

Adsorption of Cd²⁺ by an ion-imprinted thiol-functionalized polymer in competition with heavy metal ions and organic acids

Kong, Qiaoping; Xie, Binbin; **Preis, Sergei** RSC advances 2018 / p. 8950–8960 : ill <https://doi.org/10.1039/c7ra11811b> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Application and Behavior of Nanomaterials in Water Treatment

Special issue of Nanomaterials

2019 http://www.mdpi.com/journal/nanomaterials/special_issues/nano_water <https://doi.org/10.3390/books978-3-03921-172-2>

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

Klausion, Deniss 2010 <https://digi.lib.ttu.ee/i/?479> https://www.ester.ee/record=b2595245*est

Batch- and pilot-scale regeneration of ammonium, iron, manganese and radium contaminated manganese dioxide based and zeolite filter materials used for potable water purification [Online resource]

Goi, Anna; Nilb, Nele; Viisimaa, Marika; Kiisk, Madis; Suursoo, Siiri; Putk, Kaisa 1st International Conference on Sustainable Water Processing : Sitges, Spain, September 11-14, 2016 : programme 2016 / p. OB3.2.1-OB3.2.2 : tab <http://www.sustainablewaterprocessing.com/>

Betriebserfahrungen mit ringförmigen Kompaktbelebtschammanlagen zur biologischen Reinigung von Abwässern kleiner Objekte

Lääne, Ain; Mölder, Heino Wasserwirtschaft, Wassertechnik : WWT mit Abwassertechnik (AWT) : Fachzeitschrift für ökologisches und umwelttechnisches Management 1974 / S. 56-59 : ill https://www.ester.ee/record=b1202686*est

Book review : Nanomaterials for wastewater remediation, Ravindra Kumar Gautam and Mahesh Chandra

Chattopadhyaya: Butterworth-Heinemann, 2016, 366 pages

Rauwel, Protima MRS bulletin 2017 / p. 885–886 <https://doi.org/10.1557/mrs.2017.203>

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

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

Electrolytic phenomena in sodium chloride solutions treated in gas-phase pulsed corona discharge reactor

Kuntus, Liina; Preis, Sergei; Kornev, Iakov 6th European Conference on Environmental Applications of Advanced Oxidation Processes, Portorož - Portorose, Slovenia, 26-30 June 2019 : book of abstracts 2019 / p. 659

Elekter tõrjub veepuhastusest kloori välja

Horisont 2019 / lk. 5 : fot https://www.ester.ee/record=b1072243*est

[Entsüklopeediaartiklid]

Arro, Hendrik ENE : Eesti nõukogude entsüklopeedia 1975 / lk. 134; lk. 15; 339; 341

Et puhast vett jätkuks tulevikus kõigile

Vill, Ants Linnaleht 2018 / lk. 4 : fot <https://dea.digar.ee/article/linnaleht/2018/05/04/10.2> [Et puhast vett jätkuks tulevikus kõigile](#)

Graphene oxide-terminated hyperbranched amino polymer-carboxymethyl cellulose ternary nanocomposite for efficient removal of heavy metals from aqueous solutions

Kong, Qiaoping; **Preis, Sergei;** Li, Leli; Luo, Pei; Hua, Yun; Wei, Chaohai International journal of biological macromolecules 2020 / p. 581–592 : ill <https://doi.org/10.1016/j.jbiomac.2020.01.185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Hydrous Manganese Oxide (HMO) process in potable water treatment for radium, iron and manganese removal

Viisimaa, Marika; Nilb, Nele; Kiisk, Madis; Suursoo, Siiri; **Goi, Anna** 17th European Meeting on Environmental Chemistry, November 30th - December 2nd, 2016, Inverness, Scotland : book of abstracts 2016 / p. 78

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>

Joogivee kvaliteet : probleemid ja lahendused

Munter, Rein Horisont 2020 / lk. 50-56 : fot https://www.ester.ee/record=b1072243*est

Kliimaskepitsism, kestlikkus ja TalTechi roll

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/kliimaskepitsism-kestlikkus-ja-taltech-roll/>

Kontaktlaadsed reostavad ookeane, Läänemeri ägab suitsukonide käes

Eesti Loodus 2018 / lk. 11 http://www.ester.ee/record=b1072059*est

Maailmale oluline avastus : Eestis tegutsevad teadlased lubavad nanofiltri abil veest kätte saada kasvõi uraani [Võrguteavik]

Alvela, Ain Maaleht 2018 <http://maaleht.delfi.ee/news/maaleht/tarbija/maailmale-oluline-avastus-eestis-tegutsevad-teadlased-lubavad-nanofiltri-abil-veest-katte-saada-kasvoi-uraani?id=81900513>

Mangaandioksiidi baasil tehnoloogia arendamine joogivee puhastamiseks

Goi, Anna; Vaasma, T.; Suursoo, S.; Leier, M.; Nilb, N. XXXIV Eesti keemiapäevad : 100. aastapäeva teaduskonverentsi teesid 2019 / lk. 14 https://www.ester.ee/record=b5208044*est

