

Considerations in analysing elemental carbon from marine engine exhaust using residual, distillate and biofuels

Physical Characteristics of Particle Emissions from a Medium Speed Ship Engine Fueled with Natural Gas and Low-Sulfur Liquid Fuels

Impact of selective catalytic reduction on exhaust particle formation over excess ammonia events

Evaluation of an oxidation catalyst ("catalytic stripper") in eliminating volatile material from combustion aerosol

Comparative performance of a thermal denuder and a catalytic stripper in sampling laboratory and marine exhaust aerosols

The critical velocity of rebound determined for sub-micron silver particles with a variable nozzle area impactor

Differential diffusion analyzer

Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge

Distinguishing fuel and lubricating oil combustion products in diesel engine exhaust particles

Effect of tungsten and selenium on  $C_1$  gas bioconversion by an enriched anaerobic sludge and microbial community analysis

Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China

Improving urban air quality measurements by a diffusion charger based electrical particle sensors  
A field study in Beijing, China

Chemolithotrophic denitrification in biofilm reactors

Adsorption of furfural from torrefaction condensate using torrefied biomass

The mechanism of the oxidation of benzyl alcohol by iron(III)nitrate  
Conventional versus microwave heating

Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste

Volatile fatty acid production from Kraft mill foul condensate in upflow anaerobic sludge blanket reactors

Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets

Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, in *E. coli* K-12 cells recovered from various organs of mice

Ring-chain tautomerism of chlorinated hydroxyfuranones and reaction with nucleosides

Isolation of a MX-guanosine adduct formed at physiological conditions

Determination of chlorinated 5-methyl-5-hydroxyfuranones in drinking water, in chlorinated humic water, and in pulp bleaching liquor

Cell toxicity and oxidative potential of engine exhaust particles  
Impact of using particulate filter or biodiesel fuel blend

Review of motor vehicle particulate emissions sampling and measurement  
From smoke and filter mass to particle number

Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell

Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus

Toward elemental analysis of ambient single particles using electrodynamic balance and laser-induced breakdown spectroscopy

Quantitative characterization of pore structure of several biochars with 3D imaging

CO-digestion of grass silage and cow manure in a CSTR by re-circulation of alkali treated solids of the digestate

Effect of macro- and micro-nutrients addition during anaerobic mono-digestion of grass silage in leach-bed reactors

Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles

Higher Cd adsorption on biogenic elemental selenium nanoparticles

Extending the Faraday cup aerosol electrometer based calibration method up to 5  $\mu\text{m}$

Real-time effective density monitor (DENSMO) for aerosol nanoparticle production

Fabrication of fiber filters with antibacterial properties for VOC and particle removal

Thermophilic anaerobic digestion of industrial orange waste

The effects of post-treatments and temperature on recovering the methane potential of >2 mm solid fraction of digested cow manure

Effects of temperature on post-methanation of digested dairy cow manure in a farm-scale biogas production system

Agricultural potential of anaerobically digested industrial orange waste with and without aerobic post-treatment

Performance of ventilation filtration technologies on characteristic traffic related aerosol down to nanocluster size

Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines

Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells

Landfill methane oxidation in engineered soil columns at low temperature

Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory

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Triboelectric charging of fungal spores during resuspension and rebound

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Screening for potential fermentative hydrogen production from black water and kitchen waste in on-site UASB reactor at 20°C

Assessing urban population vulnerability and environmental risks across an urban area during heatwaves – Implications for health protection

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High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition

Improving the signal-to-noise ratio of Faraday cup aerosol electrometer based aerosol instrument calibrations

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Physical and Chemical Characterization of Real-World Particle Number and Mass Emissions from City Buses in Finland

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Mutation spectra of the drinking water mutagen 3-chloro-4-methyl-5-hydroxy-2(5H)-furanone (MCF) in Salmonella TA100 and TA104

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Occurrence of some chlorinated enol lactones and cyclopentene-1,3-diones in chlorine-treated waters

London Hybrid Exposure Model  
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Bio-electrochemical conversion of industrial wastewater-COD combined with downstream methanol synthesis-an economic and life cycle assessment

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A microsimulation model for quantifying the impacts of environmental policies on population health and health inequalities

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a new approach to characterise complex wastewater effluents

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Low concentration of zeolite to enhance microalgal growth and ammonium removal efficiency in a membrane photobioreactor

Application of an indoor air pollution metamodel to a spatially-distributed housing stock

Sulphate-reducing laboratory-scale high-rate anaerobic reactors for treatment of metal-and sulphate-containing mine wastewater

Optimised selection of new protective coatings for biofuel boiler applications

High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate

The effects of nutrients on natural organic matter (NOM) removal in biological activated carbon (BAC) filtration

The evaluation of drinking water treatment performed with HPSEC

Photo-oxidation of Aromatic Hydrocarbons Produces Low-Volatility Organic Compounds

Molecular Composition and Volatility of Nucleated Particles from  $\alpha$ -Pinene Oxidation between  $-50\text{ }^{\circ}\text{C}$  and  $+25\text{ }^{\circ}\text{C}$