

A new strategy for the preparation of maleimide-functionalised gold surfaces

Zhang, Xin; Sun, Guoguang; Hovestädt, Marc; **Sõritski, Vitali**; Esser, Norbert; Volkmer, Rudolf; Janietz, Silvia; Rappich, Jörg; Hinrichs, Karsten Electrochemistry communications 2010 / 10, p. 1403-1406 : ill <https://www.sciencedirect.com/science/article/pii/S1388248110003395>

Additive manufacturing of Mo-Mo(x)S(x+1) functional structures : engineering and electrochemical applications = Lisandustehnoloogia teel valmistatud Mo-Mo(x)S(x+1) funktsionaalsed struktuurid inseneri- ja elektrokeemilistele rakendustele

Alinejadian, Navid 2022 <https://doi.org/10.23658/taltech.43/2022> <https://digikogu.taltech.ee/et/item/636a0175-ae97-4a28-a2a1-c3b75c7c1eb6> https://www.ester.ee/record=b5511559*est

Alumina/graphene/Cu hybrids as highly selective sensor for simultaneous determination of epinephrine, acetaminophen and tryptophan in human urine

Taleb, Masoud; Ivanov, Roman; Bereznev, Sergei; Kazemi, Sayed Habib; **Hussainova, Irina** Journal of electroanalytical chemistry 2018 / p. 184-192 : ill <https://doi.org/10.1016/j.jelechem.2018.06.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical applications of ionic liquids

2016 http://www.ester.ee/record=b4620895*est

Asymmetric cyclopropanation via an electro-organocatalytic cascade

Krech, Anastasiya; Laktsevich-Iskryk, Marharyta; Deil, Nora; Fokin, Mihhail; Kimm, Mariliis; Ošeka, Maksim Chemical communications 2024 / 14026-14029 <https://doi.org/10.1039/D4CC05092D> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bactericidal properties of electrochemically treated water

Vares, P.; Karki, T.; Tamm, J. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 159

Band positions and electrochemistry of CdSe(x)Te(1-x) semiconductor electrodes

Wirts, Christian; **Altosaar, Mare; Krunk, Malle; Varema, Tiit; Mellikov, Enn**; Meissner, Dieter Abstracts of the First Gerischer Symposium on Semiconductor Electrochemistry, 1999 1999 / p. 8

Recherches sur la roue phonique : premiere these; [Carbure de Calcium] : Propositions donees par la Faculte : deuxieme these

Freytmuth, Helmuth 1924 https://www.ester.ee/record=b5476840*est

Chemical composition of CuInSe₂ monograin powders for solar cell application = CuInSe₂ monoterapulbri koostise uurimine ja rakendus päikesepatareides

Kauk, Marit 2006 <https://digi.lib.ttu.ee/i/?99> https://www.ester.ee/record=b2208780*est

Cobalt- and iron-containing nitrogen-doped carbon aerogels as non-precious metal catalysts for electrochemical reduction of oxygen

Sarapuu, Ave; Samolberg, Lars; **Kreek, Kristiina; Koel, Mihkel**; Matisen, Leonard; Tammeveski, Kaido Journal of electroanalytical chemistry 2015 / p. 9-17 : ill <https://doi.org/10.1016/j.jelechem.2015.03.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cobalt-containing nitrogen-doped carbon aerogels as efficient electrocatalysts for the oxygen reduction reaction

Kreek, Kristiina; Sarapuu, Ave; Samolberg, Lars; Joost, Urmas; **Mikli, Valdek; Koel, Mihkel**; Tammeveski, Kaido ChemElectroChem 2015 / p. 2079-2088 : ill <https://doi.org/10.1002/celc.201500275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Conducting polypyrrole coating of steel in aqueous solutions

Idla, Katrin; Öpik, Andres; Forsen, Olof Proceedings of the Estonian Academy of Sciences. Chemistry 1995 / 2/3, p. 118-126: ill

Correlations between lithium local structure and electrochemistry of layered LiCo_{1-2x}Ni_xMn_xO₂ oxides: 7Li MAS NMR and EPR studies

Stoyanova, Radostina; Ivanova, Svetlana; Zhecheva, Ekaterina; **Samoson, Ago**; Simova, Svetlana; Tzvetkova, Pavleta; Barra, Anne-Laure Physical chemistry chemical physics 2014 / p. 2499-2507 : ill <https://doi.org/10.1039/c3cp54438a> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion behavior of polypyrrole coated mild steel

