 2002 : proceedings 2002 / p. III-5-1

Gas-phase destruction of chlorinated methane derivatives over iron with mild process conditions

Preis, Sergei; Kallas, Juha; Magrini-Bair, K.; Wolfrum, E. International Conference EcoBalt'2002, Riga, June 7-8, 2002 2002 / p. 13

Geoloogid leidsid seosed merepõhja metaanilekete ja jääaegade vahel

Horisont 2019 / lk. 9 : ill http://www.ester.ee/record=b1072243*est

Hands-on approach to foster paludiculture implementation and carbon certification on extracted peatland in Latvia
Stivrinš, Normunds; Bikše, Jānis; Jeskins, Jurijs; Ozola, Ilze Land 2024 / art. 188 <https://doi.org/10.3390/land13020188> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

K&V : küsimused-vastused : [Mis on metaanhüdraat? : vastab Alvar Soesoo]
Soesoo, Alvar Tarkade Klubi 2010 / 5, lk. 8

Kasvuhoonegaaside emissioon energeetika sektorist
Roos, Inge Kümme aastat Eesti Soojustehnikainseneride Seltsi 2000-2010 2010 / lk. 37-41 : ill

Kloreeritud metaani derivaatide lagundamisest gaasifaasis raudkatalüsaatoril
Preis, Sergei; Kallas, Juha XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 104-105

Kloreeritud metaani derivaatide lagundamisest gaasifaasis raudkatalüsaatoril mõõdukatel tingimustel
Preis, Sergei; Magrini-Bair, K.; Wolfrum, E.; **Kallas, Juha** XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 104

Metaan ja vingugaas Tritoni suvetaevas
Ivask, Jüri Horisont 2010 / 3, lk. 5 https://artiklid.elnet.ee/record=b2098176*est

Metaanileke ja jääaeg käivad käsikäes
Imeline Teadus 2019 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

Methane potential of sterilized solid slaughterhouse wastes
Pitk, Peep; Kaparaju, Prasad; **Vilu, Raivo** Bioresource technology 2012 / p. 42-46 : ill
<https://www.sciencedirect.com/science/article/pii/S0960852412006438>

Methane potential of sterilized solid slaughterhouse wastes
Pitk, Peep; Kõrgmaa, Vallo; Vilu, Raivo 8th IWA International Symposium on Waste Management Problems in Agroindustries : Çeşme, Turkey 2011 <https://www.sciencedirect.com/science/article/pii/S0960852412006438>

Methane seepage at Vestnesa Ridge (NW Svalbard) since the LastGlacial Maximum
Schneider, A.; Panieri, Giuliana; **Lepland, Aivo** Quaternary science reviews 2018 / p. 98-117 : ill
<https://doi.org/10.1016/j.quascirev.2018.06.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methane sulphonic acid in East Antarctic coastal firn and ice cores and its relationship with chlorophyll-a and sea ice extent
Nilsson, Emma C.; Vega, Carmen Paulina; Divine, Dmitry V.; Eichler, Anja; **Martma, Tõnu;** Mulvaney, Robert; Schlosser, Elisabeth; Schwikowski, Margit; Isaksson, Elisabeth Ice core science at the three poles (CP/TC inter-journal SI) 2024 / 27 p. : ill
<https://doi.org/10.5194/egusphere-2023-3156>

A 160,000-year-old history of tectonically controlled methane seepage in the Arctic
Himmler, Tobias; Sahy, Diana; **Martma, Tõnu; Lepland, Aivo** Science advances 2019 / art. eaaw1450, 8 p. : ill
<https://doi.org/10.1126/sciadv.aaw1450> TTÜ geoloogid: merepõhjast lekkinud metaani ja jääaegade vahel on seos [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Petrography and geochemistry of seep carbonates from the Barents Sea
Himmler, Tobias; **Martma, Tõnu;** Bünz, Stefan; Panieri, Giuliana; Knies, Jochen; **Lepland, Aivo** 34th IAS Meeting of Sedimentology - Abstract Submission and Conference Registration, 10-13 September 2019, Rome, Italy 2019 / 1 p
<https://iasroma2019.exordo.com/programme/presentation/1235>

Petrography and geochemistry of seep carbonates from the Barents Sea
Himmler, Tobias; **Martma, Tõnu;** Bünz, Stefan; Panieri, Giuliana; Knies, Jochen; **Lepland, Aivo** IAS 2019 : 34th International Association of Sedimentologists 2019 Meeting of Sedimentology, Rome, Italy, 10-13 September 2019 2019 / 1 p
<https://iasroma2019.exordo.com/programme/presentation/1235>

