

A study of the toxicity of the ozonation products of phenols and chlorophenols by daphnia magna test

Trapido, Marina; Veressinina, Jelena 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 152

A study on three-phase ozonation

Munter, Rein; Veressinina, Jelena Proceedings of the Estonian Academy of Sciences. Chemistry 2003 / 2, p. 83-90 : ill

A study the toxicity of the ozonation products of phenols and chlorophenols by Daphnia magna test

Trapido, Marina; Veressinina, Jelena; Munter, Rein Proceedings of the Estonian Academy of Sciences. Chemistry 1997 / 3, p. 130-139: ill

Activated sludge process coupled with intermittent ozonation for sludge yield reduction and effluent water quality control

Järvik, Oliver; Viiraja, Andres; Kamenev, Sven; Kamenev, Inna Journal of chemical technology and biotechnology 2011 / p. 978–984 : ill

Adhesive properties of ozonated polyethylene

Viikna, Anti; Nikitina, Nonna 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 81

Advanced oxidation processes for sulfonamide antibiotic sulfamethizole degradation : Process applicability study at ppm level and scale-down to ppb level

Klauson, Deniss; Romero Sarcos, Natalja; Kritševskaja, Marina; Kattel, Eneliis; Dulova, Niina; Dedova, Tatjana; Trapido, Marina Journal of environmental chemical engineering 2019 / art. 103287, 8 p. : ill <https://doi.org/10.1016/j.jece.2019.103287> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 Oxygen Oxidations and Disinfection : 7-11 April, 2003, Berlin 2003 / p. 247-264

Aktiivmudaprotsessi osoonimise mõju heitvee kvaliteedile ja jääaktiivmuda tekkele

Järvik, Oliver; Kamenev, Inna XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 38

Application of ozonation, UV photolysis, Fenton treatment and other related processes for degradation of ibuprofen and sulfamethoxazole in different aqueous matrices

Epold, Irina; Dulova, Niina; Veressinina, Jelena; Trapido, Marina Journal of advanced oxidation technologies 2012 / p. 354-364 : ill

https://www.researchgate.net/publication/263695119_Application_of_Ozonation_UV_Photolysis_Fenton_Treatment_and_other_Related_Processes_for_Degradation_of_Ibuprofen_and_Sulfamethoxazole_in_Different_Aqueous_Matrices

Biooksüdatsioon koos keemilise oksüdatsiooniga

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

Catalytic ozonation as a means for degradation of resistant compounds

Trapido, Marina; Veressinina, Jelena; Munter, Rein Abstracts of the International Conference "Eco-Balt 2004" 2004 / p. 15-16

Catalytic ozonation of m-dinitrobenzene

Trapido, Marina; Veressinina, Jelena; Munter, Rein; Kallas, Juha 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.1.6-1 - I.1.6-6 : ill

Catalytic ozonation of m-dinitrobenzene

Trapido, Marina; Veressinina, Jelena; Munter, Rein; Kallas, Juha Ozone : science and engineering 2005 / 5, p. 359-363 : ill

Catalytic ozonation of trimethoprim in aqueous solution by in situ generated hydrous manganese oxide

Goi, Anna; Bolobajev, Juri 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 330 https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf

Characterization of ozonation processes by oxygen demand of compounds

Munter, Rein; Preis, Sergei; Siirde, Enno Proceedings of the Estonian Academy of Sciences. Chemistry 2002 / 3, p. 139-147 : ill

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

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

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>

Combination of ozonation and the Fenton processes for landfill leachate treatment : evaluation of treatment efficiency

Goi, Anna; Veressinina, Jelena; Trapido, Marina Ozone : science & engineering 2009 / 1, p. 28-36 : ill

Combined physicochemical treatment of textile and mixed industrial wastewater

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

Cost effectiveness of ozonation and AOPs for aromatic compounds removal from water

Munter, Rein; Trapido, Marina; Veressinina, Jelena Proceedings of the 17th International Ozone Association World Congress and Exhibition "Ozone and Related Oxidants. Innovative and Current Technologies" : Strasbourg, France, August 22-25, 2005. Session IV. Part 3 2005 / p. 1-9

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 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 in soil : the Fenton reagent versus ozonation

Goi, Anna; Trapido, Marina Environmental technology 2004 / p. 155-164 : ill

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

2,4-xylidine degradation with ozonation : mass transfer and reaction kinetics

Reinik, Janek; Jakobsson, Kaj; Kallas, Juha IOA-EA3G : International Conference in Conjunction with Wasser-Berlin-2003 2003 / p. 435-445

