

Aalto, Sanni L. et al. "Resistant ammonia-oxidizing archaea endure, but adapting ammonia-oxidizing bacteria thrive in boreal lake sediments receiving nutrient-rich effluents". *Environmental Microbiology*. 2018, 20(10). 3616-3628. <https://doi.org/10.1111/1462-2920.14354>

Ahoranta, Sarita et al. "Formation and use of biogenic jarosite carrier for high-rate iron oxidising biofilms". *Research in Microbiology*. 2020. <https://doi.org/10.1016/j.resmic.2020.06.004>

Aisala, Heikki et al. "Sensory properties of Nordic edible mushrooms". *Food Research International*. 2018, 109. 526-536. <https://doi.org/10.1016/j.foodres.2018.04.059>

Bajamundi, Cyril Jose E et al. "Searching for a robust strategy for minimizing alkali chlorides in fluidized bed boilers during burning of high SRF-energy-share fuel". *Fuel*. 2015, 155. 25-36. <https://doi.org/10.1016/j.fuel.2015.03.087>

Barreca, Davide et al. "Fe<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub> nanosystems by a hybrid PE-CVD/ALD approach: controllable synthesis, growth mechanism, and photocatalytic properties". *CrystEngComm*. 2015, 17(32). 6219-6226. <https://doi.org/10.1039/c5ce00883b>

Björling, Alexander et al. "Structural photoactivation of a full-length bacterial phytochrome". *Science Advances*. 2016. 2(8). <https://doi.org/10.1126/sciadv.1600920>

Butti, Sai Kishore et al. "Microbial electrochemical technologies with the perspective of harnessing bioenergy: Maneuvering towards upscaling". *Renewable and Sustainable Energy Reviews*. 2016, 53. 462-476. <https://doi.org/10.1016/j.rser.2015.08.058>

Çetinkaya, Afşin Y. et al. "Electricity production by a microbial fuel cell fueled by brewery wastewater and the factors in its membrane deterioration". *Chinese Journal of Catalysis*. 2015, 36(7). 1068-1076. [https://doi.org/10.1016/S1872-2067\(15\)60833-6](https://doi.org/10.1016/S1872-2067(15)60833-6)

Chatterjee, Pritha et al. "Remediation of sedimented fiber originating from pulp and paper industry: Laboratory scale anaerobic reactor studies and ideas of scaling up". *Water Research*. 2018, 143. 209-217. <https://doi.org/10.1016/j.watres.2018.06.054>

Chatterjee, Pritha et al. "Selective enrichment of biocatalysts for bioelectrochemical systems: A critical review". *Renewable and Sustainable Energy Reviews*. 2019, 109. 10-23. <https://doi.org/10.1016/j.rser.2019.04.012>

Ciranna, Alessandro et al. "Inhibitory effects of substrate and soluble end products on biohydrogen production of the alkalithermophile *Caloramator celer*: Kinetic, metabolic and transcription analyses". *International Journal of Hydrogen Energy*. 2014, 39(12). 6391-6401. <https://doi.org/10.1016/j.ijhydene.2014.02.047>

Ciranna, Alessandro et al. "Assessment of metabolic flux distribution in the thermophilic hydrogen producer *Caloramator celer* as affected by external pH and hydrogen partial pressure". *Microbial Cell Factories*. 2014. 13(1). <https://doi.org/10.1186/1475-2859-13-48>

Dessi, Paolo et al. "Temperature control as key factor for optimal biohydrogen production from thermomechanical pulping wastewater". *Biochemical Engineering Journal*. 2018, 137. 214-221. <https://doi.org/10.1016/j.bej.2018.05.027>

Dhieb, A. C. et al. "Synthesis, crystal structure, physico-chemical characterization and dielectric properties of a new hybrid material, 1-Ethylpiperazine-1,4-diium tetrachlorocadmate". *Journal of Molecular Structure*. 2015, 1102. 50-56. <https://doi.org/10.1016/j.molstruc.2015.08.044>

Di Capua, Francesco et al. "High-rate thiosulfate-driven denitrification at pH lower than 5 in fluidized-bed reactor". *Chemical Engineering Journal*. 2017, 310, Part 1. 282-291. <https://doi.org/10.1016/j.cej.2016.10.117>

