

A synthetic ice core approach to estimate ion relocation in an ice field site experiencing periodical melt : a case study on Lomonosovfonna, Svalbard

Vega, Carmen Paulina; Pohjola, Veijo A.; Beaudon, Emilie; **Martma, Tõnu** The cryosphere 2016 / p. 961-976 : ill
<https://doi.org/10.5194/tc-10-961-2016>

Antarctic Ice Rises as potential ice core drill sites - examples from Fimbul Ice Shelf, Dronning Maud Land

Vega, Carmen Paulina; Isaksson, Elisabeth; Divine, Dmitry V.; **Martma, Tõnu** IPICS 2016 : abstracts 2016 / p. [128]
<https://static1.squarespace.com/static/5459b25de4b00ee921cd006d/t/56dce081c2ea51eadac2f4e1/1457315995517/IPICS+2016+-+Abstracts.pdf>

Arktika jää sulab arvatust kiiremini

Maran, Kaur; **Vaikmäe, Rein** Postimees 2018 / lk. 24 [Arktika sulab arvatust kiiremini](#)

Brief Communication : mapping river ice using drones and structure from motion

Alfredsen, Knut; Haas, Christian; **Tuhtan, Jeffrey Andrew**; Zinke, Peggy The cryosphere 2018 / p. 627-633 : ill
<https://doi.org/10.5194/tc-12-627-2018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined analysis of Cryosat-2/SMOS sea icethickness data with model reanalysis fields over the Baltic Sea

Raudsepp, Urmas; Uiboupin, Rivo; Maljutenko, Ilja; Hendricks, Stefan; Ricker, Robert; Liu, Ye; Iovino, Doroteaciro; Peterson, K. Andrew; Zuo, Hao; Lavergne, Thomas; Aaboe, Signe; Raj, Roshin P. Journal of operational oceanography 2019 / p. s73-s79 : ill., map
<https://doi.org/10.1080/1755876X.2019.1633075>

Compaction of circular ice floes - comparing experiments and 3D discrete element simulations

Tuhkuri, Jukka; Hopkins, Mark A. Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 272-275: ill

A comprehensive approach to scenario-based risk management for Arctic waters

Bergström, Martin; Browne, Thomas; Ehlers, Sören; Helle, Inari; Herrnring, Hauke; Khan, Faisal; Kubiczek, Jan; Kujala, Pentti; **Kõrgesaar, Mihkel**; Leira, Bernt Johan; Parviainen, Tuuli; Polojärvi, Arttu; Suominen, Mikko; Taylor, Rocky; Tuhkuri, Jukka; Vanhatalo, Jarno; Veitch, Brian Ship Technology Research 2022 / p. 129-157 <https://doi.org/10.1080/09377255.2022.2049967> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Critical aspects for collision induced oil spill response and recovery system in ice conditions: A model-based analysis

Lu, Liangliang; Goerlandt, Floris; **Tabri, Kristjan**; Høglund, Anders; Banda, Osiris A. Valdez; Kujala, Pentti Journal of loss prevention in the process industries 2020 / art. 104198, 20 p. : ill <https://doi.org/10.1016/j.jlp.2020.104198> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of the climate signal preserved in Svalbard ice. Have the high Svalbard ice fields reached a tipping point?

Spolaor, Andrea; Barbaro, Elena; Burgay, F.; **Martma, Tõnu** IUGG 2019 : abstract book 2019 / [1] p., abstract: IUGG19-0417
<http://iugg2019montreal.com/abstract-book.html>

Diversity of Antarctic lakes, ponds and streams

Howard-Williams, Clive; Hawes, Ian; Doran, Peter; Siegert, Martin; Camacho, Antonio; **Kaup, Enn** Antarctic environments portal 2019 <https://doi.org/10.18124/e777-zf62> <https://www.environments.aq/information-summaries/diversity-of-antarctic-lakes-ponds-and-streams/>

