

Acquisition of O₂ adsorption isotherms as thorough characterization of nanocrystalline titanium dioxide photocatalysts

Moiseev, Anna; **Kritševskaja, Marina; Preis, Sergei** Surfaces and interfaces 2019 / p. 44-49 : ill

<https://doi.org/10.1016/j.surfin.2018.11.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adsorbeeritud mootorikütuse hapnikurikaste lisandite fotokatalüütiline oksüdatsioon õhus

Preis, Sergei; Falconer, J. XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 101-102

Advanced chemical oxidation with pre-coagulation for treatment of paint manufacturing wastewater

Kattel, Eneliis; Viisimaa, Marika; Klauson, Deniss; Trapido, Marina; Dulova, Niina Proceedings of the International Conference on Advances In Applied Science and Environmental Engineering - ASEE 2014 2014 / p. 38-43 : ill

Advanced oxidation combined with biodegradation in situ remediation of creosote oil contaminated soil

Palmroth, Marja R.T.; Aunola, Tuomo; **Goi, Anna** Proceedings of the Second European Bioremediation Conference : Chania, Crete, 2003 2003 / p. 63-66

Advanced oxidation of airborne m-xylene in combination of pulsed corona discharge and post-plasma photocatalysis

Altof, Kristen; Krichevskaja, Marina; Preis, Sergei; Bolobajev, Juri Journal of electrostatics 2025 / art. 104104

<https://doi.org/10.1016/j.elstat.2025.104184>

Advanced oxidation of dexamethasone by activated peroxo compounds in water matrices : A comparative study

Onga, Liina; **Dulova, Niina; Kattel-Salusoo, Eneliis** Water 2025 / art. 2303 <https://doi.org/10.3390/w17152303>

<http://www.mdpi.com/2073-4441/17/15/2303>

Advanced oxidation processes - a study on the application for soil remediation

Trapido, Marina; Goi, Anna; Kulik, Niina; Tuhkanen, Tuula Proceedings Seventh Finnish Conference of Environmental Sciences "Science for Sustainability" : Jyväskylä, May 12-13, 2005 2005 / p. 15-18

Advanced oxidation processes - a study on the application for soil remediation

Trapido, Marina; Goi, Anna; Kulik, Niina e-proceedings of the 1st European Conference on Environmental Applications of AOP : Crete, Chania, September 7-9, 2006 2006 / p. 253-260

Advanced oxidation processes - current status and prospects

Munter, Rein Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 2, p. 59-80

Advanced oxidation processes : how much they cost?

Munter, Rein; Trapido, Marina; Veressinina, Jelena; Goi, Anna e-proceedings of the 1st European Conference on Environmental Applications of AOP : Crete, Chania, September 7-9, 2006 2006 / p. 284-292

Advanced oxidation processes against industrial phenolic wastewaters

Kallas, Juha; Kamenev, Sven International Workshop on Pollution Prevention and Waste Minimization, 23-24 May, 1995, Lappeenranta, Finland 1995 / p. 50-51

Advanced oxidation processes against phenolic compounds in wastewater treatment

Preis, Sergei; Kamenev, Sven; Kallas, Juha; Munter, Rein Proceedings of International Ozone Association Regional Conference, Zurich, 31 August-2 September 1994 1994 / p. 187-204: ill

Advanced oxidation processes against phenolic compounds in wastewater treatment

Preis, Sergei; Kamenev, Sven; Kallas, Juha; Munter, Rein Ozone : science & engineering 1995 / 4, p. 399-418: ill

Advanced oxidation processes and ozone treatment of anthracene in aqueous solutions

Munter, Rein; Trapido, Marina; Veressinina, Jelena Eesti Teaduste Akadeemia Toimetised. Keemia 1994 / 2, lk. 61-67: ill

Advanced oxidation processes (AOP) - a water treatment technology of the 21-st century

Munter, Rein International Conference Environmental Science and Technology : ESAT'96, May 14-17, Kaunas : proceedings 1996 / p. 96-100

Advanced oxidation processes (AOPs) - a water treatment technology for the 21-st Century

Munter, Rein "Environmental Impact and Water Management in a Catchment Area Perspective" : 24-26 September, 2001, Tallinn, Estonia : proceedings of the Symposium dedicated to the 40th Anniversary of Institute of Environmental Engineering at Tallinn Technical University 2001 / p. 212-222

Advanced oxidation processes (AOPs) : water treatment technology for the Twenty-first Century

Munter, Rein; Preis, Sergei; Kallas, Juha; Trapido, Marina; Veressinina, Jelena Kemia-kemi 2001 / 5, p. 354-362 : ill

Advanced oxidation processes as an opportunity for purification of waste water from Estonian oil shale industry
Trapido, Marina; Munter, Rein; Veressinina, Jelena Regional Conference on Ozone Generation and Application to Water and Waste Water Treatment : ECWATECH-98, Moscow, Russia, 26-28 May, 1998 : proceedings 1998 / p. 519-534: ill

Advanced oxidation processes for degradation of 2,4-dichlo- and 2,4-dimethylphenol
Trapido, Marina; Veressinina, Jelena; Munter, Rein Journal of environmental engineering 1998 / 8, p. 690-694: ill

Advanced oxidation processes for phenolic wastewater posttreatment
Terentjeva, Jelena; Kamenev, Sven; Kallas, Juha Kemia 94 : Finnish Chemical Congress and Exhibition, 8.-10.11.1994 : abstracts 1994 / p. 35-36

Advanced oxidation processes for soil remediation
Goi, Anna; Trapido, Marina International Conference EcoBalt'2002, Riga, June 7-8, 2002 2002 / p. 18-19

Advanced oxidation processes for the degradation and detoxification of 4-nitrophenol
Trapido, Marina; Kallas, Juha Environmental technology 2000 / p. 799-808

Advanced oxidation processes for the degradation of 2,4,6-trinitrophenol - what is the best solution?
Trapido, Marina; Goi, Anna Proceedings of the 15th Ozone World Congress : London, United Kingdom, 11th - 15th September 2001 : oral presentations. Vol. II 2001 / p. 245-255 : ill

Advanced oxidation processes for the treatment of water and wastewater contaminated with refractory organic compounds = Süvaoksüdatsiooni protsessid raskesti lagundatavate orgaaniliste ainetega saastatud vee ja heitvee töötlemiseks
Dulov, Aleksandr 2012 <https://digi.lib.ttu.ee/i/?735>

Advanced oxidation processes for water purification and soil remediation
Goi, Anna 2005 <https://digi.lib.ttu.ee/i/?6> https://www.ester.ee/record=b2045331*est

Advanced oxidation processes of xlenols in aqueous solutions
Trapido, Marina; Veressinina, Jelena; Munter, Rein Proceedings of the Estonian Academy of Sciences. Chemistry 1995 / 1, p. 21-31: ill

Advanced oxidation technologies : sustainable solution for removal of emerging contaminants from water
Bolobajev, Juri; Trapido, Marina; Epold, Irina; Dulova, Niina TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Advanced oxidation, an application for wastewater treatment and soil remediation
Trapido, Marina; Goi, Anna; Munter, Rein Environmental science and pollution research - international 2002 / Special issue 3, 8th FECS Conference on Chemistry and the Environment : Chemistry for a Sustaining World, Athens, Greece, 31 August to 4 September 2002, p. 85-86 : ill

Aeration, oxidation and filtration for natural pollutants removal from groundwater
Munter, Rein; Trapido, Marina; Veressinina, Jelena; Lumiste, Liie E-proceedings of International Conference of IOA-EA3G : Ozone and Related Oxidants for Emerging Pollutants of Concern to the Water and the Environment : April 28-30, 2010, Geneva, Switzerland 2010 / p. 5.5-1 - 5.5-11

Aerobic bio-oxidation combined with ozonation for recalcitrant wastewater treatment
Kamenev, Inna; Viiraja, Andres; Kallas, Juha Third International Conference on Oxidation Technologies for Water and Wastewater Treatment - Special Topic: AOP's for Recycling and Reuse : 18-22 May 2003, Goslar, Germany 2003 / p. 952-957

Aerobic bio-oxidation combined with ozonation in recalcitrant wastewater treatment
Kamenev, Inna; Pikkov, Lui; Kallas, Juha International Conference EcoBalt'2002, Riga, June 7-8, 2002 2002 / p. 20-25 : ill

Aerobic bio-oxidation combined with ozonation in recalcitrant wastewater treatment
Kamenev, Inna 2003 http://www.ester.ee/record=b1782585*est

Aerobic bio-oxidation combined with ozonation in the treatment of landfill leachates
Kamenev, Inna; Pikkov, Lui; Kallas, Juha Proceedings of the Estonian Academy of Sciences. Chemistry 2002 / 3, p. 148-155 : ill

Aerobic bio-oxidation with ozonation for recalcitrant wastewater treatment
Kamenev, Inna; Viiraja, Andres; Kallas, Juha Journal of advanced oxidation technologies 2008 / 2, p. 338-347

Aerobic bio-oxidation with ozonation in pulp and paper mill wastewater and phenolic wastewater treatment
Kamenev, Inna; Viiraja, Andres; Kallas, Juha Proceedings of International Conference on Ozone : a Clean Source for Activated

Aerobic cascade oxidation of substituted cyclopentane-1, 2-diones using metalloporphyrin catalysts [Online resource]
Oja, Karolin; Borovkov, Victor; Kananovich, Dzmitry; Järving, Ivar; Lopp, Margus 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://fmdk.ut.ee/teesid-2018/>

Aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones on Pt/C catalyst
Reile, Indrek; Paju, Anne; Eek, Margus; Pehk, Tõnis; Lopp, Margus Synlett 2008 / 3, p. 347-350 <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2008-1032056>

Akrüülnitriili fotokatalüütiline oksüdatsioon gaasifaasis
Jõks, Svetlana; Kritševskaja, Marina; Preis, Sergei XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 37

AlCo-rich AlCoNiFe and AlCoNiFeCr high entropy alloys: Synthesis and interaction pathway at high heating rates
Nazaretyan, K.; **Aydinyan, Sofiya**; Kirakosyan, H.; Moskovskikh, D.; Nepapushev, A.; Kuskov, K.; Tumanyan, M.; Zargaryan, A.; **Traksmaa, Rainer; Kharatyan, S.** Journal of alloys and compounds 2023 / art. 167589, 13 p
<https://doi.org/10.1016/j.jallcom.2022.167589> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An XPS and SIMS study of adhesive polypyrrole film on chemically oxidized titanium
Idla, Katrin; Johansson, L.-S.; Campbell, J.M.; Inganäs, Olle 8th European Conference on Applications of Surface and Interface Analysis : 4th-8th October 1999, Sevilla, Spain : abstracts 1999 / p. 334
https://www.researchgate.net/publication/260133505_An_XPS_and_SIMS_study_of_adhesive_polypyrrole_film_on_chemically_oxidized_titanium

Anaerobic ammonium oxidation process performance with optimum bicarbonate concentration
Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; **Menert, Anne**; Tomingas, Martin; Kroon, K.; Vabamäe, Priit; Tenno, Taavo Agricultural research : abstract book from the 4th Annual International Symposium on Agricultural Research : 18-21 July 2011, Athens, Greece 2011 / p. 69-71 : ill

Anaeroobse ammoniumlämmastiku oksüdatsiooni protsessi kiirendamine NH₂OH ja N₂H₄-ga
Zekker, Ivar; Kroon, K.; Rikmann, Ergo; Tenno, Toomas; **Menert, Anne**; Tenno, Taavo XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 114 https://www.ester.ee/record=b2679915*est

Analysis of functional gene transcripts suggests active CO₂ 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](#)

Anammox bacteria enrichment and phylogenetic analysis in moving bed biofilm reactors
Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; Vabamäe, Priit; Tomingas, Martin; **Menert, Anne**; **Loorits, Liis**; Tenno, Taavo Environmental engineering science 2012 / p. 946-950 <https://www.liebertpub.com/doi/abs/10.1089/ees.2011.0146?journalCode=ees>

ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency
Zekker, Ivar; Bhowmick, Gourav Dhar; Priks, Hans; Nath, Dibyojyoty; Rikmann, Ergo; **Jaagura, Madis** Biodegradation 2020 / p. 249 - 264 <https://doi.org/10.1007/s10532-020-09907-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of advanced oxidation technologies for propoxycarbazon-sodium degradation
Dulov, Aleksandr; Dulova, Niina; Veressinina, Jelena; Trapido, Marina 20th IOA World Congress - 6th IUVA World Congress : Ozone and UV Leading-Edge Science and Technologies : Paris, France, 23-27 May 2011 : proceedings 2011 / p. I.6.15-1 - I.6.15-8

Application of chemical oxidation for improvement of subsequent biodegradation in soil treatment
Trapido, Marina; Goi, Anna; Kulik, Niina Proceedings of 17th International Ozone Association World Congress and Exhibition "Ozone and Related Oxidants. Innovative and Current Technologies" : Strasbourg, France, August 22-25, 2005 2005 / p. VII.3.1-1 - VII.3.1-9

Application of different techniques for activation of H₂O₂/Fe³⁺ system : a comparative study
Bolobajev, Juri; Trapido, Marina; Dulova, Niina Journal of advanced oxidation technologies 2015 / p. 347-352 : ill
<https://doi.org/10.1515/jaots-2015-0222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of Fenton's reaction for food-processing wastewater treatment
Dulova, Niina; Trapido, Marina Journal of advanced oxidation technologies 2011 / p. 9-16

Application of fly ash of lignite combustion in air and water purification
Nikitin, Dmitri; Bolobajev, Juri; Kritševskaja, Marina; Pilar, Lukas; Vitvarova, Monika; Preis, Sergei; Dulova, Niina Proceedings

Applications of gas-phase ultraviolet photocatalytic oxidation technology in indoor environments

Palmiste, Ülar; Voll, Hendrik; Tang, Walter Zhonghong Healthy Buildings 2017 Europe : July 2-5, 2017, Lublin, Poland 2017 / paper 0278, [6] p

Aqueous bromide oxidized with pulsed corona discharge

Petrotsenko, Irina; Preis, Sergei Journal of electrostatics 2024 / art. 103978, 9 p. : ill <https://doi.org/10.1016/j.elstat.2024.103978>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aqueous photocatalytic oxidation of amoxicillin

Klauson, Deniss; Babkina, J.; Stepanova, Kristina; Kritševskaja, Marina; Preis, Sergei Catalysis today 2010 / 1/2, p. 39-45

Aqueous photocatalytic oxidation of amoxicillin

Klauson, Deniss; Babkina, J.; Stepanova, Kristina; Kritševskaja, Marina; Preis, Sergei Proceedings of the 2nd European Conference on Environmental Applications of Advanced Oxidation Technologies (EAAOP-2): Nicosia, Cyprus, September 9-11, 2009 2009 / [12] p <https://www.sciencedirect.com/science/article/abs/pii/S0920586110000192>

Aqueous photocatalytic oxidation of doxycycline

Klauson, Deniss; Poljakova, Alissa; Pronina, Natalja; Kritševskaja, Marina; Moiseev, Anna; Dedova, Tatjana; Preis, Sergei Journal of advanced oxidation technologies 2013 / p. 234-243 <https://doi.org/10.1515/jaots-2013-0203> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aqueous photocatalytic oxidation of doxycycline

Kritševskaja, Marina; Klauson, Deniss; Pronina, Natalja; Poljakova, Alissa; Preis, Sergei Abstracts of papers of the American Chemical Society. Vol. 245 2013 / [1] p

Aqueous photocatalytic oxidation of lignin : the influence of mineral admixtures

Portjanskaja, Elina; Preis, Sergei International journal of photoenergy 2007 / [7] p

Aqueous photocatalytic oxidation of lignin : the influence of mineral admixtures

Portjanskaja, Elina; Preis, Sergei; Kallas, Juha Solar Chemistry and Photocatalysis : Environmental Applications 2006 (SPEA) : Spain, Las Palmas, November 2006 2006 / ? p

Aqueous photocatalytic oxidation of lignin and humic acids with supported TiO₂

Portjanskaja, Elina; Preis, Sergei; Kallas, Juha International journal of photoenergy 2006 / [7] p

Aqueous photocatalytic oxidation of lignin and humic substances with supported TiO₂

Portjanskaja, Elina; Preis, Sergei; Kallas, Juha 6th European Meeting Environmental Chemistry : December 6-10, 2005, Belgrade, Serbia and Montenegro 2005 / p. 145

Aqueous photocatalytic oxidation of non-biodegradable pollutants = Bioloogiliselt mittelagunevate saasteainete fotokatalüütiline oksüdatsioon vesifaasis

Klauson, Deniss 2010 <https://digi.lib.ttu.ee/i/2479> https://www.ester.ee/record=b2595245*est

Aqueous photocatalytic oxidation of oxygenated fuel additives using sulphur-doped titania

Klauson, Deniss; Preis, Sergei The 8th European Meeting on Environmental Chemistry (EMEC8) : Inverness, England, 05-08 December 2007 : book of abstracts and final programme 2007 / p. 46

Aqueous photocatalytic oxidation of prednisolone

Klauson, Deniss; Pilnik-Sudareva, Jana; Pronina, Natalja; Budarnaja, Olga; Kritševskaja, Marina; Käkinen, Aleksandr; Juganson, Katre; Preis, Sergei Central European journal of chemistry 2013 / p. 1620-1633 : ill <https://doi.org/10.2478/s11532-013-0290-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aqueous photocatalytic oxidation of prednisolone

Klauson, Deniss; Pilnik-Sudareva, Jana; Budarnaja, Olga; Kritševskaja, Marina; Kuljasova, Julia; Käkinen, Aleksandr; Juganson, Katre; Preis, Sergei Abstracts of papers of the American Chemical Society. Vol. 245 2013 / [1] p

Aqueous photocatalytic oxidation of sulfamethizole

Klauson, Deniss; Kritševskaja, Marina; Borissova, Maria; Preis, Sergei Environmental technology 2010 / 14, p. 1547-1555 : ill

Aqueous photocatalytic oxidation of sulfamethizole

Klauson, Deniss; Kritševskaja, Marina; Borissova, Maria; Preis, Sergei The 5th European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications (SPEA5) : 04-08 October 2008, Palermo, Italy : book of abstracts 2008 / p. PP2.18

Aromaatsete aminoühendite (samiini) fotokatalüütiline oksüdeerimine põhjaveses = Photocatalytical oxidation of aromatic aminocompounds in aquatic solutions and ground water from abandoned military base

Preis, Sergei; Kritševskaja, Marina; **Hartšenko, Anna** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 151-152 https://www.ester.ee/record=b1070511*est

Aspects of kerogen oxidative dissolution in subcritical water using oxygen from air

