

### **Acritarchs from the Middle and Upper Ordovician of Estonia and their stratigraphic implications**

Raevskaja, Elena; **Hints, Olle** 13th International Symposium on the Ordovician System : Novosibirsk, Russia (July 19-22, 2019) : contributions 2019 / p. 165-168 : ill <http://www.igcp653.org/wp-content/uploads/2019/07/ISOS13Proceedings.pdf>

### **Age calibration of the lower ordovician Fezouata Lagerstätte, Morocco**

Lefebvre, Bertrand; Gutiérrez-Marco, Juan C.; **Lehnert, Oliver**; Martin, Emmanuel L.O.; Nowak, Hendrik; Akodad, Mustapha; El Hariri, Khadija; Servais, Thomas Lethaia 2018 / p. 296 - 311 <https://doi.org/10.1111/let.12240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Age constraints of the Hungshihyen Formation (Early to Middle Ordovician) on the western margin of the Yangtze Platform, South China : new insights from chitinozoans**

**Liang, Yan**; Wang, Guang-Xu; Servais, Thomas; Wu, Rong-Chang; **Nölvak, Jaak**; **Hints, Olle**; Weif, Xin; Gong, Fang-Yi Palaeoworld 2020 / p. 66-74 : ill <https://doi.org/10.1016/j.palwor.2019.05.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Al<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> ratio of the clay fraction of Late Ordovician–Silurian carbonate rocks as an indicator of paleoclimate of the Fennoscandian Shield**

**Kiipli, Enli**; **Kiipli, Tarmo**; **Kallaste, Toivo**; **Siir, Sven** Palaeogeography, palaeoclimatology, palaeoecology 2012 / p. 312-320 : ill <https://www.sciencedirect.com/science/article/pii/S0031018212005494>

### **Borings and bioclustrations in bryozoans from the Kunda Regional Stage (Darriwilian; Middle Ordovician) of northern Estonia and NW Russia**

Vinn, Olev; Ernst, Andrej; Wilson, Mark A.; **Toom, Ursula** Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen 2022 / p. 219-225 : map <https://doi.org/10.1127/njgpa/2022/1044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Brachiopod shell thickness links environment and evolution**

Balthasar, Uwe; Jin, Jisuo; **Hints, Linda**; Cusack, Maggie Palaeontology 2020 / p. 171-183 : ill <https://doi.org/10.1111/pala.12450> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Carbon isotopic composition of Ordovician carbonates in Baltoscandia : shallow marine facies shifting the $\delta^{13}\text{C}_{\text{carb}}$ values in different ways**

Ainsaar, Leho; Meidla, Tõnu; **Hints, Olle** 13th International Symposium on the Ordovician System : Novosibirsk, Russia (July 19-22, 2019) : contributions 2019 / p. 7-8 <http://www.igcp653.org/wp-content/uploads/2019/07/ISOS13Proceedings.pdf>

### **Catalogue of Ordovician stratigraphical units and stratotypes of Estonia and Latvia = Eesti ja Läti ordoviitsiumi stratigraafiliste üksuste ja stratotüüpide kataloog = Igaunijas un Latvijas ordovika stratigrafisko jedalijumu un stratotipu katalogs**

1993

### **Changes in shelf phosphorus burial during the Hirnantian glaciation and its implications**

Müller, Johann; Joachimski, Michael M.; Lehnert, Oliver; **Männik, Peep**; Sun, Yadong Estonian journal of earth sciences 2023 / p. 151 <https://doi.org/10.3176/earth.2023.19>

### **Chitinozoans with “skirt”: Ultrastructure and palaeoecological implications of carina in Cyathochitina Eisenack, 1955**

Wang, Wenhui; Liang, Yan; Lyu, Qiao; **Hints, Olle**; Chen, Shefa; **Nölvak, Jaak** Palaeogeography, palaeoclimatology, palaeoecology 2021 / art. 110348, 16 p.: ill <https://doi.org/10.1016/j.palaeo.2021.110348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cryptic encrusting fauna inside invertebrate fossils from the Ordovician of Estonia**