Ei julge päikesepaneelidesse investeerida? Unikaalne tehnoloogia lahendab selle ja veel mitu teist muret [Võrguväljaanne]

digipro.geenius.ee 2022 ["Ei julge päikesepaneelidesse investeerida? Unikaalne tehnoloogia lahendab selle ja veel mitu teist muret"](#)

Estimating the wave statistics bias in the partially ice-covered regions of the Baltic Sea

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Giudici, Andrea; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / P. 181-182 : ill [Proceeding](#)

Event-based observations of stable water isotopes in precipitation in Ny-Ålesund to support interpretation of Svalbard ice core data

Divine, Dmitry V.; **Martma, Tõnu**; Isaksson, Elisabeth IPICS 2016 : abstracts 2016 / p. [168]
<https://static1.squarespace.com/static/5459b25de4b00ee921cd006d/t/56dce081c2ea51eadac2f4e1/1457315995517/IPICS+2016+-+Abstracts.pdf>

Extraction of ice structuring proteins from winter rye and winter wheat and assessment of activity

Kaleda, Aleksei; Taal, Laura; Laos, Katrin 9th Baltic Conference on Food Science and Technology "Food for Consumer Well-Being" : FOODBALT 2014 : Jelgava, Latvia, 8-9 May 2014 2014 / [1] p

4.2 Geographical and seasonal coverage of sea ice in the Baltic Sea

Raudsepp, Urmas; Uiboupin, Rivo; Laanemäe, Kaari; Maljutenko, Ilja Journal of operational oceanography 2020 / p. S1-S172, 11 p <https://doi.org/10.1080/1755876X.2020.1785097>

Free amino acids in the Arctic snow and ice core samples : potential markers for paleoclimatic studies

Barbaro, Elena; Spolaor, Andrea; Karroca, Ornella; Park, Ki-Tae; **Martma, Tõnu** Science of the total environment 2017 / p. 454-462 : ill <https://doi.org/10.1016/j.scitotenv.2017.07.041>

Functional analysis of ice-binding proteins and practical application in ice cream = Jäaga seonduvate valkude funktsionaalne analüüs ja kasutamine jäätises

Kaleda, Aleksei 2018 <https://digi.lib.ttu.ee/i/?11144>

Hydrodynamical analysis of ice floods

Kivisild, Hans R. International Association for Hydraulic Research : 8th Congress, Montreal, August 24-29, 1959 1959 / p. 23-F-1 - 23-F-30: ill

Ice conditions of a large shallow lake (Lake Peipsi) determined by observations, an ice model, and satellite images

Reinart, Anu; Pärn, Ove Proceedings of the Estonian Academy of Sciences. Biology. Ecology 2006 / 3, p. 243-261 : ill

Ice cream structure modification by ice-binding proteins

Kaleda, Aleksei; Tsenov, Robert; Klesment, Tiina; Vilu, Raivo; Laos, Katrin Food Chemistry 2018 / p. 164-171
<https://doi.org/10.1016/j.foodchem.2017.10.152> Journal at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ice-induced loads on offshore wind turbines in the Baltic Sea

Tabri, Kristjan; Tõns, Tõnis; Suominen, Mikko; **Kõrgesaar, Mihkel** Proceedings of the ASME 2022 41st International Conference on Ocean, Offshore and Arctic Engineering. Volume 6: Polar and Arctic Sciences and Technology 2022 / art. OMAE2022-79035, V006T07A022; 9 pages <https://doi.org/10.1115/OMAE2022-79035>

Identification and functional analysis of a novel Antarctic ice binding protein

Mangiagalli, Marco; Bar-Dolev, Maya; **Kaleda, Aleksei; Natalello, Antonino** New biotechnology 2016 / p. S212
<https://doi.org/10.1016/j.nbt.2016.06.1452>

Impact of changes in sea ice cover on the wave climate of semi-enclosed, seasonally ice-covered water bodies at temperate latitudes: a case study in the Gulf of Riga

Najafzadeh, Fatemeh; Soomere, Tarmo Estonian journal of earth sciences 2024 / p. 26-36 <https://doi.org/10.3176/earth.2024.03>

Jää Kuul?