Kaldas, Kristiina; Niidu, Allan; Preegel, Gert; Uustalu, Jaan Mihkel; Muldma, Kati; Lopp, Margus Oil shale 2021 / p. 199-214 : ill <https://doi.org/10.3176/oil.2021.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Asymmetric oxidation of 1,2-cyclopentanediones

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus Tetrahedron letters 2000 / 35, p. 6883-6887

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. 64

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 1, 3-hydroxylation of 3-alkyl-1,2-cyclopentanediones

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2002 / p. 2439-2448 <https://www.sciencedirect.com/science/article/pii/S095741660200589X>

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 2, Oxidative ring cleavage of 3-alkyl-1,2-cyclopentanediones : synthesis of 2-alkyl-[gamma]-lactone acids

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lindmaa, Rasmus; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2003 / p. 1565-1573 <https://www.sciencedirect.com/science/article/pii/S0957416603003094>

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 3, Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones : synthesis of [alfa]-hydroxy-[gamma]-lactone acids and spiro-[gamma]-dilactones

Paju, Anne; Kanger, Tõnis; Niitsoo, Olivia; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2003 / p. 2393-2399

Asymmetric oxidation of cyclobutanones : modification of the Sharpless catalyst

Kanger, Tõnis; Kriis, Kadri; Paju, Anne; Pehk, Tõnis; Lopp, Margus Tetrahedron : asymmetry 1998 / p. 4475-4482

Asymmetric oxidation of ketones

Lopp, Margus; Paju, Anne; **Kanger, Tõnis;** Kriis, Kadri; Ilmarinen, Kaja; **Pehk, Tõnis** Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p. 124-137

Asymmetric oxidation of prochiral and racemic ketones by using Sharpless catalyst

Paju, Anne 2001 <https://digi.lib.ttu.ee/i/24206> https://www.ester.ee/record=b1551339*est

Asymmetric oxidation: towards "artificial enzymes"

Lopp, Margus Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 15

Asymmetric synthesis of 2/alkyl-substituted 2-hydroxyglutaric acid [gamma]-lactones

Paju, Anne; Laos, Marit; Jõgi, Artur; Päre, Malle; Jäälaid, Raissa; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus Tetrahedron letters 2006 / 26, p. 4491-4493 <https://www.sciencedirect.com/science/article/pii/S004040390600726X>

Asymmetric synthesis of 2-aryl-5-oxotetrahydrofuran-2-carboxylic acids

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Kailas, Tiit; Müürisepp, Aleksander-Mati; Kanger, Tõnis; Lopp, Margus Synthesis 2006 / 18, p. 3031-3036 : ill <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2006-950193>

Behavior of Estonian oil shale in acidic oxidative conditions

Niidu, Allan; Grenman, Henrik; **Muldma, Kati; Kaldas, Kristiina; Mikli, Valdek; Lopp, Margus** Frontiers in Chemical Engineering 2022 / art. 590115 <https://doi.org/10.3389/fceng.2022.590115>

Biological oxidation in anaerobic digestion of sulfate rich wastewater

Blonskaja, Viktoria; Menert, Anne; Kurissoo, Tõnu; Vilu, Raivo 9th World Congress Anaerobic Digestion 2001 : September 2-6, 2001, Antwerpen, Belgium : proceedings. Part 1 2001 / p. 713-718 : ill

Biological redox switches

Palumaa, Peep Antioxidants & redox signaling 2009 / 5, p. 981-983 <https://pubmed.ncbi.nlm.nih.gov/19186997/>

Biological treatment of anaerobic digester supernatant by anaerobic ammonium oxidation method in UASB system

Tomingas, Martin; Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; Menert, Anne; Kroon, Kristel; Tenno, Taavo SustainChem2011 :

International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 140

Bioloogiline oksüdatsioon sulfaadirikast reovett töötlevas anaeroobses biopuhastis

Menert, Anne; Krapivina, Marina; Kurissoo, Tõnu; Vilu, Raivo XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 85-86

Biooksüdatsioon koos keemilise oksüdatsiooniga

Järvik, Oliver; Viiraja, Andres; Kamenev, Sven; Kamenev, Inna XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 30 : ill

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](#)

Characterization of bitter off-taste stimuli in sunflower press cake using the sensomics approach

Huseynli, Lachinkhanim; Gigl, Michael; Müller, Jasmin; Walser, Christoph; Frank, Oliver; **Vene, Kristel**; Dawid, Corinna Journal of agricultural and food chemistry 2025 / p. 23548-23559 <https://doi.org/10.1021/acs.jafc.5c07283>

Characterization of oil shale ash dump waste water and effect of advanced oxidation techniques to its chemical composition

Tuhkanen, Tuula; **Maripuu, Lea**; Vartiainen, Matti; **Munter, Rein** Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia : abstracts 1993 / p. 29-30

Chemical and biochemical oxidation in wastewater treatment technology : mass transfer and reaction kinetics

Kamenev, Inna; Viiraja, Andres; Kallas, Juha Scientific proceedings of Riga Technical University. Series: Material Science and Applied Chemistry 2002 / p. 47-58 : ill

Chemical oxidation in oil contaminated soil remediation

Trapido, Marina; Goi, Anna; Kulik, Niina Soil and Ground Water Contamination by Oil Products and other Anthropogenic Organic Compounds : Analytics, Monitoring and Remediation 2005 / p. 35-40

Chemical oxidation of biologically treated phenolic effluents

Kamenev, Sven; Kallas, Juha; Munter, Rein; Trapido, Marina Waste management 1995 / 3, p. 203-208: ill

Chemical oxidation of chlorinated hydrocarbons in soil utilising peroxygene chemicals, different activation aids and biosurfactant

Goi, Anna; Viisimaa, Marika Intersol'2012 : International Conference-Exhibition on Soils, Sediments and Water : 27 au 30 mars 2012, Paris-Sud, France 2012 / [4] p.: ill

Chemical oxidation of ferrous iron in aqueous solutions and groundwater samples

Munter, Rein; Trapido, Marina; Veressina, Jelena; Kallas, Juha Proceedings of the Estonian Academy of Sciences. Chemistry 1999 / 4, p. 174-181: ill

Chemicals and lignin from black liquor by a wet oxidation process

Melin, Johan Kristian; Mudassar, Hassan Raja; Hurme, Markku; Koskinen, Jukka; **Kallas, Juha** SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 154

Chemistry at the surface New organic/mineral hybrid compounds: apatites as chiral ruthenium complexes support

Tõnsuaadu, Kaia Estonian Science Foundation 2006 2007 / p. 39 : phot

Chlorinated hydrocarbons contaminated soil treatment by chemical oxidation

Viisimaa, Marika; Bolobajev, Juri; Trapido, Marina; Goi, Anna Proceedings of 3rd European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP3) : Almería, Spain, October 27-30, 2013 2013 / p. O26-1 - O26-3

Column experiment on activation aids and biosurfactant application to the persulphate treatment of chlorophene-contaminated soil

Bolobajev, Juri; Bilgin Öncü, Nalan; Viisimaa, Marika; Trapido, Marina; Balcioglu, Isil Akmeahmet; Goi, Anna Environmental technology 2015 / p. 348-357 : ill <https://doi.org/10.1080/09593330.2014.948493> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combination of advanced oxidation methods for the energy-efficient abatement of aqueous and gaseous hazardous

pollutants = Süvaoksüdatsiooniprotsesside kombineerimine ohtlike saasteainete energiatõhusaks lagundamiseks vees ja õhus

Kask, Maarja 2021 https://www.ester.ee/record=b5451819*est <https://digikogu.taltech.ee/et/Item/26344f14-93e2-432d-82d6-cc540247d95b>
<https://doi.org/10.23658/taltech.37/2021>

Combined physicochemical treatment of textile and mixed industrial wastewater

Dulov, Aleksandr; Dulova, Niina; Trapido, Marina Ozone : science & engineering 2011 / p. 285-293 : ill

Combined treatment of pyrogenic wastewater from oil shale retorting

Klein, Kati; Kattel, Eneliis; Goi, Anna; Kivi, Arthur; Dulova, Niina; Saluste, Alar; Zekker, Ivar; **Trapido, Marina;** Tenno, Taavo Oil shale 2017 / p. 82-96 : ill <https://doi.org/10.3176/oil.2017.1.06> https://artiklid.elnet.ee/record=b2816468*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comparative study of asymmetric Baeyer-Villiger oxidation of cyclic ketones

Kanger, Tõnis; Kriis, Kadri; Paju, Anne; Kallas, Kaja; Pehk, Tõnis; Lopp, Margus 10th IUPAC Symposium on Organo-Metallic Chemistry directed towards Organic Synthesis : 18-22 July, 1999, Versailles (France) : final program 1999 / p. P232

Comparision of ozonation and wet oxidation for the removal of lipophilic wood extractives from paper mill circulation water

Laari, A.; Korhonen, Susanna; Tuhkanen, Tuula; Edelmann, K.; Verenich, Svetlana; Bankier, Siret; Kallas, Juha Proceedings of the International Conference on Applications of Ozone and also on UV and Related Ozone Technologies (in conjunction with IUVA) : AT Wasser Berlin 2000 : October 23-26 2000 / p. 111-124 <https://www.tandfonline.com/doi/abs/10.1080/01919510108962023>

Comparison of different advanced oxidation processes for sulphamethizole degradation : process applicability study at mg L-1 level and scale-down to µg L-1 level

Klauson, Deniss; Grimm, F.; **Pronina, Natalja; Viisimaa, Marika; Dulova, Niina** 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 401 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Comparison of sulfate-reducing and conventional Anammox upflow anaerobic sludge blanket reactors

Rikmann, Ergo; Zekker, Ivar; Tomingas, Martin; Vabamäe, Priit; Kroon, Kristel; Saluste, Alar; Tenno, Taavo; Menert, Anne; Rubin, Sergio S.C. Journal of bioscience and bioengineering 2014 / p. 426-433 : ill <https://doi.org/10.1016/j.jbiosc.2014.03.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computerized chromatographic monitoring of rapid thermooxidation reactions

Kaljurand, Mihkel; Ebber, Arkadi Proceedings of the Estonian Academy of Sciences. Chemistry 1996 / 1/2, p. 1-8: ill

Contaminated soil remediation with hydrogen peroxide oxidation

Goi, Anna; Trapido, Marina; Kulik, Niina Proceedings of World Academy of Science, Engineering and Technology 2009 / April, p. 185-189 : ill

Corrigendum to Improvement in iron activation ability of alachlor Fenton-like oxidation by ascorbic acid [Chem. Eng. J. 281 (2015) 566-574] Doi: 10.1016/j.cej.2015.06.115

Bolobajev, Juri; Trapido, Marina; Goi, Anna Chemical Engineering Journal 2016 / p. 19 <https://doi.org/10.1016/j.cej.2015.11.001>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrosion failure of columnar TiN layer by enhanced anodic oxidation

Rudenja, Sergei; Kulu, Priit; Mikli, Valdek Abstracts of MRS Meeting : San-Fransisco, USA, 2001 2001 / p. 331

Cost effectiveness of ozonation and AOPs for aromatic compounds removal from water : a preliminary study

Munter, Rein; Trapido, Marina; Veressinina, Jelena; Goi, Anna Ozone : science and engineering 2006 / 5, p. 287-293
<https://www.tandfonline.com/doi/full/10.1080/01919510600893875>

Degradation of antibiotic vancomycin by UV photolysis and pulsed corona discharge combined with extrinsic oxidants

Nikitin, Dmitri; Kaur, Balpreet; Preis, Sergei; Dulova, Niina Catalysts 2023 / art. 466, 16 p. : ill <https://doi.org/10.3390/catal13030466>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of antibiotic vancomycin by UV photolysis and pulsed corona discharge combined with extrinsic oxidants

Nikitin, Dmitri; Kaur, Balpreet; Preis, Sergei; Dulova, Niina GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts 2023 / 1 p <https://fmdtk.ut.ee/programm-2023/>

Degradation of aqueous alachlor in pulsed corona discharge

Bolobajev, Juri; Gornov, Daniil; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2021 / art. 103543
<https://doi.org/10.1016/j.elstat.2020.103543> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of emerging pharmaceuticals in water/wastewater matrix with advanced oxidation processes : a

comparative study

Epold, Irina; Barajeva, Polina; Veressinina, Jelena; Trapido, Marina 20th IOA World Congress - 6th IUVA World Congress : Ozone and UV Leading-Edge Science and Technologies : Paris, France, 23-27 May 2011 : proceedings 2011 / p. VIII.2.6-1 - VIII.2.6-10

Degradation of environmentally toxic refractory compounds in suspended-bed reactor by photocatalytic oxidation and combination of biological treatment with photocatalysis [Online resource]

Pronina, Natalja; Klauson, Deniss; Kamenev, Sven; Kamenev, Inna; Rudenko, Tatjana; Künnis-Beres, Kai; Moiseev, Anna; Kritševskaja, Marina Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fntdk.ut.ee/teesid/>

Degradation of imidazolium-based ionic liquids by UV photolysis and pulsed corona discharge : the effect of persulfates addition

Nikitin, Dmitri; Preis, Sergei; Dulova, Niina Separation and purification technology 2024 / art. 127235

<https://doi.org/10.1016/j.seppur.2024.127235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of levofloxacin in aqueous solution by ferrous ion-activated hydrogen peroxide, persulfate and combined hydrogen peroxide/persulfate system

Epold, Irina; Trapido, Marina; Dulova, Niina 15th European Meeting on Environmental Chemistry : 3-6 December 2014, Brno, Czech Republic : book of abstracts 2014 / p. 61

Degradation of levofloxacin in aqueous solutions by Fenton, ferrous ion-activated persulfate and combined Fenton/persulfate systems

Epold, Irina; Trapido, Marina; Dulova, Niina Chemical engineering journal 2015 / p. 452-462 : ill

<https://doi.org/10.1016/j.cej.2015.05.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of naproxen by ferrous ion-activated hydrogen peroxide, persulfate and combined hydrogen peroxide/persulfate processes : the effect of citric acid addition

Dulova, Niina; Kattel, Eneliis; Trapido, Marina Chemical engineering journal 2017 / p. 254-263 : ill

<https://doi.org/10.1016/j.cej.2016.07.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Degradation of pharmaceuticals by advanced oxidation technologies in aqueous matrices = Ravimite lagundamine vesikeskkonnas süvaoksüdatsioonitehnoloogiatega

Epold, Irina 2015 <https://digi.lib.ttu.ee/i/?3698> https://www.ester.ee/record=b4513257*est

Degradation of polycyclic aromatic hydrocarbons by combined chemical pre-oxidation and bioremediation in creosote contaminated soil

Kulik, Niina; Goi, Anna; Trapido, Marina; Tuhkanen, Tuula Journal of environmental management 2006 / p. 382-391 : ill

Degradation of propoxycarbazone-sodium with advanced oxidation processes

Dulov, Aleksandr; Dulova, Niina; Veressinina, Jelena; Trapido, Marina Water science & technology : water supply 2011 / p. 129-134

Degradation of salicylic acid by means of ozonation and advanced oxidation processes

Goi, Anna; Veressinina, Jelena; Dzitsjuk, I.; Trapido, Marina 2007 World Congress on Ozone and Ultraviolet Technologies : August 27-29, 2007, Los Angeles, California USA 2007 / p. Abs.126

Deodorization of wastewater from alkyd resin synthesis

Preis, Sergei; Hartšenko, Anna; Kritševskaja, Marina; Terentjeva, Jelena 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 57

Destruction of toxic and carcinogenic aromatic compounds by advanced oxidation processes

Trapido, Marina; Veressinina, Jelena; Kallas, Juha; Hautaniemi, Marjaana; Munter, Rein The 1998 European Workshop on Water and Air Treatment by Advanced Oxidation Technologies : Innovative and Commercial Applications, EPFL, Lausanne, Switzerland, October 11-14, 1998 : abstracts 1998 / p. 46

Detoxification of oil-shale wastes by advanced oxidation

Veressinina, Jelena; Trapido, Marina; Kulik, Niina; Munter, Rein Chemicals, Human & Environment : programme & abstracts : Joint Conference of Estonian Society of Toxicology & Scandinavian Society of Cell Toxicology : Toila, Estonia, October 20-23, 2005 2005 / p. 84

Development of oxidation technology in water treatment : pulsed corona discharge plasma combined with peroxocompounds = Oksüdatsioonitehnoloogia arendamine veepuhastuses : peroksoühenditega kombineeritud impulss koroona elektrilahendus

Nikitin, Dmitri 2024 https://www.ester.ee/record=b5693232*est <https://doi.org/10.23658/taltech.38/2024> <https://digikogu.taltech.ee/et/Item/9db5662a-18c4-4b91-b18c-52b55d227f0b>

Development of photo-induced persulfate-based processes for efficient application in water treatment = Foto-indutseeritud persulfaadi-põhiste protsesside väljatöötamine efektiivseks rakendamiseks vee puhastamisel
Balpreet Kaur 2020 <https://digikogu.taltech.ee/et/Item/f681dc13-dc11-4ad6-b728-aa232dfd8c59>

Diesel fuel oxidation in storage

Järviste, Raul; Muoni, Rein; Soone, Jüri; Riisalu, Hella; Zaidentsal, Aleksei Khimiya tverdogo topliva 2008 / p. 123-127

Direct asymmetric alpha-hydroxylation of beta-hydroxyketones

Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis Tetrahedron letters 1997 / 28, p. 5051-5054

Direct asymmetric alpha-hydroxylation of beta-hydroxyketones

Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 79

Eemaldades tõrvatilku meepotist

Sirp 2020 / lk. 14 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/teaduse-aastapreemia-eemaldades-torvatilku-meepotist-2/>
https://www.ester.ee/record=b1072938*est

Effect of advanced oxidation process on biodegradation of PAHs in creosote oil contaminated soil

Palmroth, Marja R.T.; Aunola, Tuomo; **Goi, Anna** Abstracts of Sixth Finnish Conference of Environmental Sciences : Current Perspectives in Environmental Science and Technology : Joensuu, Finland, 2003 2003 / p. 51-54
<https://researchportal.tuni.fi/en/publications/effect-of-advanced-oxidation-process-on-biodegradation-of-pahs-in>

Effect of bicarbonate concentration on Anaerobic ammonium oxidation for efficient autotrophic nitrogen removal

Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; **Menert, Anne**; Lemmiksoo, Vallo; Kolberg, K.; Tenno, Taavo IWA Specialist Conference Water and Industry : Valladolid, Spain, 1-4 May 2011 : final program 2011 / p. 16

Effect of electrolyte composition on the surface characteristics of plasma electrolytic oxidation coatings over Ti40Nb alloy

