

**Adaptastat - a new method for optimising of bacterial growth conditions in continuous culture : interactive substrate limitation based on dissolved oxygen measurement**

**Tomson, Katrin; Barber, Jill; Vanatalu, Kalju** Journal of microbiological methods 2006 / 3, p. 380-390 : ill

<https://pubmed.ncbi.nlm.nih.gov/15992952/>

**Aerobic oxidations in asymmetric synthesis : catalytic strategies and recent developments**

**Kananovich, Dzmitry; Elek, Gabor Zoltan; Lopp, Margus; Borovkov, Victor** Frontiers in chemistry 2021 / art. 614944

<https://doi.org/10.3389/fchem.2021.614944> [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; Piirssoo, 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](#)

**Assessing sediment transport and dissolved oxygen conditions in the western part of the Gulf of Finland**

**Buschmann, Fred; Laanemets, Jaan**; Suursaar, Ülo 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 240 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Baltic Sea water tritium and stable isotopes in 2016-2017**

Jefanova, Olga; Mažeika, Jonas; Petrošius, Rimantas; Skuratovič, Žana; Paškauskas, Ričardas; **Martma, Tõnu; Liblik, Taavi**;

Ezhova, Elena Isotopes in environmental and health studies 2020 / p. 193-204 <https://doi.org/10.1080/10256016.2020.1715969> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Bifunctional oxygen electrocatalyst based on Fe, Co, and nitrogen co-doped graphene-coated alumina nanofibers for Zn-air battery air electrode**

Mooste, Marek; Ahmed, Zubair; Kapitulskis, Pavels; **Ivanov, Roman**; Treshchalov, Alexey; Piirssoo, Helle-Mai; Kikas, Arvo; Kisand, Vambola; Kukli, Kaupo; **Hussainova, Irina**; Tammeveski, Kaido Applied Surface Science 2024 / art. 160024

<https://doi.org/10.1016/j.apsusc.2024.160024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Biomass-derived graphene-like catalyst material for oxygen reduction reaction**

**Kaare, Kätlin**; Yu, Eric; Käämbre, Tanel; Volperts, Aleksandrs; Dobeļe, Galīna; Zhurinsh, Aivars; Niaura, Gediminas; Tamasauskaitė-Tamasiūnaitė, Loreta; Norkus, Eugenijus; Kruusenberg, Ivar ChemNanoMat 2021 <https://doi.org/10.1002/cnma.202000615>

**Changing subsurface oxygen conditions in the Baltic Sea basins – analyzing the drivers at different temporal scales = Pinnaaluste hapnikutingimuste muutused Läänemere alambahseinides - erinevatel ajaskaaladel mõju avaldavate tegurite analüüs**

**Stoicescu, Stella-Theresa** 2023 <https://doi.org/10.23658/taltech.48/2023> <https://digikogu.taltech.ee/et/item/f329b858-a574-485f-a399-3a962def6952> [https://www.esther.ee/record=b5638609\\*est](https://www.esther.ee/record=b5638609*est)

**Characterization of the biological processes of nutrient removal from waste water using OUR, NUR and AUR measurements**

**Salis, Indrek** Tallinna Tehnikaülikooli Toimetised 1994 / lk. 83-91: ill

**Chemical oxygen demand as a generalized kinetic parameter for ozonation processes of water solutions and wastewaters**

**Munter, Rein; Preis, Sergei; Siirde, Enno** International Conference on Ozone in Global Water Sanitation, Amsterdam, the Netherlands, October 1st to October 3rd 2002 : proceedings 2002 / p. V-4-1 - V-4-17 : ill

**Chemical-looping combustion CO<sub>2</sub> ready gas power**

Mattisson, Tobias; Adanez, Juan; Proell, Tobias; **Kuusik, Rein, keemik** Energy procedia 2009 / p. 1557-1564 : ill

<https://www.sciencedirect.com/science/article/pii/S1876610209002057>

**Chemical-looping combustion with natural gas using spray-dried NiO-based oxygen carriers**

Linderholm, C.; Lyngfelt, Anders; Beal, C.; **Trikkel, Andres; Kuusik, Rein, keemik**; Jerndal, E.; Mattisson, Tobias Carbon dioxide capture for storage in deep geological formations. 3 2009 / [8] p

**Corrigendum: Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea) [Front. Mar. Sci., 6, (2019), (54)] doi: 10.3389/fmars.2019.00054**

**Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi** Frontiers in Marine Science 2019 / Art. 233

<https://doi.org/10.3389/fmars.2019.00233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Dynamical instability of the apex oxygen by the c-bonds compression in YBaCuO**

**Klobov, Mihail; Kristoffel, Nikolai** Physica C 1998 / p. 261-264

**Dynamical instability of the chain oxygen with softened bonds in the 123-system**

Kristoffel, Nikolai; **Klopov, Mihail**; Rubin, P. Journal of low temperature physics 1996 / 314, p. 849-854

**Dynamical stability of chain oxygen with softened bonds in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub>**

Kristoffel, Nikolai; **Klopov, Mihail**; Rubin, P. International Conference : Physical and Chemistry of Molecular and Oxide Superconductors, Karlsruhe, August 2-6, 1996 : abstracts 1996

