

**Abrupt rise in the contribution of CH<sub>4</sub> derived carbon to benthic secondary production of a shallow hemiboreal/boreal lake**

Belle, Simon; Tõnno, Ilmar; **Stivrinš, Normunds**; Freiberg, Rene; **Veski, Siim** Journal of quaternary science 2018 / p. 969-976 : ill <https://doi.org/10.1002/jqs.3075> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**AFM nanoshaving of covalently modified graphite for studying molecular self-assembly under lateral nanoconfinement**

Steeno, Roelof; Van Gorp, Hans; **Walke, Peter**; Mali, Kunal S.; De Feyter, Steven Journal of physical chemistry C 2021 / p. 21624-21634 <https://doi.org/10.1021/acs.jpcc.1c05700> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ag nanoparticles on mesoporous carbon support as cathode catalyst for anion exchange membrane fuel cell**

Linge, Jonas Mart; Erikson, Heiki; Mooste, Marek; Piirsoo, Helle-Mai; **Kaljuvee, Tiit**; Kikas, Arvo; Aruväli, Jaan; Kisand, Vambola; Tamm, Aile; Kannan, Arunachala Mada; Tammeveski, Kaido International Journal of Hydrogen Energy 2023 / p. 11058-11070 <https://doi.org/10.1016/j.ijhydene.2022.12.138> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Amino acids are key substrates to Escherichia coli BW25113 for achieving high specific growth rate**

**Maser, Andres; Peebo, Karl**; Vilu, Raivo; **Nahku, Ranno** Research in microbiology 2020 / p. 185-193 <https://doi.org/10.1016/j.resmic.2020.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of functional gene transcripts suggests active CO<sub>2</sub> assimilation and CO oxidation by diverse bacteria in marine sponges**

Feng, Guofang; Zhang, Fengli; Banakar, Shivakumar; **Karlep, Liisi**; Li, Zhiyong FEMS Microbiology Ecology 2019 / art. fiz087 <https://doi.org/10.1093/femsec/fiz087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Anname süsinikufondi raha idudele**

**Simson, Taavi** Äripäev 2020 / Lk. 12 : portr [https://www.ester.ee/record=b2122331\\*est](https://www.ester.ee/record=b2122331*est)

**Application of 13C-[2]- and 13C-[1,2] acetate in metabolic labelling studies of yeast and insect cells**

**Paalme, Toomas; Nisamedtinov, Ildar; Abner, Kristo; Laht, Tiiu-Maie; Drews, Monika; Pehk, Tõnis** Antonie van Leeuwenhoek 2006 / 3/4, p. 443-457 <https://link.springer.com/article/10.1007/s10482-005-9053-7>

**Bidding strategy of a microgrid considering risk interdependence between electricity and carbon markets**

Yan, Yuan; Lin, Zihan; **Wen, Fushuan; Palu, Ivo** 2019 IEEE Power & Energy Society General Meeting (PESGM) 2019 / 5 p. : ill <https://doi.org/10.1109/PESGM40551.2019.8974139>

**A bio- and chemostratigraphic search for the Mid-Ludfordian Carbon Isotope Excursion interval in the Ludlow of the Ohesaare core, Estonia**

**Kaljo, Dimitri; Martma, Tõnu; Märss, Tiiu; Nestor, Viiu-Kai; Viira, Viive** Estonian journal of earth sciences 2022 / p. 44-60 : ill <https://doi.org/10.3176/earth.2022.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Biostratigraphy, shoreline changes and origin of the Limnea Sea lagoons in northern Estonia: The case study of Lake Harku**

**Grudzinska, Ieva; Saarse, Leili; Vassiljev, Jüri; Heinsalu, Atko** Baltica 2014 / p. 15-24 : ill <https://doi.org/10.5200/baltica.2014.27.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**C/N ratio and carbon source-dependent lipid production profiling in Rhodotorula toruloides**

**Lopes, Helberth Júnior Santos; Bonturi, Nemailla**; Kerkhoven, Eduard Johannes; Miranda, Everson Alves; **Lahtvee, Petri-Jaan** Applied Microbiology and Biotechnology 2020 / p. 2639 - 2649 <https://doi.org/10.1007/s00253-020-10386-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Carbon accumulation rate in a raised bog in Latvia, NE Europe, in relation to climate warming**

**Stivrinš, Normunds; Liiv, Merlin**; Ozola, Ilze; **Reitalu, Triin** Estonian journal of earth sciences 2018 / p. 247-258 : ill <https://doi.org/10.3176/earth.2018.20> [http://www.ester.ee/record=b2246661\\*est](http://www.ester.ee/record=b2246661*est) [http://www.kirj.ee/public/Estonian\\_Journal\\_of\\_Earth\\_Sciences/2018/issue\\_4/earth-2018-4-247-258.pdf](http://www.kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2018/issue_4/earth-2018-4-247-258.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Carbon aerogel platinum-praseodymium oxide nanocatalyst for methanol oxidation in 0.5 M sulfuric acid : (digital presentation)**

Prits, Alise-Valentine; Nerut, Jaak; Kasuk, Heili; **Koel, Mihkel**; Sepp, Silver; Valk, Peeter; Aruväli, Jaan; Koppel, Miriam; **Mikli, Valdek; Volobujeva, Olga**; Lust, Enn ECS transactions 2022 / art. 79 <https://doi.org/10.1149/10807.0079ecst> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Carbon aerogel-based solid-phase microextraction coating for the analysis of organophosphorus pesticides**

**Jõul, Piia; Vaher, Merike; Kuitinskaja, Maria** Analytical methods 2021 / p. 69-76 : ill <https://doi.org/10.1039/D0AY02002H> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Carbon aerogel-cellulose films and fibres with electrical conductivity and antibacterial properties against cyanobacteria**

Elhi, Fred; Kisand, Veljo; Peikolainen, Anna-Liisa; **Koel, Mihkel**; Aabloo, Alvo 3rd Seminar on Aerogels : Synthesis-Properties-Applications : 22-23 September 2016, Mines ParisTech - PSL Research University, Sophia Antipolis (France) : proceedings 2016 / p. 180

**Carbon isotope systematics of the Cambrian-Vendian aquifer system in the northern Baltic Basin : implications to the age and evolution of groundwater**

**Raidla, Valle**; Kirsimäe, Kalle; **Vaikmäe, Rein**; **Kaup, Enn**; **Martma, Tõnu** Applied geochemistry 2012 / p. 2042-2052 : ill <https://doi.org/10.1016/j.apgeochem.2012.06.005>

**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>

**Carbon sources influence Fumonisin production in Fusarium proliferatum**

Li, Taotao; Gong, Liang; Jiang, Guoxiang; Wang, Yong; **Gupta, Vijai Kumar**; Qu, Hongxia; Duan, Xuewu; Wang, Jiasheng; Jiang, Yueming Proteomics 2017 / art. 1700070, 15 p. : ill <https://doi.org/10.1002/pmic.201700070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Carbon xerogel from 5-methylresorcinol-formaldehyde gel : the controllability of structural properties**