- Doddapaneni, Tharaka Rama Krishna C. et al. "Anaerobic batch conversion of pine wood torrefaction condensate". *Bioresource Technology*. 2017, 225. 299-307. <https://doi.org/10.1016/j.biortech.2016.11.073>
- Eregowda, Tejaswini et al. "Performance of a biotrickling filter for the anaerobic utilization of gas-phase methanol coupled to thiosulphate reduction and resource recovery through volatile fatty acids production". *Bioresource Technology*. 2018, 263. 591-600. <https://doi.org/10.1016/j.biortech.2018.04.095>
- Ferreira, Silvia A. et al. "Bi-directional cell-pericellular matrix interactions direct stem cell fate". *Nature Communications*. 2018. 9(1). <https://doi.org/10.1038/s41467-018-06183-4>
- Haavisto, Johanna M., Aino-Maija Lakaniemi, and Jaakko A. Puhakka. "Storing of exoelectrogenic anolyte for efficient microbial fuel cell recovery". *Environmental Technology*. 2019. 40(11). <https://doi.org/10.1080/09593330.2017.1423395>
- Heino, Ossi and Ari-Veikko Anttiroiko *Enabling and Integrative Infrastructure Policy: The Role of Inverse Infrastructures in Local Infrastructure Provision with Special Reference to Finnish Water Cooperatives* MPRA Paper; 60276. MPRA. 2014.
- Hulatt, Chris J. et al. "Energy Demands of Nitrogen Supply in Mass Cultivation of Two Commercially Important Microalgal Species, *Chlorella vulgaris* and *Dunaliella tertiolecta*". *BioEnergy Research*. 2012, 5(3). 669-684. <https://doi.org/10.1007/s12155-011-9175-x>
- Jaatinen, Sanna, Aino-Maija Lakaniemi, and Jukka Rintala. "Use of diluted urine for cultivation of *Chlorella vulgaris*". *Environmental Technology*. 2016, 37(9). 1159-1170. <https://doi.org/10.1080/09593330.2015.1105300>
- Jain, Rohan et al. "Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles". *Chemical Engineering Journal*. 2016, 284. 917-925. <https://doi.org/10.1016/j.cej.2015.08.144>
- Jain, Rohan et al. *Uranium Removal via Sorption Using Peat and Waste Digested Activated Sludge*. 2017.
- Juuti, Petri and Tapio Katko. "Water supply and sanitation services in finland before world war 2". *Flux*. 2014, 97-98(4). 80-87.
- Kainulainen, Tuomo P. et al. "UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol". *Macromolecules*. 2018, 51(5). 1822-1829. <https://doi.org/10.1021/acs.macromol.7b02457>
- Kallistova, A. Yu. et al. "Culturable psychrotolerant methanotrophic bacteria in landfill cover soil". *Microbiology*. 2013, 82(6). 847-855. <https://doi.org/10.1134/S0026261714010044>
- Kannisto, Matti et al. "Metabolic engineering of *Acinetobacter baylyi* ADP1 for improved growth on gluconate and glucose". *Applied and Environmental Microbiology*. 2014, 80(22). 7021-7027. <https://doi.org/10.1128/AEM.01837-14>
- Kannisto, Matti S. et al. "Metabolic engineering of *Acinetobacter baylyi* ADP1 for removal of *Clostridium butyricum* growth inhibitors produced from lignocellulosic hydrolysates". *Biotechnology for Biofuels*. 2015. 8(1). <https://doi.org/10.1186/s13068-015-0389-6>
- Katko, Tapio. "Vesihuolto tarvitsee tutkimusta ja koulutusta". *Kuntatekniikka*. 2015, (2). 17.
- Kinnunen, V., A. Ylä-Outinen, and J. Rintala. "Mesophilic anaerobic digestion of pulp and paper industry biosludge-long-term reactor performance and effects of thermal pretreatment". *Water Research*. 2015, 87. 105-111. <https://doi.org/10.1016/j.watres.2015.08.053>

Kokko, Marika, Veera Koskue, and Jukka Rintala *Methane production from 30-100 year old sedimented fibre from pulp and paper industry*. 2017.

Korpela, Matti T. et al. "A recombinant Escherichia coli sensor strain for the detection of tetracyclines". *Analytical Chemistry*. 1998, 70(21). 4457-4462. <https://doi.org/10.1021/ac980740e>

Kramb, Jason et al. "Modeling of the catalytic effects of potassium and calcium on spruce wood gasification in CO<sub>2</sub>". *Fuel Processing Technology*. 2016, 148. 50-59. <https://doi.org/10.1016/j.fuproc.2016.01.031>

Kurki, Vuokko, Annina Takala and Eija Vinnari. "Clashing coalitions: A discourse analysis of an artificial groundwater recharge project in Finland". *Local Environment*. 2016, 21(11). 1317-1331. <https://doi.org/10.1080/13549839.2015.1113516>

Laasasenaho, Kari *Biomass Resource Allocation for Bioenergy Production on Cutaway Peatlands with Geographical Information (GI) Analyses* Tampere University Dissertations. Tampere University. 2019.

