

**Analysis of photocatalytic performance of nanostructured pyrogenic titanium dioxide powders in view of their polydispersity and phase transition : critical anatase particle size as a factor for suppression of charge recombination**  
Moiseev, Anna; **Kritševskaja, Marina**; Qi, Fei; Weber, Alfred; Deubener, Joachim Chemical engineering journal 2013 / p. 614-621 : ill <https://doi.org/10.1016/j.cej.2013.05.038>

**BOD/COD ratio as a probing index in the O/H/O process for coking wastewater treatment**  
Wei, Gengrui; Wei, Tuo; Li, Zemin; Wei, Cong; Kong, Qiaopin; Guan, Xianghong; Qiu, Guanglei; Hu, Yun; Wei, Chaohai; Zhu, Shuang; Liu, Yu; **Preis, Sergei** Chemical Engineering Journal 2023 / art. 143257 <https://doi.org/10.1016/j.cej.2023.143257>

**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  
<http://dx.doi.org/10.1016/j.cej.2015.05.054>

**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>

**Degradation of salicylic acid by Fenton and modified Fenton treatment**  
Goi, Anna; Veressinina, Jelena; **Trapido, Marina** Chemical engineering journal 2008 / [9] p. : ill

**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](#)

**Gas-phase photocatalytic degradation of acetone and toluene, and their mixture in the presence of ozone in continuous multi-section reactor as possible air post-treatment for exhaust from pulsed corona discharge**  
Kask, Maarja; Bolobajev, Juri; **Kritševskaja, Marina** Chemical engineering journal 2020 / art. 125815, 9 p. : ill  
<https://doi.org/10.1016/j.cej.2020.125815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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  
<http://dx.doi.org/10.1016/j.cej.2015.06.115>

**Influence of biosurfactant on combined chemical–biological treatment of PCB-contaminated soil**  
Viisimaa, Marika; Karpenko, Oleksandr; Novikov, Volodymyr; **Trapido, Marina**; Goi, Anna Chemical engineering journal 2013 / p. 352-359 : ill

**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>

**Metal-doped organic aerogels for photocatalytic degradation of trimethoprim**  
Bolobajev, Juri; Kask, Maarja; Kreek, Kristiina; Kulp, Maria; Koel, Mihkel; Goi, Anna Chemical engineering journal 2019 / p. 120-128 : ill <https://doi.org/10.1016/j.cej.2018.09.127> [Tehnikaülikooli teadlaste meetod aitab puastada reovett antibiootikumijääkidest](#)  
<https://keskkonnatehnika.ee/reovee-puastamine-kasutades-aerogeeli/> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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 2023 / art. 148488 <https://doi.org/10.1016/j.cej.2023.148488>

**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

**Sonolytic degradation of chlorophene enhanced by Fenton-mediated oxidation and H<sup>•</sup>-scavenging effect**  
Bolobajev, Juri; Goi, Anna Chemical engineering journal 2017 / p. 904-914 : ill <https://doi.org/10.1016/j.cej.2017.07.043>

**Treatment of landfill leachate by continuously reused ferric oxyhydroxide sludge-activated hydrogen peroxide**  
Kattel, Eneliis; **Trapido, Marina**; **Dulova, Niina** Chemical engineering journal 2016 / p. 646-654 : ill  
<http://doi.org/10.1016/j.cej.2016.06.135>