Kalv, Peep Universum 1997 / lk. 217-218: ill

Jää Kuul?

Kalv, Peep Horisont 1997 / 4, lk. 23: ill

Jäämurdestrateegia peab parandama puudulikku tehnilist varustatust : [TTÜs kaitstud magistritööst]

Kirss, Carol Transport ja Logistika : infoleht 2005 / nov., lk. 12-14 https://artiklid.elnet.ee/record=b1406844*est

Jäänähtuste ja veetemperatuuri tundlikkus kliima muutusele

Pärn, Ove Tartu Ülikooli Ilmade Observatooriumi 140. juubeli konverentsi ettekanded 2006 / lk. 97-106 : ill

Keskkonnaagentuuri uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot [Võrguväljaanne]

Tähismaa, Inno lounaeestlane.ee 2021 ["Keskkonnaagentuuri uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot"](https://artiklid.elnet.ee/record=b1406844*est)

Külm on Läänemerest juba veerandi jääteki alla surunud

Raudvere, Rein-Erich maalet.ee 2024 [Külm on Läänemerest juba veerandi jääteki alla surunud](https://artiklid.elnet.ee/record=b1406844*est)

Late Glacial vegetation, sedimentation and ice recession chronology in the surroundings of Lake Prossa, central Estonia

Kihno, Kersti; Saarse, Leili; Amon, Leeli Estonian journal of earth sciences 2011 / 3, p. 147-158 : ill
https://artiklid.elnet.ee/record=b2424687*est

Late Ordovician karst valleys, caves, and breccias of Baltoscandia - a mirror of glacioeustatic sea level changes on a subtropical carbonate shelf

Lehnert, Oliver; Männik, Peep; Nõlvak, Jaak; Kröger, Björn; Joachimski, Michael M.; Calner, Mikael; **Bauert, Heikki;** Schmid, Rebekka Fossils : Key to evolution, stratigraphy and palaeoenvironments : 87th Annual Conference of the Paläontologische Gesellschaft e. V. : Dresden, September 11-15, 2016 : programme, abstracts, field trip guides 2016 / p. 91-92
http://www.palges.de/fileadmin/pdf/Tagung_2016/PalGesDresden_programme_abstracts.pdf

Lugeja küsib : kas sildade all on jää õhem kui mujal?

Reimann, Andres novaator.err.ee 2024 [Lugeja küsib : kas sildade all on jää õhem kui mujal?](https://artiklid.elnet.ee/record=b1406844*est)

Lumi ja hiidpurikad võivad katuse lõhkuda : [ka TTÜ professori K.Õigeri tähelepanekutest ja juhistest]

Tooming, Urmas; **Õiger, Karl** Postimees 2010 / 9. jaan., lk. 6

Marine terraces of Western Taimyr and Kara Sea Islands vs. Kara Sea ice sheets

Gusev, Evgeny; **Molodkov, Anatoli**; Yarzhembovsky, Yaroslav 5th International Conference on Palaeo-Arctic Spatial and Temporal (PAST) Gateways : 22-26 May 2017, Kristineberg Field Station, Sven Lovén Centre/University of Gothenburg Fiskebäckskil, Sweden 2017 / p. 40-41

Marsil paljandus jää

Ivask, Jüri Horisont 2009 / 6, lk. 5 : ill

Merepõhja kattev õlireostus ohustab kalu ja põhjaloomi : [TTÜ meresüsteemide instituudi direktori Jüri Elkeni kommentaaridega]

Käärt, Urve; **Elken, Jüri** Eesti Päevaleht 2006 / 10. veebr., lk. 6 <https://epl.delfi.ee/artikkel/51030463/merepohja-kattev-olireostus-ohustab-kalu-ja-pohjaloomi>

Mis on «must jää» ja miks veetorud külmuvad just ilma soojenedes?