Peikolainen, Anna-Liisa; **Uibu, Mai**; Kozlova, Jekaterina; Mändar, Hugo; Tamm, Aile; Aabloo, Alvo Carbon trends 2021 / art. 100037, 11 p. : ill <https://doi.org/10.1016/j.cartre.2021.100037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Chemical vapour deposition growth of graphene and carbon nanotubes on alumina**

**Ivanov, Roman**; Anoshkin, Ilya; **Hussainova, Irina** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

**Climate and carbon neutrality in a consumptionist world**

**Soesoo, Alvar** Геология, геоэкология, эволюционная география 2020 / с. 196-200 <https://elibrary.ru/item.asp?id=44623618&pff=1>

**Climate effects on belowground tea litter decomposition depend on ecosystem and organic matter types in global wetlands**

Trevathan-Tackett, Stacey M.; Kepfer-Rojas, Sebastian; Malerba, Martino; Macreadie, Peter I.; Djukic, Ika; Zhao, Junbin; Young, Erica B.; York, Paul H.; **Stivins, Normunds** Environmental Science and Technology 2024 / p. 21589 - 21603 <https://doi.org/10.1021/acs.est.4c02116> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Comparison of carbon aerogel and carbide-derived carbon as electrode materials for non-aqueous supercapacitors with high performance**

Laheäär, Ann; **Peikolainen, Anna-Liisa**; **Koel, Mihkel**; Jänes, Alar; Lust, Enn The 63rd Annual Meeting of International Society of Electrochemistry : 19.-24.08.2012, Praha 2012 / Abstract #s04-068 <https://link.springer.com/article/10.1007/s10008-012-1660-4>

**Comparison of carbon aerogel and carbide-derived carbon as electrode materials for non-aqueous supercapacitors with high performance**

Laheäär, Ann; **Peikolainen, Anna-Liisa**; **Koel, Mihkel**; Jänes, Alar; Lust, Enn Journal of solid state electrochemistry 2012 / p. 2717-2722 : ill <https://link.springer.com/article/10.1007/s10008-012-1660-4>

**Comparison of the carbon nanofiber-/fiber- and silicone-based electrodes for bioimpedance measurements**

**Kõiv, Hip**; **Pesti, Ksenija**; **Min, Mart**; **Land, Raul**; Must, Indrek IEEE transactions on instrumentation and measurement 2020 / p. 1455-1463 <https://doi.org/10.1109/TIM.2019.2962297> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Controls on the  $^{14}\text{C}$  content of dissolved and particulate organic carbon mobilized across the Mackenzie River basin, Canada**

Campeau, A.; Soerensen, A.L.; **Martma, Tõnu**; Akerblom, S.; Zdanowicz, Christian Global biogeochemical cycles 2020 / 15 p. : ill <https://doi.org/10.1029/2020GB006671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Covalent coupling of ionic liquid to carbon nanotubes : preparation and tribological properties**

Taaber, Triinu; Põhako-Esko, Kaija; **Antonov, Maksim**; **Veinthal, Renno** Materials Research Society symposium proceedings 2014 / p. UU06-30 : ill <https://doi.org/10.1557/opl.2014.539> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Critical legal insight into the EU's Hydrogen Strategy**

**Keypour, Javad**; **Kerikmäe, Tanel**; **Chochia, Archil** Changing the paradigm of energy geopolitics : security, resources and pathways in light of global challenges 2023 / p. 107-116 <https://doi.org/10.3726/b18776>

**A critical role of non-active site residues on cyclooxygenase helices 5 and 6 in the control of prostaglandin stereochemistry at carbon 15**

**Valmsen, Karin**; Boeglin, William E.; **Järving, Reet**; **Järving, Ivar**; **Varvas, Külliki**; Brash, Alan R.; **Samel, Nigulas** The journal of biological chemistry 2007 / 38, p. 28157-28163 <https://www.sciencedirect.com/science/article/pii/S0021925820587127>

#### **Decarbonization strategies of Helsinki metropolitan area district heat companies**

Su, Yijie; **Hiltunen, Pauli**; **Syri, Sanna**; Khatiwada, Dilip Renewable and Sustainable Energy Reviews 2022 / Art. 112274 <https://doi.org/10.1016/j.rser.2022.112274> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Decrease of energy spilling in Escherichia coli continuous cultures with rising specific growth rate and carbon wasting**

**Valgepea, Kaspar**; **Adamberg, Kaarel**; **Vilu, Raivo** BMC systems biology 2011 / p. 106 <https://pubmed.ncbi.nlm.nih.gov/21726468/>

#### **Deformation mechanism studies by varying height to diameter ratio of Al-Mg and Al-Mg-C metal matrix composites**

Sharma, Shubham; **Singh, Neera**; Kumar, Devendra; Gupta, Sumit; Chaudhary, Vijay; Gupta, Niraj; Gupta, Pallav Journal of Advanced Manufacturing Systems 2023 / p. 603-618 <https://doi.org/10.1142/S0219686723500270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **[delta]13C record of the Upper Ordovician succession of the Borensult-1 core (Motala, Sweden) and its intracontinental correlation**

Lechnert, O.; Calner, M.; Joachimski, Michael M.; Buggisch, W.; **Nölvak, Jaak** The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 40

#### **Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells**

Lust, Enn; Sepp, Silver; Nerut, Jaak; **Taleb, Masoud** PRiME Meeting : MA2016-02, October 2-7, 2016, Honolulu, Hawaii 2016 / p. 2539 <http://ma.ecsdl.org/content/MA2016-02/38/2539.abstract?sid=3a2322bd-5e72-463a-b64a-1b02d671829b>

#### **Development of novel hierarchically microporous-mesoporous carbon and carbon nanospheres based materials and PEMFC single cells**

Lust, Enn; Sepp, Silver; Nerut, Jaak; **Taleb, Masoud** ECS transactions 2016 / p. 777-788 <http://dx.doi.org/10.1149/07514.0777ecst>

#### **Diamond-like carbon coatings on NdFeB magnets**

**Kruusing, Arvi**; **Podgurski, Vitali**; Osvet, Andres; Herranen, Merja Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 1, p. 26-33: ill

#### **Eesti kivimid aitasid lahendada iidse jääaja mõistatust : [artiklis viide Dimitri Kaljole]**

Kändler, Tiit Eesti Päevaleht 2010 / lk. 24

#### **Effect of carbon content on sinterability and properties of ZrO<sub>2</sub> doped WC-cermets**

Cura, M. Erkin; **Voltsihhin, Nikolai**; **Hussainova, Irina**; **Viljus, Mart**; Hannula, Simo-Pekka Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 771-776

#### **Effect of long-term application of organic fertilizers on improving organic matter quality in acid soil**

Mockeviciene, Ieva; Repsiene, Regina; Amaleviciute-Volunge, Kristina; Karcauskiene, Danute; Slepeliene, Alvyra; **Lepane, Viia** Archives of agronomy and soil science 2021 / p. 1192 - 1204 <https://doi.org/10.1080/03650340.2021.1875130> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effects of Carbon tax on urban Carbon Emission reduction : evidence in China environmental governance**