Mikrosuodattimet vede puhdistusessa

Lond, Heldur Vesitehnika 1969 / s. 3-7

Modularization of waste water purification device

Tars, Peeter; Roosimölder, Lembit Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 94-97 : ill

Molecularly imprinted polymer-based sensor for electrochemical detection of erythromycin

Ayankojo, Akinrinade George; Reut, Jekaterina; Ciocan, Valeriu; Öpik, Andres; Sõritski, Vitali Talanta 2020 / art. 120502, 9 p. : ill <https://doi.org/10.1016/j.talanta.2019.120502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nanofiltri abil saab veest kasvõi uraani kätte

Alvela, Ain Tehnikamaailm : TM : sõidukid, elektroonika, teadus, tehnoloogia 2019 / lk. 90-91 : fot https://www.ester.ee/record=b1073050*est

A novel bisphosphonate-based solid phase method for effective removal of chromium(III) from aqueous solutions and tannery effluents

Alanne, Aino-Liisa; Tuikka, Matti; **Tõnsuaadu, Kaia** RSC advances 2013 / p. 14132-14138 : ill <https://doi.org/10.1039/C3RA41501E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimized spray density in water treatment with gas-phase pulsed corona discharge

Tikker, Priit; Kornev, Iakov; **Preis, Sergei** 6th European Conference on Environmental Applications of Advanced Oxidation Processes, Portorož - Portorose, Slovenia, 26-30 June 2019 : book of abstracts 2019 / p. 678-679

Osoon meid ümbritsevas keskkonnas, veepuhastuses ja toiduainetööstuses

Munter, Rein Keskkonnatehnika 2004 / 2, lk. 16-18 https://artiklid.elnet.ee/record=b1015267*est

Osoon puhastab vett. (1)

Siirde, Enno; Munter, Rein Horisont 1983 / lk. 8-10 : ill https://www.ester.ee/record=b1072243*est <https://www.digar.ee/arhiiv/et/periodika/70111>

Osooni ja vee lugu

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

Ozone - an efficient oxidant for water purification, wastewater and soil treatment

Kulik, Niina; Trapido, Marina; Goi, Anna; Munter, Rein International Conference "Eco-Balt 2005" : May 5-6, Riga, Latvia 2005 / p. 68-69

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

Photo-induced persulfate oxidation of emerging micropollutants in water matrices [Online resource]

Dulova, Niina; Kattel, Eneliis; Balpreet Kaur; Trapido, Marina Ozone and Advanced Oxidation Solutions for Emerging Pollutants of Concern to the Water and the Environment : International Conference & Exhibition EA3G2018, 5 – 7 September 2018, Lausanne, Switzerland : programme, book of abstracts 2018 / p. 17 http://www.ioa-ea3g.org/fileadmin/documents/EA3G2018_Programme_&_abstract_book.pdf

Plasma abil vett puhastama

Alvela, Ain Tehnikamaailm : TM : sõidukid, elektroonika, teadus, tehnoloogia 2019 / lk. 84-88 : fot

https://www.ester.ee/record=b1073050*est

Pulsed dielectric barrier discharge as a method of water treatment : active oxidizers in the air-water flow

Yavorovski, Nikolaj; Kornev, Iakov; **Preis, Sergei**; Peltsman, Samuil; Haskelberg, Mihhail; Chen, Ben-Nam Transactions of Tomsk Polytechnic University 2006 / 2, p. 108-113

Recent advances in nanoparticles applied to water remediation and biomedical applications

Rauwel, Erwan 5th International Conference on Competitive Materials and Technology Processes : Miskolc-Lillafüred, Hungary, October 8-12, 2018 : book of abstracts 2018 / p. 47 https://www.ic-cmtp5.eu/doc/book_of_abstract_iccmtp5.pdf

Simultaneous nitrite and ammonium production in an autotrophic partial denitrification and ammonification of wastewaters containing thiocyanate

Pan, Jianxin; Wei, Chao-hai; Fu, Bingbing; Ma, Jingde; **Preis, Sergei**; Wu, Haizhen; Zhu, Shuang Bioresource technology 2018 / p. 20-27 : ill <https://doi.org/10.1016/j.biortech.2017.12.059>

Solubilization of polycyclic aromatic hydrocarbons (PAHs) with phenol in coking wastewater treatment system: Interaction and engineering significance

Kong, Qiaoping; Wu, Haizhen; Liu, Lei; **Preis, Sergei** Science of the total environment 2018 / p. 467-473 : ill

<https://doi.org/10.1016/j.scitotenv.2018.02.077> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article 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

Tehnikaülikoolis tutvustati teedrajavat veepuhastust

Ehitaja 2018 / lk. 30 http://www.ester.ee/record=b1072123*est

The application of activated persulfate processes to reduce water pollution [Online resource]