Munter, Rein postimees.ee 2023 [Mis on «must jää» ja miks veetorud külmuvad just ilma soojenedes?](https://postimees.ee/2023/01/10/mis-on-must-jaa-ja-miks-veetorud-kylmuvad-just-ilma-soojenedes/)

Preface : selected papers of the Seventh Workshop on Baltic Sea Ice Climate, Tallinn 2011

Erm, Ants Estonian journal of earth sciences 2013 / p. 1 https://artiklid.elnet.ee/record=b2607277*est

Pressure and inertia sensing drifters for glacial hydrology flow path measurements

Alexander, Andreas; **Kruusmaa, Maarja**; **Tuhtan, Jeffrey Andrew**; Hodson, Andrew J.; Schuler, Thomas V.; Kääb, Andreas The cryosphere 2020 / p. 1009-1023 <https://doi.org/10.5194/tc-14-1009-2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Protection of marine seismic probe receiving arrays towed in ice environment against the underwater noise generated by geophysical survey vessels

Maizel, A.B. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 285-288: ill

Relative gravity measurements on ice-covered water bodies

Oja, Tõnis; Bloom, Ahti; **Talvik, Silja**; Jürgenson, Harli; **Ellmann, Artu** 150th Anniversary of the IAG : book of abstracts : September 1-6, 2013, Potsdam 2013 / p. 379

Ride or dive

Adamson, Paula Johanna Studioosus 2018 / lk. 8-9 https://www.ester.ee/record=b1558644*est

Saturn-shaped ice burst pattern and fast basal binding of an ice-binding protein from an Antarctic bacterial consortium

Kaleda, Aleksei; Haleva, Lotem; Sarusi, Guy Langmuir 2019 / p. 7337-7346 : ill <https://doi.org/10.1021/acs.langmuir.8b01914> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scenario-Based Risk Management for Arctic Waters

Bergström, Martin; Browne, Thomas; Ehlers, Sören; Helle, Inari; Hermring, Hauke; Khan, Faisal; Kubiczek, Jan; Kujala, Pentti; **Kõrgesaar, Mihkel**; Leira, Bernt Johan; Parviainen, Tuuli; Polojärvi, Arttu; Suominen, Mikko; Taylor, Rocky; Tuhuri, Jukka; Vanhatalo, Jarno; Veitch, Brian Proceedings of the ASME 2022 41st International Conference on Ocean, Offshore and Arctic Engineering. Volume 6: Polar and Arctic Sciences and Technology 2022 / p. V006T07A004-01-V006T07A004-13 <https://doi.org/10.1115/OMAE2022-80767> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Sea-ice chemistry and influence of glacial meltwater in a Spitsbergen Fjord [Online resource]

Fransson, Agneta; Chierici, Melissa; Nomura, Daiki; **Martma, Tõnu** Where the Poles come together : abstract proceedings : Open Science Conference, 19 - 23 June 2018, Davos, Switzerland 2018 / p. 933 <http://www.professionalabstracts.com/POLAR2018/iPlanner/#/presentation/1716> https://www.polar2018.org/uploads/2/4/6/0/24605948/polar2018_abstractproceedings.pdf

Sentinel satelliitide andmetel põhinev operatiivne jääseireteenus

Rikka, Sander; **Sipelgas, Liis**; **Simon, Martin**; Služenikina, Jekaterina; **Siitam, Laura**; **Uiboupin, Rivo** Kaugseire Eestis 2021 : artiklikogumik 2022 / p. 53-64 https://sisu.ut.ee/sites/default/files/kaugseire/files/kaugseire_eestis_2021_artiklikogumik_1.pdf <https://kaugseire.ee/2021>

Spatial and temporal variability of sea-salts in ice cores and snow pits from Fimbul Ice Shelf, Antarctica [Online resource]

Vega, Carmen Paulina; Isaksson, Elisabeth; Divine, Dmitry V.; Schlosser, Elisabeth; **Martma, Tõnu**; Mulvaney, Robert; Eichler, Anja; Schwikowski, Margit Past Antarctic Ice Sheet Dynamics (PAIS) Conference : September 10-15th 2017, Trieste - Italy : [abstracts] 2017 / [2] p <http://www.scar-pais.org/index.php/conference>

