

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 (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

Bleaching of sulfite pulp with hydrogen peroxide and sodium hydrosulfite

Reiska, Rein; Mihhailov, Valdek Tallinna Tehnikaülikooli Toimetised 1994 / lk. 120-126: ill

Chlorinated aromatic hydrocarbon-contaminated soil treatment with hydrogen peroxide and percarbonate

Viisimaa, Marika; Goi, Anna TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

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

Goi, Anna; Veressinina, Jelena; Trapido, Marina 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. 6.1.2-1 - 6.1.2.-12 : ill
<https://www.tandfonline.com/doi/full/10.1080/01919510802582011>

Combined treatment of pharmaceutical effluents from medical ointment production

Kulik, Niina; Trapido, Marina; Goi, Anna; Veressinina, Jelena; Munter, Rein 2007 World Congress on Ozone and Ultraviolet Technologies : August 27-29, 2007, Los Angeles, California USA 2007 / p. Abs.61 <https://pubmed.ncbi.nlm.nih.gov/17897701/>

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

DDT-contaminated soil treatment with persulfate and hydrogen peroxide utilizing different activation aids and the chemicals combination with biosurfactant

Goi, Anna; Viisimaa, Marika; Karpenko, Oleksandr Journal of advanced oxidation technologies 2012 / p. 41-52 : ill
[https://www.researchgate.net/publication/263695003_DDT-Contaminated_Soil_Treatment_with_Persulfate_and_Hydrogen_Peroxide_Utilizing_Different_Activation_Aids_and_the_Chemicals_Combination_w
ith_Biosurfactant](https://www.researchgate.net/publication/263695003_DDT-Contaminated_Soil_Treatment_with_Persulfate_and_Hydrogen_Peroxide_Utilizing_Different_Activation_Aids_and_the_Chemicals_Combination_with_Biosurfactant)

DDT-contaminated soil treatment with persulfate and hydrogen peroxide applying different activation aids

Goi, Anna; Viisimaa, Marika Photocatalytic and Advanced Oxidation Technologies for Treatment of Water, Air, Soil and Surfaces (PAOT) : Gdansk, Poland, 4-8 July, 2011 : abstracts 2011 / p. 91

Degradation of anti-inflammatory drug dexamethasone by pulsed corona discharge : The effect of peroxycompounds addition

Onga, Liina; Kattel-Salusoo, Eneliis; Preis, Sergei; Dulova, Niina Journal of environmental chemical engineering 2022 / art. 108042 <https://doi.org/10.1016/j.jece.2022.108042> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Degradation of aqueous nitrophenols by ozone combined with UV-radiation and hydrogen peroxide

Trapido, Marina; Veressinina, Jelena; Kallas, Juha Ozone : science & engineering 2001 / 4, p. 333-342 : ill

Degradation of nitrophenols by ozone combined with UV-radiation and hydrogen peroxide

Trapido, Marina; Veressinina, Jelena; 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. 421-435

Dye-decolorizing peroxidase of Thermobifida halotolerance displays complex kinetics with both substrate inhibition and apparent positive cooperativity

Pupart, Hegne; Lukk, Tiit; Väljamäe, Priit Archives of biochemistry and biophysics 2024 / art. 109931, 11 p. : ill
<https://doi.org/10.1016/j.abb.2024.109931> 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

Enhanced degradation of polychlorinated biphenyls in soil by hydrogen peroxide, persulfate and ozone

Viisimaa, Marika; Veressinina, Jelena; Goi, Anna 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.5.10-1 - I.5.10-10

A fungal catalase reacts selectively with the 13S fatty acid hydroperoxide products of the adjacent lipoxygenase gene

and exhibits 13S-hydroperoxide-dependent peroxidase activity

Teder, Tarvi; Boeglin, William E.; Schneider, Claus; Brash, Alan R. Biochimica et Biophysica Acta (BBA) - molecular and cell biology of lipids 2017 / p. 706-715 : ill <https://doi.org/10.1016/j.bbalip.2017.03.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hapniku, vesinikperoksiidi ja superoksiidiooni elektrokeemiliste reaktsioonide uurimine õhukestel metallkatetel amperomeetriliste sensorite väljatöötamiseks

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

Hydrogen peroxide photolysis, Fenton reagent and photo-Fenton for the degradation of nitrophenols : a comparative study

Goi, Anna; Trapido, Marina Chemosphere 2002 / p. 913-922 : ill <https://www.sciencedirect.com/science/article/pii/S004565350100203X>