Property based ranking of CO and CO2 methanation catalysts
Kuznecova, Inga; **Gušča, Julija** Energy procedia 2017 / p. 255-260 : ill <http://dx.doi.org/10.1016/j.egypro.2017.09.068>

Protracted post-glacial hydrocarbon seepage in the Barents Sea revealed by U–Th dating of seep carbonates

Himmler, Tobias; Wagner, Doris; Sahy, Diana; Vadakkepuliymbatta, Sunil; Chand, Shyam; **Martma, Tõnu**; Kirsimäe, Kalle; Matningsdal, Rune; Panieri, Giuliana; **Lepland, Aivo** *Frontiers in earth science* 2024 / art. 1355621, 11 p. : ill
<https://doi.org/10.3389/feart.2024.1355621> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Põleva jää müsteerium : [metaanhüdraat looduses]

Krustok, Jüri *Horisont* 2002 / 2, lk. 13-14 : ill https://artiklid.elnet.ee/record=b1009742*est

Seasonal dynamics and regional distribution patterns of CO₂ and CH₄ in the north-eastern Baltic Sea

Lainela, Silvie; Jacobs, Erik; **Luik, Stella-Theresa**; Rehder, Gregor; **Lips, Urmas** *Biogeosciences* 2024 / p. 4495-4519 : ill
<https://doi.org/10.5194/bg-21-4495-2024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural controls on seepage of thermogenic and microbial methane since the last glacial maximum in the Harstad Basin, southwest Barents Sea

Crémière, Antoine; Chand, Shyam; Sahy, Diana; Thorsnes, Terje; **Martma, Tõnu**; Noble, Stephen R.; Pedersen, Jon Halvard; Brunstad, Harald; **Lepland, Aivo** *Marine and Petroleum Geology* 2018 / p. 569-581 <https://doi.org/10.1016/j.marpetgeo.2018.07.010>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of VFAs formation during anaerobic digestion of thermally treated sludge by respirometric Oxitop method

Menert, Anne; Michelis, Merje; **Helmja, Kati**; Tahkonen, Heli Anneli; **Vaalu, Tarmo**; Malsub, Tõnu; **Vilu, Raivo**; **Kaljurand, Mihkel** *Proceedings of 5th Conference on the Establishment of Cooperation between Companies and Institutions in the Baltic Sea Region* 2005 / p. 563 <https://open.lnu.se/index.php/eco-tech/article/view/2186>

Timescales of methane seepage on the Norwegian margin following collapse of the Scandinavian Ice Sheet

Crémière, Antoine; **Lepland, Aivo**; Chand, Shyam; **Martma, Tõnu** *Nature communications* 2016 / p. 1-10 : ill
<https://doi.org/10.1038/ncomms11509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

U-Th chronology and formation controls of methane-derived authigenic carbonates from the Hola trough seep area, northern Norway

Sauer, Simone; Crémière, Antoine; Knies, Jochen; **Lepland, Aivo**; **Martma, Tõnu** *Chemical geology* 2017 / p. 164-179 : ill
<https://doi.org/10.1016/j.chemgeo.2017.09.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

U-Th dating of seep carbonates reveals episodic methane release from the Vestnesa Ridge off west Svalbard over the last ~170,000 years

Himma, T.; Sahy, D.; **Martma, Tõnu**; **Lepland, Aivo** *Vinterkonferansen 2019 : Bergen, January 7th-9th, 2019 : NGF abstracts and proceedings of the Geological Society of Norway 2019* / p. 37
https://www.geologi.no/konferanser/vinterkonferanser/item/download/72_6cdecc52529e2c144ddf98991fba2d8f

Weather extremes and tree species shape soil greenhouse gas fluxes in an experimental fast-growing deciduous forest of air humidity manipulation

Torga, Raili; Mander, Ü.; Soosaar, Kaido; Kupper, Priit; Tullus, Arvo; Rosenväld, Katrin; Ostonen, Mika; **Kutti, Sander**; Jaagus, Jaak; Sõber, Jaak *Ecological engineering* 2017 / p. 369-377 : ill <https://doi.org/10.1016/j.ecoleng.2017.05.025> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Years are not brothers: Two-year comparison of greenhouse gas fluxes in large shallow Lake Võrtsjärv, Estonia

Rõõm, Eva-Ingrid; Nõges, Peeter; Feldmann, Tõnu; Tuvikene, Lea; **Kisand, Anu**; Teearu, Helis; Nõges, Tiina *Journal of hydrology* 2014 / p. 1594-1606 : ill <https://doi.org/10.1016/j.jhydrol.2014.09.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)