Reut, Jekaterina; Idla, Katrin; Öpik, Andres International Conference on Science and Technology of Synthetic Metals : ICSM'98 : July 12-18, 1998, Montpellier, France : book of abstracts 1998 / p. 157 <https://www.sciencedirect.com/science/article/pii/S0379677998010364>

Direct electrochemical sensing of ampicillin in aqueous media by a ruthenium oxide electrode decorated with a

molecularly imprinted polymer

Nguyen, Vu Bao Chau; Reut, Jekaterina; Ayankojo, Akinrinade George; Söritski, Vitali Talanta 2025 / art. 127580
<https://doi.org/10.1016/j.talanta.2025.127580>

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

Kaare, Kätlin; Kruusenberg, Ivar; Merisalu, Maido; 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>

Electrochemical and photoelectrochemical characterization of SnS photoabsorber films

Kois, Julia; Bereznev, Sergei; Maricheva, Jelena; Naidu, Revathi Materials science in semiconductor processing 2017 / p. 76-81 : ill <https://doi.org/10.1016/j.mssp.2016.10.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrochemical aziridination of internal alkenes with primary amines

Ošek, Maksim; Laudadio, Gabriele; van Leest, Nicolaas P.; Dyga, Marco; Bartolomeu, Aloisio de A.; Gooßen, Lukas J.; de Bruin, Bas; de Oliveira, Kleber T.; Noël, Timothy Chem 2021 / p. 255 - 266 <https://doi.org/10.1016/j.chempr.2020.12.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrochemical behaviour of the duplex coatings in acidic electrolyte

Talimets, Ellen; Kulu, Priit; Rudenja, Sergei; Pan, J.; Leygraf, C.; Mikli, Valdek 2nd Baltic Conference on Electrochemistry : Palanga, Lithuania, 10-12 June : extended abstracts 1999 / p. 159

Electrochemical behaviour of TiCN and TiAlN gradient coatings prepared by lateral rotating cathode arc PVD technology

Baroninš, Janis; Podgurski, Vitali; Antonov, Maksim; Bereznev, Sergei; Hussainova, Irina Engineering materials and tribology XXV 2017 / p. 414-418 <https://doi.org/10.4028/www.scientific.net/KEM.721.414> [Journal metrics at Scopus](#) [Article at Scopus](#)

Electrochemical characterisation of Co@Co(OH)₂ core-shell nanoparticles and their aggregation in solution

Xie, Ruo-Chen; Batchelor-McAuley, Christopher; Rauwel, Erwan; Rauwel, Protima; Compton, Richard G. ChemElectroChem 2020 / p. 4259 - 4268 <https://doi.org/10.1002/celec.202001199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrochemical deposition of compound semiconductor thin films

Altosaar, Mare; Mellikov, Enn; Kois, Julia; Guo, Ycping; Meissner, Dieter Electrochemical Society proceedings. Vol. 97-20, The 1997 Joint International Meeting of the Electrochemical Society and the International Society of Electrochemistry 1997 / p. 11-15

Electrochemical deposition of compound semiconductor thin films

Altosaar, Mare; Hiesgen, Renate; Guo, Ycping; Meissner, Dieter Baltic Conference on Interfacial Electrochemistry, June 14-18, 1996, Tartu : extended abstracts 1996 / p. 29-31

Electrochemical deposition of Cu, In and Se for production of CuInSe₂ thin films

Altosaar, Mare; Kois, Julia 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 16

Electrochemical deposition of CuInSe₂

Kois, Julia; Kemell, M.; Saloniemi, H.; Ritala, M.; Altosaar, Mare; Mellikov, Enn 2nd Baltic Conference on Electrochemistry : Palanga, Lithuania, 10-12 June : extended abstracts 1999 / p. 87

Electrochemical deposition of thin polypyrrole films on silicon substrates

Intelmann, Carl Matthias; Söritski, Vitali; Tsankov, Dimiter; Hinrichs, Karsten; Rappich, Jörg 5th ISE Spring Meeting : Dublin (Ireland), 01.-04.05.07 2007 / ? p

Electrochemical etching of copper indium diselenide surface

Kois, Julia; Bereznev, Sergei; Volobujeva, Olga; Mellikov, Enn Thin solid films 2006 / 15, p. 5871-5875 : ill

Electrochemical evaluation of TiN coatings

Rudenja, Sergei; Kulu, Priit; Talimets, Ellen; Mikli, Valdek; Straede, C.A.; Zwieg, T. Meeting abstracts / The Electrochemical Society and The International Society of Electrochemistry 1997 / p. 1870