Lokeshkumar, E.; Premchand, C.; Palanivel, Manojkumar; Shishir, R.; Krishna, L. Rama; **Prashanth, Konda Gokuldoss**; Rameshbabu, Nagumothu Surface and coatings technology 2023 / art. 129591 <https://doi.org/10.1016/j.surfcoat.2023.129591> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of methionine-35 oxidation on the aggregation of amyloid-β peptide

Friedemann, Merlin; **Helk, Eneken**; Tiiman, Ann; Zovo, Kairit; Palumaa, Peep; Tõugu, Vello Biochemistry and biophysics reports 2015 / p. 94-99 : ill <http://dx.doi.org/10.1016/j.bbrep.2015.07.017>

Effect of oil droplet size on oxidation safflower oil in emulsion system

Sirendi, Meelis; Gohtani, Shoichi; Yamano, Yoshimasa Food and nutrition = Toit ja toitumine 1998 / p. 91-97: ill

Effect of ozone on photocatalytic oxidation of acetone and toluene vapours in continuous multi-section reactor

Kask, Maarja; Bolobajev, Juri; **Kritševskaja, Marina** 6th European Conference on Environmental Applications of Advanced Oxidation Processes, Portorož - Portorose, Slovenia, 26-30 June 2019 : book of abstracts 2019 / p. 657

Effect of oxidation on abrasive wear behaviour of TiC-based cermets in SiO2 medium

Antonov, Maksim; Hussainova, Irina; **Pirso, Jüri**; **Juhani, Kristjan** Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 510-515 : ill

Effect of oxidation on abrasive wear behaviour of titanium carbide based composites in silica medium

Antonov, Maksim; Hussainova, Irina; **Pirso, Jüri**; **Juhani, Kristjan**; **Viljus, Mart** Estonian journal of engineering 2010 / 4, p. 264-272 : ill

Effect of oxidation on abrasive wear of TiC-based cermets at various temperatures

Antonov, Maksim; Hussainova, Irina; **Pirso, Jüri**; **Juhani, Kristjan** Proceedings of 14th Nordic Symposium on Tribology : NORDTRIB 2010 : 08.06-11.06.2010, Storforsen, Sweden 2010 / p. 0054 [CD-ROM]

Effect of oxidation on erosive wear behaviour of boiler steels

Antonov, Maksim; **Veinthal, Renno**; Huttunen-Saarivirta, E.; Hussainova, Irina; **Vallikivi, Ahto**; Lelis, Martynas; **Priss, Jelena** Tribology international 2013 / p. 35-44 : ill <https://doi.org/10.1016/j.triboint.2012.09.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of some polysaccharides on oxydative stability of methyl linoleate in emulsion

Sirendi, Meelis; Gohtani, Shoichi; Yamano, Yoshimasa Journal of dispersion science and technology 1998 / 5, p. 679-694

Effect of the chiral catalyst in asymmetric Baeyer-Villiger oxidation of cyclic ketones

Kriis, Kadri; **Kanger, Tõnis; Paju, Anne**; Ilmarinen, Kaja; **Pehk, Tõnis; Lopp, Margus** International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. 51

Effects of persulfate and hydrogen peroxide on oxidation of oxalate by pulsed corona discharge

Tikker, Priit; Dulova, Niina; Kornev, Iakov; **Preis, Sergei** Chemical engineering journal 2021 / art. 128586

<https://doi.org/10.1016/j.cej.2021.128586> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of persulfate and hydrogen peroxide on oxidation of oxalate by pulsed corona discharge treatment

Tikker, Priit; Dulova, Niina; Kornev, Iakov; **Preis, Sergei** GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 11 http://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Efficient photoelectrocatalytic degradation of amoxicillin using nano-TiO₂ photoanode thin films : a comparative study with photocatalytic and electrocatalytic methods

Alaydaroos, Alia Husain; **Sydorenko, Jekaterina**; Palanisamy, Selvakumar; Chiesa, Matteo; Al Hajri, Ebrahim Chemosphere 2023 / art. 139629 <https://doi.org/10.1016/j.chemosphere.2023.139629> [Journal metrics at Scopus](#) [Article at Scopus](#)

800-Year ice-core record of nitrogen deposition in Svalbard linked to ocean productivity and biogenic emissions

Wendl, Isabel A.; Eichler, Anja; Isaksson, Elisabeth; **Martma, Tõnu**; Schwikowski, Margit Atmospheric Chemistry and Physics 2015 / p. 7287 - 7300 <https://doi.org/10.5194/acp-15-7287-2015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Electrochemical aziridination of internal alkenes with primary amines

Ošeka, 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](#)

Emerging micropollutants in water/wastewater : growing demand on removal technologies

Trapido, Marina; Dulova, Niina; Epold, Irina; Bolobajev, Juri Proceedings of 3rd European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP3) : Almería, Spain, October 27-30, 2013 2013 / p. P171-1 - P171-3

Emission of sulphur dioxide by thermooxidation of Estonian oil shale and coal

Kaljuvee, Tiit; Kuusik, Rein; Keemik, Veiderma, Mihkel Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 3, p. 199-208: ill

Enabling ring-opening reaction of cyclopropanols with decatungstate anion photocatalysis

Krech, Anastasiya; Kananovich, Dzmitry; Ošeka, Maksim ISySyCat 2023 : International Symposium on Synthesis and Catalysis : Book of Abstracts 2023 / 1 p https://books.google.ee/books/about/ISySyCat_2023.html?id=wkVIOAEACAAJ&redir_esc=y

Enantioselective synthesis of epoxyketones via aerobic oxidation of cyclopropanols

Elek, Gabor Zoltan; **Borovkov, Victor; Lopp, Margus; Kananovich, Dzmitry** Open Readings 2017 : 60th International Conference for Students of Physics and Natural Sciences, March 14-17, 2017, Vilnius, Lithuania : programme and abstracts 2017 / p. 140 : ill http://www.openreadings.eu/wp-content/uploads/2017/03/OR2017_abstracts_book.pdf

Energy consumption in ozonation and photo-catalytical oxidation

Preis, Sergei; Kamenev, Sven 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 57

Enhancement of aerobic biooxidation with Ozone in Phenolic Wastewater Treatment

Kamenev, Inna; Viiraja, Andres; Kallas, Juha Proceedings of 17th World Congress and Exhibition "Ozone and Related Oxidants. Innovative and Current Technologies" : Strasbourg, France, August 22-25, 2005 2005 / ? p

EQCM study enantioselective uptake of aspartic acid with overoxidized polypyrrole films

Sõritski, Vitali; Gyurcsanyi, Robert E.; **Reut, Jekaterina; Menaker, Anna**; Toth, K.; **Öpik, Andres** 56th International Meeting of Electrochemical Society (ISE2005) : book of abstracts 2005 / p. 965

Erosion of Cr₃C₂-based cermets at room and elevated temperatures

Antonov, Maksim; Hussainova, Irina Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 137-140 : ill

Erosion-oxidation of pressure vessel steel P265GH

Huttunen-Saarivirta, E.; Kuokkala, V.-T.; **Antonov, Maksim; Veinthal, Renno**; Tuiremo, J.; Mäkelä, K. Tribologia : Finnish journal of tribology 2012 / p. 11-19 : ill <https://journal.fi/tribologia/article/view/69337>

Esilekerkivate ravimite lagundamine süvaoksüdatsiooniprotsessidega vees/reovees : võrdlev uuring

Epold, Irina; Veressina, Jelena; Trapido, Marina XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 21

Estimation of energy consumed by ozonation photocatalytical oxidation

Preis, Sergei; Kamenev, Sven Regional Conference on Ozone Generation and Application to Water and Waste Water Treatment :

Experimental setup for testing and mapping of high temperature abrasion and oxidation synergy

Antonov, Maksim; Hussainova, Irina Wear 2009 / 11, p. 1798-1803 : ill

Facile and environmentally benign aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts [Online resource]

Maljutenko, Karolin; Borovkov, Victor; Kananovich, Dzmitry; Lopp, Margus Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fmdtk.ut.ee/teesid/>

Fenoole sisaldava reovee puhastamine kombineeritud protsessiga - aeroobne biooksüdatsioon koos retsirkuleeritava vee osoneerimisega

Kamenev, Inna; Lepik, Pille; Kallas, Juha XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 41-42

Fenoolsete ainete oksüdeerimine vesilahustes

Preis, Sergei; Terentjeva, Jelena XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 111

Fenoolsete ja aromaats[te] amiinoühendite fotokatalüütiline oksüdatsioon saastatud vetes

Preis, Sergei; Kritševskaja, Marina; Terentjeva, Jelena; Moiseev, Anna XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 134-135

Formation of volatile organic compounds at thermooxidation of solid fossil fuels

Kaljuvee, Tiit; Edro, Evelin; Kuusik, Rein; keemik Oil shale 2007 / 2, p. 117-133 : ill https://artiklid.elnet.ee/record=b2374393*est

Fossilisation by Mg-calcite: mineralized microbes in methane-derived carbonates from the Vestnesa Ridge, off western Svalbard

Himmler, Tobias; Wirth, Richard; **Martma, Tõnu**; Bohrmann, Gerhard; Bünz, Stefan; Knies, Jochen; **Lepland, Aivo** Geophysical research abstracts 2018 / p. EGU2018-14291 <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-14291.pdf>

Fotokatalüütiline oksüdeerimine veepuhastuses, eelised ja tõkked rakendamisel

Preis, Sergei Keskkonnatehnika 1997 / 4, lk. 31-32

Gaasiliste küllastunud süsivesinike oksüdeerimise uurimine vanaadiumoksiid-katalüsaatoritel

Mikkal, Maret-Elo 1966 http://www.ester.ee/record=b2188094*est

Gas-phase and aqueous photocatalytic oxidation of methylamine : the reaction pathways

Katšina, Anna; Preis, Sergei; Lluellas, German Charles; Kallas, Juha International journal of photoenergy 2007 / [6] p

Gas-phase photocatalytic and thermal oxidation of methyltertbutyl ether and tert-butyl alcohol at TiO₂ surface

Katšina, Anna; Nuria, C.; Preis, Sergei; Kallas, Juha 3rd European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications : book of abstracts 2004 / p. 305-306

Gas-phase photocatalytic degradation of VOCs and ozone in continuous multi-section reactor as possible air post-treatment for exhaust from pulsed corona discharge

Kask, Maarja; Bolobajev, Juri; Kritševskaja, Marina GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 40 <http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Gas-phase photocatalytic oxidation of acrylonitrile

Kritševskaja, Marina; Jõks, Svetlana; Katšina, Anna; Preis, Sergei The 5th European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications (SPEA5) : 04-08 October 2008, Palermo, Italy : book of abstracts 2008 / p. PP2.20

Gas-phase photocatalytic oxidation of acrylonitrile

Kritševskaja, Marina; Jõks, Svetlana; Katšina, Anna; Preis, Sergei Photochemical & photobiological science 2009 / 5, p. 600-603 : ill

Gas-phase photocatalytic oxidation of acrylonitrile on sulphated TiO₂ : continuous flow and transient study

Jõks, Svetlana; Kritševskaja, Marina; Preis, Sergei Catalysis letters 2010 / [13] p. : ill

Gas-phase photocatalytic oxidation of acrylonitrile on sulphated TiO₂ : continuous flow and transient study

Jõks, Svetlana; Kritševskaja, Marina; Preis, Sergei Catalysis letters 2011 / p. 309-315 : ill

Gas-phase photocatalytic oxidation of dimethylamine : the reaction pathway and kinetics

Katšina, Anna; Preis, Sergei; Kallas, Juha International journal of photoenergy 2007 / [4] p

Gas-phase photocatalytic oxidation of motor fuel oxygenated additives

Preis, Sergei; Falconer, J.L. Water science and technology Water science & technology 2004 / 4, p. 141-145

Gas-phase photocatalytic oxidation of motor fuel oxygenated additives

Preis, Sergei; Falconer, J. Third International Conference on Oxidation Technologies for Water and Wastewater Treatment - Special Topic: AOP's for Recycling and Reuse : 18-22 May 2003, Goslar, Germany 2003 / lk. 216-220

Gas-phase photocatalytic oxidation of motor fuel oxygenated additives

Preis, Sergei; Falconer, J.L. 2[nd] European Meeting on: "Solar-Chemistry and Photocatalysis : Environmental Applications", Saint-Avoid (France), May 29-31, 2002 : book of abstracts 2002 / p. P30

Gas-phase photocatalytic oxidation of motor fuel oxygenated additives

Preis, Sergei; Falconer, J.L. International Conference EcoBalt'2002, Riga, June 7-8, 2002 2002 / p. 11-12

Gas-phase photocatalytic oxidation of organic air pollutants = Orgaaniliste õhu saasteainete fotokatalüütiline oksüdatsioon gaasifaasis

Jõks, Svetlana 2012

Gas-phase photocatalytic oxidation of refractory VOCs mixtures : through the net of process limitations

Kritševskaja, Marina; Preis, Sergei; Moiseev, Anna; **Pronina, Natalja**; Deubener, Joachim Catalysis today 2017 / p. 93-98 : ill <https://doi.org/10.1016/j.cattod.2016.03.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Gas-phase photocatalytic oxidation of styrene in a simple tubular TiO₂ reactor

Kritševskaja, Marina; **Preis, Sergei** Journal of advanced oxidation technologies 2003 / 2, p. 150-157

Glükoosioksidaasi-kalaktaasi kompleksi immobiliseerimine ja kasutamine glükoosi oksüdatsiooniks glükoos-fruktoosi segudes

Treufeld, E.; **Fedosseev, Viktor**; **Mandel, Mihkel** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 135 https://www.ester.ee/record=b1322611*est

Growth of ultra-thin amorphous Al₂O₃ films on CoAl(1 0 0)

Rose, V.; **Podgurski, Vitali**; Costina, Ioan; Franchy, R. Surface science 2003 / p. 128-136 <https://www.sciencedirect.com/science/article/pii/S0039602803008914>

Häpetustekniikoiden käyttö metsäteollisuuden vesikiertojen sulkemisessa - EKT 04

Laari, Arto; Korhonen, Susanna; **Kallas, Juha**; Tuhkanen, Tuula Cactus : Teknologiaohjelman vuosikirja 1998 1998 / s. 73-75

Häpetustekniikoiden käyttö metsäteollisuuden vesikiertojen sulkemisessa: prosessin kehitys ja mallinnus - EKT 04

Laari, Arto; Korhonen, Susanna; Tuhkanen, Tuula; **Kallas, Juha** CACTUS-teknologiaohjelma : vuosikirja 1999 1999 / s. 47-57

Heitvete kombineeritud oksüdatiivne puhastamine

Pikkov, Lui; **Kallas, Juha**; **Kamenev, Inna**; **Krasnova, Olga** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 132-133

Heterogeneous platinum catalytic aerobic oxidation of cyclopentane-1,2-diols to cyclopentane-1,2-diones

Reile, Indrek; **Kalle, Sigrid**; Werner, Franz; **Järving, Ivar**; **Kudrjašova, Marina**; **Paju, Anne**; **Lopp, Margus** Tetrahedron 2014 / p. 3608-3613 : ill <https://doi.org/10.1016/j.tet.2014.03.104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High temperature oxidation of CoAl(100)

Volker, R.; **Podgurski, Vitali**; Costina, Ioan; Franchy, R.; Ibach, H. J.Appl. surface science 2005 / p. 139-150

High temperature sliding wear of NiAl-based coatings reinforced by borides

Umanskyi, Oleksandr; Poliarus, Olena; Ukrainets Maksym; **Antonov, Maksim**; **Hussainova, Irina** Medziagotyra 2016 / p. 49 - 53 <https://doi.org/10.5755/j01.ms.22.1.8093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High temperature tribological properties of Al₂O₃/NCD films investigated under ambient air conditions

Podgurski, Vitali; **Yashin, Maxim**; Jõgiaas, Taivo; **Viljus, Mart**; **Alamgir, Asad**; **Danilson, Mati**; **Bogatov, Andrei** Coatings 2020 / art. 175, 13 p. : ill <https://doi.org/10.3390/coatings10020175> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-entropy (Ti_{0.4}Ta_{0.4}V_{0.4}Nb_{0.4}Cr_{0.4})AlC MAX phase synthesized by sputtering : structural, thermal, and mechanical insights

Melkonyan, S.; Zakaryan, Marieta; Grigoryan, Y.; **Hussainova, Irina**; **Aydinyan, Sofiya**; Kharatyan, Suren JTACC+V4 2025 : 4th Journal of Thermal Analysis and Calorimetry Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference : Book of Abstracts 2025 / p. 179 <https://static.akcongress.com/downloads/jtacc/jtacc2025/jtacc2025-boA.pdf>

High-temperature oxidation resistance and tribological properties of Al₂O₃/ta-C coating

Alamgir, Asad; Bogatov, Andrei; Jõgiaas, Taivo; **Viljus, Mart; Raadik, Taavi; Kübarsepp, Jakob; Sergejev, Fjodor;** Lümekmann, Andreas; Kluson, Jan; **Podgurski, Vitali** Coatings 2022 / art. 547 <https://doi.org/10.3390/coatings12040547> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrogen peroxide promoted wet oxidation of concentrated debarking process waters

Verenich, Svetlana; Roosalu, Kati; **Kallas, Juha** International Conference on Ozone in Global Water Sanitation, Amsterdam, the Netherlands, October 1st to October 3rd 2002 : proceedings 2002 / p. V-5-1 - V-5-15 : ill

Hydrolyse und Oxydation von Eisen- und Calciumsulfiden im wässrigen Medium

Elenurm, Alfred; **Mölder, Leevi;** Rohtla, Ilme Proceedings of the Estonian Academy of Sciences. Chemistry 1996 / 1/2, p. 30-41

Hydroxyl radical behavior in water treatment with gas-phase pulsed corona discharge

Ajo, Petri 2018 <http://urn.fi/URN:ISBN:978-952-335-213-1>

Improvement in iron activation ability of alachlor Fenton-like oxidation by ascorbic acid

Bolobajev, Juri; Trapido, Marina; Goi, Anna Chemical engineering journal 2015 / p. 566-574 : ill
<https://doi.org/10.1016/j.cej.2015.06.115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Industrial wastewater treatment by radical-based advanced oxidation technologies : Fenton treatment versus ferrous ion-activated persulfate process

Dulova, Niina; Kattel, Eneliis; Viisimaa, Marika; Trapido, Marina 3rd International Congress on Water, Waste and Energy Management : Rome, Italy, July 18-20, 2016 : abstracts book 2016 / p. 121-122

Influence of ferrous/ferric ions to the efficiency of aqueous photocatalytic oxidation of pollutants in groundwater

Klauser, Deniss; Portjanskaja, Elina; **Katšina, Anna; Preis, Sergei; Kallas, Juha** 3rd European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications : book of abstracts 2004 / p. 103-104