Laasasenaho, K. et al. "Biogas and combustion potential of fresh reed canary grass grown on cutover peatland". *Mires and Peat*. 2020. 26. <https://doi.org/10.19189/MaP.2019.OMB.StA.1786>

Lajunen, Tatu et al. "Light induced cytosolic drug delivery from liposomes with gold nanoparticles". *Journal of Controlled Release*. 2015, 203. 85-98. <https://doi.org/10.1016/j.jconrel.2015.02.028>

Lakaniemi, Aino-Maija, Olli H. Tuovinen, and Jaakko A. Puhakka. "Production of Electricity and Butanol from Microalgal Biomass in Microbial Fuel Cells". *BioEnergy Research*. 2012, 5(2). 481-491. <https://doi.org/10.1007/s12155-012-9186-2>

Lakaniemi, Aino-Maija et al. "Mine wastewater treatment using Phalaris arundinacea plant material hydrolyzate as substrate for sulfate-reducing bioreactor". *Bioresource Technology*. 2010, 101(11). 3931-3939. <https://doi.org/10.1016/j.biortech.2010.01.020>

Lakaniemi, Aino-Maija et al. "Growth of Dunaliella tertiolecta and associated bacteria in photobioreactors". *Journal of Industrial Microbiology and Biotechnology*. 2012, 39(9). 1357-1365. <https://doi.org/10.1007/s10295-012-1133-x>

Lakaniemi, Aino-Maija et al. "Growth of Chlorella vulgaris and associated bacteria in photobioreactors". *Microbial Biotechnology*. 2012, 5(1). 69-78. <https://doi.org/10.1111/j.1751-7915.2011.00298.x>

Lakaniemi, A.-M. et al. "Hydrolysed cellulose material as sulfate reduction electron donor to treat metal- and sulfate containing waste water". *Advanced Materials Research*. 2007, 20-21. 326-326. <https://doi.org/10.4028/www.scientific.net/AMR.20-21.326>

Lakaniemi, Aino-Maija et al. "Biogenic hydrogen and methane production from reed canary grass". *Biomass & Bioenergy*. 2011, 35(2). 773-780. <https://doi.org/10.1016/j.biombioe.2010.10.032>

Lakaniemi, Aino-Maija et al. "Biogenic hydrogen and methane production from Chlorella vulgaris and Dunaliella tertiolecta biomass". *Biotechnology for Biofuels*. 2011, 4(1). 1-12. <https://doi.org/10.1186/1754-6834-4-34>

Lappalainen, Juha O. et al. "Comparison of the total mercury content in sediment samples with a mercury sensor bacteria test and Vibrio fischeri toxicity test". *Environmental Toxicology*. 2000, 15(5). 443-448. [https://doi.org/10.1002/1522-7278\(2000\)15:5<443::AID-TOX12>3.0.CO;2-L](https://doi.org/10.1002/1522-7278(2000)15:5<443::AID-TOX12>3.0.CO;2-L)

Lappalainen, Jukka et al. "Sub- and Supercritical Water Liquefaction of Kraft Lignin and Black Liquor Derived Lignin". *Energies*. 2020. 13(13). <https://doi.org/10.3390/en13133309>

Ledezma, Pablo et al. "Recovering Nitrogen as a Solid without Chemical Dosing: Bio-Electroconcentration for Recovery of Nutrients from Urine". *Environmental Science and Technology Letters*. 2017, 4(3). 119-124. <https://doi.org/10.1021/acs.estlett.7b00024>

Maanoja, Susanna T. and Jukka A. Rintala. "Methane oxidation potential of boreal landfill cover materials: The governing factors and enhancement by nutrient manipulation". *Waste Management*. 2015, 46. 399-407. <https://doi.org/10.1016/j.wasman.2015.08.011>

Maanoja, Susanna and Jukka Rintala "Factors affecting the elimination capacity of a passive methane biofilter". *BioTechniques Ghent 2015 The 6th international conference on biotechniques for air pollution control: Conference Proceedings*. 2015, 83-88.