Zhao, Aiwen; Song, Xiaoqian; Li, Jiajie; Yuan, Qingchun; Pei, Yingshun; Li, Ruilin; **Hitch, Michael William** International journal of environmental research and public health 2023 / art. 2289, 19 p. : ill <https://doi.org/10.3390/ijerph20032289>

#### **Elaboration of sol-gel derived TiC-CNTs composite**

**Hussainova, Irina**; Umalas, Madis; Lõhmus, Ants; **Voltsihhin, Nikolai** 38th International Conference & Exposition on Advanced Ceramics and Composites : abstract book : January 26-31, 2014, Daytona Beach, Florida 2014 / p. 116

#### **Electroactive polymer actuators with carbon aerogel electrodes**

Palmre, Viljar; Lust, Enn; Jänes, Alar; **Koel, Mihkel**; **Peikola, Anna-Liisa**; Torop, Janno; Johanson, Urmas; Aabloo, Alvo Journal of materials chemistry 2011 / p. 2577-2583 : ill <https://pubs.rsc.org/en/content/articlelanding/2011/jm/c0jm01729a>

#### **Electrocatalysis of oxygen reduction by iron-containing nitrogen-doped carbon aerogels in alkaline solution**

Sarapuu, Ave; **Kreek, Kristiina**; Kisand, Kaarel; Kook, Mati; **Uibu, Mai**; **Koel, Mihkel**; Tammeveski, Kaido Electrochimica acta 2017 / p. 81-88 : ill <https://doi.org/10.1016/j.electacta.2017.01.157> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Electrospun polyacrylonitrile-derived Co and Fe containing nanofibre catalysts for oxygen reduction reaction at the alkaline membrane fuel cell cathode**

Mooste, Marek; Kibena-Põldsepp, Elo; **Vassiljeva, Viktoria**; Kikas, Arvo; Käärik, Maike; Kozlova, Jekaterina; Kisand, Vambola; Külaviir, Marian; Cavaliere, S.; Leis, Jaan; **Krumme, Andres**; Sammelselg, Väino; Holdcroft, Steven; Tammeveski, Kaido

### **Elemental and water-insoluble organic carbon in Svalbard snow: a synthesis of observations during 2007–2018**

Zdanowicz, Christian; Gallet, Jean-Charles; Björkman, Mats B.; Larose, Catherine; Schuler, Thomas V.; Luks, Bartłomiej; Koziol, Krystyna; Spolaor, Andrea; Barbaro, Elena; **Martma, Tõnu**; Wideqvist, Ulla; Ström, Johan Atmospheric chemistry and physics 2021 / p. 3035-3057 : ill <https://doi.org/10.5194/acp-21-3035-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energeetika ja kütuste tulevik ehk Viiekümne viiendaks vormi**

**Niidu, Allan** Sirp 2022 / lk. 6-7 : fot ["Energeetika ja kütuste tulevik ehk Viiekümne viiendaks vormi"](#)

### **Estimation of carbon emission factors for the Estonian shale oil industry**

**Siirde, Andres; Roos, Inge; Martins, Ants** Oil shale 2011 / 1S, p. 127-139 : ill [https://artiklid.elnet.ee/record=b2286556\\*est](https://artiklid.elnet.ee/record=b2286556*est)

### **Evaluation of carbon aerogel-based solid-phase extraction sorbent for the analysis of sulfur mustard degradation products in environmental water samples**

**Jõul, Piia; Vaher, Merike; Kuhtinskaja, Maria** Chemosphere 2018 / p. 460-468 <https://doi.org/10.1016/j.chemosphere.2018.01.157> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts**

Teppor, Patrick; Jäger, Rutha; Härk, Eneli; Sepp, Silver; Kook, Mati; **Volobujeva, Olga**; Paiste, Päärn; Kochovski, Zdravko; Tallo, Indre; Lust, Enn Journal of the Electrochemical Society 2020 / art. 054513 <https://doi.org/10.1149/1945-7111/ab7093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **First record of the early sheinwoodian carbon isotope excursion (ESCIE) from the Barrandian area of northwestern peri-Gondwana**

Fryda, Jiri; **Lehnert, Oliver**; Joachimski, Michael Estonian Journal of Earth Sciences 2015 / p. 42 - 46 <https://doi.org/10.3176/earth.2015.08>

### **14,000 years of climate-induced changes in carbon resources sustaining benthic consumers in a small boreal lake (Lake Tollari, Estonia)**

Belle, Simon; **Poska, Anneli**; Hossann, Christian; Tönno, Ilmar Climatic change 2017 / p. 205-219 : ill <https://doi.org/10.1007/s10584-017-2074-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A framework for regional high-level technical screening of promising CCUS value chains**

Lothe, Ane Elisabet; Gravaud, Isaline; da Silva, Eirik Falck; Skagestad, Ragnhild; **Šogenova, Alla**; **Šogenov, Kazbulat**; Sousa, Leandro; Wojcicki, Adam; Sinayuc, Caglar; Bülbül, Sevtaç; Bülbül, Sevtac; Perimenis, Anastasios; Bouvier, Laurianne 2024 [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=5068864](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5068864)

### **Genome-scale metabolic modeling reveals metabolic trade-offs associated with lipid production in Rhodotorula toruloides**

**Rekena, Alina**; Pinheiro, Marina J.; **Bonturi, Nemailla**; **Belouah, Isma**; Tammekivi, Eliise; Herodes, Koit; Kerkhoven, Eduard J.; **Lahtvee, Petri-Jaan** PLoS computational biology 2023 / art. e1011009 <https://doi.org/10.1371/journal.pcbi.1011009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Globaalsed ookeani veetaseme muutused Siluris - ekstrapolatsioon Läti Priekule läbilõikest ja seosed süsiniku isotoopnomaaliatega**

**Kiipli, Tarmo** Globaalsed muutused 2010 / lk. 40-46 : ill

### **Hella Riisalu: kuhu paigutada plastjäätmetes peituv liigne süsinik? Bioreaktorisse, nõudmiseni!**

**Riisalu, Hella** aripaev.ee 2023 [Hella Riisalu: kuhu paigutada plastjäätmetes peituv liigne süsinik? Bioreaktorisse, nõudmiseni!](#)

### **Highly active Fe-N/C oxygen electrocatalysts based on silicon carbide derived carbon**

Teppor, Patrick; Jäger, Rutha; Hints, J.; **Volobujeva, Olga**; Valk, Peeter; Koppel, Miriam; Lust, Enn Polymer Electrolyte Fuel Cells & Electrolyzers 20 (PEFC & E 20) 2020 / p. 607 - 615 <https://doi.org/10.1149/09809.0607ecst> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction**

**Kaare, Kätlin**; Yu, Eric; Volperts, Aleksandrs; Dobeles, Galina; Zhurish, Aivars; Dyck, Alexaner; Niaura, Gediminas; Tamasauskaitė-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati**; Kruusenberg, Ivar ACS omega 2020 / p. 23578-23587 : ill <https://doi.org/10.1021/acsomega.0c01974> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Identification of active sites for oxygen reduction reaction on nitrogen- and sulfur-codoped carbon catalysts**