Influence of ferrous/ferric ions to the efficiency of aqueous photocatalytic oxidation of 2-ethoxy ethanol

Klauser, Deniss; **Preis, Sergei** Abstracts of the International Conference "Eco-Balt 2004" 2004 / p. 7-8

Influence of particle impact conditions and temperature on erosion–oxidation of steels at elevated temperatures

Huttunen-Saarivirta, E.; **Antonov, Maksim; Veinthal, Renno;** Tuiremo, J.; Mäkelä, K.; Siitonen, P. Wear 2011 / p. 159-175 : ill

Insights into nonylphenol degradation by UV-activated persulfate and persulfate/hydrogen peroxide systems in aqueous matrices: a comparative study

Balpreet Kaur; Kattel, Eneliis; Dulova, Niina Environmental science and pollution research 2020 / p. 22499–22510
<https://doi.org/10.1007/s11356-020-08886-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In-situ characterization of anodic oxidation layers and conductive polymers on Pt by contact electric resistance technique

Kukkonen, J.J.V.; Talo, A.; **Idla, Katrin;** Forsen, Olof 3. Elektrochemisches Grundlagensymposium in Verbindung mit dem 2. Kurt-Schwabe-Symposium, Dresden, 17 bis 19 April 1997 1997 / S. 36

Integration of ozonation and sonication with hydrogen peroxide and persulfate oxidation for polychlorinated biphenyls-contaminated soil treatment

Goi, Anna; Viisimaa, Marika Journal of environmental chemical engineering 2015 / p. 2839-2847 : ill
<https://doi.org/10.1016/j.jece.2015.09.025> [Journal metrics at Scopus](#) [Article at Scopus](#)

Intensification of low-temperature oxidation of low-density polyethylene by gas flame

Piiroja, Eduard; Lippmaa, Helle Acta Polymerica 1984 / p. 669-673 https://www.ester.ee/record=b1438570*est
<https://doi.org/10.1002/actp.1984.010351101>

Investigation of properties and reaction mechanisms of redox-active proteins by ESI MS = Redoks-aktiivsete valkude omaduste ja reaktsioonimehhanismide uurimine ESI-MS abil

Smirnova, Julia 2013 https://www.ester.ee/record=b2965120*est

A journey for the development of a highly active Pt/CeO₂ catalyst: material selections, synthesis optimization and electrical measurements for methanol oxidation and oxygen reduction

Nguyen, Huy Quí Vinh; Nerut, Jaak; Kasuk, Heili; Thomborg, Thomas; Härmä, Meelis; Härmä, R.; Koppel, Miriam; Teppor, Patrick; Külaviir, Marian; Aruväli, Jaan; **Volobujeva, Olga;** Lust, Enn GSFMT Scientific Conference 2023 : Tartu, 23-24 May, 2023 : abstracts

Jäätumisvastaste ainete fotokatalüütiline oksüdatsioon vesilahustes ja lennukikütuse ekstra[k]tides

Kritševskaja, Marina; Malõgina, Tatjana; Preis, Sergei; Kallas, Juha XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 64-65

Kas petrooleum või antifriis? Lennukikütuste jäätumisvastaste ainete fotokatalüütiline oksüdatsioon

Preis, Sergei; Kritševskaja, Marina Keskkonnatehnika 2000 / 2, lk. 27-28 https://artiklid.elnet.ee/record=b1003608*est

Kasvajarakkude pinna morfoloogilised muutused hematoporfüriini derivaadi (HPD) fotodünaamilisel toimel on seotud ATP alanemisega ja tsütoskeleti proteiinide sulfhüdrilsete rühmade oksüdatsiooniga

Tšekulajeva, Ludmilla; Ševtšuk, Igor; Tšekulajev, Vladimir XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 146-147 : ill https://www.ester.ee/record=b1761049*est

Keemilise oksüdatsiooni kasutamine pinnase töötlemisel järgneva biotaastamise parandamiseks

Trapido, Marina; Goi, Anna; Kulik, Niina XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 115-116

Kerox technology: potential of piloting the production of medium chain dicarboxylic acids from kerogen in a continuous-flow oxidation reactor

Reinaas, Maria; Kaldas, Kristiina; Muldma, Kati; Uustalu, Jaan Mihkel; Koern, Villem Ödner; Siirde, Kaarel; Silm, Estelle; Mets, Birgit; Kimm, Mariliis; Rõuk, Kristi Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 29 [Future Frontiers \(PDF\)](#)

Ketoonide asümmeetriline oksüdatsioon - uus lihtne meetod bioaktiivsete ühendite saamiseks : Eesti Teadusfondi projekt "Uued kiraalsed lähteühendid ja katalüsaatorid asümmeetrilises sünteesis", 1999-2002

Lopp, Margus Eesti Teadusfondi Aastaraamat 2002/2003 2003 / lk. 19. (Keemia ja molekulaarbioloogia)

Kinetic Modeling of Deep Oxidative Desulfurization over Functionalized UiO-66 from a Model Fuel Using Complex Reaction Theory

Barghi, Bijan; Möistlik, Tanel; Panov, Deniss; Raag, Anastassia; Järvik, Oliver; Niidu, Allan ACS Omega 2025 / p. 15947-15958 <https://doi.org/10.1021/acsomega.4c06722>

Kinetic modeling of the promoted and unpromoted wet oxidation of debarking evaporation concentrates

Verenich, Svetlana; Roosalu, Kati; Hautaniemi, Marjaana Chemical engineering journal 2005 / 1/2, p. 101-108 <https://www.sciencedirect.com/science/article/pii/S1385894705000197>

Kinetic modelling of wet oxidation treated debarking water

Kindsigo, Merit; Hautaniemi, Marjaana; Kallas, Juha Proceedings of the Estonian Academy of Sciences 2010 / 3, lk. 233-242 : ill

Kinetics and basic understanding : general discussion

Angerhofer, Alexander; Mitteleite, Sebastien; Mohamed, Sharmarke; Moores, Audrey; Mortera-Carbonell, Aldo de Jesus; Nagapudi, Karthik; Niidu, Allan; Puccetti, Francesco; Stahorsky, Martin; Vugrin, Leonarda Faraday Discussions 2023 / p. 306-340 <https://doi.org/10.1039/D2FD90082C>

Kinetics and modelling of advanced oxidation of toxic and carcinogenic aromatic compounds

Kallas, Juha; Trapido, Marina; Munter, Rein International Specialised Symposium IOA 2000 "Fundamental and Engineering Concepts for Ozone Reactor Design" : Toulouse, France, March 1-3, 2000 : proceedings 2000 / p. 79-82

Kinetics of ferrous iron oxidation in groundwater

Munter, Rein; Trapido, Marina; Veressinina, Jelena; Kamenev, Sven 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 46

3-alküül-1,2-tsüklopentaandioonide asümmeetriline oksüdatsioon

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 102-103

3-bensüül-2,4-dihüdroksütsüklopent-2-eenoonide süntees ja asümmeetriline oksüdatsioon

Oja, Karolin; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 66 : ill

3-bensüül-2-hüdroksü-2-tsüklopenteen-1-ooni süntees ja selle asümmeetriline oksüdatsioon

Jõgi, Artur; Ilves, M.; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 23-24

3-bensüül-oksümetüül-1,2-tsüklopentaandiooni süntees ja asümmeetriline oksüdatsioon

Laos, Marit; Paju, Anne; Kanger, Tõnis; Lopp, Margus; Pehk, Tõnis XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete

Koroona-impulss elektrilahendus kui õhupuhasustehnoloogia

Bolobajev, Juri 2024 / lk. 30-32 : fot https://www.ester.ee/record=b1242496*est

Ligandtailored divergence of coppercatalyzed aerobic oxidation of cyclopropanols. Application to the practical synthesis of β -Aminoketones and β -enaminones

Zavalinich, Viktoriya A.; **Elek, Gabor Zoltan**; **Vailhe, Pauline**; Novikau, Ilya; Syakhovich, Vitaly; Kirillov, Alexander M.; **Lopp, Margus**; **Masiuk, Uladzimir**; **Kananovich, Dzmitry** Advanced synthesis & catalysis 2024 / p. 4485-4496

<https://doi.org/10.1002/adsc.202400490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lipofilic wood extractives abatement from TMP circulation waters by wet oxidation

Verenich, Svetlana; Garcia Molina, V.; **Kallas, Juha** Advances in environmental research 2004 / p. 293-303

<https://www.sciencedirect.com/science/article/pii/S1093019102001041>

Low-temperature oxidation of polyethylene

Piiraja, Eduard; Dankovics, A. Mechanisms of degradation and stabilization of hydrocarbon polymers : proceedings of the 19. Prague IUPAC Microsymposium on Macromolecules held in Prague, Czechoslovakia, 9-12 July 1979 1979 / M41-1-M41-2

Low-temperature oxidation of polyethylene

Piiraja, Eduard; **Lippmaa, Helle**; **Metlitskaja, Olga**; Dankovics, A. European polymer journal 1980 / p. 641-645

<https://www.sciencedirect.com/science/article/abs/pii/0014305780901032?via%3Dihub>

Low-temperature oxidation of unstabilized low-density polyethylene

Piiraja, Eduard; **Lippmaa, Helle** Acta Polymerica 1985 / p. 196-199 https://www.ester.ee/record=b1438570*est

<https://doi.org/10.1002/actp.1985.010360404>

Mechanism of the asymmetric oxidation of cyclopentane-1,2-diones

Reile, Indrek; **Paju, Anne**; **Pehk, Tõnis**; **Lopp, Margus** Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / p. 155

Methanogenesis and metal leaching on anaerobic decomposition of graptolite argillite

Menert, Anne; Korb, Triin; Orupõld, Kaja; Teemusk, Alar; Sepp, Holar; Mander, Ülo; Ilmjärv, Tanel; Truu, Jaak; Paiste, Päärn; Kirsimäe, Kalle; Menert, Terje; **Kamenev, Inna**; Heinaru, Eeva; Heinaru, Ain; Kulli, Sirli Sipp; Kivisaar, Maia Environmental Technology and Innovation 2023 / art. 103139 <https://doi.org/10.1016/j.eti.2023.103139> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

Methods of avoiding pollution of the Baltic Sea by phenols through the Purtse River

Kallas, Juha; **Munter, Rein**; **Pikkov, Lui** Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia : abstracts 1993 / p. 28

Microbial activity during advanced oxidation of creosote oil contaminated soil

Palmroth, Marja R.T.; Aunola, Tuomo; **Goi, Anna** Abstracts in Enzymes in the Environment : Activity, Ecology and Application : Praha, Czech Republic, 2003 2003 / p. 62

Microstructure evolution and changes in mechanical properties in WC-Co composites during recycling by oxidation-reduction process and sintering

Joost, Renee; **Pirso, Jüri**; **Viljus, Mart** 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 29

Mild oxidation of substituted bicyclo[4.4.0]dec-10-en-3-one

Aav, Riina; **Kanger, Tõnis**; **Pehk, Tõnis**; **Lopp, Margus** 9th Meeting on Stereochemistry : Prague, Czech Republic, June 15-18, 2001 : book of abstracts 2001 / p. 95

https://www.researchgate.net/publication/228068775_OXIDATION_OF_SUBSTITUTED_BICYCLO440DECEN-3-ONES

Modelling advanced oxidation treatment of polycyclic aromatic hydrocarbons

Hautaniemi, Marjaana; **Kallas, Juha**; **Munter, Rein**; **Trapido, Marina**; **Veressinina, Jelena** Proceedings of the Estonian Academy of Sciences. Chemistry 1999 / p. 80-95 https://www.ester.ee/record=b1072099*est

Modelling of oxidation rocket fuel polluted groundwater

Reinik, Janek VII Nordic Symposium of Petro-physics, Akureyri, Island 2002 / ? p

Modelling of water treatment by chemical oxidation

Hautaniemi, Marjaana; **Kallas, Juha** Proceedings of 2nd Nordic Symposium on Reactive Separation Systems, Helsinki University of Technology, Otaniemi, Finland, June 6th-7th, 1996 1996 / p. 156-165

Modification of nitrifying biofilm into nitritating one by combination of increased free ammonia concentrations, lowered HRT and dissolved oxygen concentration

Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; **Menert, Anne**; Lemmiksoo, Vallo; Saluste, Anne; Tenno, Taavo; Tomingas, Martin
Journal of environmental sciences 2011 / p. 1113-1121 : ill <https://www.sciencedirect.com/science/article/pii/S1001074210605232>

Monitoring the redox cycle of low-molecular peptides using a modified target plate in MALDI-MS

Borissova, Maria; Mahlapuu, Riina; **Vaher, Merike** Talanta 2010 / p. 274-280 <https://pubmed.ncbi.nlm.nih.gov/21035675/>

New asymmetric chemical oxidation in the synthesis of chiral anti-cancer nucleoside analogues

Lopp, Margus; **Jõgi, Artur**; **Paju, Anne**; Siirde, K. European journal of pharmaceutical sciences 2007 / 1, Supplement 1, p. S5
<https://link.springer.com/article/10.1007/s00709-006-0230-y>

A new oxidation/filtration technology for groundwater treatment

Munter, Rein; Ojaste, Heldi; Sutt, Johannes Advances in Science and Engineering for Industrial Applications of Ozone and Related Oxidants : International Conference : Barcelona, Spain, March 10-12, 2004 : proceedings 2004 / p. I.2.7-1 - I.2.7-6 : ill

Novel treatment method for black liquor and biomass hydrolysate with partial wet oxidation

Muddassar, Hassan Raja; Melin, Kristian; Kuppa, Sarada; Koskinen, Jukka; Hurme, Markku; De Kokkonen, Daniela; **Kallas, Juha**
Cellulose chemistry and technology 2015 / p. 347-360 : ill [https://www.cellulosechemtechnol.ro/pdf/CCT3-4\(2015\)/p.347-360.pdf](https://www.cellulosechemtechnol.ro/pdf/CCT3-4(2015)/p.347-360.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil shale semicoke leachate pre-treatment by means of advanced oxidation

Kulik, Niina; **Trapido, Marina**; **Veressinina, Jelena**; **Munter, Rein** Wasser Berlin 2006 : International Conference Ozone and UV : Sustainable Solutions for Industry and the Environment : conference proceedings : April 3, 2006 2006 / p. 41-46 : ill
https://www.researchgate.net/publication/266067911_Oil_Shale_Semicoke_Leachate_Pre-treatment_by_means_of_Advanced_Oxidation

Oil shale semicoke leachate treatment using ozonation and the Fenton oxidation

Trapido, Marina; **Munter, Rein**; **Veressinina, Jelena**; **Kulik, Niina** Environmental technology 2006 / p. 307-315 : ill
<https://www.tandfonline.com/doi/abs/10.1080/095933332708618644>

Oksüdatsiooni stereospetsiifilisus arahhidoonhappe C-15 juures tsüklooksügenaasi katalüüsis

Valmsen, Karin; **Järving, Reet**; **Järving, Ivar**; **Samel, Nigulas** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 156

Optimisation of the ethylene glycol reduction method for the synthesis of platinum-ceria-carbon materials as catalysts for the methanol oxidation reaction

Nguyen, Huy; Nerut, Jaak; Kasuk, Heili; Härmä, Meelis; Valk, Peeter; Romann, Tavo; Koppel, Miriam; Teppor, Patrick; Aruväli, Jaan; Korjus, Ove; **Volobujeva, Olga**; Lust, Enn Journal of solid state electrochemistry 2023 / p. 313–326 : ill <https://doi.org/10.1007/s10008-022-05326-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Osoon, UV-kiirgus ja süvaoksüdatsioon - lahendusi tänapäeva aktuaalsetele keskkonnaprobleemidele

Munter, Rein Keskkonnatehnika 2011 / 5, lk. 14-15 : fot https://artiklid.elnet.ee/record=b2426038*est

Osooni mõju atsetooniauru fotokatalüütilisele oksüdeerimisele

Kask, Maarja; **Bolobajev, Juri**; **Kritševskaja, Marina** XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 17

Osoonimine ja täiustatud oksüdatsiooni protsessid - 21. sajandi veepuhastustehnoloogia

Munter, Rein; **Kallas, Juha**; **Preis, Sergei**; **Trapido, Marina** Eesti Vabariigi teaduspreemiad 2001 2001 / lk. 36-44

Osoonimine ja täiustatud oksüdatsiooni protsessid - 21. sajandi veepuhastustehnoloogia : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööle

Munter, Rein Tallinna Tehnikaülikooli aastaraamat 2000 2001 / lk. 149-153

Ozonation and advanced oxidation - a novel technology for water and wastewater treatment

Goi, Anna; **Trapido, Marina**; **Munter, Rein**; **Veressinina, Jelena**; Dello, Anna First Baltic Symposium on Environmental Chemistry : 26-29 September 2001, Tartu, Estonia : abstracts 2001 / p. 63-64

Ozonation and advanced oxidation for degradation of phenols and phenols containing wastewater

Trapido, Marina; **Munter, Rein**; **Veressinina, Jelena**; **Goi, Anna** EcoBalt '2000 : starptautiska konference = international conference : Riga, 2000. gada 26.-27. maija. I 2000 / p. I-36 - I-41 : ill

Ozonation and advanced oxidation of polycyclic aromatic hydrocarbons - mathematical modelling

Hautaniemi, Marjaana; **Kallas, Juha**; **Munter, Rein**; **Trapido, Marina**; **Veressinina, Jelena** 1997

Ozonation and advanced oxidation processes (AOP) for destruction of polyaromatic hydrocarbons and substituted

phenols

Trapido, Marina; **Veressinina, Jelena**; **Munter, Rein** International Workshop on Pollution Prevention and Waste Minimization, 23-24 May, 1995, Lappeenranta, Finland 1995 / p. 38-40

Ozonation and advanced oxidation processes of polycyclic aromatic hydrocarbons - mathematical modelling

Kallas, Juha; Hautaniemi, Marjaana; **Munter, Rein**; Trapido, Marina; **Veressinina, Jelena** Regional Conference on Ozone, Ultraviolet Light, Advanced Oxidation Processes in Water Treatment, Amsterdam, Netherlands, 24-26 September 1996 1996 / p. 395-409: ill

Ozonation and advanced oxidation processes of polycyclic aromatic hydrocarbons in aqueous solutions : a kinetic study

Trapido, Marina; **Veressinina, Jelena**; **Munter, Rein** Environmental technology 1995 / p. 729-740: ill

Ozonation and ultrasound-assisted advanced oxidation processes for degradation of polychlorinated biphenyls in soil

Viisimaa, Marika; **Bolobajev, Juri**; Trapido, Marina; **Goi, Anna** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p

Ozonation and ultrasoundassisted advanced oxidation processes for degradation of polychlorinated biphenyls in soil