Electrochemical evaluation of TiN coatings

Rudenja, Sergei; Kulu, Priit; Talimets, Ellen; Mikli, Valdek; Straede, C.A.; Zwieg, T. Proceedings of the Symposium on Interconnect and Contact Metallization 1998 / p. 108-119 : ill

Electrochemical method for phosphorus precipitation

Ennet, Peeter; Hannus, Maila; Mölder, Heino Physicochemical Methods for Water and Wastewater Treatment Proceedings of the Second International Conference, Lublin, June 1979 1980 / p. 65-71

Electrochemical methods to establish the surface roughness of solid surfaces

Lust, Enn; Jänes, A.; Miidla, P.; Sammelselg, V.; Lust, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 85

Electrochemical (redox) behaviour of microporous polyethylene-based conducting polypyrrole composites

Reut, Jekaterina; Rosova, Elena; Elyashevich, Galina K.; **Idla, Katrin**; **Öpik, Andres** Proceedings of the Estonian Academy of Sciences. Chemistry 2003 / 3, p. 108-119 : ill

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

Electrochemical sensing of clinically relevant proteins by molecularly imprinted polymer-modified electrodes

Sõritski, Vitali 11th international workshop on surface modification for chemical and biochemical sensing : program and the book of abstracts 2023 / p. 120 https://www.smcbs.pl/_ftp/book_of_abstracts/Book_of_Abstracts_SMCBS_2023.pdf

Electrochemical study of interfacial duplex TiN coatings in acidic and PBS solutions

Rudenja, Sergei; Pan, J.; Leygraf, C.; **Kulu, Priit** Abstracts of European Materials Research Society Meeting : E-MRS-99 : 1999, Strasbourg 1999 / p. B-IP36

Electrochemical synthesis of polypyrrole films containing nucleotides

Kovtun, Aleksandr; Malikova, O.; **Sõritski, Vitali**; **Reut, Jekaterina**; **Öpik, Andres** Book of abstracts of Baltic Polymer Symposium 2009 : Ventspils, Latvia, 22-25 September, 2009 2009 / ? p

Electrochemically deposited ZnO nanostructure on ZnO:V seeding layer

Lovchinov, Konstantin; Petrov, Miroslav; **Mikli, Valdek**; Dimova-Malinovska, Doriana INERA Workshop: Transition Metal Oxide Thin Films-functional Layers in "Smart windows" and Water Splitting Devices. Parallel session of the 18th International School on Condensed Matter Physics 4–6 September 2014, Varna, Bulgaria 2014 / art. 012020, 4 p. : ill <https://doi.org/10.1088/1742-6596/559/1/012020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Electrodeposition of adherent copper film on unmodified tungsten

Wang, Chen; Lei, Jipu; Bjelkevig, Cameron; **Rudenja, Sergei**; Magtoto, Noel; Kelber, Jeff Thin solid films 2003 / 1, p. 72-79 : ill <https://www.sciencedirect.com/science/article/pii/S0040609003012392>

Electrodeposition of Cu-In-Ga thin metal films for Cu(In, Ga)Se₂ based solar cells

Kois, Julia; Ganchev, M.; Kaelin, M.; **Bereznev, Sergei**; Tzvetkova, E.; **Volobujeva, Olga**; Stratieva, N.; Tiwari, A.N. Thin solid films 2008 / 18, p. 5948-5952 : ill <https://www.sciencedirect.com/science/article/pii/S0040609007017415>

Electroless nickel plating model for plated-through-hole board manufacturing

Tenno, Robert; Kantola, K.; **Tenno, Ander** Journal of electronic materials 2006 / 10, p. 1825-1836 : ill <https://link.springer.com/content/pdf/10.1007/s11664-006-0164-3.pdf>

Electrosynthesized conducting polymers, polypyrrole and poly(3,4-ethylenedioxythiophene), for molecular imprinting = Molekulaarselt jäljendatud süsteemid elektrokeemiliselt sünteesitud elektrit juhtivate polümeeride - polüüpürrooli ja polü(3,4-etiüleendioksütiofeeni baasil

Menaker, Anna 2009 https://www.ester.ee/record=b2491805*est

Electrosynthesized molecularly imprinted polymer thin films for antibiotics selective recognition

Tretjakov, Aleksei; Zhang, Y.; **Reut, Jekaterina**; **Sõritski, Vitali**; **Öpik, Andres** Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 115

Elektrofüüsikalised ja elektrokeemilised töötlemismeetodid

Reedik, Vello Masinaehitaja käsiraamat. 2. kd 1971 / lk. 759-769 https://www.ester.ee/record=b1336422*est

Elektrokeemia : [konspekt]