Villemson, Karl Markus; **Kaare, Kätlin**; Raudsepp, Ragle; Käambre, Tanel; Šmits, Krišjānis; Wang, Pangpang; Kuzmin, Anton V.;



### **Impact of human activity and fire on vegetation, hydrology, and carbon accumulation in Mustjärve bog, Northwest Estonia (PEATFLAMES)**

Roberts, Harry; Andrews, Luke; **Amon, Leeli; Heinsalu, Atko**; Kołaczek, Piotr; Marcisz, Katarzyna; Słowiński, Michał; Stivrins, Normunds; **Veski, Siim**; Lamentowicz, Mariusz EGU General Assembly 2024 2024 / EGU24-8157 <https://doi.org/10.5194/egusphere-egu24-8157>

### **Improvement of biomass production by *Lactobacillus reuteri* using double-carbon source cultivation strategy**

Selvamani, Shanmugaprakasham; Malek, Roslinda Abd; Ramli, Solleh; Dailin, Daniel Joe; **Gupta, Vijai Kumar**; Sukmawati, Dalia; El-Adawi, Hala I.; Leng, Ong Mei; El Enshasy, Hesham Ali The 2nd Science and Mathematics International Conference (SMIC 2020) : Transforming Research and Education of Science and Mathematics in the Digital Age 2021 / art. 168153  
<https://doi.org/10.1063/5.0041975> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Influence of surface morphology on the tribological behavior of diamond-like carbon coating**

**Podgurski, Vitali; Bogatov, Andrei**; Freund, Martin; **Kulu, Priit** Engineering materials and tribology 2013 / p. 83-91 : ill

### **Integrated graptolite-conodont biostratigraphy and organic carbon chemostratigraphy of the Llandovery of Kallholn quarry, Dalarna, Sweden**

Walasek, Natalia; Loydell, David, K.; **Männik, Peep** Palaeogeography, palaeoclimatology, palaeoecology 2018 / p. 1-16 : ill  
<https://doi.org/10.1016/j.palaeo.2018.08.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Intercomparison and characterization of 23 Aethalometers under laboratory and ambient air conditions : procedures and unit-to-unit variabilities**

Cuesta-Mosquera, Andrea; Močnik, Griša; Drinovec, Luka; Müller, Thomas; Cruz Minguillon, Maria; Briel, Björn; Buckley, Paul; Dudoitis, Vadimas; **Keernik, Hannes** Atmospheric measurement techniques 2021 / p. 3195-3216 <https://doi.org/10.5194/amt-14-3195-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Introduction to nanomaterials and nanotechnology**

Pokropivny, Vladimir; Löhmus, Rünno; **Hussainova, Irina**; Pokropivny, Alex; Vlassov, Sergei 2007  
[https://www.ester.ee/record=b2310170\\*est](https://www.ester.ee/record=b2310170*est)

### **Investigations on new carbon-based nanohybrids combining carbon nanotubes and metal oxide nanoparticles**

**Rauwel, Protima**; Galeckas, Augustinas; **Salumaa, Martin**; Ducroquet, Frederiquet; **Rauwel, Erwan** 4th International Conference on Competitive Materials and Technology Processes : Miskolc-Lillafüred, Hungary, October 3-7, 2016 : book of abstracts 2016 / p. 250 [http://www.ic-cmt4.eu/doc/book\\_of\\_abstarct\\_iccmt4.pdf](http://www.ic-cmt4.eu/doc/book_of_abstarct_iccmt4.pdf)

### **Investigations on new carbon-based nanohybrids combining carbon nanotubes, HfO<sub>2</sub> and ZnO nanoparticles**

**Rauwel, Protima**; Galeckas, Augustinas; **Salumaa, Martin**; **Aasna, Andres**; Ducroquet, Frederiquet; **Rauwel, Erwan** IOP conference series : materials science and engineering 2017 / art. 012064, p. 1-5 : ill <https://doi.org/10.1088/1757-899X/175/1/012064>  
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Järvselja looduskaitseala potentsiaalse puidutootlikkuse ja puistutes oleva süsiniku rahalise väärtuse hindamine**

Adermann, Veiko; Padari, Allar; Sirmets, Risto; **Kosk, Aija**; Kaimre, Paavo Forestry studies = Metsanduslikud uurimused 2015 / lk. 29-43 [http://ise.elnet.ee/record=b2887285~S2\\*est](http://ise.elnet.ee/record=b2887285~S2*est)

### **Kas tulevikus peaks ürituste külastajatele pakkuma ainult taimset toitu?**

delfi.ee 2024 [Kas tulevikus peaks ürituste külastajatele pakkuma ainult taimset toitu?](#)

### **Kurnitski: Eesti on süsiniku jalajälje osas maha jäänud**

**Kurnitski, Jarek**; Viik, Urve kinnisvarauudised.ee 2024 [Kurnitski: Eesti on süsiniku jalajälje osas maha jäänud](#)

### **Latest Ordovician (Katian-Hirnantian) carbon isotope chemostratigraphy of the Oslo-Asker region, Norway**

Calner, Mikael; Calner, H.; **Lehnert, Oliver**; Bockelie, F. IGCP 591 : The Early to Middle Paleozoic Revolution : Closing Meeting, Ghent University, Belgium, 6-9 July 2016 : abstracts 2016 / p. 30

### **Llandovery carbon isotope trend in Estonia - local versus global signatures and correlation**

**Martma, Tõnu**; **Hints, Olle**; **Kaljo, Dimitri** Joint European Stable Isotope Users group Meeting : JESIUM 2016 : 4-9 September 2016, Ghent University, Ghent, Belgium : conference programme & book of abstracts 2016 / p. 206  
[http://www.jesium2016.eu/assets/bookabstracts\\_jesium2016\\_3108.pdf](http://www.jesium2016.eu/assets/bookabstracts_jesium2016_3108.pdf)

### **Llandovery carbon isotope trend in Estonia revisited : local versus global signatures and correlation**

**Hints, Olle**; **Kaljo, Dimitri**; **Männik, Peep**; **Martma, Tõnu**; Ostrov, K.; **Tonarova, Petra** IGCP 591 : The Early to Middle Paleozoic Revolution : Closing Meeting, Ghent University, Belgium, 6-9 July 2016 : abstracts 2016 / p. 46

### **Long term interferometric temporal coherence and DInSAR phase in northern peatlands**

Tampuu, Tauri; Praks, Jaan; **Uiboupin, Rivo**; Kull, Ain Remote Sensing 2020 / Art. 1566 <https://doi.org/10.3390/rs12101566> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lower-Middle Ordovician $\delta^{13}\text{C}$ chemostratigraphy of western Baltica (Jämtland, Sweden)**

Wu, Rong-Chang; Calner, Mikael; **Lehnert, Oliver**; Peterffy, Olof; Joachimski, Michael M. Palaeoworld 2014 / p. 110-122 : ill <https://doi.org/10.1016/j.palwor.2015.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mechanoelectrical impedance of a carbide-derived carbon-based laminate motion sensor at large bending deflections**

