

Singh, Suniti et al. "Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C: Process performance and microbial community dynamics". *Science of the Total Environment*. 2019, 691. 960-968. <https://doi.org/10.1016/j.scitotenv.2019.07.136>

Haavisto, Johanna et al. "Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell". *Chemical Engineering Journal*. 2019, 372. 141-150. <https://doi.org/10.1016/j.cej.2019.04.090>

Karjalainen, Panu et al. "Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines". *Environmental science & technology*. 2019, 53(17). 10408-10416. <https://doi.org/10.1021/acs.est.9b04073>

Lehmusto, Juho et al. "Detection of gaseous species during KCl-induced high-temperature corrosion by the means of CPFAAS and CI-API-TOF". *Materials and Corrosion*. 2019. <https://doi.org/10.1002/maco.201910964>

Juuti, Paxton et al. "Fabrication of fiber filters with antibacterial properties for VOC and particle removal". *Aerosol and Air Quality Research*. 2019, 19(8). 1892-1899. <https://doi.org/10.4209/aaqr.2018.12.0474>

Kuula, Joel et al. "Applicability of optical and diffusion charging-based particulate matter sensors to urban air quality measurements". *Aerosol and Air Quality Research*. 2019, 19(5). 1024-1039. <https://doi.org/10.4209/aaqr.2018.04.0143>

Salo, Laura et al. "Emission measurements with gravimetric impactors and electrical devices: An aerosol instrument comparison". *Aerosol Science and Technology*. 2019, 53(5). 526-539. <https://doi.org/10.1080/02786826.2019.1578858>

Schönborn, Gregor et al. "Why social sustainability counts: The impact of corporate social sustainability culture on financial success". *Sustainable Production and Consumption*. 2019, 17. 1-10. <https://doi.org/10.1016/j.spc.2018.08.008>

Jagadabhi, Padma Shanthi et al. "Effect of macro- and micro-nutrients addition during anaerobic mono-digestion of grass silage in leach-bed reactors". *Environmental Technology*. 2019, 40(4). 418-429. <https://doi.org/10.1080/09593330.2017.1393462>

Pastor-Poquet, V. et al. "High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition". *INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY*. 2019. <https://doi.org/10.1007/s13762-019-02264-z>

Länsivaara, Tim. "Editorial". *Environmental Geotechnics*. 2018, 5(6). <https://doi.org/10.1680/jenge.2018.5.6.309>

Aakko-Saksa, Päivi et al. "Considerations in analysing elemental carbon from marine engine exhaust using residual, distillate and biofuels". *Journal of Aerosol Science*. 2018, 126. 191-204. <https://doi.org/10.1016/j.jaerosci.2018.09.005>

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>

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>

Saari, Sampo et al. "Performance evaluation of the HR-ELPI + inversion". *Aerosol Science and Technology*. 2018, 52(9). 1037-1047. <https://doi.org/10.1080/02786826.2018.1500679>

Hyväluoma, Jari et al. "Quantitative characterization of pore structure of several biochars with 3D imaging". *Environmental Science and Pollution Research*. 2018, 25(26). 1-11. <https://doi.org/10.1007/s11356-017-8823-x>

Järvinen, A., J. Keskinen and J. Yli-Ojanperä. "Extending the Faraday cup aerosol electrometer based calibration method up to 5 µm". *Aerosol Science and Technology*. 2018, 52(8). 828-840. <https://doi.org/10.1080/02786826.2018.1472742>

Leivo, Virpi et al. "Indoor thermal environment, air exchange rates, and carbon dioxide concentrations before and after energy retro fits in Finnish and Lithuanian multi-family buildings". *Science of the Total Environment*. 2018, 621. 398-406. <https://doi.org/10.1016/j.scitotenv.2017.11.227>

Karvinen, Jennika et al. "Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells". *Reactive and Functional Polymers*. 2018, 124. 29-39. <https://doi.org/10.1016/j.reactfunctpolym.2017.12.019>

