

Subject Index of Volume 113

- Activated carbon
A design methodology for activated carbon load equalization systems applied to biofilters treating intermittent toluene loading, 175
- Ag/TiO₂
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- Air emissions
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Air pollutants
Recent developments in biological waste gas purification in Europe, 85
- Air pollution control technology
Transient response of vapor-phase biofilters, 161
- Air toxics
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Ammonia
A detailed model of a biofilter for ammonia removal: Model parameters analysis and model validation, 205
- Ammonia removal
Biofiltration for ammonia removal from composting exhaust gases, 105
- ARISA
Structure of microbial communities in ethanol biofilters, 135
- Attenuation
A design methodology for activated carbon load equalization systems applied to biofilters treating intermittent toluene loading, 175
- Axial-flow impeller
Solid particle distribution of moderately concentrated suspensions in a pilot plant stirred vessel, 73
- Bacterial community
Structure of microbial communities in ethanol biofilters, 135
- Bed void fraction
Hydrodynamic characterization of a trickle bed air biofilter, 145
- Biofilm
Modelling transport and degradation of hydrophobic pollutants in biofilter biofilms, 197
- Biofilm wetting
Hydrodynamic characterization of a trickle bed air biofilter, 145
- Biofilter
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
Structure of microbial communities in ethanol biofilters, 135
Transient response of vapor-phase biofilters, 161
A design methodology for activated carbon load equalization systems applied to biofilters treating intermittent toluene loading, 175
A phenomenological review of biofilter models, 187
An odor predictive model for rendering applications, 215
Modelling transport and degradation of hydrophobic pollutants in biofilter biofilms, 197
A detailed model of a biofilter for ammonia removal: Model parameters analysis and model validation, 205
- Biofiltration
Biofiltration for ammonia removal from composting exhaust gases, 105
Biofiltration of methane: An experimental study, 111
Recent developments in biological waste gas purification in Europe, 85
Transient response of vapor-phase biofilters, 161
A design methodology for activated carbon load equalization systems applied to biofilters treating intermittent toluene loading, 175
A phenomenological review of biofilter models, 187
- Biogas
Biofiltration of methane: An experimental study, 111
- Biokinetic parameters
Understanding the limits of H₂S degrading biotrickling filters using a differential biotrickling filter, 119
- Biological treatment
Recent developments in biological waste gas purification in Europe, 85
Transient response of vapor-phase biofilters, 161
- Biotrickling filter
Understanding the limits of H₂S degrading biotrickling filters using a differential biotrickling filter, 119
Inoculation and start-up of a biotrickling filter removing dimethyl sulfide, 127
A phenomenological review of biofilter models, 187
- Bisphenol A
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- Bubble column
Bubble diameter correlation via numerical experiment, 35
- Bubble diameter
Bubble diameter correlation via numerical experiment, 35
- C₃H₆
SCR of NO with C₃H₆ in the presence of excess O₂ over Cu/Ag/CeO₂-ZrO₂ catalyst, 13
- Catalysis
Synthesis of Pd/Fe₃O₄ nanoparticle-based catalyst for the cross-coupling of acrylic acid with iodobenzene, 27
- Catalyst support
Synthesis of Pd/Fe₃O₄ nanoparticle-based catalyst for the cross-coupling of acrylic acid with iodobenzene, 27
- Central composite design
SCR of NO with C₃H₆ in the presence of excess O₂ over Cu/Ag/CeO₂-ZrO₂ catalyst, 13
- Chrome
Selected oxide materials for sulfur removal, 41
- Compartment model
Structured mixing model for stirred bioreactors: An extension to the stochastic approach, 1
- Compost media
Biofiltration for ammonia removal from composting exhaust gases, 105
- Composting
Biofiltration for ammonia removal from composting exhaust gases, 105
- Cu/Ag/CeO₂-ZrO₂
SCR of NO with C₃H₆ in the presence of excess O₂ over Cu/Ag/CeO₂-ZrO₂ catalyst, 13

