

Aina vähem vett on inimtarbimiseks kõlbulik : ohtlikult saastatud reovett saaks puhastada senisest odavamalt
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<https://digi.kogu.taltech.ee/et/Item/00388653-484b-41dd-bcb7-a67df7b65d6e> https://www.ester.ee/record=b5508894*est

Assessment of corona loss performance on aging transmission lines using PMU measurements
Gupta, Pradeep Kumar; Tuttelberg, Kaur; Kilter, Jako Energy reports 2023 / p. 215-219 <https://doi.org/10.1016/j.egyr.2023.09.160>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of corona and internal partial discharge under increasing electrical stress using time domain analysis
Shafiq, Muhammad; Kiitam, Ivar; Taklaja, Paul; Hussain, Amjad; Kütt, Lauri; Kauhaniemi, Kimmo 2020 IEEE Electrical Insulation Conference : EIC 2020 2020 / vol. 217-220 <https://doi.org/10.1109/EIC47619.2020.9158701>

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](#)

Doktoritöö : ohtlikult saastatud reovett saaks puhastada senisest odavalt
Oidermaa, Jaan-Juhan novaator.err.ee 2022 [Doktoritöö: ohtlikult saastatud reovett saaks puhastada senisest odavalt](https://digi.kogu.taltech.ee/et/Item/00388653-484b-41dd-bcb7-a67df7b65d6e) [Doktoritöö: saastatud reovett saaks puhastada senisest odavamalt](https://digi.kogu.taltech.ee/et/Item/00388653-484b-41dd-bcb7-a67df7b65d6e) <https://digi.kogu.taltech.ee/et/Item/00388653-484b-41dd-bcb7-a67df7b65d6e>
https://www.ester.ee/record=b5508894*est

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://fmdk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Energiaefektiivne õhupuhasti hoiab toa sooja ja õhu kvaliteetse
Preis, Sergei Mente et Manu 2021 / lk. 47 : fot [Mente et Manu 1/2021](https://www.ester.ee/record=b1242496*est) https://www.ester.ee/record=b1242496*est

Koroona-impulss elektrilahendus kui õhupuhastuse tehnoloogia
Bolobajev, Juri 2024 / lk. 30-32 : fot https://www.ester.ee/record=b1242496*est

Optimization of aqueous media treatment with pulsed corona discharge : hydrodynamics and kinetics conformed with the discharge parameters and energy efficiency = Impulss koroona elektrilahenduse optimeerimine vesikeskkonna töötlemiseks : hüdrodünaamika ja kineetika lähtuvalt elektrilahenduse parameetritest ning energia efektiivsusest
Tikker, Priit 2022 <https://doi.org/10.23658/taltech.42/2022> <https://digi.kogu.taltech.ee/et/Item/00388653-484b-41dd-bcb7-a67df7b65d6e>
https://www.ester.ee/record=b5508894*est

Oxidation of aqueous bisphenols A and S by pulsed corona discharge : impacts of process control parameters and oxidation products identification
Tikker, Priit; Nikitin, Dmitri; Preis, Sergei The chemical engineering journal 2022 / art. 135602
<https://doi.org/10.1016/j.cej.2022.135602> [Journal metrics at Scopus](#) [Article of 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 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://digi.kogu.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 pharmaceuticals in urine by pulsed corona discharge
Petrotsenko, 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/>

Oxidative degradation of vancomycin by UV and pulsed corona discharge in combination with oxidants: hydrogen

peroxide, peroxymonosulfate and peroxydisulfate

Nikitin, Dmitri; Kaur, Balpreet; Preis, Sergei; Dulova, Niina GEET International Conference : Green Energy and Environmental Technology : Abstract Book 2022 / 1 l. <https://scik.eu/Rome2022/GrAbBo.php>

Persulfate contribution to photolytic and pulsed corona discharge oxidation of metformin and tramadol in water

Nikitin, Dmitri; Balpreet Kaur; Preis, Sergei; Dulova, Niina Process Safety and Environmental Protection 2022 / p. 22-30
<https://doi.org/10.1016/j.psep.2022.07.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Persulfate contribution to photolytic and pulsed corona discharge oxidation of metformin and tramadol in water : [conference paper]

Nikitin, Dmitri; Kaur, Balpreet; Preis, Sergei; Dulova, Niina Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 44 [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

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 oxidation of carbamazepine in water and urine

Petrošenko, Irina; Dulova, Niina; Simha, P.; Preis, Sergei Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 36 ; oral 25 https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf

Quantification of corona discharge intensity applied to sphere-plane configurations

Gupta, Pradeep Kumar; Ruiz, Jordi-Roger Riba; Tuttelberg, Kaur; Kilter, Jako IEEE Transactions on Dielectrics and Electrical Insulation 2025 <https://doi.org/10.1109/TDEI.2025.3562196>

Sensitivity analysis of corona discharges measuring instruments using different electrodes and high voltage supplies

Gupta, Pradeep Kumar; Riba Ruiz, Jordi-Roger; Casals-Torrens, Pau; Talens i Garvin, Jordi; Tuttelberg, Kaur; Kilter, Jako IEEE Sensors Letters 2024 / art. 6015704 <https://doi.org/10.1109/LSENS.2024.3504551>

Tehnikaülikooli teadlased leiutasid uudse õhupuhastamise tehnoloogia

Bolobajev, Juri digi.geenius.ee 2024 <https://digi.geenius.ee/blogi/teadus-ja-tulevik/tehnikaulikooli-teadlased-leiutasid-uudse-ohupuhastamise-tehnoloogia/>

Uus tehnoloogia võimaldab tõhusamalt saasteaineid lagundada

Mente et Manu 2021 / lk. 13 : fot https://www.ester.ee/record=b1242496*est

В ТТУ исследуют дешевые способы очистки воды от опасных загрязнителей

Tisler, J. rus.err.ee 2022 [В ТТУ исследуют дешевые способы очистки воды от опасных загрязнителей](#)

Исследование фазы возникновения ВЧ разряда с острия

Veimer, Vladimir Труды по физике : сборник статей. 8 1976 / с. 15-26 : илл https://www.ester.ee/record=b2190766*est
<https://digikogu.taltech.ee/et/Item/023bba63-69e4-40f1-8c80-5c023bdae0d>

Коррозия металлов в фторорганических жидкостях при воздействии короны

Kallast, Vambola; Pajuste, O. Электрические машины и аппараты 1971 / с. 172-178 : ил., табл
https://www.ester.ee/record=b2083966*est

Обработка поверхности полиэтиленовой пленки коронным разрядом при низкой частоте тока

Oidram, Rein; Ebber, Arkadi; Piiraja, Eduard, juhendaja Окисление и окрашивание углеводородных полимеров 1979 / с. 53-64 : илл https://www.ester.ee/record=b1271134*est <https://digikogu.taltech.ee/et/Item/ffbf1b5d-e7f0-4503-aaa6-9cb582414a67>

基于脉冲电晕放电对有机污染物降解与资源化

Wang, Yixian; Ma, Jingde; Ye, Guojie; Preis, Sergei 环境科学学报 = Acta Scientiae Circumstantiae 2019 / p. 2964–2971
<https://doi.org/10.13671/j.hjkxb.2019.0177> http://www.actasci.cn/hjkxb/ch/reader/view_abstract.aspx?file_no=20190302002&flag=1 [Journal metrics at Scopus](#) [Article at Scopus](#)