**Dynamical stability of the chain oxygen with softened bonds in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub>**

Kristoffel, Nikolai; **Klopov, Mihail**; Rubin, P. International Conference "The Role of Dimensionality in Correlated Electronic Systems", Torino, May 6-25, 1996 : abstracts 1996

**Eesti geoloog uurib õhuhapniku tekke ajastut : [TTÜ Geoloogia instituudi teadur Aivo Lepland]**

Olesk, Arko Postimees 2011 / lk. 6

**Electrocatalysis of oxygen reduction on multi-walled carbon nanotube supported copper and manganese phthalocyanines in alkaline media**

Kaare, Kätlin; Kruusenberg, Ivar; Merisalu, Maito; Matisen, Leonard; Sammelselg, Väino; Tammeveski, Kaido Journal of solid state electrochemistry 2016 / p. 921-929 : ill <https://doi.org/10.1007/s10008-015-2990-9>

**The electrochemical reduction of oxygen on noble metal free and biomass-based carbon nanomaterials = Hapniku elektrokeemiline redutseerumine väärismetalli-vabadel ja biomassil põhinevatel süsiniku nanomaterjalidel**

**Kaare, Kätlin** 2022 <https://doi.org/10.23658/taltech.48/2022> <https://digikogu.taltech.ee/et/item/0e17c0ff-8910-49a1-a7f3-8525b28b4b77>  
[https://www.esther.ee/record=b5511685\\*est](https://www.esther.ee/record=b5511685*est)

**Electrochemical Reduction of Oxygen on Platinum-Modified Carbon Materials = Elektrokeemiline hapniku redutseerumine plaatinaga modifitseeritud süsinikmaterjalidel**

**Najafli, Erkin** 2025 <https://digikogu.taltech.ee/et/item/2da3885d-1ab1-4847-8647-ab7629641de8> [https://www.esther.ee/record=b5746298\\*est](https://www.esther.ee/record=b5746298*est)  
<https://doi.org/10.23658/taltech.33/2025>

**Electrochemical reduction of oxygen on thin platinum coatings evaporated onto titanium substrate**

Tammeveski, K.; Arulepp, M.; Tenno, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 149

**Electroreduction of oxygen on carbide-derived carbon supported Pd catalysts**

Lüsi, Madis; Erikson, Heiki; Sarapuu, Ave; Merisalu, Maito; Rähn, Mihkel; Treshchalov, Alexey; Paiste, Päärn; Käärik, Maike; Leis, Jaan; Sammelselg, Väino; **Kaljuvee, Tiit**; Tammeveski, Kaido GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 57 : ill <https://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf> <https://doi.org/10.1002/celc.201902136> [Journal metrics at Scopus Article at Scopus](#) [Article at WOS](#) [Journal metrics at WOS Article at WOS](#)

**Elektrokeemiliste hapnikuandurite ja anlüsaatorite väljatöötamine keskkonnakaitse vajadusteks : magistritöö**

Jäetma, Teet 1992 [https://www.esther.ee/record=b2629917\\*est](https://www.esther.ee/record=b2629917*est)

**Eli alus. Energia ja energeetika**

Palumaa, Peep Horisont 2012 / lk. 10-19 : ill [https://artiklid.elnet.ee/record=b2467453\\*est](https://artiklid.elnet.ee/record=b2467453*est)

**Estuarine circulation reversals and related rapid changes in winter near-Bottom oxygen conditions in the Gulf of Finland, Baltic Sea**

Liblik, Taavi; Laanemets, Jaan; Raudsepp, Urmas; Elken, Jüri; Suhhova, Irina Ocean Science 2013 / p. 917 - 930  
<https://doi.org/10.5194/os-9-917-2013> [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](#)

**A first [delta]18O record from conodont apatite across the Lower Silurian Ireviken Event in Estonia**

Lechner, O.; **Männik, Peep**; Joachimski, Michael M.; Buggisch, W. The Seventh Baltic Stratigraphical Conference : 17-18 May 2008, Tallinn, Estonia : abstracts & field guide 2008 / p. 41

**Functionalization of CO<sub>2</sub>-Derived Carbon Support as a Pathway to Enhancing the Oxygen Reduction Reaction Performance of Pt Electrocatalysts**

**Najafli, Erkin**; Ratso, Sander; Foroozan, Amir; Noor, Navid; Higgins, Drew C.; Kruusenberg, Ivar Energy & fuels 2024 / p. 15601-15610 : ill <https://doi.org/10.1021/acs.energyfuels.4c02407>

**Hapniku elektrokeemiline redutseerumine titaan-alusele aurustatud õhukestel plaatinakatetel**

Tammeveski, K.; Arulepp, M.; Tenno, T. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 137

**Hapniku, vesinikperoksiidi ja superoksiidiooni elektrokeemiliste reaktsioonide uurimine õhukestel metallkatetel**

## amperomeetriste sensorite väljatöötamiseks

Tammeveski, K.; Tenno, T. XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 135-137