Maanoja, Susanna et al. "Compacted bentonite as a source of substrates for sulfate-reducing microorganisms in a simulated excavation-damaged zone of a spent nuclear fuel repository". *APPLIED CLAY SCIENCE*. 2020. 196. <https://doi.org/10.1016/j.clay.2020.105746>

Mangayil, Rahul *Biohydrogen Production: A Protein to Community Level Perspective Study* Tampere University of Technology. Publication. Tampere University of Technology. 2015.

Mangayil, Rahul et al. "Improved bioconversion of crude glycerol to hydrogen by statistical optimization of media components". *Renewable Energy*. 2015, 75. 583-589. <https://doi.org/10.1016/j.renene.2014.10.051>

Mangayil, Rahul et al. "Recombinant antibodies for specific detection of clostridial [Fe-Fe] hydrogenases". *Scientific Reports*. 2016. 6. <https://doi.org/10.1038/srep36034>

Mangayil, Rahul et al. "Co-production of 1,3 propanediol and long-chain alkyl esters from crude glycerol". *New Biotechnology*. 2019, 53. 81-89. <https://doi.org/10.1016/j.nbt.2019.07.003>

Marjakangas, Jatta M. et al. "Lipid production by eukaryotic microorganisms isolated from palm oil mill effluent". *Biochemical Engineering Journal*. 2015, 99. 48-54. <https://doi.org/10.1016/j.bej.2015.03.006>

Marjakangas, Jatta M. et al. "Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggery wastewater". *Biochemical Engineering Journal*. 2015, 103. 177-184. <https://doi.org/10.1016/j.bej.2015.07.011>

Marjakangas, Jatta M. et al. "Selecting an indigenous microalgal strain for lipid production in anaerobically treated piggery wastewater". *Bioresource Technology*. 2015, 191. 369-376. <https://doi.org/10.1016/j.biortech.2015.02.075>

Marjakangas, Jatta *Production of Oleaginous Microbial Biomass by Reusing Wastewaters* Tampere University of Technology. Publication. Tampere University of Technology. 2015.

Markou, Giorgos et al. "Cultivation and safety aspects of *Arthrospira platensis* (Spirulina) grown with struvite recovered from anaerobic digestion plant as phosphorus source". *Algal Research*. 2019. 44. <https://doi.org/10.1016/j.algal.2019.101716>

Masood, Muhammad Talha et al. "Impact of film thickness of ultra-thin dip-coated compact TiO<sub>2</sub> layers on the performance of mesoscopic perovskite solar cells". *ACS Applied Materials and Interfaces*. 2017, 9(21). 17906-17913. <https://doi.org/10.1021/acsami.7b02868>

Meng, Lu et al. "Gene expression profiles of *Vibrio parahaemolyticus* in viable but non-culturable state". *FEMS Microbiology Ecology*. 2015. 91(5). <https://doi.org/10.1093/femsec/fiv035>

Mönkäre, Tiina J., Marja R. T. Palmroth, and Jukka A. Rintala. "Characterization of fine fraction mined from two Finnish landfills". *Waste Management*. 2016, 47A. 34-39. <https://doi.org/10.1016/j.wasman.2015.02.034>

Mönkäre, T. J., M. R. T. Palmroth, and J. A. Rintala. "Stabilization of fine fraction from landfill mining in anaerobic and aerobic laboratory leach bed reactors". *Waste Management*. 2015, 45. 468-475. <https://doi.org/10.1016/j.wasman.2015.06.040>

Mönkäre, Tiina J., Marja R. T. Palmroth, and Jukka A. Rintala. "Screening biological methods for laboratory scale stabilization of fine fraction from landfill mining". *Waste Management*. 2017, 60. 739-747. <https://doi.org/10.1016/j.wasman.2016.11.015>

Mönkäre, Tiina *Characterization and biological stabilization of fine fraction from landfill mining* Tampere University of Technology. Publication. Tampere University of Technology. 2018.