Must, Indrek; **Anton, Mart**; Viidalepp, Erki; Põldsalu, Inga; Punning, Andres; Aabloo, Alvo Smart Materials and Structures 2013 / art. 104015 <https://doi.org/10.1088/0964-1726/22/10/104015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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)

### **Microprinted carbon aerogel electrodes for sensors and actuators**

Põldsalu, Inga; Peikolainen, Anna-Liisa; Greco, Francesco; **Kreek, Kristiina**; Aabloo, Alvo TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

### **Middle and Upper Ordovician carbon isotope stratigraphy in Baltoscandia: towards a regional chemostratigraphic standard**

Ainsaar, Leho; **Kaljo, Dimitri**; **Martma, Tõnu**; Meidla, Tõnu The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 9

### **M–N–C materials as heterogeneous catalysts for organic transformations**

**Ping, Kefeng**; **Bhadoria, Rohit**; **Starkov, Pavel**; Kongi, Nadezda Coordination Chemistry Reviews 2023 / art. 215412 <https://doi.org/10.1016/j.ccr.2023.215412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modeling of a carbon nanotube junction with ab-initio software VASP**

**Velme, Enn**; **Klopov, Mihhail**; **Udal, Andres** BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 75-78 : ill

### **Modelling of decomposition and sulphation processes of oil shale carbonaceous part**

**Trikkel, Andres**; **Kuusik, Rein**, **keemik** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 70-71 [https://www.researchgate.net/publication/228493894\\_Modeling\\_of\\_decomposition\\_and\\_sulphation\\_of\\_oil\\_shale\\_carbonates\\_on\\_the\\_basis\\_of\\_natural\\_limestone](https://www.researchgate.net/publication/228493894_Modeling_of_decomposition_and_sulphation_of_oil_shale_carbonates_on_the_basis_of_natural_limestone) [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

### **Modular synthesis of (Borylmethyl)silanes through orthogonal functionalization of a carbon atom**

Chowdhury, Rajdip; **Elek, Gábor Zoltán**; Meana-Baamonde, B.; Mendoza, Abraham Organic letters 2023 / p. 1935-1940 : ill <https://doi.org/10.1021/acs.orglett.3c00474> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **More about the Ordovician-Silurian transition beds at Mirny Creek, Omulev Mountains, NE Russia: carbon isotopes and conodonts**

**Kaljo, Dimitri**; **Männik, Peep**; **Martma, Tõnu**; **Nõlvak, Jaak** Estonian journal of earth sciences 2012 / p. 277-294 : ill [https://artiklid.elnet.ee/record=b2552072\\*est](https://artiklid.elnet.ee/record=b2552072*est)

### **Multiple Palaeoproterozoic carbon burial episodes and excursions**

Martin, Adam P.; Prave, Anthony R.; Condon, Dan J.; **Lepland, Aivo**; Fallick, Anthony Edward; Romashkin, Alexander E.; Medvedev, Pavel V.; Rychanchik, Dmitry V. Earth and Planetary Science Letters 2015 / p. 226 - 236 <https://doi.org/10.1016/j.epsl.2015.05.023>

### **A multiproxy study of the Puhmu core section (Estonia, Upper Ordovician) : consequences for stratigraphy and environmental interpretation**

**Kaljo, Dimitri**; **Hints, Linda**; **Martma, Tõnu**; **Nõlvak, Jaak** Estonian journal of earth sciences 2017 / p. 77-92 : ill <https://doi.org/10.3176/earth.2017.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Multi-source remote sensing data reveals complex topsoil organic carbon dynamics in coastal wetlands**

Villoslada, Miguel; **Sipelgas, Liis**; Bergamo, Thaisa Fernandes; Ward, Raymond D.; Reintam, Endla; Astover, Alar; Kumpula, Timo; Sepp, Kalev Ecological Indicators 2022 / art. 109329 <https://doi.org/10.1016/j.ecolind.2022.109329> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **New data on Ordovician stable isotope record and conodont biostratigraphy from the Viki reference drill core, Saaremaa Island, western Estonia**

**Hints, Olle; Martma, Tõnu; Männik, Peep; Nõlvak, Jaak; Põldvere, Anne; Shen, Yanan; Viira, Viive** GFF 2014 / p. 100-104 : ill <https://doi.org/10.1080/11035897.2013.873989> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A new formal subdivision of the Holocene Series/Epoch in Estonia**

Hang, Tiit; **Veski, Siim; Vassiljev, Jüri; Poska, Anneli**; Kriiska, Aivar; **Heinsalu, Atko** Estonian journal of earth sciences 2020 / p. 269–280 <https://doi.org/10.3176/earth.2020.15> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **On land-related carbon cycling monitoring and control in Estonia [Electronic resource]**

**Gavrilova, Olga; Randle, Tiina; Vilu, Raivo** Proceedings of the Conference "11th ERP Environment/SDP2005 Conference", Helsinki 06-08. June 2005 2005 / p. 20 [CD-ROM]

### **On management and optimization of the carbon balance of Estonia - long term prospectives**

**Randle, Tiina; Vilu, Raivo** Abstracts : Symposium on Oil Shale 2002, 18-21 November 2002, Tallinn, Estonia 2002 / p. 63 [https://www.ester.ee/record=b1703301\\*est](https://www.ester.ee/record=b1703301*est)

### **Ordovician-Silurian boundary beds at Neitla, North Estonia: sedimentological and carbon isotopic signatures of events, some consequences**

**Kaljo, Dimitri**; Einasto, R.; **Martma, Tõnu** The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 29

### **Organic carbon isotope and conodont bio-chemostratigraphy of the base telychian (silurian) global boundary stratotype section and point (gssp), Cefn Cerig, Wales**

McAdams, Neo; Cramer, Bradley; Davies, Jeremy R.; **Männik, Peep**; Bancroft, Alyssa M. Geological Society of America Abstracts with Programs, vol 53, no. 6 2021 / paper no. 177-6 <https://doi.org/10.1130/abs/2021AM-370197>

### **Ozonation for the chemical modification of carbon surfaces in fly ash**

Gao, Y.; **Külaots, Indrek** Fuel 2001 / 5, p. 765-768 : ill

### **Paired carbonate and organic carbon isotope records from the Ordovician of Estonia: Local, regional or global drivers?**

**Hints, Olle; Lepland, Aivo; Liiv, Merlin**; Meidla, Tõnu; Ainsaar, Leho Zooming in on the GOBE : 2020 virtual annual meeting of IGCP 653 : International Geoscience Programme Project 653 : The onset of the Great Ordovician Biodiversification Event, September 7-10, 2020 : Abstracts 2020 / p. 24 ["Programme"](#)

### **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>

### **Paludiculture in Latvia—existing knowledge and challenges**

Ozola, Ilze; Dauskane, Iluta; Aunina, Ieva; **Stivriņš, Normunds** Land 2023 / art. 2039, 19 p. : ill <https://doi.org/10.3390/land12112039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Peat-derived carbon-based non-platinum group metal type catalyst for oxygen reduction and evolution reactions**

Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Palm, Rasmus; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Romann, Tavo; Härmas, R.; Aruväli, Jaan; Kikas, Arvo; Lust, Enn Electrochemistry Communications 2020 / art. 106700 <https://doi.org/10.1016/j.elecom.2020.106700> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Peat-derived carbon-based non-platinum group metal type catalyst for oxygen reduction and evolution reactions**