2,4-xylidine degradation with ozonation : mass transfer and reaction kinetics

Reinik, Janek; Jakobsson, Kaj; Kallas, Juha Ozone : science & engineering 2004 / 5, p. 499-509

Eelosoneerimise mõju looduslike orgaaniliste ainete biolagunemisele = The impact of pre-treatment with ozone on biodegradation of natural organic matter-case study

Rožkov, Aleksei; Strömberg, A.; Karlsson, K.; **Preis, Sergei** XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 175-176 https://www.ester.ee/record=b1070511*est

Eesti teadlaste loodud meetod aitab puhastada vett antibiootikumijääkidest [Võrguväljaanne]

Dulova, Niina novaator.err.ee 2020 / fot [teadlaste loodud meetod aitab puhastada vett antibiootikumijääkidest](#)

Emeriitprofessor Rein Munter: Eestis tuleks osooni omadusi palju enam ära kasutada [Võrguväljaanne]

Munter, Rein forte.delfi.ee 2022 [Emeriitprofessor Rein Munter: Eestis tuleks osooni omadusi palju enam ära kasutada](#)

Energy consumption in ozonation and photo-catalytical oxidation

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

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 : ECWATECH-98, Moscow, Russia, 26-28 May, 1998 : proceedings 1998 / p. 29-39

Estimation of ozonation kinetics in a small bubble column

Viiraja, Andres; Kamenev, Inna; Kallas, Juha 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

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

Fenoolide ning klorofenoolide osoonimise produktide toksilisuse uurimine Daphnia magna testiga

Trapido, Marina; Veressinina, Jelena XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 140

Generation of active oxidant species by pulsed dielectric barrier discharge in water-air mixtures

Kornev, Iakov; Yavorsky, N.; Preis, Sergei; Khaskelberg, M.; Isaev, U.; Chen, Ben-Nam Ozone : science & engineering 2006 / 4, p. 207-215 <https://www.tandfonline.com/doi/full/10.1080/01919510600704957>

Hospital wastewater treatment with pilot-scale pulsed corona discharge for removal of pharmaceutical residues

Ajo, Petri; Preis, Sergei; Vornamo, Timo; Mänttari, Mika; Kallioinen, Mari; Louhi-Kultanen, Marjatta Journal of environmental chemical engineering 2018 / p. 1569-1577 : ill <https://doi.org/10.1016/j.jece.2018.02.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of ozone and hydrogen peroxide on the natural water

Maripuu, Lea; Kamenev, Sven; Munter, Rein 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 88

Individual and simultaneous degradation of sulfamethoxazole and trimethoprim by ozone, ozone/hydrogen peroxide and ozone/persulfate processes: A comparative study

Adil, Sawaira; Maryam, Bareera; Kim, Eun-Ju; Dulova, Niina Environmental research 2020 / art. 109889, 10 p <https://doi.org/10.1016/j.envres.2020.109889> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of activated carbon on ozonation of phenolic wastewater

Järvik, Oliver; Saarik, Vardo; Osadchuk, Irina; Viiraja, Andres; Kamenev, Inna 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.2.11-1 - VIII.2.11-9

Influence of t-butanol on multicomponent reaction kinetics and mass transfer in p-nitrophenol ozonation at low pH

Kuosa, Markku; Kallas, Juha Chemical engineering and processing : process intensification 2009 / 7, p. 1212-1221 : ill

Intensification of activated sludge process – the impact of ozone and activated carbon = Aktiivmudaprotsessi intensiivistamine - osoonimise ja aktiivsöe mõju

Järvik, Oliver 2011 https://www.ester.ee/record=b2700068*est

Katalüütiline osoonimine orgaaniliste saasteainete lagundamiseks

Dello, Ave; Trapido, Marina; Veressinina, Jelena XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 20-21

Kinetic description of industrial wastewater ozonation processes

Preis, Sergei; Munter, Rein; Siirde, Enno Ozone : science & engineering : the journal of the International Ozone Association 1988 / p. 379-392 : ill https://www.ester.ee/record=b1201727*est <https://www.tandfonline.com/doi/abs/10.1080/01919518808552392>

Kõrgtiheda polüetüleen termiliste omaduste ja morfoloogilise oleku sõltuvus osoneerimise kestvusest

Nikitina, Nonna; Süld, Tiia-Maaja; Viikna, Anti XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 82

