

#### **Aqueous photocatalytic degradation of selected micropollutants by Pd-modified titanium dioxide**

**Klauson, Deniss; Šakarašvili, Marko; Pronina, Natalja; Kritševskaja, Marina; Kärber, Erki; Mikli, Valdek** European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : conference program and book of abstracts 2015 / p. 126 : ill

#### **Aqueous photocatalytic degradation of selected micropollutants by Pd-modified titanium dioxide**

**Klauson, Deniss; Šakarašvili, Marko; Pronina, Natalja; Kritševskaja, Marina; Kärber, Erki; Mikli, Valdek** European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : book of proceedings 2015 / [3] p. : ill

#### **Aqueous photocatalytic degradation of selected micropollutants by Pd-modified titanium dioxide in three photoreactor types**

**Klauson, Deniss; Šakarašvili, Marko; Pronina, Natalja; Kritševskaja, Marina; Kärber, Erki; Mikli, Valdek** Environmental technology 2017 / p. 860-871 : ill <https://doi.org/10.1080/09593330.2016.1214185>

#### **Aqueous photocatalytic oxidation of doxycycline**

**Klauson, Deniss; Poljakova, Alissa; Pronina, Natalja; Kritševskaja, Marina; Moiseev, Anna; Dedova, Tatjana; Preis, Sergei** Journal of advanced oxidation technologies 2013 / p. 234-243

#### **Aqueous photocatalytic oxidation of doxycycline**

**Kritševskaja, Marina; Klauson, Deniss; Pronina, Natalja; Poljakova, Alissa; Preis, Sergei** Abstracts of papers of the American Chemical Society. Vol. 245 2013 / [1] p

#### **Aqueous photocatalytic oxidation of prednisolone**

**Klauson, Deniss; Pilnik-Sudareva, Jana; Pronina, Natalja; Budarnaja, Olga; Kritševskaja, Marina; Käkinen, Aleksandr; Juganson, Katre; Preis, Sergei** Central European journal of chemistry 2013 / p. 1620-1633 : ill

#### **Comparison of different advanced oxidation processes for sulphamethizole degradation : process applicability study at mg L<sup>-1</sup> level and scale-down to µg L<sup>-1</sup> level**

**Klauson, Deniss; Grimm, F.; Pronina, Natalja; Viisimaa, Marika; Dulova, Niina** 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 401 [https://photo-catalysis.org/events/901/photo/book\\_of\\_proceedings\\_eaaop5\\_prague.pdf](https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf)

#### **Degradation of environmentally toxic refractory compounds in suspended-bed reactor by photocatalytic oxidation and combination of biological treatment with photocatalysis [Online resource]**

**Pronina, Natalja; Klauson, Deniss; Kamenev, Sven; Kamenev, Inna; Rudenko, Tatjana; Künnis-Beres, Kai; Moiseev, Anna; Kritševskaja, Marina** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill <http://fntdk.ut.ee/teesid/>

#### **Degradation of persistent micropollutants in suspended-bed reactor by photocatalytic oxidation and combination of biological treatment with photocatalysis = Püsivate mikrosasteainete lagundamine keevkihtreaktoris fotokatalüütilise oksüdatsiooniga ning bioloogilise oksüdatsiooni kombineerimine fotokatalüüsiga**

**Pronina, Natalja** 2017 <https://digi.lib.ttu.ee/ii/?7661> [https://www.ester.ee/record=b4671593\\*est](https://www.ester.ee/record=b4671593*est)

#### **Elimination of persistent emerging micropollutants in a suspended-bed photocatalytic reactor : influence of operating conditions and combination with aerobic biological treatment**

**Pronina, Natalja; Klauson, Deniss; Rudenko, Tatjana; Künnis-Beres, Kai; Kamenev, Inna; Kamenev, Sven; Moiseev, Anna; Deubener, Joachim; Kritševskaja, Marina** Photochemical & photobiological sciences 2016 / p. 1492-1502 : ill <http://doi.org/10.1039/C6PP00319B>

#### **Fluidized-bed photocatalytic reactor : influence of operating conditions on the elimination of persistent emerging micropollutants**

**Pronina, Natalja; Klauson, Deniss; Kamenev, Sven; Rudenko, Tatjana; Künnis-Beres, Kai; Moiseev, Anna; Deubener, Joachim; Kritševskaja, Marina** European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : conference program and book of abstracts 2015 / p. 124 : ill