- Dampening
A design methodology for activated carbon load equalization systems applied to biofilters treating intermittent toluene loading, 175
- Desulfurization
Selected oxide materials for sulfur removal, 41
- 2,4-Dichlorophenol
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- Dimethyl disulfide
Selected oxide materials for sulfur removal, 41
- Dimethyl sulfide
Inoculation and start-up of a biotricking filter removing dimethyl sulfide, 127
- Diurnal
A design methodology for activated carbon load equalization systems applied to biofilters treating intermittent toluene loading, 175
- E. coli*
Bactericidal effects of titanium dioxide-based photocatalysts, 55
- Empty bed retention time
Impact of interchanging VOCs on the performance of trickle bed air biofilter, 153
- Endocrine disrupting chemicals
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- 17 α -Ethinylloestradiol
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- Flow-directional-switching
Transient response of vapor-phase biofilters, 161
- Fuel processor
Novel micro fuel processor for PEMFCs with heat generation by catalytic combustion, 47
- H₂S degrading
Understanding the limits of H₂S degrading biotrickling filters using a differential biotrickling filter, 119
- Hazardous air pollutants
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Heck reaction
Synthesis of Pd/Fe₃O₄ nanoparticle-based catalyst for the cross-coupling of acrylic acid with iodobenzene, 27
- Hydrodynamics
Hydrodynamic characterization of a trickle bed air biofilter, 145
- Hydrogen combustion
Novel micro fuel processor for PEMFCs with heat generation by catalytic combustion, 47
- Hydrogen sulfide
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Hydrothermal photocatalyst
Bactericidal effects of titanium dioxide-based photocatalysts, 55
- Hyphomicrobium* VS
Inoculation and start-up of a biotricking filter removing dimethyl sulfide, 127
- Immobilised TiO₂
Bactericidal effects of titanium dioxide-based photocatalysts, 55
- Inoculation
Inoculation and start-up of a biotricking filter removing dimethyl sulfide, 127
- Interchanging VOC
Impact of interchanging VOCs on the performance of trickle bed air biofilter, 153
- Iron
Selected oxide materials for sulfur removal, 41
- Just suspended conditions
Solid particle distribution of moderately concentrated suspensions in a pilot plant stirred vessel, 73
- Kinetic modelling
Modelling transport and degradation of hydrophobic pollutants in biofilter biofilms, 197
- Landfill
Biofiltration of methane: An experimental study, 111
- Load equalization
A design methodology for activated carbon load equalization systems applied to biofilters treating intermittent toluene loading, 175
- Local solids concentration
Solid particle distribution of moderately concentrated suspensions in a pilot plant stirred vessel, 73
- Magnetic photocatalyst
Bactericidal effects of titanium dioxide-based photocatalysts, 55
- Mathematical modeling
Bubble diameter correlation via numerical experiment, 35
- Methane
Biofiltration of methane: An experimental study, 111
- Methane steam reforming
Novel micro fuel processor for PEMFCs with heat generation by catalytic combustion, 47
- Methanotroph
Biofiltration of methane: An experimental study, 111
- Methylocystis parvus*
Biofiltration of methane: An experimental study, 111
- Microbial ecology
Inoculation and start-up of a biotricking filter removing dimethyl sulfide, 127
- Microchannel reactor
Novel micro fuel processor for PEMFCs with heat generation by catalytic combustion, 47
- Mixing of suspensions
Solid particle distribution of moderately concentrated suspensions in a pilot plant stirred vessel, 73
- Modelling
A detailed model of a biofilter for ammonia removal: Model parameters analysis and model validation, 205
- Models
A phenomenological review of biofilter models, 187
- Nanostructure
Synthesis of Pd/Fe₃O₄ nanoparticle-based catalyst for the cross-coupling of acrylic acid with iodobenzene, 27
- Nitrification kinetics
A detailed model of a biofilter for ammonia removal: Model parameters analysis and model validation, 205
- Odor
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Odor control
An odor predictive model for rendering applications, 215
- Oestriol
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- 17 β -Oestradiol
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- Organic solid wastes
Biofiltration for ammonia removal from composting exhaust gases, 105
- Pd/Fe₃O₄
Synthesis of Pd/Fe₃O₄ nanoparticle-based catalyst for the cross-coupling of acrylic acid with iodobenzene, 27

- PEMFCs
Novel micro fuel processor for PEMFCs with heat generation by catalytic combustion, 47
- Performance data
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Photocatalysis
Bactericidal effects of titanium dioxide-based photocatalysts, 55
- Pilot plant stirred vessel
Solid particle distribution of moderately concentrated suspensions in a pilot plant stirred vessel, 73
- α -Pinene
Modelling transport and degradation of hydrophobic pollutants in biofilter biofilms, 197
- Predictive model
An odor predictive model for rendering applications, 215
- Pt/TiO₂
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- Reacclimation
Impact of interchanging VOCs on the performance of trickle bed air biofilter, 153
- Reduced sulfur compounds
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Rendering process
An odor predictive model for rendering applications, 215
- Resorcinol
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- SCR
SCR of NO with C₃H₆ in the presence of excess O₂ over Cu/Ag/CeO₂-ZrO₂ catalyst, 13
- Separations
Synthesis of Pd/Fe₃O₄ nanoparticle-based catalyst for the cross-coupling of acrylic acid with iodobenzene, 27
Silver deposited TiO₂
Bactericidal effects of titanium dioxide-based photocatalysts, 55
- Stochastic approach
Structured mixing model for stirred bioreactors: An extension to the stochastic approach, 1
- Structured mixing model
Structured mixing model for stirred bioreactors: An extension to the stochastic approach, 1
- Titanium dioxide
Bactericidal effects of titanium dioxide-based photocatalysts, 55
- Titanium dioxide photocatalysis
Effects of Ag and Pt on photocatalytic degradation of endocrine disrupting chemicals in water, 65
- Toluene
Transient response of vapor-phase biofilters, 161
- Transient loading
Transient response of vapor-phase biofilters, 161
- Trickle bed air biofilter
Hydrodynamic characterization of a trickle bed air biofilter, 145
Impact of interchanging VOCs on the performance of trickle bed air biofilter, 153
- Vapor-phase contaminants
Transient response of vapor-phase biofilters, 161
- VOCs
Transient response of vapor-phase biofilters, 161
- Volatile organic compounds
Odor and air emissions control using biotechnology for both collection and wastewater treatment systems, 93
- Waste gases
Recent developments in biological waste gas purification in Europe, 85
- Water vapor
SCR of NO with C₃H₆ in the presence of excess O₂ over Cu/Ag/CeO₂-ZrO₂ catalyst, 13
- Xylene isomers
Hydrodynamic characterization of a trickle bed air biofilter, 145
- Zinc
Selected oxide materials for sulfur removal, 41