Dreyer, Friedrich 1930 https://www.ester.ee/record=b1690502*est

Elektrokeemilised CuInS₂/polüüpürrool fotovolt struktuurid

Bereznev, Sergei; Konovalov, Igor; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 19

Elektrokeemilised CuInSe₂/polüüpürrool struktuurid päikeseenergeetikale

Bereznev, Sergei; **Kois, Julia**; **Mellikov, Enn**; **Öpik, Andres**; Meissner, Dieter XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 16-17

Elektrokeemilised meetodid tahkete pindade kareduse määramiseks

Lust, Enn; Jänes, A.; Miidla, P.; Sammelselg, V.; Lust, K. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 76

Elektrokeemiliselt töödeldud vee bakteritsiidsed omadused

Vares, P.; Karki, T.; Tamm, J. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 151

Elektrokeemiliste hapnikuandurite ja anlüsaatorite väljatöötamine keskkonnakaitse vajadusteks : magistritöö

Jäetna, Teet 1992 https://www.ester.ee/record=b2629917*est

Fosforin rinnakkaissaostus sähkökemiallisella menetelmällä

Ennet, Peeter Vesitalous 1979 / lk. 6-8 : ill https://www.ester.ee/record=b1202641*est

Fused hybrid linkers for metal–organic framework-derived bifunctional oxygen electrocatalysts

Ping, Kefeng; Braschinsky, Alan; Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo; Aruväli, Jaan; Paiste, Pääm; Vlassov, Sergei; Kook, Mati; Rähn, Mihkel; Sammelselg, Väino; Tammeveski, Kaido; Kongi, Nadežda; Starkov, Pavel ACS Applied Energy Materials 2020 / p. 152–157 : ill <https://doi.org/10.1021/acsaem.9b02039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fused hybrid linkers for metal–organic frameworks-derived bifunctional oxygen electrocatalysts : [version 1.0] [Online resource]

Ping, Kefeng; Braschinsky, Alan; Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo; Starkov, Pavel ChemRxiv 2019 / 10 p., S16 p. : ill <https://doi.org/10.26434/chemrxiv.7687358>

Fused hybrid linkers for metal–organic frameworks-derived bifunctional oxygen electrocatalysts : [version 2.0] [Online resource]

Ping, Kefeng; Braschinsky, Alan; Alam, Mahboob; Bhadoria, Rohit; Mikli, Valdek; Mere, Arvo; Starkov, Pavel ChemRxiv 2019 / 10 p., S17 p. : ill <https://doi.org/10.26434/chemrxiv.7687358.v2>

Galvaanielekter Tallinnas aastal 1801

Raukas, Maie Horisont 1995 / 5, lk. 46

Going beyond the borders : pyrrolo[3,2-b]pyrroles with deep red emission

Tasior, Mariusz; Kowalczyk, Pawel; Przybyl, Marta; Czichy, Malgorzata; Janasik, Patryk; Bousquet, Manon H.E.; Łapkowski, Mieczysław; Rammo, Matt; Rebane, Aleksander; Jacquemin, Denis; Gryko, Daniel T. Chemical science 2021 / p. 15935–15946 : ill <https://doi.org/10.1039/D1SC05007A>

Graphene-ceramic hybrid nanofibers for ultrasensitive electrochemical determination of ascorbic acid

Taleb, Masoud; Ivanov, Roman; Bereznev, Sergei; Kazemi, Sayed Habib; Hussainova, Irina Microchimica acta 2017 / p. 897-905 : ill <https://doi.org/10.1007/s00604-017-2085-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 amperomeetriliste sensorite väljatöötamiseks

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

HFIP-promoted nucleophilic ring opening of nonactivated aziridines under continuous flow conditions

Laktsevich-Iskryk, Marharyta; Krech, Anastasiya; Fokin, Mihhail 13th Paul Walden Symposium : Program and abstracts 2023 / p. 47 https://walden.osi.lv/wp-content/uploads/2023/09/Abstract_book_Walden_2023.pdf

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](#)

A hybrid organic linker forms an efficient non-supported non-precious-metal-based metal–organic coordination network porous material for oxygen reduction reaction

Ping, Kefeng; Bhadoria, Rohit; Kongi, Nadežda; Starkov, Pavel; Tammeveski, Kaido Abstracts of Papers of the American Chemical Society 2018 / abst. CATL 202 <https://www.acs.org/content/dam/acsorg/meetings/national-meetings/fall-2018/fall-2018-program-book.pdf>

Inclusion of additional coordination sphere into cluster-model redox potential calculations