Vinn, Olev; Ernst, Andrej; **Toom, Ursula**; Isakar, Mare Annales societatis geologorum Poloniae 2018 / p. 285-290 : ill <https://doi.org/10.14241/asgp.2018.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Discovery of rich Katian-Hirnantian jawed polychaete fauna from the Prague Basin, Czech Republic**

Tonarova, Petra; Vodražkova, Stanislava; Čap, Pavel; **Hints, Olle**; **Nölvak, Jaak**; Kubajko, Michal Lille 2021 : Ordovician of the World : programme with abstracts 2021 / p. 75-76 <https://docplayer.net/219093593-Programme-with-abstracts-2021-virtual-annual-meeting-of-igcp-virtual-annual-meeting-of-igcp-735.html>

### **Early Middle Ordovician scolecodonts from northwestern Argentina and the emergence of labidognath polychaete jaw apparatuses**

**Hints, Olle**; Tonarova, Petra; Eriksson, Mats E.; Rubinstein, Claudia V.; Puente, G. Susana de la Palaeontology 2017 / p. 583-593 : ill <https://doi.org/10.1111/pala.12303> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Fine clay shuttle as a key mechanism for V hyper-enrichment in shallow water Tremadocian black shale from Baltica**

**Ndiaye, Mawo**; **Pajusaar, Siim**; **Liiv, Merlin**; **Graul, Sophie Jane Marie-Pascale Huguette**; **Kallaste, Toivo**; **Hints, Rutt** Chemical geology 2023 / art. 121583 <https://doi.org/10.1016/j.chemgeo.2023.121583> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Geochemical discrimination of the Upper Ordovician Kinnekulle Bentonite in the Billegrav-2 drill core section, Bornholm, Denmark**

Kiipli, Tarmo; Kallaste, Toivo; Nielsen, Arne T.; Schovsbo, Niels H.; Siir, Sven *Estonian journal of earth sciences* 2014 / p. 264-270 : ill [https://artiklid.elnet.ee/record=b2705908\\*est](https://artiklid.elnet.ee/record=b2705908*est)

**Glendonite occurrences in the Tremadocian of Baltica : first Early Palaeozoic evidence of massive lkaite precipitation at temperate latitudes**

Popov, Leonid E.; Alvaro, J. Javier; Holmer, Lars E.; Bauert, Heikki; Hints, Olle; Männik, Peep 13th International Symposium on the Ordovician System : Novosibirsk, Russia (July 19-22, 2019) : contributions 2019 / p. 161-162 <http://www.igcp653.org/wp-content/uploads/2019/07/ISOS13Proceedings.pdf>

**High-resolution stratigraphic correlation and biodiversity dynamics of Middle and Late Ordovician marine fossils from Baltoscandia and Poland**

Goldman, Daniel; Sheets, H. David; Bergström, Stig M.; Nölvak, Jaak; Podhalanska, Teresa *GeoTirol 2016 : Annual Meeting DGGV, 25-28 September 2016, Innsbruck, Austria* : abstract volume 2016 / p. 87 <https://www.uibk.ac.at/geologie/geotiro12016-pangeo/images/abstractvolume.pdf>

**Hirnantian (Late Ordovician) brachiopod faunas across Baltoscandia : a global and regional context**

Harper, David A. T.; Hints, Linda *Palaeogeography, palaeoclimatology, palaeoecology* 2016 / p. 71-83 <https://doi.org/10.1016/j.palaeo.2015.11.044> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hirnantian sea-level changes in the Baltoscandian Basin, a review**

Kiipli, Enli; Kiipli, Tarmo *Palaeogeography, palaeoclimatology, palaeoecology* 2020 / art. 109524, 13 p. : ill <https://doi.org/10.1016/j.palaeo.2019.109524> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Immobile and mobile elements during the transition of volcanic ash to bentonite - an example from the early Palaeozoic sedimentary section of the Baltic Basin**

Kiipli, Tarmo; Hints, Rutt; Kallaste, Toivo; Verš, Evelin; Voolma, Margus *Sedimentary geology* 2017 / p. 148-159 : ill <https://doi.org/10.1016/j.sedgeo.2016.11.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Integrated conodont biostratigraphy and carbon isotope chemostratigraphy in the Lower-Middle Ordovician of southern Sweden reveals a complete record of the MDICE**