Doddapaneni, Tharaka Rama Krishna C. et al. "Adsorption of furfural from torrefaction condensate using torrefied biomass". *Chemical Engineering Journal*. 2018, 334. 558-568. <https://doi.org/10.1016/j.cej.2017.10.053>

Streck, J. et al. "Bio-electrochemical conversion of industrial wastewater-COD combined with downstream methanol synthesis-an economic and life cycle assessment". *Green Chemistry*. 2018, 20(12). 2742-2762. <https://doi.org/10.1039/c8gc00543e>

Amanatidis, Stavros et al. "Comparative performance of a thermal denuder and a catalytic stripper in sampling laboratory and marine exhaust aerosols". *Aerosol Science and Technology*. 2018, 52(4). 1-13. <https://doi.org/10.1080/02786826.2017.1422236>

Rostedt, A. and J. Keskinen. "Flow rate-independent electrical aerosol sensor". *Aerosol Science and Technology*. 2018, 52(11). 1283-1292. <https://doi.org/10.1080/02786826.2018.1498586>

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>

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>

Milani, Roberto et al. "Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains". *CheM*. 2017, 2(3). 417-426. <https://doi.org/10.1016/j.chempr.2017.02.003>

Affman, A. et al. "Differential diffusion analyzer". *Aerosol Science and Technology*. 2017, 51(12). 1429-1437. <https://doi.org/10.1080/02786826.2017.1367089>

Karjalainen, Panu et al. "Performance of ventilation filtration technologies on characteristic traffic related aerosol down to nanocluster size". *Aerosol Science and Technology*. 2017, 51(12). 1398-1408. <https://doi.org/10.1080/02786826.2017.1356904>

Dal Maso, Miikka et al. "Improving urban air quality measurements by a diffusion charger based electrical particle sensors: A field study in Beijing, China". *Aerosol and Air Quality Research*. 2016, 16(12). 3001-3011.

Jain, Rohan et al. "Higher Cd adsorption on biogenic elemental selenium nanoparticles". *ENVIRONMENTAL CHEMISTRY LETTERS*. 2016, 14(3). 381-386. <https://doi.org/10.1007/s10311-016-0560-8>

Juuti, Paxton et al. "Real-time effective density monitor (DENSMO) for aerosol nanoparticle production". *Aerosol Science and Technology*. 2016, 50(5). 487-496. <https://doi.org/10.1080/02786826.2016.1168511>

Pihlava, Katri, Jorma Keskinen and Jaakko Yli-Ojanperä. "Improving the signal-to-noise ratio of Faraday cup aerosol electrometer based aerosol instrument calibrations". *Aerosol Science and Technology*. 2016, 50(4). 373-379. <https://doi.org/10.1080/02786826.2016.1153035>

Mensah-Attipoe, Jacob et al. "Release and characteristics of fungal fragments in various conditions". *Science of the Total Environment*. 2016, 547. 234-243. <https://doi.org/10.1016/j.scitotenv.2015.12.095>

Szabo, Hilda Marta, Raghida Lepistö and Tuula Tuhkanen. "HPLC-SEC: a new approach to characterise complex wastewater effluents". *International Journal of Environmental Analytical Chemistry*. 2016, 96(3). 257-270. <https://doi.org/10.1080/03067319.2016.1150463>

Saari, S. et al. "Identification of single microbial particles using electro-dynamic balance assisted laser-induced breakdown and fluorescence spectroscopy". *Aerosol Science and Technology*. 2016, 50(2). 126-132. <https://doi.org/10.1080/02786826.2015.1134764>

Kuuluvainen, Heino et al. "Triboelectric charging of fungal spores during resuspension and rebound". *Aerosol Science and Technology*. 2016, 50(2). 187-197. <https://doi.org/10.1080/02786826.2016.1141164>

Pirjola, Liisa et al. "Physical and Chemical Characterization of Real-World Particle Number and Mass Emissions from City Buses in Finland". *Environmental Science and Technology*. 2016, 50(1). 294-304. <https://doi.org/10.1021/acs.est.5b04105>