Landfill leachate under combined oxidation treatment

Kamenev, Inna; Pikkov, Lui; Kamenev, Sven; Kallas, Juha Proceedings of the 15th Ozone World Congress : London, United Kingdom, 11th - 15th September 2001 : oral presentations. Vol. I 2001 / p. 345-351 : ill

Lignin ozonation at different pH values of water [Electronic resource]

Kuosa, Markku; **Kallas, Juha** Environmental Applications of Advanced Oxidation Processes : Chania, September 7-9, 2006 : book of abstracts 2006 / [CD-ROM]

Mathematical modeling and simulation of ozonation processes in a downstream static mixer with sieve plates

Munter, Rein Ozone : science & engineering 2004 / 2, p. 227-236 : ill

Mathematical modelling and simulation of ozonation processes in a downstream static mixer with sieve plates

Munter, Rein Proceedings of the 15th Ozone World Congress : London, United Kingdom, 11th - 15th September 2001 : oral and forum presentations. Vol. III 2001 / p. 250-263 : ill

Methods for purification of xylydine-polluted water

Reinik, Janek 2003 https://www.ester.ee/record=b1833095*est

Modelling of chlorophenol treatment in aqueous solutions. 1, Ozonation and ozonation combined with UV radiation under acidic conditions

Hautaniemi, Marjaana; **Kallas, Juha; Munter, Rein; Trapido, Marina** Ozone : science & engineering 1998 / 4, p. 259-282: ill

Modelling of chlorophenol treatment in aqueous solutions. 2, Ozonation under basic conditions

Hautaniemi, Marjaana; **Kallas, Juha; Munter, Rein; Trapido, Marina**; Laari, Arto Ozone : science & engineering 1998 / 4, p. 283-302: ill

Modelling of fast ozonation reactions in aqueous solutions

Hautaniemi, Marjaana; **Kallas, Juha**; Laari, A.; **Trapido, Marina; Munter, Rein** Regional Conference on Ozone Generation and Application to Water and Waste Water Treatment : ECWATECH-98, Moscow, Russia, 26-28 May, 1998 : proceedings 1998 / p. 145-160: ill

Multicomponent reaction kinetics for the ozonation of p-nitrophenol and its decomposition products under acidic conditions at constant pH

Kuosa, Markku; Laari, Arto; Solonen, Antti; Haario, Heikki; **Kallas, Juha** Chemical engineering science 2009 / 10, p. 2332-2342 : ill <https://www.sciencedirect.com/science/article/pii/S0009250909001213>

Multicomponent reaction models in ozonation and reduction in the number of model parameters

Kuosa, Markku; **Kallas, Juha** Journal of hazardous materials 2010 / 1/3, p. 823-832 : ill <https://pubmed.ncbi.nlm.nih.gov/20728271/>

Osonaator Prantsusmaalt ja ainult sealt

Munter, Rein; Lond, Heldur Õhtuleht 1993 / 26. jaan., lk. 2

Osoneerimise mõju reovete aeroobsele biopuhastusele

Kamenev, Inna; Pikkov, Lui; Kamenev, Sven; Kallas, Juha XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 53-54

Osoneeritud polüetüleenil omaduste uurimine DTA meetodil

Nikitina, Nonna; Viikna, Anti; Soela, Mari XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 114-115

Osoneeritud polüetüleenil struktuuri uurimine füüsikaliste meetoditega

Paat, Aadu; Nikitina, Nonna; Viikna, Anti XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 94-95

Osooni ja vee lugu

Munter, Rein 2011 https://www.ester.ee/record=b2729242*est

Osooni ja vesinikperoksiidi toimest looduslikule veele

Maripuu, Lea; Kamenev, Sven; Munter, Rein XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 79

Osooni kasutamine veepuhastustehnoloogias

Siirde, Enno; Munter, Rein 1984 https://www.ester.ee/record=b1223282*est

Osooni võiks kasutada keskkonna puhtamaks muutmiseks ja küttekulude kokku hoidmiseks [Võrguväljaanne]

digi.geenius.ee 2022 [Osooni võiks kasutada keskkonna puhtamaks muutmiseks ja küttekulude kokku hoidmiseks](#)

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

Osoonimine kolmefaasilises süsteemis

Veressinina, Jelena; Munter, Rein XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 159-160

Osoonitud kõrgtiheda polüetüleeni struktuuri uurimine

Nikitina, Nonna; Viikna, Anti; Soiela, Mari XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 91

Osoonitud nitrofenoolide toksilisuse, kõrvalproduktide ja biolagundatavuse uurimine