## Hapnikumõõtur

Mägi, Vahur Horisont 1981 / lk. 12-13 : foto [https://www.esther.ee/record=b1347160\\*est](https://www.esther.ee/record=b1347160*est) <https://www.digar.ee/arhiiv/et/perioodika/70423>

## High temperature behavior of NiO-based oxygen carriers for chemical looping combustion

Kuusik, Rein, keemik; Trikkel, Andres; Lyngfelt, Anders; Mattisson, Tobias Energy procedia 2009 / p. 3885-3892 : ill

## 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

## Holocene hydroclimate variability of the Baltic region inferred from stable isotopes, d-excess and multi-proxy data at lake Nuudsaku, Estonia (NE Europe)

Eensalu, Mariliis; Nelson, Daniel B.; Buczynska, Anna; Rach, Oliver; Luoto, Tomi P.; Poska, Anneli; Klein, Eric S.; Stansell, Nathan D. Quaternary Science Reviews 2024 / 18 p. : ill <https://doi.org/10.1016/j.quascirev.2024.108736> 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

Villemon, Karl Markus; Kaare, Kätlin; Raudsepp, Ragle; Käämbre, Tanel; Šmits, Krišjānis; Wang, Pangpang; Kuzmin, Anton V.; Šutka, Andris; Shainyan, Bagrat A.; Kruusenberg, Ivar Journal of physical chemistry C 2019 / p. 16065-16074 <https://doi.org/10.1021/acs.jpcc.9b00117>

## Implementation of TiO<sub>2</sub> oxygen adsorption capacities for the evaluation of photocatalysts' activity in pollutants' oxidation

Kritševskaja, Marina; Moiseev, Anna; Klauson, Deniss; Pronina, Natalja European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : conference program and book of abstracts 2015 / p. 148 : ill

## Implementation of TiO<sub>2</sub> oxygen adsorption capacities for the evaluation of photocatalysts' activity in pollutants' oxidation

Kritševskaja, Marina; Moiseev, Anna; Klauson, Deniss; Pronina, Natalja European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : book of proceedings 2015 / [1] p. : ill

## Influence of copper and oxygen on the optoelectronic properties of chlorine doped CdTe thin films

Valdna, Vello Thin solid films 2001 / p. 192-194 : ill

## Influence of copper and oxygen on the optoelectronic properties of chlorine doped CdTe thin films

Valdna, Vello Abstracts E-MRS-IUMRS 2000 / p. N-22

## Iron and cobalt containing electrospun carbon nanofibre-based cathode catalysts for anion exchange membrane fuel cell

Sokka, Andri; Mooste, Marek; Käärik, Maike; Gudkova, Viktoria; Kozlova, Jekaterina; Kikas, Arvo; Kisand, Vambola; Treshchalov, Alexey; Tamm, Aile; Paiste, Päärn; Aruväli, Jaan; Leis, Jaan; Krumme, Andres; Holdcroft, Steven; Cavaliere, Sara; Jaouen, Frederic; Tammeveski, Kaido International Journal of Hydrogen Energy 2021 / p. 31275-31287

<https://doi.org/10.1016/j.ijhydene.2021.07.025> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Iron triad-based bimetallic M-N-C nanomaterials as highly active bifunctional oxygen electrocatalysts

Alam, Mahboob; Ping, Kefeng; Danilson, Mati; Mikli, Valdek; Käärik, Maike; Leis, Jaan; Aruväli, Jaan; Paiste, Päärn; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Haller, Steffen; Kramm, Ulrike Ingrid; Starkov, Pavel; Kongi, Nadezda ACS Applied Energy Materials 2024 / p. 4076 - 4087 <https://doi.org/10.1021/acsaem.4c00366> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Kantav hapnikuanalüsaator "Oksimet I"

Marvet, Rein Tehnika ja Tootmine 1980 / lk. 16-17 : ill [https://www.esther.ee/record=b1073047\\*est](https://www.esther.ee/record=b1073047*est)

## 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, Gent, 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

## Lower and Middle Ordovician bio- and chemostratigraphy of the Aizpute-41 drill core, Latvia

Lieffroy, Thibaud; Ainsaar, Leho; Männik, Peep; Meidla, Tõnu; Nõlvak, Jaak; Hints, Olle XI Baltic Stratigraphical Conference :

abstracts and field guide 2024 / p. 22 [https://www.ester.ee/record=b5696260\\*est](https://www.ester.ee/record=b5696260*est) <https://files.geocollections.info/71c8154a-ede7-4a3a-9989-88de5c5848f6.pdf>

### Nickel and nitrogen-doped bifunctional ORR and HER electrocatalysts derived from CO<sub>2</sub>

Remmel, Anna-Liis; Ratso, Sander; Divitini, Giorgio; **Danilson, Mati; Mikli, Valdek; Uibu, Mai**; Aruväli, Jaan; Kruusenberg, Ivar ACS Sustainable Chemistry and Engineering 2022 / p. 134-145 <https://doi.org/10.1021/acssuschemeng.1c05250> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Operational monitoring of the surface waters of the Baltic Sea with SOOGuard system

Pärt, Siim; Atamanchuk, Daria; **Kõuts, Tarmo**; Tengberg, Anders 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 173 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

