

Advanced oxidation processes for sulfonamide antibiotic sulfamethizole degradation : Process applicability study at ppm level and scale-down to ppb level

Klauson, Deniss; Romero Sarcos, Natalja; Kritševskaja, Marina; Kattel, Eneliis; Dulova, Niina; Dedova, Tatjana; Trapido, Marina Journal of environmental chemical engineering 2019 / art. 103287, 8 p. : ill <https://doi.org/10.1016/j.jece.2019.103287> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Applications of gas-phase ultraviolet photocatalytic oxidation technology in indoor environments

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Aqueous photocatalytic oxidation of prednisolone

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Effect of the titanium isopropoxide : acetylacetone molar ratio on the photocatalytic activity of TiO₂ thin films

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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

Ozone-assisted degradation of 2-methoxyethanol in a prototype plug flow photocatalytic reactor

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Photocatalytic decomposition of humic acids in anoxic aqueous solutions producing hydrogen, oxygen and light hydrocarbons

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Selective performance of sol–gel synthesised titanium dioxide photocatalysts in aqueous oxidation of various-type organic pollutants

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Spray-pyrolysis synthesised TiO₂ thin films for photocatalytic air treatment from volatile organic compounds

Sydorenko, Jekaterina; Krunks, Malle; Mere, Arvo; Krichevskaya, Marina; Oja Acik, Ilona Proceedings 2023 / art. 37 <https://doi.org/10.3390/proceedings2023092037>

Sunlight-driven photocatalytic degradation of methylene blue with facile one-step synthesized Cu-Cu₂O-Cu₃N nanoparticle mixtures

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Template synthesis of titanium dioxide coatings and determination of their photocatalytic activity by aqueous oxidation of humic acid

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The activity of nanomaterials in photocatalysis

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

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