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

Hydrogen peroxide, superoxide, and hydroxyl radicals are involved in the phototoxic action of hematoporphyrin derivative against tumor cells

Tšekulajeva, Ludmilla; Ševtšuk, Igor; **Tšekulajev, Vladimir**; Ilmarinen, Kaja Journal of environmental pathology, toxicology, and oncology 2006 / p. 51-77 : ill <https://pubmed.ncbi.nlm.nih.gov/16566710/>

Immobiliseeritud katalaasi aktiivsuse määramise meetodite võrdlus

Soo, T.; **Fedosseev, Viktor** 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

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](#)

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](#)

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>

Nitrofenoolide lagundamine Fentoni reaktiiviga ning vesinikperoksiidi fotolüüsiga

Goi, Anna; Trapido, Marina XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 29-30

On the pH Dependency of the Catalysis by a Lytic Polysaccharide Monooxygenase from the Fungus Trichoderma reesei

Kuusk, Silja; **Lipp, Maarja**; Mahajan, Surabhi; Väljamäe, Priit ACS Catalysis 2024 / p. 13408-13419 : ill <https://doi.org/10.1021/acscatal.4c03041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Osooni ja vesinikperoksiidi toimest heitvetes sisalduvatele orgaanilistele ainetele

Maripuu, Lea XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 78-80

Osooni ja vesinikperoksiidi toimest looduslikule veele

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

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

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

Polüklooritud bifenüülidega saastatud pinnase töötlemine vesinikperoksiidi, persulfaadi ja osooniga
Viisimaa, Marika; Veressinina, Jelena; Goi, Anna XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 112

Pyridyl-3-boronic acids as catalysts for valorization of biomass

Shevchenko, Nadiia; Kananovich, Dzmitry; Karpichev, Yevgen EcoBalt2025 : Book of abstracts 2025 / p. 127
https://ecobalt.ftmc.lt/wp-content/uploads/2025/10/EcoBalt2025_Book_of_Abstracts_V1-cor1_2025-10-24.pdf

The activation of heterogeneous Fenton-type catalyst Fe-MFI

Parkhomchuk, E.; Vanina, M.; Preis, Sergei Catalysis communications 2008 / 3, p. 381-385 : ill
<https://www.sciencedirect.com/science/article/pii/S1566736707003238>

The effect of hydrogen peroxide on the growth of thermophilic lactic starter and acid gelation of UHT milk

Kriščiunaite, Tiina; Stulova, Irina; Kabanova, Natalja; Laht, Tiit-Maie; Vilu, Raivo International dairy journal 2011 / p. 239-246 : ill
<https://www.sciencedirect.com/science/article/pii/S0958694610002608>

The hazard of N-nitrosamines formation during short chain secondary amines (DMA, MEA and DEA) reactions with catalyzed and non-catalyzed hydrogen peroxide [Electronic resource]

Andrzejewski, P.; Kulik, Niina Proceedings of the 10th International Conference on Environmental Science and Technology (CEST 2007) : Kos island, Greece, 5-7 September 2007 2007 / p. A-45 - A-54 : ill. [CD-ROM]

Theoretical study of the gas-phase acidity and basicity of hydrogen peroxide

Burk, Peeter; Koppel, Ilmar 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 20

Toxicity of CuO nanoparticles to yeast saccharomyces cerevisiae BY4741 wild-type and its nine isogenic single-gene deletion mutants

Kasemets, Kaja; Suppi, Sandra; Künnis-Beres, Kai; Kahru, Anne Chemical Research in Toxicology 2013 / p. 356 - 367
<https://doi.org/10.1021/tx300467d> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Unconventional oil contaminated industrial effluent treatment by catalyzed hydrogen peroxide and sodium persulfate

Dulova, Niina; Kattel, Eneliis; Viisimaa, Marika; Goi, Anna; Klauson, Deniss; Trapido, Marina; Saluste, Alar; Tenno, Taavo Proceedings of the 7th International Conference on Environmental Science and Technology, June 9-13, 2014, Houston, Texas, USA 2014 / p. 262-268

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>

Vesinikperoksiidi gaasifaasilise happesuse ja aluselisuse teoreetiline uurimine

Burk, Peeter; Koppel, Ilmar XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 19

Vesinikperoksiidi, superoksiidi ja hüdroksüülradikaalide osalus hematoporfürini derivaadi (HPD) fototoksilises toimes kasvajakudede

Tšekulajeva, Ludmilla; Ševtšuk, Igor; Tšekulajev, Vladimir XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 117-118 : ill https://www.ester.ee/record=b2096462*est

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>