Uudsemaa, Merle; Tamm, Toomas AIP conference proceedings 2007 / 2, p. 495-499 <https://ui.adsabs.harvard.edu/abs/2007AIPC..963..495U/abstract>

Influence of electrolyte scaffold microstructure and loading of miec material on the electrochemical performance of r-soc

fuel electrode [Online resource]

Maide, Martin; Lillmaa, Kadi; Salvan, Laur Kristjan; **Uibu, Mai**; Lust, Enn; Nurk, Gunnar Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fmtdk.ut.ee/teesid-2018/>

Influence of graphite pore forming agents on the structural and electrochemical properties of porous Ni-CGO anode

Tamm, Kadi; **Trikkel, Andres** Journal of the electrochemical society 2012 / p. F849-F857 : ill
<https://iopscience.iop.org/article/10.1149/2.067212jes>

In-situ characterization of the polypyrrole films by EQCM and CER techniques

Sõritski, Vitali; Õpik, Andres; Talo, A.; Forsen, Olof Synthetic metals 2001 / 1/3, p. 309-310 : ill
https://www.researchgate.net/publication/202179222_In-situ_characterization_of_the_polypyrrole_films_by_EQCM_and_CER_techniques

Maleimide functionalized silicon surfaces for biosensing investigated by in-situ IRSE and EQCM

Kanyong, Prosper; Sun, Guoguang; Rösicke, Felix; **Sõritski, Vitali**; Panne, Ulrich; Hinrichs, Karsten; Rappich, Jörg Electrochemistry communications 2015 / p. 103-107 : ill <https://doi.org/10.1016/j.elecom.2014.12.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MIP-based electrochemical sensors detecting antibiotics and fungicides as emerging contaminants in aqueous environments

Nguyen, Vu Bao Chau; Ayankojo, Akinrinade George; Reut, Jekaterina; Sõritski, Vitali 11th international workshop on surface modification for chemical and biochemical sensing : program and the book of abstracts 2023 / p. 78

Molecularly Imprinted Polymer-modified Electrodes for Electrochemical Sensing of Emerging Aqueous Pollutants = Molekulaarselt jäljendatud polümeeriga modifitseeritud elektroodid esilekerkivate veesaasteainete elektrokeemiliseks tuvastamiseks

Nguyen, Vu Bao Chau 2025 https://www.ester.ee/record=b5758187*est <https://digikogu.taltech.ee/et/Item/0bef1a7a-5369-4053-9eab-af6bd9bcb11b> <https://doi.org/10.23658/taltech.64/2025>

Molecularly imprinted poly(meta-phenylenediamine) based QCM sensor for detecting Amoxicillin

Ayankojo, Akinrinade George; Reut, Jekaterina; Boroznjak, Roman; Õpik, Andres; Sõritski, Vitali Sensors and actuators B : chemical 2018 / p. 766-774 : ill <https://doi.org/10.1016/j.snb.2017.11.194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nickel and nitrogen-doped bifunctional ORR and HER electrocatalysts derived from CO₂

Rommel, 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](#)

Non-standard electrode placement strategies for ECG signal acquisition

Metshein, Margus; Krivošei, Andrei; Abdullayev, Anar; Annus, Paul; Märten, Olev Sensors 2022 / art. 9351
<https://doi.org/10.3390/s22239351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

One-step electrochemical deposition of CuInSe₂ absorber layers

Kois, Julia; Volobujeva, Olga; Bereznev, Sergei Physica status solidi (c) 2008 / 11, p. 3441-3444 : ill

Optimizing post-treatment strategies for enhanced oxygen reduction/evolution activity in Co–N–C electrocatalyst

Yusibova, Gulnara; Ping, Kefeng; Käärik, Maike; Leis, Jaan; Aruväli, Jaan; Šmits, Krišjānis; Käämbre, Tanel; Kisand, Vambola; **Karpichev, Yevgen**; Tammeveski, Kaio; Kongi, Nadezda International Journal of Hydrogen Energy 2024 / p. 398-406
<https://doi.org/10.1016/j.ijhydene.2024.07.388> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxygen electroreduction on platinum nanoparticles deposited onto D-glucose derived carbon

Taleb, Masoud; Nerut, Jaak; Tooming, Tauno; Thomberg, Thomas; Jänes, Alar; Lust, Enn Journal of the Electrochemical Society 2015 / p. F651 - F660 <https://doi.org/10.1149/2.0231507jes> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Polüüpürrooliga modifitseeritud elektrit juhtiva mikropoorse polüetüleenilise elektrodeemiliseks omadused