Viisimaa, Marika; **Bolobajev, Juri**; **Goi, Anna** Ozone and related oxidants in : safe water along its cycle : April 23–24, 2013, Berlin, Germany 2013 / p. 3.1-1 - 3.1-7

Ozonation and wet oxidation in the treatment of thermomechanical pulp (TMP) circulation waters

Laari, A.; Korhonen, Susanna; Tuhkanen, Tuula; Verenich, Svetlana; **Kallas, Juha** Water science and technology 1999 / 11/12, p. 51-58

Ozonation and wet oxidation in the treatment of TMP circulation waters

Laari, Arto; Korhonen, Susanna; Tuhkanen, Tuula; **Kallas, Juha** The 6th IAWQ Symposium on Forest Industry Wastewaters, June 6-10, 1999, Tampere, Finland : final programme and symposium pre-prints 1999 / p. 69-76: ill
<https://www.sciencedirect.com/science/article/abs/pii/S0273122399007003>

Ozone, hydrogen peroxide and persulfate combined application for chemical oxidation of polychlorinated biphenyls in contaminated soil

Viisimaa, Marika; **Goi, Anna** 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management" : May 15-17, 2012, Cesme-Izmir, Turkey : proceedings book. Volume I 2012 / p. 387-392 : ill

Ozone-assisted degradation of 2-methoxyethanol in a prototype plug flow photocatalytic reactor

Altof, Kristen; **Krichevskaya, Marina**; **Preis, Sergei**; **Tähemaa, Toivo**; **Bolobajev, Juri** Chemical engineering journal 2024 / art. 148488 <https://doi.org/10.1016/j.cej.2023.148488> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ozone-based advance oxidation processes [Electronic resource]

Trapido, Marina Encyclopedia of life support systems (EOLSS). Chapter 6.192 2008

Otsene beeta-hüdrosüketoonide asümmeetriline alfa-hüdrosüleerimine

Lopp, Margus; **Paju, Anne**; **Kanger, Tõnis**; **Pehk, Tõnis** XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 70

Oxidation and destruction of polyethylene

Piiraja, Eduard 1993 http://www.ester.ee/record=b1065021*est

Oxidation by-products in photocatalytical treatment of phenols and aromatic aminocompounds

Preis, Sergei; **Kritševskaja, Marina**; **Terentjeva, Jelena**; **Kallas, Juha** The 1998 European Workshop on Water and Air Treatment by Advanced Oxidation Technologies : Innovative and Commercial Applications, EPFL, Lausanne, Switzerland, October 11-14, 1998 : abstracts 1998 / p. 72

Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density

Tikker, Priit; Kornev, Iakov; **Preis, Sergei** Journal of electrostatics 2020 / art. 103466, 5 p. : ill
<https://doi.org/10.1016/j.elstat.2020.103466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation energy efficiency in water treatment with gas-phase pulsed corona discharge as a function of spray density : [conference paper]

Tikker, Priit; Kornev, Iakov; **Preis, Sergei** GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 83
<http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Oxidation of 3-alkyl-1,2-cyclopentanediones : synthesis of lactone acids and spirodilactones

Lopp, Margus; **Paju, Anne**; **Kanger, Tõnis**; **Pehk, Tõnis** 13th European Symposium on Organic Chemistry : September 10-15, 2003, Cavtat-Dubrovnik, Croatia : programme and abstracts 2003 / p. 101

Oxidation of airborne m-Xylene in pulsed corona discharge: Impact of water sprinkling

Altöf, Kristen; Krichevskaya, Marina; Preis, Sergei; Bolobajev, Juri ChemEngineering 2024 / art. 99

<https://doi.org/10.3390/chemengineering8050099> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of aqueous bisphenols A and S by pulsed corona discharge : impacts of process control parameters and oxidation products identification : [conference paper]

Tikker, Priit; Nikitin, Dmitri; Preis, Sergei MonGOS International Conference Water and Sewage in the Circular Economy Model : abstract book 2022 / p. 69 <https://www.researchgate.net/publication/362102748>

Oxidation of aqueous corticosteroid dexamethasone with pulsed corona discharge

Onga, Liina; Kattel-Salusoo, Eneliis; Trapido, Marina; Preis, Sergei GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / P 20 https://fmtdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Oxidation of aqueous N-nitrosodiethylamine: experimental comparison of pulsed corona discharge with H2O2-assisted ozonation

Kask, Maarja; Kritševskaja, Marina; Preis, Sergei; Bolobajev, Juri Journal of environmental chemical engineering 2021 / art. 105102 <https://doi.org/10.1016/j.jece.2021.105102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of aqueous organic molecules in gas-phase pulsed corona discharge : impact of operation parameters = Orgaaniliste molekulide oksüdeerimine gaasifaasilise koroona-impulss elektrilahendusega : töörežiimi parameetrite mõju

Onga, Liina 2022 <https://doi.org/10.23658/taltech.26/2022> <https://digikogu.taltech.ee/et/Item/3cbfe919-6281-4331-8fcb-d4dbb0de1b4c> https://www.ester.ee/record=b5499812*est

Oxidation of aqueous pharmaceuticals with persulfate activated by non-thermal plasma

Nikitin, Dmitri; Kattel-Salusoo, Eneliis; Preis, Sergei; Dulova, Niina Journal of international scientific publications : ecology & safety 2023 / p. 58–66 <https://www.scientific-publications.net/en/article/1002624/>

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](#)

Oxidation of C18 hydroxylpolyunsaturated fatty acids to epoxide or ketone by catalase-related hemoproteins activated with iododibenzene

Teder, Tarvi; Boeglin, William E.; Brash, Alan R. Lipids 2017 / p. 587-597 : ill <https://doi.org/10.1007/s11745-017-4271-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of cyclobutanones with the modified Sharpless catalyst

Kanger, Tõnis; Kriis, Kadri; Paju, Anne; Pehk, Tõnis; Lopp, Margus OMCOS 9 : 9th IUPAC Symposium on Organometallic Chemistry, directed towards organic synthesis : final program 1997 / p. 362

Oxidation of cyclobutanones with the modified Sharpless catalyst

Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 62

Oxidation of cyclobutanones with the modified sharpless catalyst. 2, Effect of chiral ligand

Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 32

Oxidation of cyclopentane-1,2-dione: a study with 18O labeled reagents

Reile, Indrek; Paju, Anne; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Tetrahedron 2011 / p. 5942-5948

Oxidation of cyclopentanediones

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 53

Oxidation of cyclopentanediones

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus 11th European Symposium on Organic Chemistry : Göteborg, Sweden, July 23-28, 1999 : programme and abstracts 1999 / p. P102

Oxidation of Methionine-35 in Alzheimer's amyloid-beta peptide and the aggregation of the oxidized peptide

Friedemann, Merlin; Helk, Eneken; Tiiman, Ann; Zovo, Kairit; Palumaa, Peep; Tõugu, Vello SpringerPlus 2015 / p. 20, P13 <http://dx.doi.org/10.1186/2193-1801-4-S1-P13>

Oxidation of organic compounds in waste water with ozone and hydrogen peroxide

Maripuu, Lea Proceedings of the Estonian Academy of Sciences. Chemistry 1995 / 2/3, p. 201-206: ill

Oxidation of pharmaceuticals in urine by pulsed corona discharge

Petrošenko, Irina; Dulova, Niina; Preis, Sergei EAAOP-7 : The 7th International Conference on Environmental Applications of Advanced Oxidation Processes 2025 : Programme Booklet 2025 / p. 398-399 <https://www.eaaop7.it/>

Oxidation of phenolic compounds in aqueous solutions

Preis, Sergei; Terentjeva, Jelena 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 121

Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement

Onga, Liina; Kornev, Iakov; Preis, Sergei Journal of electrostatics 2020 / art. 103420, 5 p. : ill

<https://doi.org/10.1016/j.elstat.2020.103420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of reactive azo-dyes with pulsed corona discharge : surface reaction enhancement : [conference paper]

Onga, Liina; Kornev, Iakov; Preis, Sergei GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 68

<http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Oxidation of spark plasma sintered ZrC-Mo and ZrC-TiC composites

Yung, Der-Liang; Maaten, Birgit; Antonov, Maksim; Hussainova, Irina International journal of refractory metals and hard materials

2017 / p. 244-251 : ill <https://doi.org/10.1016/j.jirmhm.2017.03.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation of substituted bicyclo[4.4.0]decen-3-ones

Aav, Riina; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p.

138-146 https://artiklid.elnet.ee/record=b1007942*est

Oxidation of substituted cyclopentane-1,2-diones = Asendatud tsüklopentaan-1,2-dioonide oksüdeerimine

Oja, Karolin 2018 <https://digi.lib.ttu.ee/i/?9923> https://www.ester.ee/record=b5050061*est

Oxidation of ubiquitous aqueous pharmaceuticals with pulsed corona discharge

Derevshchikov, Vladimir; Dulova, Niina; Preis, Sergei Journal of electrostatics 2021 / art. 103567, 9 p.: ill

<https://doi.org/10.1016/j.elstat.2021.103567> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oxidation products of free polyunsaturated fatty acids in wheat varieties

Levandi, Tuuli; Püssa, Tõnu; Vaher, Merike; Toomik, Peeter; Kaljurand, Mihkel European journal of lipid science and technology

2009 / 7, p. 715-722 : ill

https://www.researchgate.net/publication/230008245_Oxidation_products_of_free_polyunsaturated_fatty_acids_in_wheat_varieties

Oxidation resistance of titanium and chromium carbide-base cermets

Pirso, Jüri; Kübarsepp, Jakob Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 1, p. 4-13: ill

Oxidation-abrasion of TiC-based cermets in SiC medium

Antonov, Maksim; Hussainova, Irina; Kübarsepp, Jakob; Traksmäa, Rainer Wear 2011 / p. 23-31 : ill

Oxidative degradation of levofloxacin in aqueous solution by S2O82-/Fe2+, S2O82-/H2O2 and S2O82-/OH- processes : a comparative study

Epold, Irina; Dulova, Niina Journal of environmental chemical engineering 2015 / p. 1207-1214 : ill

<https://doi.org/10.1016/j.jece.2015.04.019> [Journal metrics at Scopus](#) [Article at Scopus](#)

Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones : synthesis of 4-hydroxy-[??]-lactone acids and spiro-[??]-dilactones

Paju, Anne; Kanger, Tõnis; Niitsoo, Olivia; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Komppa Centenary

Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A73

Oxidative ring-cleavage reactions of cyclopropanols and their application for the synthesis of bioactive cyclopeptides = Tsüklopropanoolide oksüdeerivad tsükliavamisreaktsioonid ja nende rakendus bioaktiivsete tsüklopeptiidide sünteesil

Elek, Gabor Zoltan 2020 <https://digikogu.taltech.ee/et/Item/969fcb0-1eb5-491e-9f23-5d6040090e0b>

Oxidative treatment of phenolic wastewater disposed into the Gulf of Finland from oil shale processing industry in Estonia

Kamenev, Sven; Preis, Sergei The Baltic Sea and Its Environment : ESTO-96 Twin Symposium, August 6 and 9, 1996, Stockholm-Tallinn 1997 / p. 73-74

Paberitööstuse reovee puhastamine kombineeritud protsessiga - aeroobne biooksüdatsioon koos retsirkuleeriva vee osoneerimisega

Kamenev, Inna; Vaks, Ursula; Roosalu, Kati; Kallas, Juha XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 39-40

Parameter estimation and sensitivity analysis of lumped kinetic models for wet oxidation of concentrated wastewaters

Verenich, Svetlana; Laari, Arto; **Kallas, Juha** Industrial and engineering chemistry research 2003 / 21, p. 5091-5098 : ill
<https://pubs.acs.org/doi/10.1021/ie030134w>

p-asendatud 3-fenüül-2-hüdroksü-2-tsüklopenteen-1-ooni derivaatide süntees ja nende asümmeetriline oksüdatsioon

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 21-22

Passivation and anodic oxidation of duplex TiN coatings on stainless steel

Rudenja, Sergei; Pan, J.; Odneval Wallinder, Inger; Leygraf, C.; Kulu, Priit Journal of The Electrochemical Society 1999 / p. 4082-4086 https://www.researchgate.net/publication/234857934_Passivation_and_Anodic_Oxidation_of_Duplex_TiN_Coating_on_Stainless_Steel

Periodate oxidation of microbial polysaccharides for immobilization of medicinal enzymes

Vina, I.; Karsakevich, A.; Bekers, M. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 168

Peroxygen compounds and new integrated processes for chlorinated hydrocarbons degradation in contaminated soil = Peroksü-ühendite ja uute integreeritud protsesside kasutamine kloorisüivesinike lagundamiseks saastatud pinnases

Viisimaa, Marika 2014

Petrography and geochemistry of carbonate rocks of the Paleoproterozoic Zaonega Formation, Russia: Documentation of 13C-depleted non-primary calcite

Črne, A. E.; Melezhik, Victor A.; **Lepland, Aivo**; Fallick, Anthony Edward; Prave, Anthony R.; Brasier, A.T. Precambrian research 2014 / p. 79-93 : ill <https://doi.org/10.1016/j.precamres.2013.10.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

pH and oxidation by-products in photocatalytical treatment

Preis, Sergei; Kritševskaja, Marina; Terentjeva, Jelena 13th International Congress of Chemical and Process Engineering : CHISA'98 : 23-28 August 1998, Praha, Czech Republic. Summaries 1, 2nd Symposium on Environmental and Safety Engineering 1998 / p. 21

ph influence on oxidation by-products in photocatalytical treatment

Preis, Sergei; Kritševskaja, Marina; Terentjeva, Jelena 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 58

Phase and microstructure evolution patterns at combustion synthesis of high-entropy M2AlC (M=Ti/Ta/V/Nb/Cr) MAX phase

Melkonyan, Syuzanna; Zakaryan, Marieta; Grigoryan, Yeva; Kharatyan, Suren; **Hussainova, Irina**; Chabanaïs, Florian; Shamshirgar, Ali Saffar; Persson, Per O. A.; Rosen, Johanna; **Aydinyan, Sofiya** Journal of materials research and technology 2025 / p. 5800-5807
<https://doi.org/10.1016/j.jmrt.2025.10.186>

Photocatalytic oxidation of 1,1-dimethyl hydrazine vapours on TiO2 : FTIR in situ studies

Kolinko, P.A.; Kozlov, D.V.; Vorontsov, A.V.; **Preis, Sergei** Catalysis today 2007 / 1/2, p. 178-185
<https://www.sciencedirect.com/science/article/abs/pii/S0920586107000557>

Photocatalytic oxidation of aromatic aminocompounds in aqueous solutions and groundwater from abandoned military bases

Preis, Sergei; Kritševskaja, Marina; Hartšenko, Anna Water science and technology 1997 / p. 265-272 : ill
[https://doi.org/10.1016/S0273-1223\(97\)00034-6](https://doi.org/10.1016/S0273-1223(97)00034-6)

Photocatalytic oxidation of fuel oxygenated additives in aqueous solutions

Kritševskaja, Marina; Katšina, Anna; Malõgina, Tatjana; Preis, Sergei; Kallas, Juha International journal of photoenergy 2003 / 2, p. 81-86

Photocatalytic oxidation of fuel oxygenated additives in aqueous solutions

Kritševskaja, Marina; Katšina, Anna; Malõgina, Tatjana; Preis, Sergei; Kallas, Juha International Conference on Ozone in Global Water Sanitation, Amsterdam, the Netherlands, October 1st to October 3rd 2002 : proceedings 2002 / p. V-3-1

Photocatalytic oxidation of fuel oxygenated additives in aqueous solutions

Kritševskaja, Marina; Katšina, Anna; Malõgina, Tatjana; Preis, Sergei; Kallas, Juha International Conference EcoBalt'2002, Riga, June 7-8, 2002 2002 / p. 14-15

Photocatalytic oxidation of fuel oxygenated additives in aqueous solutions

Kritševskaja, Marina; Katšina, Anna; Malõgina, Tatjana; Preis, Sergei; Kallas, Juha 2[nd] European Meeting on: "Solar-Chemistry and Photocatalysis : Environmental Applications", Saint-Avoid (France), May 29-31, 2002 : book of abstracts 2002 / p. O38

Photocatalytic oxidation of humic substances with TiO₂ attached to the hollow glass micro-spheres

Portjanskaja, Elina; **Kritševskaja, Marina; Preis, Sergei** Abstracts of the International Conference "Eco-Balt 2004" 2004 / p. 5-6

Photocatalytic oxidation of humic substances with TiO₂-coated glass micro-spheres

Portjanskaja, Elina; **Kritševskaja, Marina; Preis, Sergei; Kallas, Juha** Environmental chemistry letters 2004 / 3, p. 123-127

Photocatalytic oxidation of natural polymers in aqueous solutions = Looduslike polümeeride fotokatalüütiline oksüdatsioon vesilahustes

Portjanskaja, Elina 2009 https://www.ester.ee/record=b2491725*est

Photocatalytic oxidation of organic pollutants in aqueous and gaseous phases

Kritševskaja, Marina; Preis, Sergei 2003 https://www.ester.ee/record=b1782241*est

Photocatalytic oxidation of phenolic compounds in wastewater from oil shale treatment

Preis, Sergei; Terentjeva, Jelena; Rožkov, Aleksei Water science and technology 1997 / 4, p. 165-174

<https://www.sciencedirect.com/science/article/abs/pii/S0273122397883941>

Photocatalytic oxidation of VX-simulation substance

Kozlova, E.; Vorontsov, A.; Rima, G.; Lion, C.; **Preis, Sergei** Water science and technology 2007 / 12, p. 133-138

<https://iwaponline.com/wst/article-abstract/55/12/133/14264/Photocatalytic-oxidation-of-VX-simulation?redirectedFrom=fulltext>

Photocatalytical oxidation of aromatic aminocompounds in aquatic solutions and groundwater from abandoned military base

Preis, Sergei; Kritševskaja, Marina; Hartšenko, Anna International Conference - Oxidation Technologies for Water and Wastewater Treatment / Clausthaler Umwelttechnik-Institut GmbH 1996 / [9] p.: ill

Photocatalytical oxidation of aromatic aminocompounds in aqueous solutions and groundwater from abandoned military base

Preis, Sergei; Kritševskaja, Marina; Hartšenko, Anna 12th International Congress of Chemical and Process Engineering : CHISA'96, Praha, Czech Republic, 25-30 August 1996 : summaries. 1, Symposium on Environmental and Safety Engineering 1996 / p. 18

Photocatalytical oxidation of phenolic compounds in wastewater from oil shale treatment

Preis, Sergei; Terentjeva, Jelena; Rožkov, Aleksei International Conference - Oxidation Technologies for Water and Wastewater Treatment / Clausthaler Umwelttechnik-Institut GmbH 1996 / [20] p.: ill