Wu, Rong-Chang; Calner, Mikael; Lehnert, Oliver *Geological magazine* 2017 / p. 334-353 : ill <https://doi.org/10.1017/S0016756816000017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Internal stratification of two thick Ordovician bentonites of Estonia : deciphering primary magmatic, sedimentary, environmental and diagenetic signatures**

Siir, Sven; Kallaste, Toivo; Kiipli, Tarmo; Hints, Rutt *Estonian journal of earth sciences* 2015 / p. 140-158 : ill [https://artiklid.elnet.ee/record=b2727638\\*est](https://artiklid.elnet.ee/record=b2727638*est)

**Latest Ordovician jawed polychaetes, chitinozoans and depositional environments of the Levín section, Prague Basin, Czech Republic**

Tonarová, Petra; Vodrážková, Stanislava; Hints, Olle; Nölvak, Jaak; Kubajko, Michal; Čáp, Pavel *Geobios* 2023 / p. 179-198 : ill <https://doi.org/10.1016/j.geobios.2023.01.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mean grain size fluctuations of the siliciclastic component in the Aizpute-41 core : implication for end-Ordovician glaciation**

Kiipli, Enli; Siir, Sven; Kallaste, Toivo; Kiipli, Tarmo *Estonian journal of earth sciences* 2014 / p. 257-263 : ill [https://artiklid.elnet.ee/record=b2705898\\*est](https://artiklid.elnet.ee/record=b2705898*est)

**Metal enrichment in lithologically complex black shales : a case study from the Tremadocian of NE Estonia**

Hints, Rutt; Pajusaar, Siim; Urtson, Kristjan; Liiv, Merlin; Kallaste, Toivo *Estonian journal of earth sciences* 2021 / p. 36-50 : ill <https://doi.org/10.3176/earth.2021.04> [https://kirj.ee/wp-content/plugins/kirj/pub/earth-1-2021-36-50\\_20210128130612.pdf](https://kirj.ee/wp-content/plugins/kirj/pub/earth-1-2021-36-50_20210128130612.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Micro-coprolites inside Ordovician body fossils from Estonia**

Toom, Ursula; Isakar, Mare; Hints, Olle; Madison, A.; Vinn, Olev 13th International Symposium on the Ordovician System : Novosibirsk, Russia (July 19-22, 2019) : contributions 2019 / p. 211-213 : ill <http://www.igcp653.org/wp-content/uploads/2019/07/ISOS13Proceedings.pdf>

**A new *Byronia* species from the Late Ordovician of Estonia**

Vinn, Olev; Kirsimäe, Kalle; Parry, Luke A.; Toom, Ursula *Estonian journal of earth sciences* 2016 / p. 201-206 : ill <https://doi.org/10.3176/earth.2016.17> [https://artiklid.elnet.ee/record=b2809365\\*est](https://artiklid.elnet.ee/record=b2809365*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nitrogen isotopes in kukersite and black shale implying Ordovician-Silurian seawater redox conditions**  
Kiipli, Enli; Kiipli, Tarmo Oil shale 2013 / p. 60-75 : ill [https://artiklid.elnet.ee/record=b2604253\\*est](https://artiklid.elnet.ee/record=b2604253*est)

**Noncalcified dasyclad algae from the Vasalemma Formation, late Sandbian (Late Ordovician) of Estonia**  
Kröger, Björn; Tinn, Oive; Rikkinen, Jouko; Jolis, Ester M.; Butcher, Alan R.; Toom, Ursula; Hints, Olle Review of palaeobotany and palynology 2023 / art. 104970, 9 p. : ill <https://doi.org/10.1016/j.revpalbo.2023.104970> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

**On the enigma of Palaenigma wrangeli (Schmidt), a conulariid with a partly non-mineralized skeleton**  
Kröger, Björn; Vinn, Olev; Toom, Ursula; Corfe, Ian J.; Kuva, Jukka; Zaton, Michal PeerJ 2021 / Art. e12374  
<https://doi.org/10.7717/peerj.12374> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ordovician and Silurian ichnofossils from carbonate facies in Estonia: A collection-based review**  
Toom, Ursula; Vinn, Olev; Hints, Olle Palaeoworld 2019 / p. 123-144 : ill <https://doi.org/10.1016/j.palwor.2018.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ordovician conodont diversity in the northern Baltic**  
Männik, Peep; Viira, Viive Estonian journal of earth sciences 2012 / p. 1-14 : ill [https://artiklid.elnet.ee/record=b2480015\\*est](https://artiklid.elnet.ee/record=b2480015*est)