Reut, Jekaterina; Rosova, E.Yu.; Elyashevich, Galina K.; **Idla, Katrin; Õpik, Andres** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 114-115

Polyenzyme electrochemical analytical systems

Laurinavicius, V.; Kurtinaitiene, B.; Meshkys, R.; Cicieniene, R.; Marcinkeviciene, L. Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 66

Polypyrrole coatings on conducting and insulating substrates

Reut, Jekaterina 2004 https://www.ester.ee/record=b1884787*est

Polypyrrole-polyparaphenylene blend films electrochemically deposited onto light transparent substrates

Golovtsov, Igor; Öpik, Andres International Conference on Science and Technology of Synthetic Metals : book of abstracts 2002 / p. 32

Preparation and characterization of multilayer system consisting of the soluble and electrochemically synthesized polypyrrole films

Reut, Jekaterina; Reut, N.; Öpik, Andres International Conference on Science and Technology of Synthetic Metals : 15th to 21st of July 2000, Gastein, Austria : book of abstracts 2000 / p. 5-SunA109
https://www.researchgate.net/publication/243345790_Preparation_and_characterization_of_multilayer_Systems_consisting_of_the_soluble_and_electrochemically_synthesized_polypyrrole_films

Preparation and investigation of molecularly imprinted st[r]uctures based on electrosynthesized polymers

Menaker, Anna; Sõritski, Vitali; Reut, Jekaterina; Öpik, Andres Baltic Polymer Symposium 2007 : Druskininkai, Lithuania, September 19-21, 2007 : programme and book of abstracts 2007 / p. 30

Päikeseelemendid H₂S atmosfääris kuumutamise ja modifitseeritud elektrokeemiliselt sadestatud CuInSe₂ kilede baasil
Kois, Julia; Bereznev, Sergei; Mellikov, Enn; Öpik, Andres XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 59

Quantifying graphitic edge exposure in graphene-based materials and its role in oxygen reduction reactions

Stamatin, Serban; Hussainova, Irina; Ivanov, Roman; Colavita, Paula E. ASC catalysis 2016 / p. 5215-5221 : ill
<https://doi.org/10.1021/acscatal.6b00945> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ruthenium oxide electrode integrated with molecularly imprinted polymer for direct electrochemical sensing of a neurotrophic factor protein

Ayankojo, Akinrinade George; Reut, Jekaterina; Boroznjak, Roman; Sõritski, Vitali Sensors and Actuators B: Chemical 2025 / art. 137301 <https://doi.org/10.1016/j.snb.2025.137301>

Seedless electrodeposition of Cu on unmodified tungsten

Rudenja, Sergei; Wang, C. Electrochemical and solid state letters 2002 / 9, p. 27-30
<https://iopscience.iop.org/article/10.1149/1.1498015/pdf>

Sensing small- and macromolecular targets using molecularly imprinted polymers interfaced with saw technology

Sõritski, Vitali; Tretjakov, Aleksei; Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres MIP2016 : the 9th International Conference on Molecular Imprinting : June 26-30, 2016, Elite Hotel Ideon, Lund, Sweden 2016 / p. [74]

Spent Li-Ion battery graphite turned into valuable and active catalyst for electrochemical oxygen reduction

Liivand, Kerli; Kazemi, Maryam; Walke, Peter; Mikli, Valdek; Macdonald, Digby D.; Kruusenberg, Ivar ChemSusChem 2021 / p. 1103-1111 <https://doi.org/10.1002/cssc.202002742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of synthesis and redox switching of polypyrrole and poly(3,4-ethylenedioxythiophene) by using in-situ techniques

Sõritski, Vitali 2004 https://www.ester.ee/record=b1994290*est

Surface degreasing and activation as important factors for Cu electroplating on ITO substrates

Altosaar, Mare; Varema, Tiit; Mellikov, Enn Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 233-235 : ill

Sustainable synthesis and dearomatization of oxygen-containing aromatic compounds = Hapnikku sisaldavate aromaatsete ühendite jätkusuutlik süntees ja dearomatiseerimine

Kooli, Anni 2022 <https://doi.org/10.23658/taltech.63/2022> <https://digikogu.taltech.ee/et/Item/2ea7f80b-5fa8-4120-8667-c7d3641bbdcd>
https://www.ester.ee/record=b5524475*est

Synthesis and characterization of inherently conducting polymers by using scanning electrochemical microscopy and electrochemical quartz crystal microbalance