Seo, Jung Yoon et al. "Downstream integration of microalgae harvesting and cell disruption by means of cationic surfactant-decorated Fe<sub>3</sub>O<sub>4</sub> nanoparticles". *Green Chemistry*. 2016, 18(14). 3981-3989. <https://doi.org/10.1039/c6gc00904b>

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>

Espinosa-Ortiz, Erika J. et al. "Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets". *Environmental Science and Pollution Research*. 2016, 23(21). 21619-21630. <https://doi.org/10.1007/s11356-016-7333-6>

Seo, Jung Yoon et al. "Tri-functionality of Fe<sub>3</sub>O<sub>4</sub>-embedded carbon microparticles in microalgae harvesting". *Chemical Engineering Journal*. 2015, 280. 206-214. <https://doi.org/10.1016/j.cej.2015.05.122>

Arffman, Anssi et al. "The critical velocity of rebound determined for sub-micron silver particles with a variable nozzle area impactor". *Journal of Aerosol Science*. 2015, 86. 32-43. <https://doi.org/10.1016/j.jaerosci.2015.04.003>

Pirjola, Liisa et al. "Effects of fresh lubricant oils on particle emissions emitted by a modern gasoline direct injection passenger car". *Environmental Science and Technology*. 2015, 49(6). 3644-3652. <https://doi.org/10.1021/es505109u>

Ramasamy, Praveenkumar et al. "Breaking dormancy: An energy-efficient means of recovering astaxanthin from microalgae". *Green Chemistry*. 2015, 17(2). 1226-1234. <https://doi.org/10.1039/c4gc01413h>

Koivisto, A. J. et al. "Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory". *Environmental Sciences: Processes and Impacts*. 2015, 17(1). 62-73. <https://doi.org/10.1039/c4em00532e>

Di Capua, Francesco et al. "Chemolithotrophic denitrification in biofilm reactors". *Chemical Engineering Journal*. 2015, 280. 643-657. <https://doi.org/10.1016/j.cej.2015.05.131>

Saari, Sampo et al. "Seasonal and diurnal variations of fluorescent bioaerosol concentration and size distribution in the urban environment". *Aerosol and Air Quality Research*. 2015, 15(2). 572-581. <https://doi.org/10.4209/aaqr.2014.10.0258>

Amanatidis, Stavros et al. "Impact of selective catalytic reduction on exhaust particle formation over excess ammonia events". *Environmental Science and Technology*. 2014, 48(19). 11527-11534. <https://doi.org/10.1021/es502895v>

Giechaskiel, Barouch et al. "Review of motor vehicle particulate emissions sampling and measurement: From smoke and filter mass to particle number". *Journal of Aerosol Science*. 2014, 67. 48-86. <https://doi.org/10.1016/j.jaerosci.2013.09.003>

Gerlofs-Nijland, Miriam E. et al. "Cell toxicity and oxidative potential of engine exhaust particles: Impact of using particulate filter or biodiesel fuel blend". *Environmental Science and Technology*. 2013, 47(11). 5931-5938. <https://doi.org/10.1021/es305330y>

Bayr, Suvi, Prasad Kaparaju, and Jukka Rintala. "Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge". *Chemical Engineering Journal*. 2013, 223. 479-486. <https://doi.org/10.1016/j.cej.2013.02.119>

Amanatidis, Stavros et al. "Evaluation of an oxidation catalyst ("catalytic stripper") in eliminating volatile material from combustion aerosol". *Journal of Aerosol Science*. 2013, 57. 144-155. <https://doi.org/10.1016/j.jaerosci.2012.12.001>

Kaparaju, Prasad, Jukka Rintala and Aimo Oikari. "Agricultural potential of anaerobically digested industrial orange waste with and without aerobic post-treatment". *Environmental Technology*. 2012, 33(1). 85-94. <https://doi.org/10.1080/09593330.2011.551839>

Tuurna, S. et al. "Optimised selection of new protective coatings for biofuel boiler applications". *Materials and Corrosion-Werkstoffe und Korrosion*. 2011, 62(7). 642-649. <https://doi.org/10.1002/maco.201005898>