### Optoelectronic properties of chlorine and oxygen doped CdTe thin films

Valdna, Vello Solar energy materials and solar cells 2005 / p. 369-373 : ill

### Oxidation of aqueous p-Nitroaniline by pulsed corona discharge

Jayachandrabal, Balachandramohan; Tikker, Priit; Preis, Sergei Separation and Purification Technology 2022 / Art. nr. 121473 <https://doi.org/10.1016/j.seppur.2022.121473> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Oxygen electroreduction on Zinc and Dilithium phthalocyanine modified multiwalled carbon nanotubes in alkaline media

Türk, Karl-Kalev; Kaare, Kätlin; Kruusenberg, Ivar; Merisalu, Maito; Joost, Urmas; Matisen, Leonard; Sammelselg, Väino; Zagal, José H.; Tammeveski, Kaido Journal of the Electrochemical Society 2017 / p. H338-H344 : ill <https://iopscience.iop.org/article/10.1149/2.0821706jes/pdf>

### The oxygen isotope composition of earth's oldest rocks and evidence of a terrestrial magma ocean

Rumble, Douglas; Bowring, Samuel A.; Iizuka, Tsuyoshi; Komiya, Tsuyoshi I.; **Lepland, Aivo; Rosing, Minik T.**; Ueno, Yuichiro Geochemistry, Geophysics, Geosystems 2013 / p. 1929 - 1939 <https://doi.org/10.1002/ggge.20128> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Oxygen isotope studies of the largest West Siberian mammoth sites and implications for last glacial maximum climate reconstruction

Krivokorin, Ivan; Amon, Leeli; Leshchinskiy, Sergey V.; Arppe, Laura Quaternary science reviews 2024 / art. 108938, 13 p. : ill <https://doi.org/10.1016/j.quascirev.2024.108938> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Palaeoclimate inferred from δ<sub>18</sub>O and palaeobotanical indicators in freshwater tufa of Lake Äntu Sinijärvi, Estonia

Laumets, Liina; Kalm, Volli; **Poska, Anneli**; Kele, Sándor; Lasberg, Katrin; **Amon, Leeli** Journal of paleolimnology 2014 / p. 99-111 : ill <https://doi.org/10.1007/s10933-013-9758-y> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Peat as a carbon source for non-platinum group metal oxygen electrocatalysts and AEMFC cathodes

Teppor, Patrick; Jäger, Rutha; Paalo, Maarja; Adamson, Anu; Härmä, Meelis; **Volobujeva, Olga**; Aruväli, Jaan; Palm, Rasmus; Lust, Enn International Journal of Hydrogen Energy 2022 / p. 16908 - 16920 <https://doi.org/10.1016/j.ijhydene.2022.03.199> 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; Härmä, 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

### Performance of TiO<sub>2</sub>:Sm<sup>3+</sup> based optical sensor embedded in cavitated polymer films

Tikk, Taavi; Lange, Sven; Paara, Tõnis; Eltermann, Marko; **Krumme, Andres** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 82 <http://fmdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

### Reconstruction of Phanerozoic climate using carbonate clumped isotopes and implications for the oxygen isotopic composition of seawater

Thiagarajan, Nivedita; **Lepland, Aivo**; Ryb, Uri; Torsvik, Trond H.; Ainsaar, Leho; Hints, Olle; Eiler, John Proceedings of the National Academy of Sciences of the United States of America 2024 / art. e2400434121 : ill <https://doi.org/10.1073/pnas.2400434121> Journal metrics at Scopus Article at Scopus

### Simulated halocline variability in the Baltic Sea and its impact on hypoxia during 1961-2007

Väli, Germo; Meier, H. E. Markus; **Elken, Jüri** Journal of Geophysical Research: Oceans 2013 / p. 6982 - 7000 <https://doi.org/10.1002/2013JC009192> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Spatial and temporal variability of net accumulation from shallow cores from Vestfonna ice cap (Nordaustlandet, Svalbard)

Beudon, Emilie; **Martma, Tõnu** Geografiska annaler. Series A, Physical geography 2011 / p. 287-299 : ill <https://www.tandfonline.com/doi/abs/10.1111/j.1468-0459.2011.00439.x>

**Study of oxygen vacancy dynamics in Sc-doped ceria with NMR techniques = Hapniku vakantsi dünaamika uurimine Sc-lisandiga tseeriumdioksiidis TMR abil**  
Põder, Reio 2015 [https://www.esther.ee/record=b4494538\\*est](https://www.esther.ee/record=b4494538*est)

**Surface mass balance and stable oxygen isotope ratios from shallow firn cores on Fimbulisen, East Antarctica**  
Schlosser, Elisabeth; Martma, Tõnu Annals of glaciology 2012 / p. 70-78 : ill <https://kirjandus.geoloogia.info/en/reference/24196>

**Sustainable synthesis and dearomatization of oxygen-containing aromatic compounds = Hapnikku sisaldavate aromaatsete ühendite jätkusuutlik süntees ja dearomatiserimine**  
Kooli, Anni 2022 <https://doi.org/10.23658/taltech.63/2022> <https://digikogu.taltech.ee/et/item/2ea7f80b-5fa8-4120-8667-c7d3641bbcd>  
[https://www.esther.ee/record=b5524475\\*est](https://www.esther.ee/record=b5524475*est)