Sõritski, Vitali; Gyurcsanyi, Robert E.; Öpik, Andres; Toth, K. The International Conference on the Science and Technology of Synthetic Metals (ICSM) 2004 : University of Wollongong, Australia, 28 June to 2 July : book of abstracts 2004 / p. 212
<https://www.sciencedirect.com/science/article/abs/pii/S0379677905002353>

Synthesis and characterization of inherently conducting polymers by using scanning electrochemical microscopy and electrochemical quartz crystal microbalance

Sõritski, Vitali; Gyurcsanyi, Robert E.; Öpik, Andres; Toth, K. Synthetic metals 2005 / 1/3, p. 133-136
<https://www.sciencedirect.com/science/article/pii/S0379677905002353>

Synthesis and redox behavior of PEDOT/PSS and PPy/DBS structures

Sõritski, Vitali; Idla, Katrin; Öpik, Andres Synthetic metals 2004 / p. 235-239 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0379677904001407>

Synthesis, in silico and in vitro evaluation of novel oxazolopyrimidines as promising anticancer agents

Vellihina, Yevheniia; Scattolin, Thomas; **Bondar, Denys** Helvetica chimica acta 2020 / art. e2000169, 14 p. : ill

<https://doi.org/10.1002/hlca.202000169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ZnO nanorods grown electrochemically on different metal oxide underlays

Gromöko, Inga; **Dedova, Tatjana**; **Krunks, Malle**; **Sõritski, Vitali**; **Mere, Arvo**; **Mikli, Valdek**; **Unt, Tarmo**; **Oja Acik, Ilona** IOP

conference series : materials science and engineering 2015 / p. 1-5 : ill <https://doi.org/10.1088/1757-899X/77/1/012012> [Conference](#)

[proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Telescoped synthesis of vicinal diamines via ring opening of electrochemically generated aziridines in flow

Laktsevich-Iskryk, Marharyta; **Ošek, Maksim** Balticum Organicum Synthetium (BOS 2024) : Book of Abstracts 2024 / p. 82

https://boschem.eu/bos2024/wp-content/uploads/sites/5/2024/07/BOS2024_Abstract-Book.pdf

Telescoped synthesis of vicinal diamines via ring-opening of electrochemically generated aziridines in flow

Laktsevich-Iskryk, Marharyta; **Krech, Anastasiya**; **Fokin, Mihhail**; **Kimm, Mariliis**; **Jarg, Tatsiana**; **Noël, Timothy**; **Ošek, Maksim** Journal of flow chemistry 2024 / p. 139-147 <https://doi.org/10.1007/s41981-023-00296-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

Two-dimensional CuIn_{1-x}Ga_xSe₂ nano-flakes by pulse electrodeposition for photovoltaic applications

Mandati, Sreekanth; **Dey, Suhash R.**; **Joshi, Shrikant V.**; **Sarada, Bulusu V.** Solar energy 2019 / p. 396-404

<https://doi.org/10.1016/j.solener.2019.02.022>

Ultra-sensitive voltammetric simultaneous determination of dopamine, uric acid and ascorbic acid based on a graphene-coated alumina electrode

Taleb, Masoud; **Ivanov, Roman**; **Bereznev, Sergei**; **Kazemi, Sayed Habib**; **Hussainova, Irina** Microchimica acta 2017 / p. 4603-4610 : ill <https://doi.org/10.1007/s00604-017-2510-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

Visible light-assisted instability of kesterite Cu₂ZnSnS₄ : what are the implications?

Kois, Julia; **Polivtseva, Svetlana**; **Mamedov, Damir**; **Samiepour, Ali**; **Karazhanov, S. Zh.** Solar energy materials and solar cells

2020 / art. 110384, 10 p <https://doi.org/10.1016/j.solmat.2019.110384> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

Õhukeste CuInSe₂ kilede saamine elektrokeemiliselt sadestatud elementidest

Altosaar, Mare; **Kois, Julia** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 16

γ and α-(Fe, Ni) phase characterization using image processing and effect of phase formation on the P/M Fe(100-x)Ni(x) alloys properties

Singh, Neera; **Pandey, Vaibhav**; **Srivastava, Gargi**; **Banerjee, Supriya**; **Parkash, Om**; **Kumar, Devendra** Materials chemistry and

physics 2020 / art. 122794 <https://doi.org/10.1016/j.matchemphys.2020.122794> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[Article at WOS](#)

Влияние дикарбоновых кислот на коррозионные и электрохимические свойства некоторых конструкционных материалов в азотной кислоте

Merendi, Jüri; **Kallast, Vambola**; **Metsik, Rein** Горючие сланцы : информационная серия I 1981 / с. 28-33 : ил., табл.