Goi, Anna; Trapido, Marina XXVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 27th Estonian Chemistry Days : abstracts of scientific conference 2001 / lk. 28-29

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 in aqueous solutions : a kinetic study

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

Ozonation and AOP for treatment of the wastewater from oil shale and pulp and paper industries

Munter, Rein; Kallas, Juha; Pikkov, Lui; Preis, Sergei; Kamenev, Sven Proceedings 11th Ozone World Congress, San Francisco, 1993. Vol. 1 1993 / p. 38-53

Ozonation and AOP parameter estimation from countercurrent film absorber data

Kallas, Juha; Huuskonen, M.; Kamenev, Sven; Munter, Rein; Viiroja, Andres Ozone : science & engineering 1995 / 5, p. 527-550: ill

Ozonation and AOP treatment of phenanthrene in aqueous solutions

Trapido, Marina; Veressinina, Jelena; Munter, Rein Ozone : science & engineering 1994 / p. 475-485 : ill
<https://doi.org/10.1080/01919512.1994.10555755>

Ozonation and AOPs for oil shale industry's wastewater treatment : an overview

Munter, Rein; Trapido, Marina; Kallas, Juha; Kamenev, Sven; Preis, Sergei; Viiroja, Andres; Kamenev, Inna; Järvik, Oliver; Kulik, Niina; Veressinina, Jelena Ozone news 2009 / 4, p. 17-22

Ozonation and AOPs for oil shale industry's wastewater treatment : an overview

Munter, Rein; Trapido, Marina; Kallas, Juha; Kamenev, Sven; Preis, Sergei; Viiroja, Andres; Kamenev, Inna; Järvik, Oliver; Kulik, Niina; Veressinina, Jelena Executive summaries : 5th International Conference. 10th IOA-EA3G Berlin Conference on Oxidation Technologies for Water and Wastewater Treatment : Berlin, Germany, March 30 - April 2, 2009 2009 / p. 14/PC25(1-8)

Ozonation and Fenton treatment for remediation of diesel fuel contaminated soil

Goi, Anna; Trapido, Marina; Kulik, Niina; Palmroth, Marja R.T.; Tuhkanen, Tuula Ozone : science and engineering 2006 / 1, p. 37-46 : ill

Ozonation and the Fenton reagent for the degradation of nitroaromatic compounds

Goi, Anna; Trapido, Marina; Veressinina, Jelena; Kallas, Juha; Munter, Rein International Conference on Ozone in Global Water Sanitation, Amsterdam, the Netherlands, October 1st to October 3rd 2002 : proceedings 2002 / p. IV-2-1 - IV-2-16

Ozonation and the Fenton treatment for remediation of soil - diesel fuel contaminated soil

Goi, Anna; Kulik, Niina; Palmroth, Marja R.T.; **Trapido, Marina** 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.2.10-1 - I.2.10-6 : ill

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 as a method for destruction of polyaromatic hydrocarbons and substituted phenols

Trapido, Marina; **Veressinina, Jelena; Munter, Rein** DownUnder'96, February 11-15, 1995 : Ozone and its Applications : proceedings of the First Australasian Conference of the International Ozone Association in conjunction with Sydney University Chemical Engineering Association. Vol. 2 1996 / p. III 3-III 10

Ozonation for the chemical modification of carbon surfaces in fly ash

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

Ozonation of activated sludge in periodic reactors

Järvik, Oliver; Kamenev, Inna Scientific journal of Riga Technical University. 1 series, Material science and applied chemistry 2010 / p. 88-93 : ill

Ozonation of lignin aqueous solutions

Kamenev, Inna; Velts, Olga; Viiroja, Andres; Häkkinen, Antti; **Kallas, Juha** Executive summaries : 5th International Conference. 10th IOA-EA3G Berlin Conference on Oxidation Technologies for Water and Wastewater Treatment : Berlin, Germany, March 30 - April 2, 2009 2009 / p. 39-40/PC223(1-8)

Ozonation of phenols containing in wastewaters from oil shale chemical treatment

Trapido, Marina; **Veressinina, Jelena; Munter, Rein** Environmental technology 1994 / p. 233-241: ill

Ozonation of p-nitrophenol at different pH values of water and the influence of radicals at acidic conditions

Kuosa, Markku; **Kallas, Juha;** Häkkinen, Antti Journal of environmental chemical engineering 2015 / p. 325-332 : ill
<http://dx.doi.org/10.1016/j.jece.2014.10.015>