**Suvisest hapnikukihiitusest euroofsetes järvedes = Über die sommerliche Sauerstoffschichtung in den eutrophen Seen Riikoja, Heinrich 1929** [https://www.esther.ee/record=b1740537\\*est](https://www.esther.ee/record=b1740537*est)

**Synthesis and characterization of cobalt and nitrogen co-doped peat-derived carbon catalysts for oxygen reduction in acidic media**  
Jäger, Ruta; Teppor, Patrick; Paalo, Maarja; Härmä, Meelis; Adamson, Anu; Volobujeva, Olga; Härk, Eneli; Kochovski, Zdravko; Romann, Tavo; Härmä, 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 oxygen doped ZnTe for powder phosphor application**  
Kang, Z.T.; Menkara, H.; Wagner, B.K.; Summers, C.J.; Valdma, Vello JMR 2005 / p. 2510-2515

**Teadlane vastab : kuidas satub hapnik merede põhja? [Võrguväljaanne]**  
Soomere, Tarmo Eesti Teaduste Akadeemia : Youtube kanal 2020 / video [Teadlane vastab: kuidas satub hapnik merede põhja?](#)

**Temperatuuri tõstmine kuumutusahjudes hapniku lisandamisega põlemisõhule**  
Öpik, Ilmar Populaar- ja rakendustehniline kogumik. 1 1949 / lk. 47-48 : ill [https://www.esther.ee/record=b1435798\\*est](https://www.esther.ee/record=b1435798*est)

**The effect of oxygen, ethanol and biomass concentration on growth rate of distillers yeast : the PH-stat study**  
Kasemets, Kaja; Laht, Tiiu-Maie; Nisamedtinov, Ildar; Paalme, Toomas Yeast as a cell factory : EC Framework IV Symposium, The Netherlands, 30. Nov. - 2. Dec. 1998 : abstract book 1998 / p. 162-164

**The hydrographic conditions in the Gulf of Finland in 2014 base on extensive joint monitoring**

Myrberg, Kai; Lips, Urmas; Korneev, Oleg; Raateoja, Mika; Alenius, Pekka; Bruun, Jan-Erik 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 234 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Thermal analysis of CdTe : CdCl<sub>2</sub> : O<sub>2</sub> annealing process**

Hiie, Jaan; Valdma, Vello Seventeenth European Photovoltaic Solar Energy Conference : proceedings of the International Conference held in Munich, Germany, 22-26 October, 2001. Volume II 2002 / p. 1240-1242 : ill

**Transformations of biomass internal oxygen at varied pyrolysis conditions**

Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan 17th International Symposium on Analytical and Applied Pyrolysis : Budapest, Hungary, May 21-26, 2006 : book of abstracts 2006 / p. 139

**Transformations of biomass internal oxygen at varied pyrolysis conditions**

Luik, Hans; Johannes, Ille; Palu, Vilja; Luik, Lea; Kruusement, Kristjan Journal of analytical and applied pyrolysis 2007 / 1/2, p. 121-127

**Transient 3D simulation of <sup>18</sup>O concentration by codes MODFLOW2005 and MT3DMS in a regionalscale aquifer system : an example from the Estonian Artesian Basin**

Vallner, Leo; Ivask, Jüri; Marandi, Andres; Vaikmäe, Rein; Raidla, Valle; Raukas, Anto Estonian journal of earth sciences 2020 / p. 154–174 : ill <https://doi.org/10.3176/earth.2020.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Unlocking bifunctional electrocatalytic performance of Co-MOF-Derived catalysts for ORR and OER**

Yusibova, Gulnara; Kongi, Nadežda; Karpichev, Yevgen 244th ECS Meeting, Gothenburg, Sweden, October 8-12, 2023 2023 / p. I01E-2036 <https://ecs.confex.com/ecs/244/meetingapp.cgi/Paper/180269>

**Unlocking the porosity of Fe–N–C catalysts using hydroxyapatite as a hard template en route to eco-friendly high-performance AEMFCs**

Teppor, Patrick; Jäger, Ruta; Koppel, Miriam; Volobujeva, Olga; Palm, Rasmus; Måansson, Martin; Härk, Eneli; Kochovski, Zdravko; Aruväli, Jaan; Kooser, Kuno Journal of power sources 2024 / art. 233816, 11 p. : ill <https://doi.org/10.1016/j.jpowsour.2023.233816>

### **Unsaturated zone investigations at the two radioactive waste disposal sites**

Skuratovic, Zana; Mazeika, Jonas; Petrosius, Rimantas; Martma, Tõnu International Symposium on Isotope Hydrology: Revisiting Foundations and Exploring Frontiers, Vienna, Austria, 11 - 15 May 2015 : book of extended Synopses, poster session 2 2015 / p. 114-116 : joon

### **Upcycling Li-Ion Battery Waste into Sustainable Electrocatalysts for Zinc-Air Battery Application = Liitumioonakude jäätmete väärindamine ressursitöhusateks katalüsaatormaterjalideks tsink-õhk akude tarvis**