https://www.ester.ee/record=b1889669*est

Влияние легирования хрома лантанидами (La, Y) на коррозионное и электрохимическое поведение его в разбавленных растворах азотной кислоты

Merendi, Jüri Тезисы Межвузовской конференции по коррозии и защите металлов 1971 / с. 43

https://www.ester.ee/record=b1409081*est

Гетероструктура CdS/TiO₂ как фотоанод электрохимической ячейки

Erm, Ants Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 66-83

Закономерность структуры электрического двойного слоя между металлом и раствором сильного электролита

Plakk, Paul; **Plakk, Peeter**; **Plakk, T.** Измерение и моделирование в электронике 1987 / с. 132-147

Исследование коррозионных и электрохимических свойств некоторых конструкционных материалов и хрома в растворах азотной кислоты : автореферат ... кандидата технических наук

Merendi, Jüri 1982 https://www.ester.ee/record=b1547844*est

Исследование электрохимического поведения хрома в кислых азотно-сульфатных растворах при катодной поляризации

Merendi, Jüri; **Kallast, Vambola**; **Lohonyai, Nándor**; **Hencsei, P.**; **Schächter, Klára** Periodica polytechnica. Chemical engineering =

Химия 1977 / с. 277-282 https://www.ester.ee/record=b1198772*est

Металлографическое исследование арсенида галлия с помощью электрохимического травления
Meiler, Boriss Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 13-21

О возможности использования электроосмоса для уплотнения сланцевых шламов
Klimjonova, T.P. Проблемы разработки месторождений полезных ископаемых Эстонской ССР 1986 / с. 65-68

О роли электрохимических реакций при металлическом остеосинтезе переломов костей человека
Sepo, Arnold; Kallast, Vambola; Juss, T. Лечение переломов костей и ожогов : материалы симпозиума "Опыт клиники технической остеологии по лечению переломов костей и ожогов" 1979 / с. 69-117 https://www.ester.ee/record=b1269833*est

Об измерениях электрического двойного слоя при твердых металлических электродах
Plakk, Paul; Plakk, Peeter Проблемы моделирования и измерения в электронике 1986 / с. 27-44

Сравнение эффективности электрохимических методов анализа анионов в объектах окружающей среды
Hödrejäär, Helvi Электрохимические и хроматографические методы анализа, их применение в охране окружающей среды 1986 / с. 117-120 <https://dspace.ut.ee/handle/10062/33859>

Установка для исследования электрохимического и коррозионного поведения металлов при повышенных температурах
Merendi, Jüri; Kallast, Vambola; Metsik, Rein Горючие сланцы : информационная серия I 1982 / с. 17-21 : ил, табл https://www.ester.ee/record=b1889669*est

Эквивалентная схема электрического двойного слоя и его электротехнически непротиворечивая модель
Plakk, Paul; Plakk, Peeter; Plakk, T. Проблемы моделирования и измерения в электронике 1986 / с. 45-55

Электродиффузионные потенциалы в гетерогенных ферментативно активных системах. Сообщ. 1, Амидазы в мембранных системах
Kalbin, Georgi Модификация и кинетика гидролитических ферментов 1985 / с. 45-54

Электрохимическая очистка хлорат-содержащих сточных вод
Kamenev, Sven; Preis, Sergei; Siirde, Enno Химия и технология воды : научно-технический ежемесячный журнал 1991 / с. 166-168: ил

Электрохимические исследования гидроабразивного износа сталей
Sokolov, A.F. Трение и износ в машинах : сборник статей. 11 1981 / с. 43-48 : илл https://www.ester.ee/record=b2191149*est
<https://digikogu.taltech.ee/et/Item/983b9430-cae0-4a0d-a83d-ddb843ffcaee>

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

Электрохимический метод симультанного осаждения фосфора
Ennet, Peeter; Mölder, Heino Прогнозирование и регулирование качества воды и водоемов и исследование методов очистки природных и сточных вод 1978 / с. 13-18 : илл https://www.ester.ee/record=b1499379*est <https://digikogu.taltech.ee/et/Item/0f942b52-ffe6-48f6-bb86-0ab5235b554c>

Электрохимическое исследование системы магний-цинк : автореферат ... кандидата технических наук (05.16.03)
Pedokand, Tõivu 1976 https://www.ester.ee/record=b2339055*est

Электрохимическое поведение углеродистой стали в растворах моноэтаноламина
Ferber, Martsel Тезисы докладов совещания молодых специалистов и ученых по вопросам добычи и переработки горючих сланцев 1974 / с. 18-19