Ozonation, ozone/UV and UV destruction of some environmental pollutants : a comparative study

Trapido, Marina; **Veressinina, Jelena; Munter, Rein** Environmental Applications of Advanced Oxidation Technologies : proceedings of the Second International Symposium. Conference papers and posters 1997 / p. 4-90 - 4-101: ill

Ozonation, ozone/UV and UV/H₂O₂ degradation of chlorophenols

Trapido, Marina; Hirvonen, Arja; **Veressinina, Jelena;** Hentunen, Johanna; **Munter, Rein** Ozone : science & engineering 1997 / 1, p. 75-96: ill

Ozone-based treatments of process waters and effluents in the pulp and paper industry

Korhonen, Susanna; Laari, Arto; **Kallas, Juha;** Metsärinne, Sirpa; Tuhkanen, Tuula Proceedings of the 15th Ozone World Congress : London, United Kingdom, 11th - 15th September 2001 : oral presentations. Vol. II 2001 / p. 293-305 : ill

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](#)

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

Pilot scale evaluation of preozonation for Tallinn drinking water treatment

Loorits, Hilja; Munter, Rein Proceedings of the Estonian Academy of Sciences. Chemistry 1995 / 1, p. 32-41: ill

Plasma abil vett puhastama

Alvela, Ain Tehnikamaailm : TM : sõidukid, elektroonika, teadus, tehnoloogia 2019 / lk. 84-88 : fot
https://www.ester.ee/record=b1073050*est

Poolperioodse osoneerimise mudelid

Viioja, Andres; Kamenev, Inna; Kallas, Juha XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 134

Possibilities of using ozone for the treatment of wastewater from the yeast industry

Blonskaja, Viktoria; Kamenev, Inna; Zub, Sergei Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 1, p. 29-39 : ill

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

The properties of the adhesive bond formed by ozonized LDPE melt
Viikna, Anti; Nikitina, Nonna Proceedings of Baltic Polymer Symposium 2001 : Oct. 11-12 in Tallinn 2001 / p. 311-316 : ill

Purification of phenolic wastewater using aerobic bio-oxidation combined with activated carbon treatment and ozonation
Järvi, 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 phenolic wastewater using aerobic bio-oxidation combined with activated carbon treatment and ozonation
Järvi, Oliver; Kamenev, Inna; Viioja, Andres; Kallas, Juha Ozone : science & engineering 2010 / 6, p. 417-423 : ill

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

Reovee järelpuhastus
Haiba, Egge; Lember, Erki; Kängsepp, Pille; Taklai, Mart; Tõnisberg, Enn; Kõrgmaa, Vallo Reoveepuhastuse käsiraamat 2023 / lk. 435-482 <https://lifecleanest.ee/sites/cleanest/files/2023-10/>

Reovee puhastamine aeroobse biooksidatsiooniga kombineeritud aktiivsöetöötusega ja osoonimisega
Järvi, Oliver; Kamenev, Inna; Kallas, Juha XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 25-26

Rohelised oksüdandid keskkonnakaitses : muljeid 17. osoonikongressilt Strasbourgis
Munter, Rein Keskkonnatehnika 2005 / 6, lk. 10-11 https://artiklid.elnet.ee/record=b1018347*est

Selective removal of lipophilic wood extractives from paper mill water circulations by ozonating
Laari, Arto; Korhonen, Susanna; Tuhkanen, Tuula; Kallas, Juha Ozone : science and engineering 2000 / 6, p. 585-605

Simulation and parameter estimation of ozonation column models
Kallas, Juha; Munter, Rein; Viioja, Andres; Kõrvits, Madis Acta chimica hungarica 1995 / 5, Models in chemistry, p. 807-829: ill

Static mixers for ozonation of water
Munter, Rein 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. 502-518

Structural changes in ozonated low density polyethylene
Viikna, Anti; Nikitina, Nonna; Soela, Mari Abstracts of Finnish Chemical Congress and Exhibition 2000 / p. 59

Structure and melting parameters of ozonated polyethylene
Nikitina, Nonna; Süld, Tiia-Maaja; Viikna, Anti Finnish Chemical Congress and Exhibition Kemia-2001 : Helsinki, 13-15.11.2001 : abstracts 2001 / p. 27

