

The activity of nanomaterials in photocatalysis

Krichevskaya, Marina Proceedings 2023 / art. 23 <https://doi.org/10.3390/proceedings2023092023>

Advanced oxidation of airborne m-xylene in combination of pulsed corona discharge and post-plasma photocatalysis

Altof, Kristen; Krichevskaja, Marina; Preis, Sergei; Bolobajev, Juri Journal of electrostatics 2025 / art. 104104

<https://doi.org/10.1016/j.elstat.2025.104184>

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

Oxidation of airborne m-Xylene in pulsed corona discharge: Impact of water sprinkling

Altof, Kristen; Krichevskaya, Marina; Preis, Sergei; Bolobajev, Juri ChemEngineering 2024 / art. 99

<https://doi.org/10.3390/chemengineering8050099> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of aqueous toluene by gas-phase pulsed corona discharge in air-water mixtures followed by photocatalytic exhaust air cleaning

Kask, Maarja; Kritševskaja, Marina; Preis, Sergei; Bolobajev, Juri Catalysts 2021 / art. 549, 11 p. : ill

<https://doi.org/10.3390/catal11050549> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

TiO₂ thin films by ultrasonic spray pyrolysis as photocatalytic material for air purification

Dündar, Ibrahim; Kritševskaja, Marina; Katerski, Atanas; Oja Acik, Ilona Royal Society open science 2019 / art. 181578, 12 p. : ill

<https://doi.org/10.1098/rsos.181578> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Upscaling of toluene oxidation using water-sprinkled pulsed corona discharge and photocatalysis

Teittinen, Daniel Anselm; Preis, Sergei; Bolobajev, Juri Processes 2025 / art. 2982 <https://doi.org/10.3390/pr13092982>