**Oxygen isotope compositions of conodonts – analytical challenges of in situ SIMS studies**  
Wudarska, Alicja; Wiedenbeck, Michael; Hints, Olle; Männik, Peep; Lepland, Aivo; Joachimski, Michael M.; Couffignal, Frederic; Scicchitano, Maria Rosa; Wilke, Franziska D. H. Estonian journal of earth sciences 2023 / p. 166 <https://doi.org/10.3176/earth.2023.39>

**Paired organic and carbonate carbon isotope records through the Middle and Upper Ordovician of Estonia**  
Hints, Olle; Kaljo, Dimitri; Lepland, Aivo; Liiv, Merlin; Martma, Tõnu; Ainsaar, Leho 13th International Symposium on the Ordovician System : Novosibirsk, Russia (July 19-22, 2019) : contributions 2019 / p. 75-77 <http://www.igcp653.org/wp-content/uploads/2019/07/ISOS13Proceedings.pdf>

**Parasite-induced shell damage in brachiopod Porambonites (Porambonites) laticaudata from the Late Ordovician (Sandbian) of Estonia**  
Vinn, Olev; De Baets, Kenneth; Isakar, Mare; Toom, Ursula Estonian journal of earth sciences 2023 / p. 110-113 : phot  
<https://doi.org/10.3176/earth.2023.23> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Recent advances in the Ordovician stratigraphy of the Baltic Palaeobasin and Tornquist margin of Baltica**  
Meidla, Tõnu; Ainsaar, Leho; Hints, Olle; Radzevičius, Sigitas Estonian journal of earth sciences 2023 / p. 149  
<https://doi.org/10.3176/earth.2023.54>

**Revision of the concept of the orthide brachiopod Cyrtototella in the Middle Ordovician of the East Baltic**  
Hints, Linda Estonian journal of earth sciences 2014 / p. 63-70 : ill [https://artiklid.elnet.ee/record=b2673722\\*est](https://artiklid.elnet.ee/record=b2673722*est)

**Small cornulitids from the Upper Ordovician (Katian) of Estonia**  
Vinn, Olev; Wilson, Mark A.; Madison, Anna; Toom, Ursula Palaeoworld 2023 / 8 p. : ill <https://doi.org/10.1016/j.palwor.2022.12.005>  
[Journal metrics at Scopus](#) [Article at Scopus](#)

**Small faecal pellets in Ordovician shelly fossils from Estonia, Baltoscandia**  
Toom, Ursula; Vinn, Olev; Isakar, Mare; Madison, Anna; Hints, Olle Estonian journal of earth sciences 2020 / p. 1-19 : ill  
<https://doi.org/10.3176/earth.2020.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Stratigraphy and facies differences of the Middle Darrivilian Isotopic Carbon Excursion (MDICE) in Baltoscandia**  
Ainsaar, Leho; Tinn, Oive; Dronov, Andrei V.; Kiipli, Enli; Radzevičius, Sigitas; Meidla, Tõnu Estonian journal of earth sciences 2020 / p. 214–222 <https://doi.org/10.3176/earth.2020.16> [http://www.ester.ee/record=b2246661\\*est](http://www.ester.ee/record=b2246661*est) [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

**Symbiosis in trepostome bryozoans from the Sandbian (Late Ordovician) of Estonia**  
Vinn, Olev; Ernst, Andrej; Wilson, Mark A.; Toom, Ursula Historical Biology : An International Journal of Paleobiology 2022 / p. 1029-1038 : ill., map <https://doi.org/10.1080/08912963.2021.1959579> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)  
[Article at WOS](#)