Pratts, Reio 2025 [https://www.esther.ee/record=b5759684\\*est](https://www.esther.ee/record=b5759684*est) <https://digikogu.taltech.ee/et/item/d902a21f-04e5-4ea7-b4cd-fe03752a55dc>  
<https://doi.org/10.23658/taltech.66/2025>

### **Wet air oxidation of oil shale = Põlevkivi oksüdeerimine vees hapniku mõjul**

Kaldas, Kristiina 2021 [https://www.esther.ee/record=b5472528\\*est](https://www.esther.ee/record=b5472528*est) <https://digikogu.taltech.ee/et/item/7b9a99ef-0748-4eef-beb7-9f0ac88f5ddb>  
<https://doi.org/10.23658/taltech.59/2021>

### **Wintertime reversals of estuarine circulation and related changes in oxygen and nutrient conditions in the Gulf of Finland**

Lips, Urmas; Laanemets, Jaan; Elken, Jüri; Lips, Inga; Liblik, Taavi; Raudsepp, Urmas; Suhhova, Irina; Buschmann, Fred; Suursaar, Ülo 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 94 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

### **Анализатор кислорода с микропроцессором**

Ots, Avo; Jäetma, Teet; Marvet, Rein Электрохимические средства анализа и охрана окружающей среды : тезисы докладов всесоюзной конференции, 25-27 июня 1989 г 1989 / с. 111-113 : илл [https://www.esther.ee/record=b1208856\\*est](https://www.esther.ee/record=b1208856*est)

### **Взаимодействие газовой среды с поверхностью полупроводниковых соединений типа A2B6**

Dambrauskas, R.; Aarna, Heiti XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 26 [https://www.esther.ee/record=b1379468\\*est](https://www.esther.ee/record=b1379468*est)

### **Влияние кислорода и муравьиной кислоты на коррозию стали в растворахmonoэтаноламина**

Ferber, Martsel; Metsik, Rein; Rohumägi, Ene Нефтяная промышленность : реферативный научно-технический сборник. Серия : Коррозия и защита в нефтегазовой промышленности 1978 / с. ?

### **Влияние кислорода на образование проводящего порошкообразного сульфида кадмия**

Hiie, Jaan; Mellikov, Enn; Buzmakova, I. Полупроводниковые материалы. 2 1972 / с. 29-37 : илл  
[https://www.esther.ee/record=b1476073\\*est](https://www.esther.ee/record=b1476073*est) <https://digikogu.taltech.ee/et/item/75bd57ba-4543-4614-ab7c-3230cb13e005>

### **Влияние кислорода на фотоэлектрические свойства сульфида кадмия в процессе высокотемпературной кристаллизации**

Buzmakova, I.; Hiie, Jaan; Mellikov, Enn XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 24 [https://www.esther.ee/record=b1379468\\*est](https://www.esther.ee/record=b1379468*est)

### **Влияние отжига на свойства порошков Cds : Cu : Cl**

Tuvike, Tiit; Palmre, Õie; Vallaste, Heikki; Päid, Imbi; Kuusmets, Eela; Petrov, P.I. Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 37-45

### **Возможности активации никелевых катодов амперометрических датчиков концентрации кислорода**

Jäetma, Teet; Marvet, Rein Двойной слой и адсорбция на твердых электродах VII : тезисы докладов всесоюзного симпозиума, 21-23 июня 1985 г 1985 / с. 400-404 <http://hdl.handle.net/10062/5550>

### **Двоякое действие кислорода в карбонизированных растворах monoэтаноламина**

Ferber, Martsel II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 г. : тезисы докладов. Часть 1 1977 / с. 77-78 [https://www.esther.ee/record=b1308827\\*est](https://www.esther.ee/record=b1308827*est)

### **Использование метода динамических характеристик при оценке качества амперометрических датчиков концентрации кислорода**

Marvet, Rein; Jäetma, Teet Электрохимические и хроматографические методы анализа, их применение в охране окружающей среды 1986 / с. 73-76 : илл <http://hdl.handle.net/10062/33859>

### **Использование химического потребления кислорода (ХПК) в качестве кинетического параметра озонирования сточных вод**

Preis, Sergei; Munter, Rein; Siirde, Enno Процессы и аппараты химической технологии. 1 1987 / с. 76-83

## **Исследование кинетики фотосорбции кислорода на сульфиде кадмия**

**Kuut, R.; Aarna, Heiti XVI** студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 29 [https://www.esther.ee/record=b1379468\\*est](https://www.esther.ee/record=b1379468*est)

## **Исследование скорости потребления кислорода активным илом в аэротехниках-смеситапях**

**Velner, Harald-Adam; Mölder, Heino; Lääne, Ain** Водоснабжение и санитарная техника : ВСТ 1973 / с. 12-14 : илл [https://www.esther.ee/record=b1447606\\*est](https://www.esther.ee/record=b1447606*est)