Photocatalytical oxidation of phenolic compounds in wastewater treatment

Preis, Sergei Proceedings of the World Environmental Congress : London, Ontario, Canada, September 17-22, 1995 1995 / p. 277-278

Photocatalytical oxidation of phenolic compounds in wastewater treatment

Preis, Sergei; Kallas, Juha International Workshop on Pollution Prevention and Waste Minimization, 23-24 May, 1995, Lappeenranta, Finland 1995 / p. 43-45: ill

Photochemical degradation of nonylphenol in aqueous solution : the impact of pH and hydroxyl radical promoters

Dulov, Aleksandr; Dulova, Niina; Trapido, Marina Journal of environmental sciences 2013 / 1326-1330 : ill

[https://doi.org/10.1016/S1001-0742\(12\)60205-8](https://doi.org/10.1016/S1001-0742(12)60205-8) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photochemical oxidation of ceftriaxone by magnetite-activated persulfate [Online resource]

Tikker, Priit; Kattel, Eneliis; Dulova, Niina Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p <http://fntdk.ut.ee/teesid-2019/>

Pinnase töötlemine täiustatud oksüdatsiooniprotsessidega polütsükliiliste aromaatsete süsivesinike kõrvaldamiseks

Ianova, Olga; **Goi, Anna; Trapido, Marina** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 26-27

Polüetüleenide oksüdatsioon ja destruktsioon : väitekiri on esitatud Tallinna Tehnikaülikooli tehnikadoktori kraadi taotlemiseks

Piiraja, Eduard 1993 http://www.ester.ee/record=b2676859*est

Polüetüleenide pinna oksüdatsiooni uurimine

Pajula, S.; Sikk, T.; Piiraja, Eduard XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 94 https://www.ester.ee/record=b2449987*est

Polychlorinated biphenyls-containing electrical insulating oil contaminated soil treatment with calcium and magnesium

peroxides

Goi, Anna; Viisimaa, Marika; Trapido, Marina; Munter, Rein Chemosphere 2011 / p. 1196-1201 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0045653510013603>

Post-treatment of pulp and industry wastewaters using oxidation and adsorption processes

Kallas, Juha; Munter, Rein Water science technology 1994 / 5/6, p. 259-272: ill

Posttreatment of pulp and paper industry wastewaters using oxidation and adsorption processes

Munter, Rein; Kallas, Juha Proceedings of the 4-th TAWO Symposium on Forest Industry Wastewaters, June 8-11, 1993, Tampere, Finland 1993 / p. 15-16

Potential of electric discharge plasma methods in abatement of volatile organic compounds originating from food industry

Preis, Sergei; Klauson, Deniss; Gregor, Andre Journal of environmental management 2013 / p. 125-138

<https://doi.org/10.1016/j.jenvman.2012.10.042> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Potential of producing medium chain dicarboxylic acids from kerogen in kukersite in a continuous-flow oxidation reactor

Reinaas, Maria; Kaldas, Kristiina; Muldma, Kati; Uustalu, Jaan Mihkel; Koern, Villem Ödner; Siirde, Kaarel; Silm, Estelle; Mets, Birgit; Kimm, Mariliis; Rõuk, Kristi ISCRE 28 Abstracts 2024 / 2 p https://www.iscre28.org/abstracts/abstract_587_517_1.pdf

Practical applications of a systematic approach to the chemical abatement of pollutants in water and air

Preis, Sergei 2002 https://www.ester.ee/record=b1740069*est

Prügilavee puhastamine bioloogilise ja keemilise oksüdatsiooni protsessidega

Roosalu, Kati; Kamenev, Inna; Kuusik, Aare; Loigu, Enn XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 70

Pulsed corona discharge : the role of ozone and hydroxyl radical in aqueous pollutants oxidation

Preis, Sergei; Panorel, I.; Kornev, I.; Hatakka, Henry; Kallas, Juha Water science & technology Water science and technology 2013 / p. 1536–1542 <https://doi.org/10.2166/wst.2013.399>

Pulsed corona discharge for improving treatability of coking wastewater

Liu, Ming; Preis, Sergei; Kornev, Iakov; Hu, Yun; Wei, Chao-Hai Journal of environmental sciences 2018 / p. 306-316 : ill
<https://doi.org/10.1016/j.jes.2017.07.003>

Purification of phenolic wastewater using aerobic bio-oxidation combined with activated carbon treatment and ozonation

Järvik, Oliver; Kamenev, Inna; Viioja, Andres; Kallas, Juha Ozone : science & engineering 2010 / 6, p. 417-423 : ill

Purification of phenolic wastewater using aerobic bio-oxidation combined with activated carbon treatment and ozonation

Järvik, Oliver; Kamenev, Inna; Viioja, Andres; Kallas, Juha Ozone & Related Oxidants in : Advanced Treatment of Water for Human Health and Environment Protection : IOA International Conference Brussels, Belgium, May 15-16, 2008 2008 / p. 1.2-1 - 1.2-10

Purification of pulp and paper mill wastewater - aerobic bio-oxidation with ozonation in re-circulation system

Kamenev, Inna; Roosalu, Kati; Vaks, Ursula; Viioja, Andres; Kallas, Juha International Conference on Ozone in Global Water Sanitation, Amsterdam, the Netherlands, October 1st to October 3rd 2002 : proceedings 2002 / p. IV-6-1 - IV-6-18 : ill

Põhjavett saastavate ainete fotokatalüütiline oksüdatsioon

Klauson, Deniss; Portjanskaja, Elina; Katšina, Anna; Kritševskaja, Marina; Preis, Sergei; Kallas, Juha Keskkonnatehnika 2006 / 3, lk. 15-17 https://artiklid.elnet.ee/record=b1019081*est

Põlevkivi kerogeeni hapendamisest = On the Oxidation of the Kerogen of the Estonian Oil Shale

Pervik, Johannes-Eduard 1938

Quantitative electrospray ionization mass spectrometry of zinc finger oxidation : the reaction of XPA zinc finger with H₂O₂

Smirnova, Julia; Zhukova, Liliya; Palumaa, Peep Analytical biochemistry 2007 / 2, p. 226-231 : ill

Raman spectroscopy of multilayered AlCrN coating under high temperature sliding/oxidation

Baroninš, Janis; Antonov, Maksim; Bereznev, Sergei; Raadik, Taavi; Hussainova, Irina Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 9-14 <https://www.scientific.net/KEM.799.9> https://www.ester.ee/record=b5235278*est
<https://doi.org/10.4028/www.scientific.net/KEM.799.9> Conference proceeding at Scopus Article at Scopus

Rapid start- up of autotrophic nitrogen removal process after inoculation with microorganisms from yeast factory

anaerobic tank

Zekker, Ivar; Kroon, Kristel; **Pitk, Peep; Looits, Liis** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p. : ill

Reactivities of American, Chinese and Estonian oil shale semi-cokes and Argonne premium coal chars under oxy-fuel combustion conditions

Culin, Chris; Tente, Kevin; **Konist, Alar; Maaten, Birgit; Loo, Lauri** Oil shale 2019 / p. 353-369 : ill http://www.kirj.ee/32526/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/oil.2019.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reactivity of aliphatic dicarboxylic acids in wet air oxidation conditions

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus Industrial & engineering chemistry research 2019 / p. 10855–10863 : ill <https://doi.org/10.1021/acs.iecr.9b01643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reactivity of the biomass chars originating from reed, douglas fir, and pine

Link, Siim; Arvelakis, Stelios; Hupa, Mikko; Yrjas, Patrik; **Külaots, Indrek; Paist, Aadu** Energy & fuels 2010 / 12, p. 6533-6539 <https://pubs.acs.org/doi/abs/10.1021/ef100926v>

Recycling of hardmetal scrap to WC-Co powder by oxidation-reduction process

Joost, Renee; Pirso, Jüri; Viljus, Mart Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 449-454 : ill https://www.researchgate.net/publication/289593153_Recycling_of_hardmetal_scrap_to_wc-co_powder_by_oxidationreduction_process

Recycling of WC-Co hardmetals by oxidation and carbothermal reduction in combination with reactive sintering

Joost, Renee; Pirso, Jüri; Viljus, Mart; Letunovitš, Sergei; Juhani, Kristjan Estonian journal of engineering 2012 / p. 127-139 : ill

Redox-specialized bacterioplankton metacommunity in a temperate estuary

Laas, Peeter; Simm, Jaak; Lips, Inga; Lips, Urmas; Kisand, Veljo; Metsis, Madis PLoS ONE 2015 / art. e0122304 <https://doi.org/10.1371/journal.pone.0122304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Removal of radionuclides from Estonian groundwater using aeration, oxidation, and filtration

Lumiste, Liie; **Munter, Rein**; Sutt, Johannes; Kivimäe, Tiit; Eensalu, Toivo Proceedings of the Estonian Academy of Sciences 2012 / p. 58-64 : ill

Reovee puhastamine aeroobse biooksidatsiooniga kombineeritult aktiivsöetöötusega ja osoonimisega

Järvik, Oliver; Kamenev, Inna; Kallas, Juha XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 25-26

Research of specific nitrite oxidation rate on high surfaced biofilms carriers with free ammonia and temperature variations

Zekker, Ivar; Tenno, Toomas; Tenno, Taavo; Lemmiksoo, Vallo; Rikmann, Ergo; **Menert, Anne**; Kolberg, K. 3rd EuCheMS Chemistry Congress : Chemistry - the Creative Force : 29.08.-02.09.2010, Nürnberg, Germany : [abstracts] 2010 / [1] p <https://www.etis.ee/Portal/Publications/Display/e183db0e-18fc-43e3-9bab-bdc76c638e92>

Response to the comment on "Wet oxidation lumped kinetic model for wastewater organic burden biodegradability prediction"

Verenich, Svetlana; **Kallas, Juha** Environmental science and technology 2003 / 6, p. 1227

Reuse of ferric sludge as an iron source for the Fenton-based process in wastewater treatment

Bolobajev, Juri; Kattel, Eneliis; Viisimaa, Marika; Goi, Anna; Trapido, Marina; Tenno, Taavo; **Dulova, Niina** Chemical engineering journal 2014 / p. 8-13 : ill <https://doi.org/10.1016/j.cej.2014.06.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective photocatalytic oxidation of steroid estrogens in presence of saccharose and ethanol as co-pollutants

Karpova, Tatjana; **Preis, Sergei; Kallas, Juha**; Barros Torres, Adelia Luciana Environmental chemistry letters 2007 / 4, p. 219-224

Selective photocatalytic oxidation of steroid estrogens in the presence of copollutants in the sanitary fraction of domestic sewage

Karpova, Tatjana; **Preis, Sergei; Kallas, Juha** International journal of photoenergy 2007 / [8] p

Selective photocatalytic oxidation of steroid estrogens in water treatment : urea as co-pollutant

Karpova, Tatjana; **Preis, Sergei; Kallas, Juha** Journal of hazardous materials 2007 / 3, p. 465-471 : ill

SO2 binding into the solid phase at thermooxidation of blends based on Estonian oil shale semicoke

Kaljuvee, Tiit; Kuusik, Rein; keemik; Triikkel, Andres ESTAC 8 : 8th European Symposium on Thermal Analysis and Calorimetry, Barcelona, Spain, August 25-29, 2002 : abstracts book 2002 / p. 26

SO₂ binding into the solid phase during thermooxidation of blends : Estonian oil shale semicoke

Kaljuvee, Tiit; Kuusik, Rein, keemik; Triikkel, Andres Journal of thermal analysis and calorimetry 2003 / 1/2, ESTAC 8 : proceedings of the 8th European Symposium on Thermal Analysis and Calorimetry : Barcelona, Spain, August 25-29, 2002. Volume 1. ISBN 963-05-8043-8. p. 393-404 : ill <https://link.springer.com/article/10.1023/A:1023973231597>

Sonolytic degradation of pesticide metazachlor in water : The role of dissolved oxygen and ferric sludge in the process intensification

Kask, Maarja; Kritševskaja, Marina; Bolobajev, Juri Journal of environmental chemical engineering 2019 / art. 103095, 7 p. : ill <https://doi.org/10.1016/j.jece.2019.103095> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Specific nitrite oxidation rate on high surfaced biofilm carriers dependent on free ammonia and temperature

Zekker, Ivar; Tenno, Toomas; Tenno, Taavo; Lemmiksoo, Vallo; Rikmann, Ergo; Menert, Anne; Kolberg, K.; Tomingas, Martin; Kroon, K.; Vabamäe, Priit 2nd Workshop on Bacterial and Fungal Biofilms : Ghent University Center for Sociomicrobiology, 22 September 2011 2011 <https://www.etis.ee/Portal/Publications/Display/33df8771-46e4-46c6-a2da-dbd4efb91a17>

Strain relaxation mechanism in the Si-SiO₂ system and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Öpik, Andres; Lott, Kalju; Volobujeva, Olga; Kämer, T.; Heinmaa, I.; Laas, Tõnu; Medvid, A. Physica B : condensed matter 2009 / 23/24, p. 5153-5155 : ill

Strain relaxation mechanism in the Si-SiO₂ system and its influence on the interface properties

Kropman, Daniel; Mellikov, Enn; Öpik, Andres; Lott, Kalju; Volobujeva, Olga; Kämer, T.; Heinmaa, I.; Laas, Tõnu; Medvid, A. Radiation Interaction with Materials and its use in Technologies : Kaunas, 24-27.09.2008 2008 / p. 204-207 <https://www.sciencedirect.com/science/article/pii/S0921452609010321>

Structural consideration of kukersite from air oxidation

Kaldas, Kristiina; Uustalu, Jaan Mihkel; Niidu, Allan; Muldma, Kati; Preegel, Gert; Lopp, Margus GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / O 20

Study of phase transitions within alumina grown on top of CoAl(100) surface

Podgurski, Vitali; Rose, V.; Costina, Ioan; Francy, R. Surface science 2007 / 16, p. 3315-3323 : ill <https://www.sciencedirect.com/science/article/pii/S0039602807006371>

A study of primary oxidation products of free polyunsaturated fatty acids in wheat varieties

Vaher, Merike; Levandi, Tuuli; Püssa, Tõnu; Toomik, Peeter; Kaljurand, Mihkel Proceedings of World Congress on Oils and Fats & 28th ISF Congress : Sydney, Australia, 27-30 September 2009 / ? p

Stüreeni fotokatalüütiline oksüdatsioon gaasifaasis

Kritševskaja, Marina; Preis, Sergei XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 64

Sulfametisooli fotokatalüütiline oksüdatsioon vesifaasis

Klauson, Deniss; Kritševskaja, Marina; Borissova, Maria; Preis, Sergei XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 44

Sulfate-dependent anaerobic ammonium oxidation in baker's yeast wastewater

Rikmann, Ergo; Menert, Anne; Blonskaja, Viktoria; Kurisoo, Tõnu; Zub, Sergei; Tenno, Toomas Book of abstracts of the 7th International Conference ORBIT 2010 : Organic Resources in the Carbon Economy : 29th June to 3rd July 2010 Heraklion Crete, Greece 2010 / p. 204 <https://www.sei.org/publications/sulfate-dependent-anaerobic-ammonium-oxidation-bakers-yeast-wastewater/>

Sulfate-reducing anaerobic ammonium oxidation as a potential treatment method for high nitrogen-content wastewater

Rikmann, Ergo; Zekker, Ivar; Tomingas, Martin; Tenno, Taavo; Menert, Anne; Looits, Liis; Tenno, Toomas Biodegradation 2012 / p. 509-524 : ill https://www.researchgate.net/publication/348845233_Sulfate-reducing_anaerobic_ammonium_oxidation_as_a_potential_treatment_method_for_high_nitrogen-content_wastewater

Sulfate-reducing anaerobic ammonium oxidation as a potential treatment method for high nitrogen-content wastewater

Rikmann, Ergo; Zekker, Ivar; Tomingas, Martin; Tenno, Toomas; Menert, Anne; Looits, Liis; Tenno, Taavo AGRO 2011 : 8th IWA International Symposium on Waste Management Problems in Agroindustries : Cesme, Izmir, Turkey, 22-24 June 2011 : proceedings. 2 2011 / p. 755-762 https://www.researchgate.net/publication/348845233_Sulfate-reducing_anaerobic_ammonium_oxidation_as_a_potential_treatment_method_for_high_nitrogen-content_wastewater

Sulphur compounds in a hydraulic ash discharge unit

Mölder, Leevi; Elenurm, Alfred; Tamvelius, Hindrek 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 48

Surface properties of sprayed and electrodeposited ZnO rod layers

Gromōko, Inga; Krunks, Malle; Dedova, Tatjana; Katerski, Atanas; Klauson, Deniss; Oja Acik, Ilona Applied surface science 2017 / p. 521-528 : ill <https://doi.org/10.1016/j.apsusc.2017.02.065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Surfactant and non-surfactant radical scavengers in aqueous reactions induced by pulsed corona discharge treatment

Wang, Yi-Xian; Kornev, Iakov; Wei, Chao-Hai; **Preis, Sergei** Journal of electrostatics 2019 / p. 82-86 : ill

<https://doi.org/10.1016/j.elstat.2019.03.001> Tehnikaülikooli teadlaste uudne lahendus puhastab vett elektriga [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surveying iron–organic framework TAL-1-derived materials in ligandless heterogeneous oxidative catalytic transformations of alkylarenes

Ping, Kefeng; Alam, Mahboob; Käärik, Maike; Leis, Jaan; Kongi, Nadežda; Järving, Ivar; Starkov, Pavel Synlett 2019 / p. 1536–1540 : ill <https://doi.org/10.1055/s-0037-1611877> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis of 2-(S)-[(4-methylphenyl)sulfinyl]-2-cyclopenten-1-one, a D-ring precursor of 9,11-secoosterols

Kõllo, Marek; Rõuk, Kristi; Lopp, Margus Proceedings of the Estonian Academy of Sciences 2022 / p. 307-313 : ill

<https://doi.org/10.3176/proc.2022.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis of 3-hydroxymethyl-1,3,6-hexanetriol from chiral spirodilactone

Päri, Malle; Lüll, M.; Paju, Anne; Pehk, Tõnis; Lopp, Margus International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 129

Synthesis of 3-phenyl-2-hydroxy-2-cyclopenten-1-ones and their asymmetric oxidation

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Kailas, Tiit; Lopp, Margus International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 100

Synthesis of 4'-substituted 2', 3'-dideoxynucleoside analogues = 4'-asendatud 2', 3'-dideoksünukleosiidi analoogide süstees