**Symbiosis of cornulitids and bryozoans in the Late Ordovician of Estonia (Baltica)**  
Vinn, Olev; Ernst, Andrej; Toom, Ursula Palaios 2018 / p. 290-295 : ill <https://doi.org/10.2110/palio.2018.018> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Tectono-magmatic division of the Late Ordovician (Sandbian) volcanism at the southwestern margin of Baltica using immobile trace elements : Relations to the plate movements in the Iapetus Palaeo-Ocean**  
Kiipli, Tarmo; Hints, Rutt; Nielsen, Arne T.; Pajusaar, Siim; Schovsbo, Niels H. Geological journal 2020 / p. 5155-5165 : ill  
<https://doi.org/10.1002/gj.3737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Tectono-magmatic interpretation of the Ordovician and Silurian volcanism in the eastern region of the Iapetus Palaeo-Ocean : review from the volcanic record in the Baltic sedimentary basin**

Kiipli, Tarmo ResearchGate 2022 / 21 p. : ill <https://doi.org/10.13140/RG.2.2.24656.79368>

**The earliest cornulitid on the internal surface of the illaenid pygidium from the Middle Ordovician of Estonia**

Vinn, Olev; Toom, Ursula; Isakar, Mare Estonian journal of earth sciences 2017 / p. 193-197 : ill <https://doi.org/10.3176/earth.2017.19>

**The earliest Ordovician trace fossils Cruziana and Rusophycus from Baltica**

Pärnaste, Helje; Toom, Ursula; Popov, Leonid E. Estonian journal of earth sciences 2023 / p. 154  
<https://doi.org/10.3176/earth.2023.63>

**The Hirnantian (Late Ordovician) brachiopod fauna of the East Baltic : taxonomy of the key species**

Hints, Linda; Harper, David A. T. Acta palaeontologica polonica 2015 / p. 395-420 : ill <http://dx.doi.org/10.4202/app.2013.0010>

**The Ordovician and Silurian conodonts of Japan : their biostratigraphical and paleobiogeographical significance**

Männik, Peep; Maekawa, Takumi; Tanaka, Gengo; Hints, Olle Island Arc 2018 / art. e12269, 11 p. : ill <https://doi.org/10.1111/iar.12269>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The Ordovician brachiopod genus Cyrtontella: taxonomy and distribution in the Baltic Basin**

Hints, Linda Estonian journal of earth sciences 2019 / p. 147–159 : ill <https://doi.org/10.3176/earth.2019.10>  
[https://www.ester.ee/record=b2246661\\*est](https://www.ester.ee/record=b2246661*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The trace fossil Zoophycos from the Silurian of Estonia**

Vinn, Olev; Toom, Ursula Estonian journal of earth sciences 2015 / p. 284-288 : ill [https://artiklid.elnet.ee/record=b2750892\\*est](https://artiklid.elnet.ee/record=b2750892*est)

**Trace elements indicating humid climatic events in the Ordovician-early Silurian**

Kiipli, Enli; Kiipli, Tarmo; Kallaste, Toivo; Pajusaar, Siim Chemie der Erde = Geochemistry 2017 / p. 625-631 : ill  
<https://doi.org/10.1016/j.chemer.2017.05.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Trilobites and biofacies in the Early-Middle Ordovician of Baltica and a brief comparison with the Yangtze Plate**

Bergström, Jan; Pärnaste, Helje; Zhiyi, Zhou Estonian journal of earth sciences 2013 / p. 205-230 : ill  
[https://artiklid.elnet.ee/record=b2651566\\*est](https://artiklid.elnet.ee/record=b2651566*est)

**Two almost-forgotten Trypanites ichnospecies names for the most common Palaeozoic macroboring**

Knaust, Dirk; Dronov, Andrei V.; Toom, Ursula Papers in palaeontology 2023 / art. e1491, 17 p. : ill <https://doi.org/10.1002/spp2.1491>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**$\delta^{13}\text{C}$  chemostratigraphy in the upper Tremadocian through lower Katian (Ordovician) carbonate succession of the Siljan district, central Sweden**

Lehnert, Oliver; Meinhold, Guido; Wu, Rong-Chang; Calner, Mikael; Joachimski, Michael M. Estonian journal of earth sciences 2014 / p. 277-286 : ill <https://doi.org/10.3176/earth.2014.31> [https://artiklid.elnet.ee/record=b2705925\\*est](https://artiklid.elnet.ee/record=b2705925*est)