


Domingo-Felez, Carlos and Barth F. Smets *Application of the NDHA model to describe N₂O dynamics in activated sludge mixed culture biomass*. 2018. 4 p.


Palomo, Alejandro and Barth F. Smets Genomic and ecological variation in comammox Nitrospira populations. 2018. 1 p.


Dechesne, Arnaud et al. Patterns of permissiveness towards broad host range plasmids in microbial communities across the urban water cycle in Europe. 2018. 1 p.


Fowler, Jane, Alejandro Palomo, and Barth F. Smets *Comammox Nitrospira are key nitrifiers in diverse groundwater-fed drinking water filters*. 2017. 1 p.


Fowler, Jane et al. *Niche partitioning within genus Nitrospira is affected by environmental copper concentration*. 2017. 1 p.


Ma, Yunjie, Carlos Domingo-Felez, and Barth F. Smets *Nitrous oxide Production in Membrane-aerated Nitrifying Biofilms: Experimentation and Modelling*. 2017. 5 p.


Li, Liguan et al. *Permissiveness of Microbial Community from Wastewater Treatment Plant towards IncP-1 Plasmid*. 2017.

Li, Liguan, Arnaud Dechesne, and Barth F. Smets "Plasmid host range (permisiveness) in comminities of activated sludge in wastewater treatment plant". *The Danish Microbiological Society Annual Congress 2017 - Programme & Abstracts*. Copenhagen, Denmark: American Society for Microbiology. 2017. 93-94.

Li, Liguan, Arnaud Dechesne, and Barth F. Smets *Plasmid host range (permisiveness) in microbial communities of activated sludge in wastewater treatment plant*. 2017. 1 p.


Torresi, Elena et al. *Can we enhance the biotransformation of pharmaceutical micropollutants by controlling biofilm thickness in MBBR?.* 2016. 5 p.


Kinnunen, Marta et al. *De novo biofilm community assembly from tap water source communities favors Nitrota over Nitrospira under elevated nitrite surface loading*. 2016. 1 p.


Ma, C. et al. “Dynamics of N₂O production pathways in a full-scale activated sludge system analysed by ^15N/^18O dual isotope labelling*. *Microbial ecology and water engineering & biofilms specialist groups (MEWE2016)*. Copenhagen, Denmark : IWA. 2016. 82-83.


Diwan, Vaibhav et al. "Linking nitrifiers diversity to the flux of their key resources". *Microbial ecology and water engineering & biofilms specialist groups (MEWE2016)*. Copenhagen, Denmark : IWA. 2016. 204-205.


Fowler, Jane et al. *Stable isotope probing and dynamic loading experiments provide insight into the ecophysiology of novel ammonia oxidizers in rapid gravity sand filters*. 2016. 1 p.


Domingo Felez, Carlos et al. "Challenges encountered calibrating N2O dynamics from mixed cultures". ICoN4 - 4th International Conference on Nitrification (and Related Processes): Poster Abstracts. Edmonton, Canada. 2015.


Valverde Perez, Borja et al. Impact of operational conditions and reactor configuration on process performance and microbial community in short solid retention time EBPR systems. 2015. 1 p.


Klümpér, Uli, Barth F. Smets, and Arnaud Dechesne *Permissiveness of soil microbial communities towards broad host range plasmids*. Kgs. Lyngby: DTU Environment. 2015.


Pedersen, Lasse, Arnaud Dechesne, and Barth F. Smets *Reducing Diffusion Limitation Shifts the Dominant Nitrate Reduction Metabolism from Incomplete Denitrification to Dissimilatory Nitrate Reduction to Ammonium*. 2015. 1 p.


Wágner, Dorottya Sarolta et al. Effects of Filamentous Bulking on Activated Sludge Rheology and Compression Settling Velocity. 2014. 8 p.


Gülay, Arda et al. Microbial diversity and identification of core taxa in rapid sand filters treating groundwaters. 2014. 1 p.

Gülay, Arda et al. Mineral coating creates internal porosity and supports microbial activity in rapid sand filters treating groundwaters. 2014. 1 p.


Bregua de la Sotilla, Marta et al. Modelling and assessment of the storage of nutrients in a mixed green microalgae culture. 2014. 1 p.


Gülay, Arda et al. Microbial community structure and a core microbiome in biological rapid sand filters at Danish waterworks. 2013. 4 p.


Pellicer i Nàcher, Carles et al. N2O production dynamics in nitrifying/denitrifying activated sludge under defined environmental conditions. 2013. 1 p.


Tatari, Karolina, Barth F. Smets, and Hans-Jørgen Albrechtsen *Effect of surface loading fluctuations in rapid sand-filters used to remove ammonium from drinking water*. 2012. 1 p.


Pellicer i Nàcher, Carles, Carlos Domingo Felez, and Barth F. Smets *In-situ microbial activity in membrane-aerated biofilms for autotrophic nitrogen conversion*. 2012. 1 p.


Gülay, Arda et al. Neutrophilic iron oxidizers adapted to highly oxic environments. 2012. 1 p.


Pellicer i Nàcher, Carles and Barth F. Smets Redox stratified biofilms to support completely autotrophic nitrogen removal: Principles and results. 2012.

Lee, Carson et al. Relating dynamic conditions to the performance of biological rapid sand filters used to remove ammonium, iron, and manganese from drinking water. 2012. 1 p.


Dechesne, Arnaud and Barth F. Smets Swarming motility is restricted to a narrow range of water matric potential. 2011.

Smets, Barth F. Udvidelser til ASM Process Modeller til at bestemme lattergas emission fra renseanlæg. 2011.


Musovic, sanin and Barth F. Smets *Cultivation-dependent and independent examination of conjugative plasmid transfer kinetics*. 2006.