#### **Fluidized-bed photocatalytic reactor : influence of operating conditions on the elimination of persistent emerging micropollutants**

**Pronina, Natalja; Klauson, Deniss; Kamenev, Sven; Rudenko, Tatjana; Künnis-Beres, Kai; Moiseev, Anna; Deubener, Joachim; Kritševskaja, Marina** European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : book of proceedings 2015 / [1] p. : ill

#### **Gas-phase photocatalytic oxidation of refractory VOCs mixtures : through the net of process limitations**

**Kritševskaja, Marina; Preis, Sergei; Moiseev, Anna; Pronina, Natalja; Deubener, Joachim** Catalysis today 2017 / p. 93-98 : ill <http://dx.doi.org/10.1016/j.cattod.2016.03.041>

**Implementation of TiO<sub>2</sub> oxygen adsorption capacities for the evaluation of photocatalysts' activity in pollutants' oxidation**  
**Kritševskaja, Marina**; Moiseev, Anna; **Klauson, Deniss**; **Pronina, Natalja** European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : book of proceedings 2015 / [1] p. : ill

**Implementation of TiO<sub>2</sub> oxygen adsorption capacities for the evaluation of photocatalysts' activity in pollutants' oxidation**  
**Kritševskaja, Marina**; Moiseev, Anna; **Klauson, Deniss**; **Pronina, Natalja** European Conference on Environmental Applications of Advanced Oxidation Processes : 21-24 October 2015, Athens, Greece : conference program and book of abstracts 2015 / p. 148 : ill

**Study of gas-phase photocatalytic activity of titania thin films in multi-section plug-flow reactor**

**Kritševskaja, Marina**; Hensch, G.; **Pronina, Natalja**; Moiseev, Anna; Weber, Alfred; Deubener, Joachim 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5) : book of abstracts 2017 / p. 197 [https://photo-catalysis.org/events/901/photo/book\\_of\\_proceedings\\_eaaop5\\_prague.pdf](https://photo-catalysis.org/events/901/photo/book_of_proceedings_eaaop5_prague.pdf)

**Study on photocatalytic activity of ZnO nanoneedles, nanorods, pyramids and hierarchical structures obtained by spray pyrolysis method**

**Klauson, Deniss**; Gromōko, Inga; Dedova, Tatjana; **Pronina, Natalja**; **Kritševskaja, Marina**; **Budarnaja, Olga**; **Oja Acik, Ilona**; **Volobujeva, Olga**; Sildos, Ilmo; Utt, Kathriin Materials science in semiconductor processing 2015 / p. 315-324 : ill  
<http://dx.doi.org/10.1016/j.mssp.2014.12.012>

**Titaandioksiidi kinnitamine keramsiidi pinnale : katete fotokatalüütilise aktiivsuse määramine doksütsükliini lagundamisel ning kinnitusmeetodi optimeerimine**

**Pronina, Natalja**; **Moiseev, Anna**; **Kritševskaja, Marina**; **Klauson, Deniss** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 61

**Titanium dioxide sol-gel coated expanded clay granules for use in photocatalytic fluidized bed reactor**

**Pronina, Natalja**; **Kritševskaja, Marina**; **Klauson, Deniss**; Moiseev, Anna Book of Abstracts of the 8th European Meeting on Solar Chemistry and Photocatalysis : Environmental Applications : Thessaloniki, Greece, 25-28 June, 2014 2014 / p. 66

**Titanium dioxide sol-gel-coated expanded clay granules for use in photocatalytic fluidized-bed reactor**

**Pronina, Natalja**; **Klauson, Deniss**; Moiseev, Anna; Deubener, Joachim; **Kritševskaja, Marina** Applied catalysis B : environmental 2015 / p. 117-123 : ill <http://dx.doi.org/10.1016/j.apcatb.2014.10.006>

**Õpirändur Natalja Pronina : sain väliskogemusest rohkem, kui oskasin oodata**

**Pronina, Natalja** Mente et Manu 2017 / lk. 32-33 : portr [https://www.ttu.ee/public/m/mente-et-manu/MM\\_04\\_2017/mobile/index.html#p=1](https://www.ttu.ee/public/m/mente-et-manu/MM_04_2017/mobile/index.html#p=1)