Teppor, Patrick; Jäger, Rutha; Paalo, Madis; Palm, R.; **Volobujeva, Olga**; Härk, E.; Kochovski, Z.; Romann, Tavo; Härmas, R.; Aruväli, J.; Kikas, A.; Lust, Enn GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 81 <http://fmdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

### **The performance of fibrous CDC electrodes in aqueous and non-aqueous electrolytes**

**Malmberg, Siret**; Arulepp, Mati; **Laanemets, Krista**; Käärik, Maike; Laheäär, Ann; **Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Krumme, Andres** C : Journal of Carbon Research 2021 / art. 46 <https://doi.org/10.3390/c7020046>

### **Photocurrent generation in carbon nanotube/cubic-phase HfO<sub>2</sub> nanoparticle hybrid nanocomposites**

**Rauwel, Protima**; Galeckas, Augustinas; **Salumaa, Martin**; Ducroquet, Frederiquet; **Rauwel, Erwan** Beilstein journal of nanotechnology 2016 / p. 1075-1085 : ill <https://doi.org/10.3762/bjnano.7.101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Plastjäätmete liigse süsiniku saab salvestada bioreaktorisse**

Imeline Teadus 2023 / lk. 20 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

### **Preparation of carbon aerogels from 5-methylresorcinol-formaldehyde gels**

**Perez-Caballero, Fernando; Peikolainen, Anna-Liisa; Uibu, Mai; Kuusik, Rein, keemik; Volobujeva, Olga; Koel, Mihkel**

Microporous and mesoporous materials 2008 / p. 230-236 : ill

#### **Preparation of fine carbon aerogel powder**

**Peikola, Anna-Liisa; Koel, Mihkel;** Aabloo, Alvo The 63rd Annual Meeting of International Society of Electrochemistry : 19.-24.08.2012, Praha 2012 <https://www.etis.ee/Portal/Publications/Display/e5e1ef5d-3700-4ba7-9c20-005efaae8d67>

#### **Preparation of metal-doped carbon aerogels from oil shale processing by-products**

**Kreek, Kristiina; Kulp, Maria; Uibu, Mai; Mere, Arvo; Koel, Mihkel** Oil shale 2014 / p. 185-194 : ill

[https://artiklid.elnet.ee/record=b2673721\\*est](https://artiklid.elnet.ee/record=b2673721*est) <https://doi.org/10.3176/oil.2014.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Preparation of nanostructured carbon materials**

**Perez-Caballero, Fernando; Peikola, Anna-Liisa; Koel, Mihkel** Proceedings of the Estonian Academy of Sciences 2008 / 1, p. 48-53 : ill

#### **President Kaljulaid andis Kadriorus üle noore teadlase preemiad [Võrguväljaanne]**

opleht.ee 2021 <https://opleht.ee/2021/02/president-kaljulaid-andis-kadriorus-ule-noore-teadlase-preemiad/>

#### **Přídolí carbon isotope trend and upper Silurian to lowermost Devonian chemostratigraphy based on sections in Podolia (Ukraine) and the East Baltic area**

**Kaljo, Dimitri; Martma, Tõnu;** Grytsenko, Volodymyr; Brazauskas, Antanas; Kaminskas, Donatas Estonian journal of earth sciences 2012 / p. 162-180 : ill [https://artiklid.elnet.ee/record=b2533830\\*est](https://artiklid.elnet.ee/record=b2533830*est)

#### **Puhdas puupinta**

Paajanen, Olli; **Rohumaa, Anti;** Harju, Anni; Takkunen, Juha; Seppä, Julia; Pasanen, Pertti; Vainio-Kaila, Tiina; Venäläinen, Martti Metsä, ympäristö ja energia : soveltavaa tutkimusta ja tuotekehitystä : vuosijulkaisu 2020 2020 / p. 190-199 <https://www.theseus.fi/bitstream/handle/10024/355599/URNISBN9789523442955.pdf?sequence=2>

#### **Quantum chemical study of the merostabilization of carbon radicals and radical ions**

Jürimäe, T.; Karelson, Mati 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 44

#### **Rauasüsinikusulamid**

**Kulu, Priit; Pärnapuu, Arnold** 1992 [http://www.ester.ee/record=b1062944\\*est](http://www.ester.ee/record=b1062944*est)

#### **Reconstructing the environmental conditions around the Silurian Ireviken Event using the carbon isotope composition of bulk and palynomorph organic matter**

Vandenbroucke, Thijs R. A.; Munnecke, Axel; Leng, Melanie J.; Bickert, Torsten; **Hints, Olle;** Gelsthorpe, David; Maier, Georg; Servais, Thomas Geochemistry, Geophysics, Geosystems 2013 / p. 86 - 101 <https://doi.org/10.1029/2012GC004348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Reconstruction of organic carbon sources in the palaeoenvironment of a lake : an optical approach**

**Leeben, Aina; Alliksaar, Tiit; Heinsalu, Atko; Lepane, Viia;** Salujõe, Jaana; **Veski, Siim** The 23rd International Meeting on Organic Geochemistry (IMOG2007) : Torquay, England, 9-14 September 2007 2007 / p. 1051-1052

#### **Regional variability in peatland burning at mid-to high-latitudes during the Holocene**

Sim, Thomas G.; Swindles, Graeme T.; Morris, Paul J.; Baird, Andy J.; Gallego-Sala, Angela V.; Wang, Yuwan; Blaauw, Maarten; Camill, Philip; Gameau, Michelle; Hardiman, Mark; Loisel, Julie; Väiliranta, Minna; **Stivrinš, Normunds** Quaternary Science Reviews 2023 / art. 108020 <https://doi.org/10.1016/j.quascirev.2023.108020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Removal of heavy metals and total organic carbon from wastewater using powdered activated carbon**

**Lember, Erki; Pachel, Karin; Loigu, Enn** Proceedings of the Estonian Academy of Sciences 2019 / p. 100–110 : ill <https://doi.org/10.3176/proc.2019.1.10> [http://www.kirj.ee/public/proceedings\\_pdf/2019/issue\\_1/proc-2019-1-100-110.pdf](http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-100-110.pdf) [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 <https://doi.org/10.1016/j.earscirev.2013.10.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **A review of the synthesis and photoluminescence properties of hybrid ZnO and carbon nanomaterials**

**Rauwel, Protima; Salumaa, Martin; Aasna, Andres;** Galeckas, Augustinas; **Rauwel, Erwan** Journal of nanomaterials 2016 / art. 5320625, 12 p. : ill <https://doi.org/10.1155/2016/5320625> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Role of defects in the physiological fate of carbon nanomaterials**



**Käkinen, Aleksandr; Kuusik, Rein, keemik TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p**

### **Sandbian-lower Katian conodont correlation of Baltoscandian Basin**

Paiste, Tõnn; **Männik, Peep**; Stouge, Svend; Ainsaar, Leho; Meidla, Tõnu XI Baltic Stratigraphical Conference : abstracts and field guide 2024 / p. 30 [https://www.ester.ee/record=b5696260\\*est](https://www.ester.ee/record=b5696260*est) <https://files.geocollections.info/690f8e32-1800-48f2-85e5-f07cea55ba08.pdf>