Nancharaiah, Yarlalagadda V. and Piet N. L. Lens. "Selenium biomineralization for biotechnological applications". *Trends in Biotechnology*. 2015, 33(6). 323-330. <https://doi.org/10.1016/j.tibtech.2015.03.004>

Nancharaiah, Y. V., S. Venkata Mohan and P.N.L. Lens. "Metals removal and recovery in bioelectrochemical systems: A review". *Bioresource Technology*. 2015, 195. 102-114. <https://doi.org/10.1016/j.biortech.2015.06.058>

Niemi, Riikka J. et al. "FAIMS analysis of urine gaseous headspace is capable of differentiating ovarian cancer". *Gynecologic Oncology*. 2018, 151(3). 519-524. <https://doi.org/10.1016/j.ygyno.2018.09.016>

Nykänen, Hannu, Promise A. Mpamah, and Antti J. Rissanen. "Stable carbon isotopic composition of peat columns, subsoil and vegetation on natural and forestry-drained boreal peatlands". *Isotopes in Environmental and Health Studies*. 2018. 54(6). <https://doi.org/10.1080/10256016.2018.1523158>

Nykänen, Hannu et al. "Carbon storage change and  $\delta^{13}\text{C}$  transitions of peat columns in a partially forestry-drained boreal bog". *Plant and Soil*. 2019. <https://doi.org/10.1007/s11104-019-04375-5>

Okonkwo, Onyinye et al. "Bioaugmentation enhances dark fermentative hydrogen production in cultures exposed to short-term temperature fluctuations". *Applied Microbiology and Biotechnology*. 2019. <https://doi.org/10.1007/s00253-019-10203-8>

O'Neill, Mia *Ecological Sanitation - A Logical Choice? The Development of the Sanitation Institution in a World Society* Tampere University of Technology. Publication. Tampere University of Technology. 2015.

Palmroth, Marja Riitta Tuulikki, Tiina Johanna Mönkäre and Kari T Steffen "Fungal treatment of landfill mining fine fraction to increase its stability and end-use potential". Kalogerakis, Nicolas Fava, Fabio Manousaki, Elena (editors). *Book of abstracts of the 6th European Bioremediation Conference*. 2015, 47.

Palmroth, Marja Riitta Tuulikki et al. *Mitigation of propylene glycol emissions to groundwater and soil*. 2016.

Pastor-Poquet, Vicente et al. "Semi-continuous mono-digestion of OFMSW and Co-digestion of OFMSW with beech sawdust: Assessment of the maximum operational total solid content". *Journal of Environmental Management*. 2019, 231. 1293-1302. <https://doi.org/10.1016/j.jenvman.2018.10.002>

Perander, M. et al. "Catalytic effect of Ca and K on CO<sub>2</sub> gasification of spruce wood char". *Fuel*. 2015, 150. 464-472. <https://doi.org/10.1016/j.fuel.2015.02.062>

Rasa, Kimmo et al. "How and why does willow biochar increase a clay soil water retention capacity?". *Biomass and Bioenergy*. 2018, 119. 346-353. <https://doi.org/10.1016/j.biombioe.2018.10.004>

Saarela, Taija et al. "CH<sub>4</sub> oxidation in a boreal lake during the development of hypolimnetic hypoxia". *Aquatic Sciences*. 2019. 82(2). <https://doi.org/10.1007/s00027-019-0690-8>

Saarenheimo, Jatta et al. "Microbial community response on wastewater discharge in boreal lake sediments". *Frontiers in Microbiology*. 2017. 8. <https://doi.org/10.3389/fmicb.2017.00750>

Salunke, Jagadish et al. "Fluorination of pyrene-based organic semiconductors enhances the performance of light emitting diodes and halide perovskite solar cells". *Organic Electronics*. 2019. <https://doi.org/10.1016/j.orgel.2019.105524>

Santala, Suvi *Developing Synthetic Biology Tools and Model Chassis: Production of Bioenergy and High-Value Molecules* Tampere University of Technology. Publication. Tampere University of Technology. 2015.

Santala, Suvi et al. "Rewiring the wax ester production pathway of acinetobacter baylyi ADP1". *ACS Synthetic Biology*. 2014, 3(3). 145-151. <https://doi.org/10.1021/sb4000788>

Sariola-Leikas, Essi *Organic Chromophores in Self-Assembled Monolayers and Supramolecular Arrays* Tampere University of Technology. Publication. Tampere University of Technology. 2015.

Singh, Suniti, Marika Kokko, and Jukka Rintala *Start-up of anaerobic digester treating LCFA containing wastewater at low temperature*. 2017.

Singh, Suniti et al. *Study of LCFA mediated granular disintegration in EGSB at low temperature using Static Image Analysis*. 2017.

Sippola, Roosa J. et al. "Carbazole-based small molecule electron donors: Syntheses, characterization, and material properties". *Dyes and Pigments*. 2017, 150. 79-88. <https://doi.org/10.1016/j.dyepig.2017.11.014>

Sörensen, Johanna et al. "Interdisciplinary water research network building within Nordic and Baltic countries.". *Vatten*. 2015, (71). 79-83.