Strength analysis of medium voltage overhead line crossarms for updating conductor

Kiitam, Ivar; Taklaja, Paul; Pohlak, Meelis; Põdra, Priit; Palu, Ivo 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/PQ.2019.8818235>

Surface mass balance and water stable isotopes derived from firn cores on three ice rises, Fimbul Ice Shelf, Antarctica

Vega, Carmen Paulina; Schlosser, Elisabeth; Divine, Dmitry V.; **Martma, Tõnu** The cryosphere 2016 / p. 2763-2777 : ill <http://dx.doi.org/10.5194/tc-10-2763-2016>

Svalbard ice and snow as archives for climate and pollution

Isaksson, Elisabeth; Divine, Dmitry V.; **Martma, Tõnu** IPICS 2016 : abstracts 2016 / p. [127] <https://static1.squarespace.com/static/5459b25de4b00ee921cd006d/t/56dce081c2ea51eadac2f4e1/1457315995517/IPICS+2016+-+Abstracts.pdf>

Svalbard ice cores studies threatened by rapid climate warming

Isaksson, Elisabeth; Divine, Dmitry V.; Gallet, Jean-Charles; Kohler, Jack; **Martma, Tõnu** Geophysical research abstracts 2019 / p. EGU2019-7727 <https://meetingorganizer.copernicus.org/EGU2019/EGU2019-7727.pdf>

The final meltdown of dead-ice at the Holocene Thermal Maximum (8500–7400 cal. yr BP) in western Latvia, eastern Baltic

Stivrinš, Normunds; Liiv, Merlin; Heinsalu, Atko; Galka, Mariusz; **Veski, Siim** The Holocene 2017 / p. 1146-1157 : ill <https://doi.org/10.1177/0959683616683255>

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

Pärm, 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>

Täpsemad mereandmed aitavad võidelda kõrgete elektrihindadega [Võrguväljaanne]

Lagemaa, Priidik novaator.err.ee 2022 [Täpsemad mereandmed aitavad võidelda kõrgete elektrihindadega](#)

Uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot [Võrguväljaanne]

Soopan, Ivar rohe.genius.ee 2021 ["Uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot"](#)

Variability of sea salts in ice and firn cores from Fimbul Ice Shelf, Dronning Maud Land, Antarctica

Vega, Carmen Paulina; Isaksson, Elisabeth; Schlosser, Elisabeth; Divine, Dmitry V.; **Martma, Tõnu** The Cryosphere 2018 / p. 1681-1697 : ill <https://doi.org/10.5194/tc-12-1681-2018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wave energy potential in the seasonally ice-covered Baltic Sea based on a long-term hindcast

Alari, Victor; Björkqvist, Jan-Victor; **Pärm, Ove** 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book : 12–15 June 2018 Klaipėda, Lithuania 2018 / p. 11 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Полезная новинка: с помощью ледовой карты можно отслеживать состояние льда на водоемах Эстонии [Online resource]

rus.delfi.ee 2021 ["Полезная новинка: с помощью ледовой карты можно отслеживать состояние льда на водоемах Эстонии"](#)

Предотвращение зимней скользкости на дорогах на основе анализа метеорологической информации

Самодурова Т.В. Научная конференция "Безопасность движения", Таллинн, 14-15 ноября 1990 г. : тезисы 1990 / с. 193-195

Читатель спрашивает : почему лед под мостами тоньше, чем в других местах?

Reimann, Andres nauka.err.ee 2024 [Читатель спрашивает: почему лед под мостами тоньше, чем в других местах?](#)

Эксперт рассказал, что такое «черный лед» и почему лопаются замерзшие водопроводные трубы

Munter, Rein rus.postimees.ee 2023 [Эксперт рассказал, что такое «черный лед» и почему лопаются замерзшие водопроводные трубы](#)

Эстонские ученые обнаружили следы движения айсберга на дне моря вблизи Хийумаа [Online resources]

rus.err.ee 2022 [Эстонские ученые обнаружили следы движения айсберга на дне моря вблизи Хийумаа](#)