Zero valent boron activated ozonation for ultra-fast degradation of organic pollutants : atomic orbital matching, oxygen spillover and intra-electron transfer
Zhang, Fengzhen; Kong, Qiaoping; Preis, Sergei The chemical engineering journal 2022 / art. 134674
<https://doi.org/10.1016/j.cej.2022.134674> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TalTechi keskkonnateadlaste uus osoonimismeetod puhastab vett antibiootikumijääkidest
Mente et Manu 2020 / lk. 32 <https://dea.digar.ee/cgi-bin/dea?a=is&oid=AKmenteetmanu202011&type=staticpdf>

Tarbeveekäitlus
Karu, Jaan 2010 http://www.ester.ee/record=b2561443*est

The effect of hydrodynamic and operational parameters on the deactivation kinetics of microbes in paper machine circulation water by ozonation
Laari, Arto; Korhonen, Susanna; Tuhkanen, Tuula; Kallas, Juha Proceedings of the 15th Ozone World Congress : London, United Kingdom, 11th - 15th September 2001 : oral presentations. Vol. I 2001 / p. 438-453 : ill

Three-dimensional Co/Ni bimetallic organic frameworks for high-efficient catalytic ozonation of atrazine: Mechanism, effect parameters, and degradation pathways analysis

Ye, Guojie; Luo, Pei; Zhao, Yasi; Qiu, Guanglei; Hu, Yun; **Preis, Sergei**; Wei, Chaohai Chemosphere 2020 / art. 126767, 12 p
<https://doi.org/10.1016/j.chemosphere.2020.126767> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Using of ozone in high quality drinking water production

Munter, Rein; Kamenev, Sven; Kallas, Juha; Maripuu, Lea Critical reviews in analytical chemistry 1998 / Issue 2 : Special Issue : the proceedings of the National Science Foundation-Funded Workshop on Environmental chemistry - Baltic Republics, p. 81-86

Uudne osoonimismeetod vabastab vee ravimijääkidest

Imeline Teadus 2021 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

Water ozonation - a classic example of green chemistry and technology

Munter, Rein Estonian Science Foundation 2005 2006 / p. 18 : phot

Vee osoonimine - roheline keemia ja tehnoloogia klassikaline näide

Munter, Rein Eesti Teadusfondi Aastaraamat 2005 2006 / lk. 18 : fot

Veerand Sajandit osooni Tallinna joogivees

Munter, Rein Mente et Manu 2022 / lk. 64-67 : fot https://www.ester.ee/record=b1242496*est

Xylidine-polluted groundwater purification. Wet oxidation - wet air oxidation using granulated active carbon

Kallas, Juha; Reinik, Janek Scientific proceedings of Riga Technical University. Series: Material Science and Applied Chemistry 2002 / p. 208-215

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

Xylidini-polluted groundwater purification-wet air oxidation used granulated active carbon

Reinik, Janek 43th RTU Conference of Materials Science and Applied Chemistry 2002 / ? p

Влияние озонирования на термические свойства полиэтилен

Viikna, Anti; Nikitina, Nonna; Soela, Mari Polimeru chemija, fizika ir tehnologija = Polymer chemistry, physics and technology : konferencijos pranešimu medžiaga 2000 / p. 23-26 : ill

Влияние УФ-облучения на озонирование водных растворов органических соединений и сточных вод

Preis, Sergei; Veressinina, E.; Siirde, Enno; Munter, Rein Журнал прикладной химии 1988 / с. 555-559 : илл
https://www.ester.ee/record=b1182398*est

Влияние УФ-облучения на процесс озонирования воды

Veressinina, Jelena; Siirde, Enno Процессы и аппараты химической технологии. 2 1988 / с. 53-61

Изменение структурных особенностей полиэтилена при озонировании

Viikna, Anti; Nikitina, Nonna; Paat, Aadu Stambiamolekulū junginių chemija ir technologija = Polymer chemistry and technology : konferencijos pranešimu medžiaga 1999 / p. 3-7: ill

Изучение свойств озонированного полиэтилена методом дифференциально-термического анализа

Nikitina, Nonna; Viikna, Anti Вестник Санкт-Петербургского университета. 4, Физика. Химия 2000 / 1, с. 80-84

Интенсификация биологической очистки сточных вод озонированием : автореферат ... кандидата технических наук (05.23.04)

Mušnikov, Mihhail 1987 http://www.ester.ee/record=b1553596*est

Интенсификация биологической очистки сточных вод озонированием : диссертация ... кандидата технических наук : 05.23.04 - водоснабжение и канализация

Mušnikov, Mihhail 1987 http://www.ester.ee/record=b2457010*est

Использование озона в подготовке питьевой воды и для доочистки сточных вод

Munter, Rein Гигиена и охрана окружающей среды : тезисы конференции, Тарту, 10-11 декабря 1987 года 1987 / с. 48-50
https://www.ester.ee/record=b1276236*est