Sorkio, Anni E. et al. "Biomimetic collagen I and IV double layer Langmuir-Schaefer films as microenvironment for human pluripotent stem cell derived retinal pigment epithelial cells". *Biomaterials*. 2015, 51. 257-269. <https://doi.org/10.1016/j.biomaterials.2015.02.005>

Stumpel, Jelle E., Jeroen ter Schiphorst and Albertus P. H. J. Schenning "Photoresponsive Polymer Hydrogel Coatings that Change Topography". and Liu, Danqing Broer, Dirk (editors). *Responsive Polymer Surfaces: Dynamics in Surface Topography*. Wiley-VCH. 2017, 159-173. <https://doi.org/10.1002/9783527690534.ch7>

Sulonen, Mira et al. *Reduced Inorganic Sulfur Compounds of Simulated Mining Waters Support Bioelectrochemical and Electrochemical Current Generation*. 2017.

Sulonen, Mira et al. *Bioelectrochemical removal of inorganic sulfur compounds and copper from simulated acidic mining water*. 2017.

Taddeo, Raffaele and Raghida Lepistö. "Struvite precipitation in raw and co-digested swine slurries for nutrients recovery in batch reactors". *Water Science and Technology*. 2015, 71(6). 892-897. <https://doi.org/10.2166/wst.2015.045>

Tampio, Elina, Satu Ervasti, and Jukka Rintala. "Characteristics and agronomic usability of digestates from laboratory digesters treating food waste and autoclaved food waste". *Journal of Cleaner Production*. 2015, 94. 86-92. <https://doi.org/10.1016/j.jclepro.2015.01.086>

Tampio, Elina et al. "Use of laboratory anaerobic digesters to simulate the increase of treatment rate in full-scale high nitrogen content sewage sludge and co-digestion biogas plants". *Bioresource Technology*. 2016, 220. 47-54. <https://doi.org/10.1016/j.biortech.2016.08.058>

Tan, Lea Chua et al. "Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0". *Chemosphere*. 2018, 211. 684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>

Tauriainen, S. M., M. P. J. Virta and M. T. Karp. "Detecting bioavailable toxic metals and metalloids from natural water samples using luminescent sensor bacteria". *Water Research*. 2000, 34(10). 2661-2666. [https://doi.org/10.1016/S0043-1354\(00\)00005-1](https://doi.org/10.1016/S0043-1354(00)00005-1)

Tienaho, Jenni et al. "Method with high-throughput screening potential for antioxidative substances using *Escherichia coli* biosensor katG::lux". *Journal of Microbiological Methods*. 2015, 118. 78-80. <https://doi.org/10.1016/j.mimet.2015.08.018>

Turunen, Mika et al. "Quantifying the pore structure of different biochars and their impacts on the water retention properties of Sphagnum moss growing media". *Biosystems Engineering*. 2020, 191. 96-106. <https://doi.org/10.1016/j.biosystemseng.2020.01.006>

Uusheimo, Sari et al. "High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate". *Environmental science & technology*. 2018, 52(22). 13343-13350. <https://doi.org/10.1021/acs.est.8b03032>

Watsuntorn, Wannapawn et al. "Resilient performance of an anoxic biotrickling filter for hydrogen sulphide removal from a biogas mimic: Steady, transient state and neural network evaluation". *Journal of Cleaner Production*. 2019, 119351. <https://doi.org/10.1016/j.jclepro.2019.119351>

Zou, Gang et al. "Impact of heavy metals on denitrification of simulated mining wastewaters". *Advanced Materials Research*. 2013, 825. 500-503. <https://doi.org/10.4028/www.scientific.net/AMR.825.500>

Zou, G. et al. "Fluidized-bed denitrification of mining water tolerates high nickel concentrations". *Bioresource Technology*. 2015, 179. 284-290. <https://doi.org/10.1016/j.biortech.2014.12.044>

Zou, G. et al. "High rate autotrophic denitrification in fluidized-bed biofilm reactors". *Chemical Engineering Journal*. 2016, 284. 1287-1294. <https://doi.org/10.1016/j.cej.2015.09.074>

Zou, Gang *Biological Nitrogen Removal from Acidic, Heavy-metal Containing Waters* Tampere University of Technology. Publication. Tampere: Tampere University of Technology. 2015.