### **Scientific backgrounds and technology of health-resorts reservoirs protection against harmful effects of carbonaceous mineral waters discharged by hydrophatic establishments**

Linevich, S.N.; Ignatenko, S.I.; Ignatenko, L.K. Theses of the reports of the VIII Symposium Concerning the Problems of Waterbodies Water Quality, Tallinn, Oct. 23-25, 1990 1990 / p. 40-42

### **Searching for the Ordovician-Silurian boundary in Estonia, Latvia and Lithuania**

Meidla, Tõnu; **Hints, Olle**; Ainsaar, Leho Estonian journal of earth sciences 2023 / p. 70-73 : ill <https://doi.org/10.3176/earth.2023.53>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Shungite-derived graphene as a carbon support for bifunctional oxygen electrocatalysts**

Kazimova, Nargiz; **Ping, Kefeng; Alam, Mahboob; Danilson, Mati**; Merisalu, Maido; Aruväli, Jaan; Paiste, Päärm; Käärik, Maike; **Mikli, Valdek**; Leis, Jaan; Tammeveski, Kaido; **Starkov, Pavel**; Kongi, Nadežda Journal of catalysis 2021 / p. 178-187  
<https://doi.org/10.1016/j.jcat.2021.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Silurian records of carbon and sulfur cycling from Estonia : The importance of depositional environment on isotopic trends**

Richardson, Jocelyn A.; Keating, Colin; **Lepland, Aivo; Hints, Olle** Earth and planetary science letters 2019 / p. 71-82 : ill  
<https://doi.org/10.1016/j.epsl.2019.01.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sol-gel derived carbon microspheres by continuous ultrasonic spray pyrolysis**

Peikolainen, Anna-Liisa; **Uibu, Mai**; Aabloo, Alvo 31st Annual Conference of the European Society for Biomaterials (ESB 2021) 2021 [https://eventclass.org/contxt\\_esb2021/scientific/online-program/session?s=AERO+PS01](https://eventclass.org/contxt_esb2021/scientific/online-program/session?s=AERO+PS01)

### **Spheroidal carbonaceous particles in cryoconite sediment on the Russell glacier, Southwest Greenland**

**Stivrinš, Normunds**; Lamsters, Kristaps; Karušs, Jānis; Krievāns, Māris; Rečs, Agnis Baltica 2018 / p. 115-124 : ill  
<https://doi.org/10.5200/baltica.2018.31.11>  
[https://www.researchgate.net/publication/329466558\\_Spheroidal\\_carbonaceous\\_particles\\_in\\_cryoconite\\_sediment\\_on\\_the\\_Russell\\_glacier](https://www.researchgate.net/publication/329466558_Spheroidal_carbonaceous_particles_in_cryoconite_sediment_on_the_Russell_glacier)  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Step-wise temperature decreasing cultivates a biofilm with high nitrogen removal rates at 9°C in short-term anammox biofilm tests**

Zekker, Ivar; Rikmann, Ergo; Mandel, Anni; Kroon, Kristel; **Seiman, Andrus**; Mihkelson, Jana; Tenno, Taavo; Tenno, Toomas Environmental technology 2016 / p. 1933 - 1946 <https://doi.org/10.1080/09593330.2015.1135995> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Study of CU<sub>2</sub>GE(S,SE)<sub>3</sub> and CU<sub>2</sub>CDGE(S,SE)<sub>4</sub> monograin powders for photovoltaic applications**

**Li, Xiaofeng; Timmo, Kristi; Kauk-Kuusik, Marit** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 32 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

### **Süsinikaeroeelid ja nende modifitseerimine ioonsetes vedelikes**

**Peikolainen, Anna-Liisa; Lõo, Simo; Koel, Mihkel** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 62

### **Süsinikaeroeelid kui tugimaterjalid heterogeenses katalüüsis**

**Perez-Caballero, Fernando; Koel, Mihkel** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 82-83

### **Süsinikradikaalide ja radikaalioonide merostabilisatsiooni kvantkeemiline uurimine**

Jürimäe, T.; Karelson, Mati XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 39

### **Süsiniku isotoopkoostis ning bioloogiliste markerite jaotumine Balti regiooni naftades ja kivimites**

Bondar, J.; Bitjukov, Mihhail; Palu, Vilja; **Liiv, Milana**; Müürisepp, Aleksander-Mati XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 13-14

### **Süsiniktsükli tasakaalu säilitamisele suunatud pikaajalisest Eesti energeetika arengustenaariumist**

**Randla, Tiina; Vilu, Raivo** Eesti süsinikubilansi ökoloogiast ja ökonoomikast : Eesti XIII Ökoloogiapäev 3. mail 2002, Tartus 2002 / lk. 7-18 : ill

### **Synthesis and characterization of cobalt and nitrogen co-doped peat-derived carbon catalysts for oxygen reduction in**

#### acidic media

Jäger, Rutha; Teppor, Patrick; Paalo, Maarja; Härmäs, Meelis; Adamson, Anu; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Romann, Tavo; Härmäs, Riinu; Aruväli, Jaan; Kikas, Arvo; Lust, Enn *Catalysts* 2021 / art. 715 <https://doi.org/10.3390/catal11060715>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Synthesis and characterization of mechanical properties of boron–carbon-based superhard composites

**Kommel, Lembit; Omranpour Shahreza, Babak** *Carbon Letters* 2023 / p. 1311-1319 <https://doi.org/10.1007/s42823-022-00351-9>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Systems biology approach reveals that overflow metabolism of acetate in *Escheria coli* is triggered by carbon catabolite repression of acetyl-CoA synthetase

Valgepea, Kaspar; **Adamberg, Kaarel**; Nahku, Ranno; Lahtvee, Petri-Jaan; Arike, Liisa; **Vilu, Raivo** *BMC systems biology* 2010 / p. 166 <https://pubmed.ncbi.nlm.nih.gov/21122111/>

#### Zero valent iron chemistry evaluated for gas phase carbon tet dechlorination

Magrini, K.; **Preis, Sergei** *HazTECH News : The newsletter of Hazardous waste treatment technology* 1998 / No. 12, July 2, p. 92

#### ZnO/NiO heterostructures with enhanced photocatalytic activity obtained by ultrasonic spraying of a NiO shell onto ZnO nanorods

**Chen, Zengjun; Dedova, Tatjana; Spalatu, Nicolae**; Maticiu, Natalia; Rusu, Marin; **Katerski, Atanas; Oja Acik, Ilona**; Unold, Thomas; **Krunks, Malle** *Colloids and surfaces A : physicochemical and engineering aspects* 2022 / art. 129366  
<https://doi.org/10.1016/j.colsurfa.2022.129366> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Taxonomy of the Sandbian (Upper Ordovician) brachiopod *Dalmanella kegelensis* Alichova, 1953 and the new genus *Alichovella*