## **Механическая активация катодов амперометрических датчиков концентрации кислорода**

**Marvet, Rein; Jäetma, Teet** Электрохимические средства анализа и охрана окружающей среды : тезисы докладов республиканской конференции, 10-11 июня 1986 года 1986 / с. 37-38 [https://www.esther.ee/record=b1236277\\*est](https://www.esther.ee/record=b1236277*est)

## **Некоторые мероприятия для уменьшения зарастания малых рек**

**Kuik, Leopold; Rohusaar, Laas; Raia, A.** Сборник статей по санитарной технике. 9 1973 / с. 33-38 : илл [https://www.esther.ee/record=b2085063\\*est](https://www.esther.ee/record=b2085063*est) <https://digikogu.taltech.ee/et/item/9b086a77-b1d7-44ea-983f-ebf27ffe669b>

## **О влиянии кислорода воздуха при термическом разложении горючного сланца**

**Aarna, Agu** Сборник статей по химии и технологии горючего сланца. 5 1958 / с. 3-9 [https://www.esther.ee/record=b2181274\\*est](https://www.esther.ee/record=b2181274*est) <https://digikogu.taltech.ee/et/item/d4787728-120d-40c7-8299-c6997abc3167>

## **О зимнем кислородном режиме рек северной Эстонии**

**Loopmann, August; Kuik, Leopold** Материалы III Всесоюзного симпозиума по вопросам самоочищения водоемов и смешения сточных вод, Таллин, 19-21 ноября 1969 г. Ч. 1 1969 / с. 67-75 : таб [https://www.esther.ee/record=b1550756\\*est](https://www.esther.ee/record=b1550756*est)

## **О расчете кислородного баланса водотоков загрязняемых сточными водами**

**Aitsam, Ain; Velner, Harald-Adam; Paal, Leopold** Сборник статей по санитарной технике. 1 1964 / с. 109-124 : илл [https://www.esther.ee/record=b2085151\\*est](https://www.esther.ee/record=b2085151*est) <https://digikogu.taltech.ee/et/item/56972baf-c3b8-4c5d-a24d-4837b838dacc>

## **О расчете кислородного баланса водотоков, загрязняемых сточными водами**

**Velner, Harald-Adam; Aitsam, Ain; Paal, Leopold** Доклады республиканской конференции по использованию и охране водных ресурсов Эстонской ССР : (11-13 июня 1964 г.) 1965 / с. 88-90 [https://www.esther.ee/record=b1359200\\*est](https://www.esther.ee/record=b1359200*est)

## **О сульфатизации летучей золы эстонских сланцев в атмосфере SO<sub>2</sub>+воздух**

**Arto, Hendrik; Öpik, Ilmar** 1958 [https://www.esther.ee/record=b1381584\\*est](https://www.esther.ee/record=b1381584*est) <https://digikogu.taltech.ee/et/item/d94e7aac-a84e-4862-a549-2b6efbfde287>

## **Об окислении низших углеводородов кислородом окисей металлов**

**Raudsepp, Hugo; Mikkal, Maret-Elo** Сборник статей по химии и химической технологии. 9 1962 / с. 109-116 [https://www.esther.ee/record=b2181586\\*est](https://www.esther.ee/record=b2181586*est) <https://digikogu.taltech.ee/et/item/d0996552-6e32-425c-a38e-d8f33ab8faf6>

## **Об определении составляющих кислородного баланса реки на основе суточных измерений растворенного O<sub>2</sub>**

**Aitsam, Ain; Kaup, Enn** Сборник статей по санитарной технике. 7 1971 / с. 11-20 : илл [https://www.esther.ee/record=b2085078\\*est](https://www.esther.ee/record=b2085078*est) <https://digikogu.taltech.ee/et/item/53c66a62-49cf-4ac1-aac1-10a86184e25f/>

## **Окисление керогена сланца молекулярным кислородом**

**Alumäe, Tamara** 1954 [http://www.esther.ee/record=b2134984\\*est](http://www.esther.ee/record=b2134984*est)

## **Окисление керогена сланца молекулярным кислородом : автореферат ... кандидата технических наук**

**Alumäe, Tamara** 1954 [http://www.esther.ee/record=b1394897\\*est](http://www.esther.ee/record=b1394897*est)

## **Определение скорости потребления кислорода в системе "Вода - донные отложения"**

**Ennet, Peeter; Kuslap, Peep** Неустановившиеся процессы в системах водоснабжения и водоотведения 1983 / с. 23-29 [https://www.esther.ee/record=b1288813\\*est](https://www.esther.ee/record=b1288813*est) <https://digikogu.taltech.ee/et/item/8421bbec-80f9-4a7b-bbfa-deb3bcbf3a68>

## **Оптимизация процесса обогащения воды воздухом при повышенном давлении**

**Pikkov, Lui; Roosimölder, Lembit** Процессы и аппараты химической технологии. 1 1987 / с. 18-26

## **Органическая химия и технология**

**Kreen, Malle; Ebber, Arkadi; Zabellevitš, Igor; Mölder, Leevi; Mikkal, Maret-Elo; Einborn, Illi; Suurpere, Aime; Tamvelius, Hindrek; Metlitskaja, Olga; Kirjanen, E.; Tiikma, Laine; Ignat, Aare; Viikna, Anti; Nekraševitš, I.A.; Esvald, T.; Järving, V.; Tsarkov, A.V.** 1985 [https://www.esther.ee/record=b1245739\\*est](https://www.esther.ee/record=b1245739*est)