Kattel, Eneliis; Trapido, Marina; Dulova, Niina 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://fntdk.ut.ee/teesid-2018/>

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

TTÜ teadlased töötasid välja uudse veepuhastustehnoloogia ja -filtri

Mägi, Ruth moodnekodu.delfi.ee 2018 / fot <https://moodnekodu.delfi.ee/news/ehitus/ttu-teadlased-tootasid-valja-uudse-veepuhastustehnoloogia-ja-filtri?id=81902065>

Tuumareaktoreid tootev ettevõtte katsetab TTÜs väljatootatud veefiltrit [Võrguväljaanne]

Liive, Ronald geenius.ee 2018 <https://geenius.ee/rubriik/teadus-ja-tulevik/tuumareaktoreid-tootev-ettevõtte-katsetab-ttus-valjatootatud-veefiltrit/>

Uudne osoonimismeetod vabastab vee ravimijääkidest

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

Uus osoonimismeetod puhastab vett antibiootikumijääkidest

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

Uus tehnoloogia võimaldab tõhusamalt saasteaineid lagundada

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

UV-assisted chemical oxidation of antihypertensive losartan in water

Balpreet Kaur; Eha, Kaie; **Dulova, Niina** 6th European Conference on Environmental Applications of Advanced Oxidation Processes, Portorož - Portorose, Slovenia, 26-30 June 2019 : book of abstracts 2019 / p. 242

Veepuhastus pürib Eesti Nokiaks : [TTÜ elektriainete ja jõuelektronika instituudi ja firma Estel koostöö veepuhastuse alal]

Reimer, Andres Äripäev 2002 / 2. sept., lk. 3 <https://arileht.delfi.ee/artikkel/4197433/veepuhastus-purib-eesti-nokiaks>

Veepuhastusseadmed töötavad, aga mis saab edasi?

Kamps, Mari Director. Inseneria 2019 / lk. 74-79 : fot http://www.ester.ee/record=b2336521*est
<https://director.ee/2019/05/28/veepuhastusseadmed-tootavad-aga-mis-saab-edasi/?v=a57b8491d1d8>

Гидродинамическое сопротивление прямоточного ситчатого аппарата (типа "Фондаль") при нисходящем двухфазном потоке

Munter, Rein; Siirde, Enno Сборник статей по химии и химической технологии. 15 1966 / с. 47-58 : илл
https://www.ester.ee/record=b2182115*est <https://digikogu.taltech.ee/et/Item/55575f8e-02db-404e-8bef-28e158aa260b>

Дегельминтизация осадков сточных вод

Loopere, V.; Loit, H.; **Tümanok, Aleksei;** Solovjev, P.; Karmazin, V.; Babajeva, R. Дезинтеграторная технология : тезисы докладов V Всесоюзного семинара, 8-10 сентября 1987 года 1987 / с. 165-167 : илл https://www.ester.ee/record=b1273710*est

Исследование процесса загрязнения микросетки при фильтровании искусственно замутненной воды

Karu, Jaan Сборник статей по санитарной технике. 10 1975 / с. 13-18 : илл https://www.ester.ee/record=b2084885*est
<https://digikogu.taltech.ee/et/Item/db37b17f-7b32-4060-8994-b23a7fa29638>

Оценка температурного режима труб поверхностей нагрева котлов в цикле водяной очистки

Ots, Arvo; Touart, Raivo Исследование работы парогенераторов электростанций 1984 / с. 39-45 : ил
https://www.ester.ee/record=b1527381*est <https://digikogu.taltech.ee/et/Item/31d56eae-6e5d-428d-9fbf-f496480ae899>

Проблемы удаления азотистых соединений из оборотных вод рыбных хозяйств

Mölder, Heino; Pikkov, Lui Антропогенное эвтрофирование природных вод : (тезисы докладов на Втором всесоюзном совещании по антропогенному эвтрофированию природных вод), Звенигород, [19-23] дек. 1977 г. : [в 2-х частях] 1977
https://www.ester.ee/record=b2951063*est

Скорость разложения озона в различных водах

Raukas, Maie; Siirde, Enno; Külm, S. Сборник статей по химии и химической технологии. 9 1962 / с. 219-232 : илл
https://www.ester.ee/record=b2181586*est <https://digikogu.taltech.ee/et/Item/d0996552-6e32-425c-a38e-d8f33ab8faf6>

Удаление небольших количеств железа из подземных вод

Kullison, A.; Karu, Jaan XXXII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1988 г. : тезисы докладов : [в 3-х частях], ч. 3 1988 / с. 135
https://www.ester.ee/record=b1571601*est

Энергетический анализ процесса пневматической аэрации воды

Pikkov, Lui Неустойчивые процессы в системах водоснабжения и водоотведения 1985 / с. 43-50 : ил
https://www.ester.ee/record=b1255730*est <https://digikogu.taltech.ee/et/Item/68ba7b3b-95ab-41aa-9367-4b796e892cbd>