Sivula, Leena et al. "Weathering of gasification and grate bottom ash in anaerobic conditions". *Journal of Hazardous Materials*. 2010, 174(1-3). 344-351. <https://doi.org/10.1016/j.jhazmat.2009.09.056>

Dressen, Mark H C L et al. "The mechanism of the oxidation of benzyl alcohol by iron(III)nitrate: Conventional versus microwave heating". *Green Chemistry*. 2009, 11(1). 60-64. <https://doi.org/10.1039/b813030b>

Sormunen, Kai, Matti Ettala, and Jukka Rintala. "Internal leachate quality in a municipal solid waste landfill: Vertical, horizontal and temporal variation and impacts of leachate recirculation". *Journal of Hazardous Materials*. 2008, 160(2-3). 601-607. <https://doi.org/10.1016/j.jhazmat.2008.03.081>

Einola, J.-K. M., K. M. Sormunen, and J. A. Rintala. "Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste". *Science of the Total Environment*. 2008, 407(1). 67-83. <https://doi.org/10.1016/j.scitotenv.2008.08.016>

Jagadabhi, P. S., A. Lehtomäki, and J. Rintala. "CO-digestion of grass silage and cow manure in a CSTR by re-circulation of alkali treated solids of the digestate". *Environmental Technology*. 2008, 29(10). 1085-1093. <https://doi.org/10.1080/09593330802180385>

Luostarinen, S., O. Pakarinen, and J. Rintala. "Screening for potential fermentative hydrogen production from black water and kitchen waste in on-site UASB reactor at 20°C". *Environmental Technology*. 2008, 29(6). 691-699. <https://doi.org/10.1080/09593330801987038>

Sivula, Leena, Ari Väisänen, and Jukka Rintala. "Stabilisation of MSWI bottom ash with sulphide-rich anaerobic effluent". *Chemosphere*. 2008, 71(1). 1-9. <https://doi.org/10.1016/j.chemosphere.2007.10.060>