## **Переносной прибор для определения температуры и концентрации растворенного в воде кислорода**

**Marvet, Rein; Pahel, H.; Vaus, H.** Материалы IV Всесоюзного симпозиума по современным проблемам самоочищения и регулирования качества воды, Таллин, 2-5 октября 1972 г. Секция 2, Химико-биологические аспекты самоочищения рек и

водоемов 1972 / с. 58-61 : илл [https://www.esther.ee/record=b1326709\\*est](https://www.esther.ee/record=b1326709*est)

**Пространственное распределение биогенных веществ и растворенного кислорода в водах Нарвского залива**  
Säarekõnno, Jüri Tallinna Tehnikaülikooli Toimetised 1990 / lk. 22-31: ill

**Расчет кислородного режима в водотоке при некоторых элементарных эпюрах впуска сточных вод**  
Paal, Leopold Сборник статей по санитарной технике. 6 1970 / с. 49-56 [https://www.esther.ee/record=b2085097\\*est](https://www.esther.ee/record=b2085097*est)  
<https://digikogu.taltech.ee/et/item/6aaacbd0-60a7-4bdf-bbd4-fb7848aec7f9/>

**Расчет кислородного режима водоемов с учетом донных отложений при решении водохозяйственных задач : автореферат ... кандидата технических наук (05.23.04)**  
Kuslap, Peep 1984 [http://www.esther.ee/record=b1268868\\*est](http://www.esther.ee/record=b1268868*est)

**Расчет кислородного режима водоемов с учетом донных отложений при решении водохозяйственных задач : диссертация ... кандидата технических наук : 05.23.04 - водоснабжение и канализация**  
Kuslap, Peep 1984 [http://www.esther.ee/record=b2421062\\*est](http://www.esther.ee/record=b2421062*est)

**Свойства и анализ растворов кислородсодержащих органических соединений**  
1978 [https://www.esther.ee/record=b1433416\\*est](https://www.esther.ee/record=b1433416*est) <https://digikogu.taltech.ee/et/item/78c5d1b7-4a2d-4373-be63-6a2203859288>

**Свойства растворов кислородсодержащих органических соединений**  
1981 [https://www.esther.ee/record=b1317903\\*est](https://www.esther.ee/record=b1317903*est) <https://digikogu.taltech.ee/et/item/2a7f9dec-9940-4161-83ef-0340bf329d74>

**Свойства растворов кислородсодержащих органических соединений**  
1983 [https://www.esther.ee/record=b1294629\\*est](https://www.esther.ee/record=b1294629*est) <https://digikogu.taltech.ee/et/item/ee07edc5-99ca-4dfb-a435-26131930c792>

**Установка для поверки электрохимических анализаторов концентрации кислорода и таблица растворимости кислорода**

Kall, R.; Marvet, Rein; Pall, Virve; Remmel, Vööbe; Jäetma, Teet Электрохимические средства анализа и охрана окружающей среды : тезисы докладов республиканской конференции, 10-11 июня 1986 года 1986 / с. 20-24  
[https://www.esther.ee/record=b1236277\\*est](https://www.esther.ee/record=b1236277*est)

**Хемосорбция кислорода на сульфиде кадмия**

Aarna, Heiti; Kukk, Peeter-Enn Конференция по оптическим и фотоэлектрическим свойствам в полупроводниках : резюме докладов, София, 18-22 мая, 1971 года 1971 / с. [?]

**Хемосорбция кислорода на сульфиде кадмия в зависимости от стехиометрии**

Aarna, Heiti; Kukk, Peeter-Enn; Nõges, Märt; Hiie, Jaan Полупроводниковые материалы. 1 1969 / с. 77-81 : илл  
[https://www.esther.ee/record=b1346474\\*est](https://www.esther.ee/record=b1346474*est) <https://digikogu.taltech.ee/et/item/da24f532-932d-41c5-8925-a52dfa4b18c8/>

**Хемосорбция кислорода на сульфиде кадмия в зависимости от температуры**

Aarna, Heiti; Kukk, Peeter-Enn; Nõges, Märt Полупроводниковые материалы. 1 1969 / с. 67-75 : илл  
[https://www.esther.ee/record=b1346474\\*est](https://www.esther.ee/record=b1346474*est) <https://digikogu.taltech.ee/et/item/da24f532-932d-41c5-8925-a52dfa4b18c8/>

**Химическое потребление кислорода (ХПК) - основа исследования, разработки и контроля процесса озонирования сточных вод**

Preis, Sergei; Siirde, Enno Tallinna Tehnikaülikooli Toimetised 1990 / lk. 34-40: ill

**Электрохимический анализатор кислорода**

Marvet, Rein; Raudsepp, I.; Tenno, Toomas; Kuik, Leopold Материалы XXIII гидрохимического совещания : 12-15 мая 1969 г : (тезисы докладов) 1969 / с. 153-154