Jõgi, Artur 2008 https://www.ester.ee/record=b2402245*est

Synthesis of chiral enantioenriched tetrahydrofuran derivatives

Niidu, Allan; Paju, Anne; Müürisepp, Aleksander-Mati; Kailas, Tiit; **Pehk, Tõnis**; Lopp, Margus Arkivoc 2009 / XIV, p. 39-52

<https://www.arkat-usa.org/get-file/32420/>

Synthesis of new N-tetrasubstituted derivatives of R,R-tartaric acid and their use as chiral ligands in oxidation catalysts

Ilmarinen, Kaja; Kriis, Kadri; Paju, Anne; **Pehk, Tõnis; Lopp, Margus** Proceedings of the Estonian Academy of Sciences. Chemistry 2001 / 3, p. 147-155

Synthesis of γ -keto sulfones by copper-catalyzed oxidative sulfonylation of tertiary cyclopropanols

Konik, Yulia A.; **Elek, Gabor Zoltan; Kaabel, Sandra; Järving, Ivar; Lopp, Margus; Kananovich, Dzmitry** Organic & biomolecular chemistry 2017 / p. 8334-8340 : ill <https://doi.org/10.1039/C7OB01605K> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

ZrC-based and ZrC-doped composites for high-temperature and wear applications = ZrC baasil ja ZrC-ga legeritud komposiitmaterjalid rakendusteks kõrgtemperatuursetes ja kulumistingimustes

Yung, Der-Liang 2016 http://www.ester.ee/record=b4621174*est

Template synthesis of titanium dioxide coatings and determination of their photocatalytic activity by aqueous oxidation of humic acid

Budarnaja, Olga; Klauson, Deniss; Dedova, Tatjana; Kärber, Erki; Viljus, Mart; Preis, Sergei Kinetics and catalysis 2014 / p. 688-694 : ill <https://doi.org/10.1134/S0023158414050036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TG-FTIR analysis of oxidation kinetics of some solid fuels under oxy-fuel conditions

Meriste, T.; **Yörük, Can Rüstü; Trikkell, Andres; Kuusik, Rein, keemik** ICTAC 15 - 15th International Congress on Thermal Analysis and Calorimetry : August 20-24, 2012, Osaka 2012 <https://link.springer.com/article/10.1007/s10973-013-3063-x>

TG-FTIR analysis of oxidation kinetics of some solid fuels under oxy-fuel conditions

Meriste, Tõnis; **Yörük, Can Rüstü; Trikkell, Andres; Kaljuvee, Tiit; Kuusik, Rein, keemik** Journal of thermal analysis and calorimetry 2013 / p. 483-489 : ill <https://doi.org/10.1007/s10973-013-3063-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TG-FTIR study of gaseous compounds evolved at thermooxidation of oil shale

Kaljuvee, Tiit; Pelt, Jaan; Radin, Maia Journal of thermal analysis and calorimetry 2004 / p. 399-414 : ill <https://link.springer.com/article/10.1023/B:JTAN.0000046106.53195.26>

TG-FTIR/MS analysis of thermal and kinetic characteristics of some coal samples

Kaljuvee, Tiit; Keelman, Merli; Trikkell, Andres; Petkova, Vilma Journal of thermal analysis and calorimetry 2013 / p. 1063-1071 : ill

The application of ozonation and advanced oxidation processes for degradation and detoxication of phenolic compounds

Trapido, Marina; Veressinina, Jelena; Munter, Rein Proceedings of the 14th Ozone World Congress : Dearborn, Michigan, USA, 1999 : oral presentations. Vol. 1 1999 / p. 235-247 : ill

The evaluation of the oxidation capability of bioactive compounds of *Solanum melongena* by capillary electrophoresis and by HPLC-MS/MS

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; **Kaljurand, Mihkel** XXIVth International Conference on Polyphenols : Polyphenols Communications 2008 : Salamanca, 8th-11th July 2008. Volume 1 2008 / p. 165-166 : ill

The Fenton chemistry and its combination with coagulation for treatment of dye solutions

Kulik, Niina; Panova, Jekaterina; **Trapido, Marina** Separation science and technology 2007 / 7, p. 1521-1534 : ill
<https://www.tandfonline.com/doi/full/10.1080/01496390701290185>

The influence of ferrous/ferric ions on the efficiency of photocatalytic oxidation of pollutants in groundwater

Klauson, Deniss; **Portjanskaja, Elina; Katšina, Anna; Kritševskaja, Marina; Preis, Sergei; Kallas, Juha** Environmental technology 2005 / 6, p. 653-662

The influence of iron ions on the aqueous photocatalytic oxidation of deicing agents

Klauson, Deniss; Preis, Sergei International journal of photoenergy 2007 / [7] p

The influence of iron ions on the aqueous photocatalytic oxidation of de-icing agents

Klauson, Deniss; Preis, Sergei Book of abstracts : the 1st European Conference on Environmental Applications of Advanced Oxidation Processes : Crete, Chania, September 7-9, 2006 2006 / p. 61

The influence of iron ions on the aqueous photocatalytic oxidation of de-icing agents

Klauson, Deniss; Preis, Sergei Proceedings of the 1st European Conference on Environmental Applications of Advanced Oxidation Processes : Chania, Greece, September 7-9, 2006 2006 / ? p

The influence of iron ions on the efficiency of aqueous photocatalytic oxidation of organic pollutants

Klauson, Deniss; **Portjanskaja, Elina; Kritševskaja, Marina; Katšina, Anna; Preis, Sergei; Kallas, Juha** 6th European Meeting Environmental Chemistry : December 6-10, 2005, Belgrade, Serbia and Montenegro 2005 / p. 230

The influence of titanium dioxide modifications on photocatalytic oxidation of lignin and humic acids

Portjanskaja, Elina; Stepanova, Kristina; Klauson, Deniss; Preis, Sergei Catalysis today 2009 / 1/2, p. 26-30 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0920586109000029>

The initiation of free radical peroxidation of low-density lipoproteins by glucose and its metabolite methylglyoxal: A common molecular mechanism of vascular wall injury in atherosclerosis and diabetes

Lankin, Vadim Z.; Konovalova, Galina G.; Tikhaze, Alla K.; Shumaev, Konstantin; Kumsikova, Elena; **Viigimaa, Margus** Molecular and cellular biochemistry 2014 / p. 241-252 : ill <https://doi.org/10.1007/s11010-014-2131-2> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

The Lille-Blokker model – an excellent tool to describe the structure of kukersite

Mets, Birgit; Kaldas, Kristiina; Uustalu, Jaan Mihkel; Lopp, Margus Oil shale 2023 / p. 234–243
<https://doi.org/10.3176/oil.2023.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The location of energetic compartments affects energetic communication in cardiomyocytes

Birkedal, Rikke; Laasmaa, Martin; Vendelin, Marko Frontiers in physiology 2014 / art. 376, 9 p.: ill
<https://doi.org/10.3389/fphys.2014.00376> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The oxidation of chromium and titanium carbide based hard metals

Pirso, Jüri; Liiskmann, Guido Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 34-36: ill
https://www.ester.ee/record=b1492085*est

The stability of dicarboxylic acids in subcritical wet air oxidation (wao) conditions [Online resource]

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [4.-5. veebr. 2019, Tartu : teesid] 2019 / 1 p.: ill <http://fntdk.ut.ee/teesid-2019/>

The synthesis and asymmetric oxidation of 3-benzyl-2,4-dihydroxycyclopent-2-enones

Oja, Karolin; Paju, Anne; Pehk, Tõnis; Lopp, Margus BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 148

The synthesis of sulphur and boron-containing titania photocatalysts and the evaluation of their photocatalytic activity

Klauson, Deniss; Portjanskaja, Elina; Budarnaja, Olga; Kritševskaja, Marina; Preis, Sergei Catalysis communications 2010 / 8, p. 715-720 <https://www.sciencedirect.com/science/article/pii/S156673671000035X>

The treatment of chlorophene-contaminated soil in columns by combined application of persulfate and biosurfactant
Bilgin Öncü, Nalan; **Viisimaa, Marika; Trapido, Marina;** Balcioglu, Isil Akmeahmet; **Goi, Anna** 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management" : May 15-17, 2012, Cesme-Izmir, Turkey : proceedings book. Volume I 2012 / p. 120-125 : ill

The use of lipid oxidation indicators to assess the quality deterioration of potato chips during accelerated shelf-life tests
Leppik, Kärt; Lang, Hanna; Kuhtinskaja, Maria; Rosenvald, Sirli Journal of Food Stability 2022 / p. 1-20
<https://doi.org/10.36400/J.Food.Stab.5.2.2022-0015> <https://www.ajol.info/index.php/jfs/article/view/233766>

Thermodynamic and kinetic study of CaS in aqueous systems
Tamm, Kadriann; Uibu, Mai; Kallas, Juha; Kallaste, Priit; Velts-Jänes, Olga; Kuusik, Rein, keemik Fuel processing technology 2016 / p. 242-249 : ill <https://doi.org/10.1016/j.fuproc.2015.10.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

3-alkylcyclopentane-1,2-diones in asymmetric oxidation and alkylation reactions = 3-alküülsüklopentaan-1,2-dioonid asümmeetrilistes oksüdeerimis- ja alküleerimisreaktsioonides
Reile, Indrek 2012 http://www.ester.ee/record=b2756921*est

Treatment of Aroclor 1016 contaminated soil by hydrogen peroxide: laboratory column study
Viisimaa, Marika; Veressina, Jelena; Goi, Anna Environmental technology 2012 / p. 2041-2048 : ill
<https://www.tandfonline.com/doi/full/10.1080/09593330.2012.660640>

Treatment of landfill leachates: aerobic biooxidation and post-ozonation
Kamenev, Inna; Pikkov, Lui; Kallas, Juha Proceedings of the Estonian Academy of Sciences. Chemistry 2002 / 2, p. 118-125

Treatment of phenolic and aromatic amino compounds by photocatalytic oxidation in polluted waters
Preis, Sergei; Kritševskaja, Marina; Terentjeva, Jelena TiO₂-4 : The Fourth International Conference on TiO₂ Photocatalytic Purification and Treatment of Water and Air, Albuquerque, New Mexico, USA, May 24-28, 1999 : abstracts 1999 / p. 74
https://www.researchgate.net/publication/233627958_Treatment_of_Phenolic_and_Aromatic_Amino_Compounds_in_Polluted_Waters_by_Photochemical_Oxidation

Treatment of surfactant stabilized oil-in-water emulsions by means of chemical oxidation and coagulation
Kulik, Niina; Trapido, Marina; Veressina, Jelena; Munter, Rein Environmental technology 2007 / 12, p. 1345-1355

Tsefriaksooni lagundamine vees heterogeenselt aktiveeritud persulfaadiga
Kuntus, Liina; Balpreet Kaur; Trapido, Marina; Dulova, Niina; Kattel, Eneliis XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 20

Tsükliliste ketoonide võrdlev Baeyer-Villiger'i asümmeetriline oksüdeerimine
Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Ilmarinen, Kaja; **Pehk, Tõnis; Lopp, Margus** XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 58-59

1,2-tsükloalkaandioonide asümmeetriline oksüdatsioon
Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lopp, Margus XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 124-125

Tsüklobutanoonide oksüdatsioon Sharplessi modifitseeritud reagentidega
Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 56

Two-billion-year-old evaporites capture Earth's great oxidation
Blättler, C.L.; Kirsimäe, Kalle; Kreitsmann, Timmu; **Lepland, Aivo** Science 2018 / p. 320-323 <https://doi.org/10.1126/science.aar2687> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A two-step model for assessing the potential of shale-derived chemicals by oxidation of kukersite
Mets, Birgit; Lopp, Margus; Uustalu, Jaan Mihkel; Muldma, Kati; Niidu, Allan; Kaldas, Kristiina Oil shale 2023 / p. 344-362
<https://doi.org/10.3176/oil.2023.4.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Täiustatud oksüdatsioon nitrofenoolide kõrvaldamiseks vesilahustest
Goi, Anna; Trapido, Marina XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 31-32

Täiustatud oksüdatsiooniprotsessid aromaatsete ja polüaromaatsete süsivesinike lagundamiseks : kineetika ja

reaktsiooniproduktid

Trapido, Marina; **Veressinina, Jelena** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 137-139

Täiustatud oksüdatsiooniprotsessid põlevkivitööstuse heitvete eel- ja järeltöötlemisel

Kamenev, Sven; Preis, Sergei; Kallas, Juha; Munter, Rein XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 41-43

Ultra thin Al₂O₃ films grown on Ni₃Al(1 0 0)

Podgurski, Vitali; Costina, Ioan; Franchy, R. Applied surface science 2003 / p. 29-36 : ill
<https://www.sciencedirect.com/science/article/pii/S0169433202008024>

Use of hydrogen peroxide and percarbonate to treat chlorinated aromatic hydrocarbon-contaminated soil

Viisimaa, Marika; Goi, Anna Journal of environmental engineering and landscape management 2014 / p. 30-39 : ill
<https://doi.org/10.3846/16486897.2013.804827> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

U-Th chronology and formation controls of methane-derived authigenic carbonates from the Hola trough seep area, northern Norway

Sauer, Simone; Cremiere, Antoine; Knies, Jochen; **Lepland, Aivo; Martma, Tõnu** Chemical geology 2017 / p. 164-179 : ill
<https://doi.org/10.1016/j.chemgeo.2017.09.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uued mineraal/orgaanilised ühendid: ruteeniumi kiraalsed kompleksid apatiitsel alusel : PARROT programmi projekt 2005-2006

Tõnsuaadu, Kaia Eesti Teadusfondi aastaraamat 2006 2007 / lk. 39 : fot

Uus osoonimismeetod puhastab vett antibiootikumijääkidest

Horisont 2021 / lk. 7 : fot https://www.ester.ee/record=b1072243*est

Water delignification by advanced oxidation processes : homogeneous and heterogeneous Fenton and H₂O₂ photo-assisted reactions

Makhotkina, O.; **Preis, Sergei**; Parkhomchuk, E. Applied catalysis B : environmental 2008 / 3/4, p. 821-826 : ill
<https://www.sciencedirect.com/science/article/pii/S0926337308002348>

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

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

Wet air oxidation of oil shales: kerogen dissolution and dicarboxylic acid formation

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus ACS omega 2020 / p. 22021-22030
<https://doi.org/10.1021/acsomega.0c01466> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wet air oxidation of oil shales-factors affecting dicarboxylic acids formation

Kaldas, Kristiina; Preegel, Gert; Muldma, Kati; Lopp, Margus GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 37 <http://fmdtk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Wet oxidation for the treatment of TMP concentrated paper mill waters. Kinetics of the reaction

Garcia-Molina, V.; Verenich, Svetlana; **Kallas, Juha** ECCE : 4th European Congress of Chemical Engineering : Granada, Spain, 2003 : conference proceedings. Topic 4 2003 / p. P-4.3-089

Wet oxidation of concentrated wastewaters : the kinetic modelling

Verenich, Svetlana; **Kallas, Juha** Oxidation Technologies for Water and Wastewater Treatment : 2nd International Conference 2000 / p. 163

Wet oxidation of debarking water : changes in lignin content and biodegradability

Kindsigo, Merit; **Kallas, Juha** Environmental chemistry letters 2009 / 2, p. 121-126

Wet oxidation of paper mill evaporation concentrates

Roosalu, Kati; Verenich, Svetlana; **Kallas, Juha** International conference EcoBalt 2003 : Riga, Latvia, 2003 : book of abstracts. Volume 1 2003 / p. I-27 - I-28 <https://lutpub.lut.fi/handle/10024/35063?show=full>

Wet oxidation of recalcitrant lignin water solution : experimental and reaction kinetics [Electronic resource]

Kindsigo, Merit; Hautaniemi, Marjaana; **Kallas, Juha** Environmental Applications of Advanced Oxidation Processes : Chania, September 7-9, 2006 : book of abstracts 2006 / [CD-ROM] <https://link.springer.com/article/10.1007/s10311-008-0151-4>

Wet oxidation of recalcitrant lignin water solutions : experimental and reaction kinetics

Kindsigo, Merit; Hautaniemi, Marjaana; **Kallas, Juha** Environmental chemistry letters 2009 / 2, p. 155-160

Wich is the best oxidant for complexed iron removal from groundwater : the Kogalym case

Munter, Rein; Overbeck, P.; Sutt, Johannes 2007 World Congress on Ozone and Ultraviolet Technologies : August 27-29, 2007, Los Angeles, California USA 2007 / p. Abs.57

Visible light-assisted photocatalytic oxidation of organic pollutants using nitrogen-doped titania

Klauson, Deniss; Portjanskaja, Elina; Preis, Sergei Environmental chemistry letters 2008 / 1, p. 35-39

Visible-light-sensitive photocatalysts for oxidation of organic pollutants and hydrogen generation = Fotokatalüsaatorid orgaaniliste saasteainete fotokatalüütiliseks oksüdatsiooniks ja vesiniku tootmiseks nähtavas valguses

Budarnaja, Olga 2014 <https://digi.lib.ttu.ee/ii/?1072> https://www.ester.ee/record=b3084851*est

Xylidine polluted groundwater treatment by means of advanced oxidation processes

Kallas, Juha; Reinik, Janek; Jakobsson, Kaj Third International Conference on Oxidation Technologies for Water and Wastewater Treatment - Special Topic: AOP's for Recycling and Reuse : 18-22 May 2003, Goslar, Germany 2003 / p. 364-367

Xylidine-polluted groundwater purification. Ozonation and catalytic wet oxidation

Reinik, Janek; Kallas, Juha Proceedings of the Estonian Academy of Sciences. Chemistry 2004 / 3, p. 97-115 : ill

Анализ сульфидов меди разных степеней окисления вольтампериметрии с пастовым электродом

Vidreviĭs, Marina; Uritskaja, Alla; Kitajev, G.; Mellikov, Enn; Krunks, Malle Заводская лаборатория : ежемесячный научно-технический журнал 1984 / с. 17-19

Аналитическое описание температурно-временной зависимости процесса окисления стали

Trunin, I.; Tjulpin, K.; **Ots, Arvo** Влияние минеральной части энергетических топлив на условия работы парогенераторов : материалы Всесоюзной конференции. Том 3Б, Высокотемпературная коррозия поверхностей нагрева 1974 / с. 10-18 Ю илл., таб https://www.ester.ee/record=b1294620*est

Влияние pH на окисление озонот замещенных ароматических соединений в водной среде

Munter, Rein; Preis, Sergei; Kamenev, Sven; Siirde, Enno; Looerts, Hilja Химия и технология воды : научно-технический ежемесячный журнал 1984 / с. 139-141 : ил., табл https://www.ester.ee/record=b1833703*est

Влияние некоторых минеральных примесей на скорость биоокисления фенолов

Hannus, Maila; Kirso, Uuve Eesti NSV Teaduste Akadeemia toimetised. Keemia. Geoloogia = Известия Академии наук Эстонской ССР. Химия. Геология 1974 / с. 193-199 https://www.ester.ee/record=b1264554*est

Влияние неорганических примесей на скорость биоокисления фенолов

Hannus, Maila; Kirso, Uuve; Leesment, Liidia Eesti NSV Teaduste Akadeemia toimetised. Keemia. Geoloogia = Известия Академии наук Эстонской ССР. Химия. Геология 1973 / с. 82-84 https://www.ester.ee/record=b1264554*est

Влияние окисления серы на образование окислов азота в процессе горения топлива

Ots, Arvo; Jegorov, Dimitri; Saar, Karl Окислы азота в продуктах сгорания топлив : Сборник научных трудов 1981 / с. 50-52

Дезоксидация и рекристаллизация "люминофорного" CdS при его прокаливании в H₂ и H₂S

Veel, Ene; Krunks, Malle; Hiie, Jaan; Mellikov, Enn; Tünn, Leo Полупроводниковые материалы. 3 1976 / с. 133-138 : илл https://www.ester.ee/record=b1403374*est <https://digikogu.taltech.ee/et/Item/5f8fd05c-ff69-4315-9d64-1d9c9611667b>

Изучения в структуре и свойствах полиэтилена, происходящих при его окислении

Metlitskaja, Olga Современные проблемы физической химии : всесоюзная конференция молодых ученых, Москва, 17-20 нояб. 1980 г. : тезисы докладов 1980 / с. 33-34

Исследование влияния pH на окисление ароматических соединений озонот

Munter, Rein; Siirde, Enno Всесоюзный семинар по химии озона (15-17 июня 1981 г., г. Тбилиси) : тезисы докладов 1981 / с. 127-128

Исследование гидродинамических условий аэрации и окислительной способности аэротенка-отстойника БИО-25

Mölder, Heino; Ostrat, Aime Сборник статей по санитарной технике. 8 1972 / с. 3-10 : илл https://www.ester.ee/record=b2085069*est <https://digikogu.taltech.ee/et/Item/67a1c9b6-c10c-4843-9d90-1f0bf1e601ba>

Исследование каталитической окислительной деструкции углеводородов и кислородных соединений.