Использование озона для окисления составных частей молока в сточных водах

Loorits, Hilja; Munter, Rein; Siirde, Enno Молочная промышленность : ежемесячный научно-технический и производственный журнал 1975 / с. 27-30 https://www.ester.ee/record=b2654133*est

Использование озона для очистки сточных вод предприятий молочной и целлюлозно-бумажной промышленности

Munter, Rein; Loorits, Hilja; Siirde, Enno Вторая Всесоюзная межвузовская конференция по озону : материалы конференции, январь 1977 г. 1977 / с. 120-121 https://www.ester.ee/record=b5461382*est

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

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

Исследование массообмена при озонировании воды в непрерывно действующем абсорбере с механическим перемешиванием

Loorits, Hilja 1968 http://www.ester.ee/record=b2237445*est

Исследование массообмена при озонировании воды в непрерывно действующем абсорбере с механическим перемешиванием : автореферат ... кандидата технических наук (347)

Loorits, Hilja 1968 http://www.ester.ee/record=b1374801*est

Исследование массообмена при озонировании воды в прямоточном ситчатом аппарате

Munter, Rein 1968 http://www.ester.ee/record=b2200772*est

Исследование массообмена при озонировании воды в прямоточном ситчатом аппарате : автореферат ... кандидата технических наук (347)

Munter, Rein 1968 http://www.ester.ee/record=b1410332*est

Исследование озонирования водного раствора П-толуидина

Munter, Rein; Preis, Sergei 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. 189 https://www.ester.ee/record=b1322629*est

Исследование озонирования воды в прямоточном ситчатом аппарате и в абсорбере с механическим перемешиванием

Siirde, Enno; Munter, Rein; Loorits, Hilja Центральный институт научно-технической информации и технико-экономических исследований по химическому и нефтяному машиностроению. Информационный листок 1971 / с. 26-27

Исследование озонирования воды озера Юлемисте. (Сообщение I)

Siirde, Enno; Raukas, Maie; Tepaks, Leo; Loorits, Hilja Сборник статей по санитарной технике. 1 1964 / с. 3-16 : илл https://www.ester.ee/record=b2085151*est <https://digikogu.taltech.ee/et/Item/56972baf-c3b8-4c5d-a24d-4837b838dacc>

Исследование озонирования воды озера Юлемисте. (Сообщение II)

Siirde, Enno; Raukas, Maie; Tepaks, Leo; Loorits, Hilja Сборник статей по санитарной технике. 1 1964 / с. 17-26 : илл https://www.ester.ee/record=b2085151*est <https://digikogu.taltech.ee/et/Item/56972baf-c3b8-4c5d-a24d-4837b838dacc>

Исследование озонирования стоков производства органических полупродуктов красителей

Munter, Rein; Siirde, Enno; Hudak, V. Всесоюзный семинар по химии озона (15-17 июня 1981 г., г. Тбилиси) : тезисы докладов 1981 / с. 115-116

Клеевые соединения на основе озонированного высокомолекулярного полиэтилена

Nikitina, Nonna; Viikna, Anti Вестник Санкт-Петербургского университета технологий и дизайна 2001 / 5, с. 170-176

О возможности использования непрерывно действующего механического абсорбера при озонировании воды

Loorits, Hilja; Siirde, Enno Сборник статей по химии и химической технологии. 19 1968 / с. 11-16 : илл https://www.ester.ee/record=b2182213*est <https://digikogu.taltech.ee/et/Item/026f8881-5a73-4588-acba-0b1ffe988b0f>

О дезодорации дурнопахнущих сточных вод сульфатцеллюлозного производства озонированием

Siirde, Enno; Uus, Endel; Külm, S. Сборник статей по санитарной технике. 1 1964 / с. 125-136 : илл https://www.ester.ee/record=b2085151*est <https://digikogu.taltech.ee/et/Item/56972baf-c3b8-4c5d-a24d-4837b838dacc>

О дезодорации дурнопахнущих сточных вод целлюлозного производства озонированием

Siirde, Enno; Uus, Endel; Loorits, Hilja Информационный листок, Серия ХМ-1 1971 / с. 21-22