**Hints, Linda** *Estonian Journal of Earth Sciences* 2024 / p. 45-56 : ill [https://www.ester.ee/record=b2246661\\*est](https://www.ester.ee/record=b2246661*est)  
<https://doi.org/10.3176/earth.2024.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### Teadlased : lahendus peitub süsiniku kinnipüüdmises ja tuumajaama rajamises [Võrguväljaanne]

Tosso, Enn *pealinn.ee* 2021 ["Teadlased: lahendus peitub süsiniku kinnipüüdmises ja tuumajaama rajamises."](https://www.ester.ee/record=b4481084*est)

#### Teadus panustab ühiskonna arengusse tasa ja targu, aga järjepidevalt

Alvela, Ain *TööstusEST* 2024 / lk. 52-55 : fot., portr [https://www.ester.ee/record=b4481084\\*est](https://www.ester.ee/record=b4481084*est)

#### Terminal Ordovician stratigraphy of the Siljan district, Sweden

Ebbestad, Jan Ove R.; Högström, Anette E. S.; Frisk, Åsa M.; **Martma, Tõnu**; Kröger, Björn; **Kaljo, Dimitri; Pärnaste, Helje** *GFF* 2015 / p. 36 - 56 <https://doi.org/10.1080/11035897.2014.945620> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### The early Katian (Late Ordovician) reefs near Saku, northern Estonia and the age of the Saku Member, Vasalemma Formation

Kröger, Björn; **Hints, Linda; Lehnert, Oliver; Männik, Peep; Joachimski, Michael M.** *Estonian journal of earth sciences* 2014 / p. 271-276 : ill <https://doi.org/10.3176/earth.2014.30> [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 effect of Cr and C on the characteristics of WC-FeCr hardmetals [Electronic resource]

**Tarraste, Marek; Juhani, Kristjan; Kübarsepp, Jakob; Pirso, Jüri; Mikli, Valdek** *Euro PM2015 Congress & Exhibition : proceedings* : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

#### The first continuous $\delta^{13}\text{C}$ record across the Late Silurian Lau Event on Gotland, Sweden

Younes, Hani; Calner, Mikael; **Lehnert, Oliver** *GFF* 2017 / p. 63-69 : ill <https://doi.org/10.1080/11035897.2016.1227362> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### The role of the polar surface and porosity in adsorption of organics by fly ash carbons

**Külaots, Indrek**; Gao, Y.M.; Hurt, R.H.; Suuberg, Eric M. *American Chemical Society (ACS) preprints of Symposia*. V. 43, No. 4, 216th ACS National Meeting, Boston MA, August 22-27, 1998 1998

#### The succession of Hirnantian events based on data from Baltica : brachiopods, chitinozoans, conodonts, and carbon isotopes

**Kaljo, Dimitri; Hints, Linda; Männik, Peep; Nõlvak, Jaak** *Estonian journal of earth sciences* 2008 / 4, p. 197-218 : ill [https://artiklid.elnet.ee/record=b1076635\\*est](https://artiklid.elnet.ee/record=b1076635*est)

#### Three global carbon isotope shifts in the Silurian of Podolia (Ukraine) : stratigraphical implications

**Kaljo, Dimitri; Grytsenko, Volodymyr; Martma, Tõnu; Mõtus, Mari-Ann** *Estonian journal of earth sciences* 2007 / 4, p. 205-220 : ill

#### Two kinetic regime behaviour in carbon dioxide gasification of carbons

**Aarna, Indrek;** Suuberg, Eric M. Carbon 1999 / p. 152-155

**Upper Sandbian and lower Katian  $\delta^{13}\text{C}$  chemostratigraphy in northern Baltoscandian basin reveals gaps and spatial heterogeneity in carbon isotope composition**

**Hints, Olle; Bauert, Heikki; Martma, Tõnu; Bauert, Garmen** IGCP 591 : The Early to Middle Paleozoic Revolution : Closing Meeting, Ghent University, Belgium, 6-9 July 2016 : abstracts 2016 / p. 108

**Upper Silurian stratigraphy of Podolia revisited: Carbon isotopes, bentonites and biostratigraphy**

**Kaljo, Dimitri;** Grytsenko, Volodymyr; **Kallaste, Toivo; Kiipli, Tarmo; Martma, Tõnu** GFF 2014 / p. 136-141 : ill

<https://doi.org/10.1080/11035897.2013.862850> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Vanadium and carbon composite electrocatalyst for oxygen reduction reaction**

Zarmehri, Ehsan; Raudsepp, Ragle; **Danilson, Mati;** Šutka, A.; Kruusenbergh, Ivar Materials chemistry and physics 2023 / art. 128162, 10 p. : ill <https://doi.org/10.1016/j.matchemphys.2023.128162> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Ökoloaevu takistavad lünklik taristu ja puuduv regulatsioon**

Ots, Jaano Martin Postimees 2021 / Lk. 21 : fot <https://dea.digar.ee/article/postimees/2021/02/27/20.1>

**$\delta^{13}\text{C}$  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>

**Выгорание углерода из пористых высокозольных материалов при низких температурах**

**Ots, Arvo; Jegorov, Dimitri** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1972 / с. 277-281 [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est) <https://www.etera.ee/zoom/19201/view?page=1&p=separate&tool=info>

**Исследование выгорания углерода из высокозольных пористых материалов : автореферат ... кандидата технических наук (05.14.06)**

**Jegorov, Dimitri** 1973 [http://www.ester.ee/record=b1389319\\*est](http://www.ester.ee/record=b1389319*est)

**Исследование выгорания углерода из высокозольных пористых материалов : диссертация на соискание ученой степени кандидата технических наук**

**Jegorov, Dimitri** 1972 [http://www.ester.ee/record=b3054488\\*est](http://www.ester.ee/record=b3054488*est)

**К вопросу о структуре углеродного скелета керогена сланца-кукерсита**

**Aarna, Agu; Urov, Kaarli** XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 91-92 [https://www.ester.ee/record=b1359832\\*est](https://www.ester.ee/record=b1359832*est)

**К вопросу о температуре начала перестройки основного углеродного скелета керогена кукерсита при термическом разложении**

Kolobov, V.; Stepin, S.; Urov, Kaarli Технология органических веществ. 4 1971 / с. 85-89 : илл [https://www.ester.ee/record=b1426989\\*est](https://www.ester.ee/record=b1426989*est) <https://digikogu.taltech.ee/et/Item/6cf05bc0-20ed-4094-8c16-49aab62a9010>

**Микроморфология пироуглерода, формирующегося в индифферентных и каталитических условиях**

**Aarna, Agu;** Žirjakov, Juri Горючие Сланцы 1987 / с. 181-187 : илл [https://www.ester.ee/record=b1072685\\*est](https://www.ester.ee/record=b1072685*est)

**Усовершенствование методики элементарного анализа**

**Mihkelson, Vello** Сборник статей по химии и химической технологии. 16 1966 / с. 73-79 : илл [https://www.ester.ee/record=b2182131\\*est](https://www.ester.ee/record=b2182131*est) <https://digikogu.taltech.ee/et/Item/f8f6923a-790f-42fd-a717-a9a0681d4df5>