Сообщение 1 : Исследование каталитического окисления пентана на катализаторе VO₂ в газовой фазе

Raudsepp, Hugo; Einborn, Illi Технология органических веществ. 1 1969 / с. 73-84 : илл https://www.ester.ee/record=b1337236*est <https://digikogu.taltech.ee/et/Item/d6e3c08c-1c99-48a8-ae34-e91a3f1c8d0d>

Исследование каталитической окислительной деструкции углеводородов и кислородных соединений.
Сообщение 2 : Исследование каталитического окисления некоторых карбоновых кислот кислородом воздуха в газовой фазе на катализаторе двуокиси ванадия

Raudsepp, Hugo; Uiboruu, Helvi Технология органических веществ. 1 1969 / с. 85-93 : илл
https://www.ester.ee/record=b1337236*est <https://digikogu.taltech.ee/et/Item/d6e3c08c-1c99-48a8-ae34-e91a3f1c8d0d>

Исследование каталитической окислительной деструкции углеводородов и кислородных соединений.
Сообщение 3 : Исследование гетерогенного каталитического окисления пропана на катализаторе VO₂

Raudsepp, Hugo; Einborn, Illi Технология органических веществ. 3 1970 / с. 3-10 https://www.ester.ee/record=b1475714*est
<https://digikogu.taltech.ee/et/Item/fcbf4feb-b620-4ce2-afd4-b68afdf951e1/>

Исследование каталитической окислительной деструкции углеводородов и кислородных соединений.
Сообщение 6 : Исследование катализаторов окисления углеводородов в газовой фазе

Raudsepp, Hugo; Mikkal, Maret-Elo; Raudsepp-Olm, L. Технология органических веществ. 3 1970 / с. 35-43 : илл
https://www.ester.ee/record=b1475714*est <https://digikogu.taltech.ee/et/Item/fcbf4feb-b620-4ce2-afd4-b68afdf951e1/>

Исследование каталитической окислительной деструкции углеводородов и кислородных соединений.
Сообщение 21 : Исследование возможностей синтеза муравьиной и пропионовой кислот газофазным каталитическим окислением углеводородов

Einborn, Illi; Raudsepp, Hugo Технология органических веществ. 8 1976 / с. 3-9 https://www.ester.ee/record=b1475761*est
<https://digikogu.taltech.ee/et/Item/38b2a836-99da-4b82-8058-1c2084a10575>

Исследование каталитической окислительной деструкции углеводородов и кислородных соединений.
Сообщение 22 : Исследование окисления некоторых кислородных соединений в газовой фазе на двуокиси ванадия

Einborn, Illi; Raudsepp, Hugo; Arm, Maire-Barbara Технология органических веществ. 8 1976 / с. 11-17
https://www.ester.ee/record=b1475761*est <https://digikogu.taltech.ee/et/Item/38b2a836-99da-4b82-8058-1c2084a10575>

Исследование окисления газообразных предельных углеводородов на окиснованадиевых катализаторах : автореферат ... кандидата технических наук

Mikkal, Maret-Elo 1966 http://www.ester.ee/record=b1528208*est

Исследование окисления некоторых углеводородов на катализаторе двуокиси ванадия : автореферат... кандидата технических наук (05.17.04)

Einborn, Illi 1973 http://www.ester.ee/record=b3555390*est

Исследование окисления фенолов в присутствии комплексообразователя

Süld, Tiia-Maaja I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 71-72 https://www.ester.ee/record=b1309964*est

Исследование процесса окисления углеводородов (сообщение 1)

Mikkal, Maret-Elo; Raudsepp, Hugo Сборник статей по химии и химической технологии. 12 1965 / с. 49-60
https://www.ester.ee/record=b2182032*est <https://digikogu.taltech.ee/et/Item/cc98a110-70ff-45fd-9a24-57acf33fc031>

Исследование спектральной нормальной степени черноты окисированных сталей

Viilmann, Illar; Unt, U. XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 95 https://www.ester.ee/record=b1322629*est

Источник стабилизированного тока для анодного окисления полупроводников

Gavrilov, Aleksei Приборы и техника эксперимента 2004 / 1, с. 160-161 : ил

Источник стабилизированного тока для многократного анодного окисления полупроводников

Gavrilov, Aleksei; Košelap, Andrei Электрофизические свойства полупроводниковых и диэлектрических материалов 1988 / с. 94-99

К вопросу определения серебра кинетическим методом по реакции окисления марганца (II) персульфат ионом

Pets, Lidia Процессы и аппараты химической технологии и технология неорганических веществ. 3 1972 / с. 79-86 : илл
https://www.ester.ee/record=b1531312*est <https://digikogu.taltech.ee/et/Item/e448e56a-a020-4c7c-8723-e0214721d71b/>

Кинетика окисления сернистых соединений, содержащихся в твердом остатке термической переработки эстонских сланцев

Mölder, Leevi; Rohla, Ilme; Tamvelius, Hindrek; Elenurm, Alfred Химия твердого топлива 1999 / 5, с. 66-72

Кинетика окисления фенолов в водных растворах молекулярным кислородом и под действием электрических разрядов : автореферат ... кандидата химических наук

Kirso, Uuve 1967 https://www.ester.ee/record=b1547778*est

Кинетика окисления фенолов в водных растворах молекулярным кислородом и под действием электрических разрядов : диссертация на соискание ученой степени кандидата химических наук

Kirso, Uuve 1967 https://www.ester.ee/record=b2965663*est

Кинетика совместного биохимического окисления 3,4-бензпирена и фенолов на адаптированных активных илах Hannus, Maila; Kirso, Uuve; Gubergits, Mark Eesti NSV Teaduste Akadeemia toimetised. Keemia. Geoloogia = Известия Академии наук Эстонской ССР. Химия. Геология 1975 / с. 240-242 https://www.ester.ee/record=b1264554*est

Комбинированные процессы окисления как возможность очистки сточных вод сланцевой промышленности Эстонии

Trapido, Marina; Munter, Rein; Veressinina, Jelena Третий международный конгресс "Вода: экология и технология" : "ЭКВАТЭК-98", Москва, 25-30 мая 1998 г. : тезисы докладов 1998 / с. 466-467

Коррозионные свойства фенольных и сточных вод сланцеперерабатывающей промышленности и возможности применения этих вод для технических нужд : автореферат ... кандидата технических наук (353)

Türkson, Heino 1972 https://www.ester.ee/record=b1523287*est

Лабораторное исследование кинетики окисления котельных сталей в среде продуктов сгорания сланцев

Õpik, Ilmar; Tomann, Elvi; Ots, Arvo Теплоэнергетика : сборник статей. 12 1971 / с. 3-19 : илл

https://www.ester.ee/record=b2190313*est <https://digikogu.taltech.ee/et/Item/b5d52827-852f-4b06-9011-e964baabd316/>

Лабораторные исследования биохимического окисления сахарозы в воде р. Лейвайыги

Köstner, Ado; Rimmel, Vööbe; Aarma, M. Сборник статей по санитарной технике. 4 1967 / с. 131-139

https://www.ester.ee/record=b2085120*est <https://digikogu.taltech.ee/et/Item/70078b22-eb0f-463d-b740-5f540d9bbb18>

Математическое моделирование процесса низкотемпературного окисления поверхности полиэтилена

Piiraja, Eduard; Rajalo, Guido; Kirjanen, I. Окисление и окрашивание углеводородных полимеров 1979 / с. 65-71

https://www.ester.ee/record=b1271134*est <https://digikogu.taltech.ee/et/Item/ffbf1b5d-e7f0-4503-aaa6-9cb582414a67>

Низкотемпературное окисление поверхности полиэтилена при действии пламени газовой горелки

Kalvik, Riina; Ebber, Arkadi; Harina, I.A.; Kormoš, V.; Piiraja, Eduard, juhendaja Окисление и окрашивание углеводородных полимеров 1979 / с. 3-18 : илл https://www.ester.ee/record=b1271134*est <https://digikogu.taltech.ee/et/Item/ffbf1b5d-e7f0-4503-aaa6-9cb582414a67>

Низкотемпературное окисление поверхности полиэтилена при травлении хромовой кислотой

Pajula, S.; Künnapä, K.; Hinno, T.; Balog, S.N.; Piiraja, Eduard, juhendaja Окисление и окрашивание углеводородных полимеров 1979 / с. 27-38 : илл https://www.ester.ee/record=b1271134*est <https://digikogu.taltech.ee/et/Item/ffbf1b5d-e7f0-4503-aaa6-9cb582414a67>

Низкотемпературное окисление полиэтилена

Piiraja, Eduard; Suup, S. XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 190-191 https://www.ester.ee/record=b1322629*est

Низкотемпературное окисление полиэтилена низкой и высокой плотности

Piiraja, Eduard; Dankovič, A. Окисление и окрашивание углеводородных полимеров 1979 / с. 19-25 : илл

https://www.ester.ee/record=b1271134*est <https://digikogu.taltech.ee/et/Item/ffbf1b5d-e7f0-4503-aaa6-9cb582414a67>

Низкотемпературное окисление полиэтилена низкой плотности

Piiraja, Eduard Полимерные материалы и их исследование : Материалы... респ. науч.-техн. конференции. Вып.17 : Тезисы докладов XVII республиканской научно-технической конференции, посвященной новым полимерным материалам и их эффективному использованию в народном хозяйстве 1984 / с. 35-36

О биохимическом окислении вещества загрязнения в реках (I сообщение)

Velner, Harald-Adam; Plats, Rein Сборник статей по санитарной технике. 4 1967 / с. 91-98 : илл

https://www.ester.ee/record=b2085120*est <https://digikogu.taltech.ee/et/Item/70078b22-eb0f-463d-b740-5f540d9bbb18>

О влиянии скорости течения воды на окисление органического вещества

Plats, Rein Сборник статей по санитарной технике. 6 1970 / с. 115-119 : илл https://www.ester.ee/record=b2085097*est

<https://digikogu.taltech.ee/et/Item/6aaacbd0-60a7-4bdf-bbd4-fb7848aacc7f9/>

О жаростойкости некоторых марганцовистых сталей под влиянием золы сланцев

Tomann, Elvi; Ots, Arvo Влияние минеральной части энергетических топлив на условия работы парогенераторов :

материалы Всесоюзной конференции. Том 3Б, Высокотемпературная коррозия поверхностей нагрева 1974 / с. 130-140 : илл

https://www.ester.ee/record=b1294620*est

О низкотемпературном окислении поверхности полиэтилена

Piiraja, Eduard; Granat, N.A.; Pajula, S. Полимерные материалы и их исследование : материалы XV республиканской научно-технической конференции 1978 / с. 16-17 https://www.ester.ee/record=b2359444*est

О низкотемпературном окислении полиэтилена

Piiraja, Eduard; Granat, N.A.; Pajula, S.; Dankovitš, A. Международный симпозиум по макромолекулярной химии = International symposium on macromolecular chemistry, СССР, Ташкент, 17-21 окт. 1978 г. Т. 4 1978 / с. 154-155

Об окислении некоторых индивидуальных фенолов в щелочной среде

Aarna, Agu; Kiisler, Karl; Paluoja, Vilma Сборник статей по химии и технологии горючего сланца. 5 1958 / с. 66-77 : илл https://www.ester.ee/record=b2181274*est <https://digikogu.taltech.ee/et/Item/d4787728-120d-40c7-8299-c6997abc3167>

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.ester.ee/record=b2181586*est <https://digikogu.taltech.ee/et/Item/d0996552-6e32-425c-a38e-d8f33ab8faf6>

Окисление ароматических азотсодержащих соединений озонем

Tearo, Jelena XXVII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1983 г. : тезисы докладов. Часть 3 1983 / с. 115 https://www.ester.ee/record=b1571572*est

Окисление ароматических соединений применением четырехоксида рутения

Karik, Hergi Технология органических веществ. 3 1970 / с. 71-76 : илл https://www.ester.ee/record=b1475714*est <https://digikogu.taltech.ee/et/Item/fcbf4feb-b620-4ce2-afd4-b68afdf951e1/>

Окисление и окрашивание углеводородных полимеров

1979 https://www.ester.ee/record=b1271134*est <https://digikogu.taltech.ee/et/Item/ffbf1b5d-e7f0-4503-aaa6-9cb582414a67>

Окисление керогена сланца молекулярным кислородом

Alumäe, Tamara 1954 http://www.ester.ee/record=b2134984*est

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

Alumäe, Tamara 1954 http://www.ester.ee/record=b1394897*est

Окисление компонентов системы TiC-Fe-Cr при предварительном спекании порошковой карбидостали

Kübarsepp, Jakob Порошковая металлургия = Powder metallurgy : ежемесячный научно-технический журнал 1988 / с. 43-47 : рис., таб https://www.ester.ee/record=b1645489*est

Окисление молекул полиэтилена

Piiraja, Eduard Tallinna Tehnikaülikooli Toimetised 1990 / lk. 31-38: ill

Окисление окиси азота перманганатом калия

Kann, Jüri; Kalve, Raivo; Kass, A. Технология пищевых производств. 6 1976 / с. 65-69 : илл https://www.ester.ee/record=b1182279*est <https://digikogu.taltech.ee/et/Item/b776e312-51e7-4e92-af0d-41e1141cf2af>

Окисление поверхности полиэтилена газовым пламенем

Viikna, Anti; Kirjanen, I.; Rajalo, Guido; Piiraja, Eduard Tallinna Tehnikaülikooli Toimetised 1990 / lk. 17-30: ill

Окисление поверхности полиэтилена травлением хромовой кислотой

Viikna, Anti; Kirjanen, I.; Rajalo, Guido; Piiraja, Eduard Tallinne Tehnikaülikooli Toimetised 1990 / lk. 3-16

Окисление сланцевых алкилрезорцинов в присутствии комплексообразователя

Aarna, Agu; Süld, Tiia-Maaja; Kiisler, Karl; Vares, M. Технология органических веществ. 7 1975 / с. 9-17 : илл https://www.ester.ee/record=b1475739*est <https://digikogu.taltech.ee/et/Item/0a7a2b23-8888-4a7a-8f05-69664566747d>

Окисление смеси ксиололов для получения ароматических дикарбоновых кислот : автореферат ... кандидата технических наук (05.17.04)

Velitskaja, Olga 1974 http://www.ester.ee/record=b1329179*est

Окисление смеси ксиололов для получения ароматических дикарбоновых кислот : диссертация ... кандидата технических наук по специальности 05.17.04 - технология тяжелого /или основного/ органического синтеза

Velitskaja, Olga 1973 http://www.ester.ee/record=b2307432*est

Опытно промышленное освоение производства малеинового ангидрида контактным окислением фурфурола в

паро-газовой фазе кислородом воздуха : автореферат ... кандидата технических наук

Muša, Žanis 1973 http://www.ester.ee/record=b2123420*est

Опытно промышленное освоение производства малеинового ангидрида контактным окислением фурфурола в паро-газовой фазе кислородом воздуха : диссертация ... кандидата технических наук

Muša, Žanis 1973 http://www.ester.ee/record=b2307564*est

Применение анодного окисления при исследовании электрофизических характеристик полупроводниковых структур "кремний на изоляторе"

Gavrilov, Aleksei Tallinna Tehnikaülikooli Toimetised 1990 / lk. 53-59: ill

Применение метода периодатного окисления к изучению гидроксильных групп керогена кукерсита

Nekrasov, V.; Urov, Kaarli Технология органических веществ. 4 1971 / с. 79-83 : илл https://www.ester.ee/record=b1426989*est
<https://digikogu.taltech.ee/et/Item/6cf05bc0-20ed-4094-8c16-49aab62a9010>

Тепловыделение при биоокислении загрязняющих веществ

Kurissoo, T. Неустановившееся движение жидкости в трубах 1980 / с. 67-75 https://www.ester.ee/record=b1263941*est
<https://digikogu.taltech.ee/et/Item/aeac2da9-cb51-4746-9dc3-c435104586eb>

Термическое окисление полиэтилене

Piiraja, Eduard Пластические массы = Journal of the plastic compounds = Zeitschrift für plastische Massen 1988 / с. 61
https://www.ester.ee/record=b1953289*est

Установка для многократного анодного окисления полупроводников

Gavrilov, Aleksei Электрофизические свойства полупроводниковых и диэлектрических материалов 1986 / с. 73-78

Химический синтез и влияние олигомеров 16, 16-диметил-15-кето аналога простагландина В1 на окислительное фосфорилирование в митохондриях : автореферат ... кандидата химических наук (02.00.03)

Martin, Ivar 1991 https://www.ester.ee/record=b1205941*est