О скорости разложения озона в водах с различными свойствами

Raukas, Maie; Munter, Rein; Siirde, Enno Журнал прикладной химии 1984 / с. 2597-2599 : ил

https://www.ester.ee/record=b1182398*est

Озонирование анилина в водных растворах

Kamenev, Sven; Munter, Rein; Siirde, Enno Тезисы VII всесоюзного симпозиума по современным проблемам прогнозирования, контроля качества воды водоемов и озонирования, Таллин 19-21 ноября 1985 года. IV секция, Озонирование воды 1985 / с. 27-31 : ил https://www.ester.ee/record=b1254834*est

Озонирование водных растворов анилина

Kamenev, Sven; Koel, M. Процессы и аппараты химической технологии. 1 1987 / с. 103-110

Озонирование дурнопахнущих сточных вод сульфат-целлюлозного производства

Loorits, Hilja; Munter, Rein; Siirde, Enno; Uus, Endel Материалы V Всесоюзного научного симпозиума по современным проблемам самоочищения и регулирования качества воды, Таллинн, 18-21 ноября 1975 г. Секция 4, Часть 2, Регулирование качества воды 1975 / с. 183-188 : таб https://www.ester.ee/record=b1327854*est

Озонирование промышленных сточных вод, содержащих трудноокисляемые органические вещества : автореферат ... кандидата технических наук (05.23.04)

Preis, Sergei 1988 http://www.ester.ee/record=b1527422*est

Озонирование растворов органических веществ

Veressinina, Jelena Процессы и аппараты химической технологии. 2 1988 / с. 62-70

Озонирование сточных вод анилино-красочной промышленности

Munter, Rein; Kamenev, Sven; Preis, Sergei; Siirde, Enno; Hudak, V.I. Неустановившиеся процессы в системах водоснабжения и водоотведения 1985 / с. 31-41

Очистка озонированием сточных вод, загрязненных анионными ПАВ

Buchalter, A.; Hudak, V.; Ivanov, A.; Panidi, I.; Munter, Rein; Kamenev, Sven Химическая промышленность. Серия "Анилинокрасочная промышленность" : научно-технический реферативный сборник 1983 / с. 14-18

Очистка промышленных стоков от анионных поверхностно-активных веществ методом озонирования

Buhgalter, L.B.; Ivanov, A.I.; Hudak, V.I.; Munter, Rein; Kamenev, Sven Тезисы VII всесоюзного симпозиума по современным проблемам прогнозирования, контроля качества воды водоемов и озонирования, Таллин 19-21 ноября 1985 года. IV секция, Озонирование воды 1985 / с. 70-72 https://www.ester.ee/record=b1254834*est

Применение теории хемосорбции для анализа и описания процессов озонирования воды и сточных вод

Munter, Rein; Kamenev, Sven; Siirde, Enno Журнал физической химии 1992 / 4, с. 899-903

Принципы разработки проведения процесса и контактных аппаратов для озонирования природных и сточных вод

Munter, Rein Химия и технология воды : научно-технический ежемесячный журнал 1988 / с. 416-422

Проблемы технологического оформления процессов озонирования сточных вод

Munter, Rein Тезисы VII всесоюзного симпозиума по современным проблемам прогнозирования, контроля качества воды водоемов и озонирования, Таллин 19-21 ноября 1985 года. IV секция, Озонирование воды 1985 / с. 3-13 https://www.ester.ee/record=b1254834*est

Роль предварительного озонирования при очистке воды озера Юлемисте

Preis, Sergei; Siirde, Enno; Пылдоя Л.И. Химия и технология воды : научно-технический ежемесячный журнал 1991 / с. 736-739: ил

Тезисы VII всесоюзного симпозиума по современным проблемам прогнозирования, контроля качества воды водоемов и озонирования, Таллинн 19-21 ноября 1985 года

Munter, Rein 1985 https://www.ester.ee/record=b1254834*est

Теория и практика озонирования природных и сточных вод : автореферат ... доктора технических наук

Munter, Rein 1990 https://www.ester.ee/record=b1553656*est

Теория и практика озонирования природных и сточных вод : автореферат диссертации на соискание ученой степени доктора технических наук

Munter, Rein 1990

Улучшение адгезионной способности полиэтилена при озонировании

Nikitina, Nonna; Viikna, Anti Пластические массы = Journal of the plastic compounds = Zeitschrift für plastische Massen 1998 / 7, с. 42-44: ил

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

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

ХПК как кинетический показатель процессов озонирования водных растворов и сточных вод

Preis, Sergei; Munter, Rein; Siirde, Enno Журнал прикладной химии 1987 / с. 1524-1529 https://www.ester.ee/record=b1182398*est