- Kettunen, Riitta H., Juha Kalle M Einola, and Jukka A. Rintala. "Landfill methane oxidation in engineered soil columns at low temperature". *Water Air and Soil Pollution*. 2006, 177(1-4). 313-334. <https://doi.org/10.1007/s11270-006-9176-0>
- Kaparaju, P. L N and J. A. Rintala. "Thermophilic anaerobic digestion of industrial orange waste". *Environmental Technology*. 2006, 27(6). 623-633. <https://doi.org/10.1080/09593332708618676>
- Suvilampi, J., A. Lehtomäki, and J. Rintala. "Biomass characterization of laboratory-scale thermophilic-mesophilic wastewater treatment processes". *Environmental Technology*. 2006, 27(1). 41-51. <https://doi.org/10.1080/09593332708618620>
- Kaparaju, P. L N and J. A. Rintala. "The effects of post-treatments and temperature on recovering the methane potential of >2 mm solid fraction of digested cow manure". *Environmental Technology*. 2005, 26(6). 625-631.
- Marttinen, Sanna K., Kari Hänninen, and Jukka A. Rintala. "Removal of DEHP in composting and aeration of sewage sludge". *Chemosphere*. 2004, 54(3). 265-272. [https://doi.org/10.1016/S0045-6535\(03\)00661-1](https://doi.org/10.1016/S0045-6535(03)00661-1)
- Marttinen, Sanna K., Riitta H. Kettunen, and Jukka A. Rintala. "Occurrence and removal of organic pollutants in sewages and landfill leachates". *Science of the Total Environment*. 2003, 301(1-3). 1-12.
- Kaparaju, P. L N and J. A. Rintala. "Effects of temperature on post-methanation of digested dairy cow manure in a farm-scale biogas production system". *Environmental Technology*. 2003, 24(10). 1315-1321.
- Salminen, E., J. Einola, and J. Rintala. "The methane production of poultry slaughtering residues and effects of pre-treatments on the methane production of poultry feather". *Environmental Technology*. 2003, 24(9). 1079-1086. <https://doi.org/10.1080/09593330309385648>
- Suvilampi, J. and J. Rintala. "Comparison of activated sludge processes at different temperatures: 35°C, 2-55°C, and 55°C". *Environmental Technology*. 2002, 23(10). 1127-1133.
- Marttinen, S. K. et al. "Screening of physical-chemical methods for removal of organic material, nitrogen and toxicity from low strength landfill leachates". *Chemosphere*. 2002, 46(6). 851-858. [https://doi.org/10.1016/S0045-6535\(01\)00150-3](https://doi.org/10.1016/S0045-6535(01)00150-3)
- Tuppurainen, K. O., A. O. Väisänen, and J. A. Rintala. "Sulphate-reducing laboratory-scale high-rate anaerobic reactors for treatment of metal-and sulphate-containing mine wastewater". *Environmental Technology*. 2002, 23(6). 599-608. <https://doi.org/10.1080/09593332308618382>
- Salminen, E., J. Einola, and J. Rintala. "Characterisation and anaerobic batch degradation of materials accumulating in anaerobic digesters treating poultry slaughterhouse waste". *Environmental Technology*. 2001, 22(5). 577-585.
- Shaughnessy, Daniel T. et al. "Mutation spectra of the drinking water mutagen 3-chloro-4-methyl-5-hydroxy-2(5H)-furanone (MCF) in Salmonella TA100 and TA104: Comparison to MX". *Environmental and Molecular Mutagenesis*. 2000, 35(2). 106-113. [https://doi.org/10.1002/\(SICI\)1098-2280\(2000\)35:2<106::AID-EM5>3.0.CO;2-U](https://doi.org/10.1002/(SICI)1098-2280(2000)35:2<106::AID-EM5>3.0.CO;2-U)
- Franzén, Robert, Kiyoshi Tanabe and Masatoshi Morita. "Ring-chain tautomerism of chlorinated hydroxyfuranones and reaction with nucleosides". *Chemosphere*. 1999, 38(5). 973-980. [https://doi.org/10.1016/S0045-6535\(98\)00358-0](https://doi.org/10.1016/S0045-6535(98)00358-0)
- Salminen, E. A. and J. A. Rintala. "Anaerobic digestion of poultry slaughtering wastes". *Environmental Technology*. 1999, 20(1). 21-28.
- Vuorio, Elina et al. "The evaluation of drinking water treatment performed with HPSEC". *Environment International*. 1998, 24(5-6). 617-623. [https://doi.org/10.1016/S0160-4120\(98\)00040-3](https://doi.org/10.1016/S0160-4120(98)00040-3)

Franzén, Robert, Kiyoshi Tanabe and Masatoshi Morita. "Isolation of a MX-guanosine adduct formed at physiological conditions". *Chemosphere*. 1998, 36(13). 2803-2808. [https://doi.org/10.1016/S0045-6535\(97\)10237-5](https://doi.org/10.1016/S0045-6535(97)10237-5)

Vahala, R. et al. "The effects of nutrients on natural organic matter (NOM) removal in biological activated carbon (BAC) filtration". *Acta Hydrochimica et Hydrobiologica*. 1998, 26(3). 196-199. [https://doi.org/10.1002/\(SICI\)1521-401X\(199805\)26:3<196::AID-AHEH196>3.0.CO;2-I](https://doi.org/10.1002/(SICI)1521-401X(199805)26:3<196::AID-AHEH196>3.0.CO;2-I)

Smeds, A., R. Franzen and L. Kronberg. "Occurrence of some chlorinated enol lactones and cyclopentene-1,3-diones in chlorine-treated waters". *Environmental Science and Technology*. 1995, 29(7). 1839-1844. <https://doi.org/10.1021/es00007a022>

Franzén, Robert and Leif Kronberg. "Determination of chlorinated 5-methyl-5-hydroxyfuranones in drinking water, in chlorinated humic water, and in pulp bleaching liquor". *Environmental Science and Technology*. 1994, 28(12). 2222-2227. <https://doi.org/10.1021/es00061a035>

Fekadu, K. et al. "Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, in E. coli K-12 cells recovered from various organs of mice". *Environmental and Molecular Mutagenesis*. 1994, 24(4). 317-324. <https://doi.org/10.1002/em.2850240409>