

Aakko-Saksa P, Koponen P, Aurela M, Vesala H, Piimäkorpi P, Murtonen T, Sippula O, Koponen H, Karjalainen P, Kuittinen N, Panteliadis P, Rönkkö T, Timonen H. 2018. Considerations in analysing elemental carbon from marine engine exhaust using residual, distillate and biofuels. *Journal of Aerosol Science*. 126:191-204. <https://doi.org/10.1016/j.jaerosci.2018.09.005>

Alanen J, Isotalo M, Kuittinen N, Simonen P, Martikainen S, Kuuluvainen H, Honkanen M, Lehtoranta K, Nyssönen S, Vesala H, Timonen H, Aurela M, Keskinen J, Rönkkö T. 2020. Physical Characteristics of Particle Emissions from a Medium Speed Ship Engine Fueled with Natural Gas and Low-Sulfur Liquid Fuels. *Environmental Science and Technology*. 54(9):5376-5384. <https://doi.org/10.1021/acs.est.9b06460>

Amanatidis S, Ntziachristos L, Giechaskiel B, Bergmann A, Samaras Z. 2014. Impact of selective catalytic reduction on exhaust particle formation over excess ammonia events. *Environmental Science and Technology*. 48(19):11527-11534. <https://doi.org/10.1021/es502895v>

Amanatidis S, Ntziachristos L, Giechaskiel B, Katsaounis D, Samaras Z, Bergmann A. 2013. Evaluation of an oxidation catalyst ("catalytic stripper") in eliminating volatile material from combustion aerosol. *Journal of Aerosol Science*. 57:144-155. <https://doi.org/10.1016/j.jaerosci.2012.12.001>

Amanatidis S, Ntziachristos L, Karjalainen P, Saukko E, Simonen P, Kuittinen N, Aakko-Saksa P, Timonen H, Rönkkö T, Keskinen J. 2018. Comparative performance of a thermal denuder and a catalytic stripper in sampling laboratory and marine exhaust aerosols. *Aerosol Science and Technology*. 52(4):1-13. <https://doi.org/10.1080/02786826.2017.1422236>

Arffman A, Kuuluvainen H, Harra J, Vuorinen O, Juuti P, Yli-Ojanperä J, Mäkelä J, Keskinen J. 2015. The critical velocity of rebound determined for sub-micron silver particles with a variable nozzle area impactor. *Journal of Aerosol Science*. 86:32-43. <https://doi.org/10.1016/j.jaerosci.2015.04.003>

Arffman A, Juuti P, Harra J, Keskinen J. 2017. Differential diffusion analyzer. *Aerosol Science and Technology*. 51(12):1429-1437. <https://doi.org/10.1080/02786826.2017.1367089>

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

Carbone S, Timonen HJ, Rostedt A, Happonen M, Rönkkö T, Keskinen J, Ristimäki J, Korpi H, Artaxo P, Canagaratna M, Worsnop D, Canonaco F, Prévôt ASH, Hillamo R, Saarikoski S. 2019. Distinguishing fuel and lubricating oil combustion products in diesel engine exhaust particles. *Aerosol Science and Technology*. 53(5):594-607. <https://doi.org/10.1080/02786826.2019.1584389>

Chakraborty S, Rene ER, Lens PNL, Rintala J, Veiga MC, Kennes C. 2020. Effect of tungsten and selenium on C<sub>1</sub> gas bioconversion by an enriched anaerobic sludge and microbial community analysis. *Chemosphere*. 250. <https://doi.org/10.1016/j.chemosphere.2020.126105>

Chu B, Dada L, Liu Y, Yao L, Wang Y, Du W, Cai J, Dällenbach KR, Chen X, Simonen P, Zhou Y, Deng C, Fu Y, Yin R, Li H, He XC, Feng Z, Yan C, Kangasluoma J, Bianchi F, Jiang J, Kujansuu J, Kerminen VM, Petäjä T, He H, Kulmala M. 2020. Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China. *Science of the Total Environment*. 753. <https://doi.org/10.1016/j.scitotenv.2020.142207>

Dal Maso M, Gao J, Järvinen A, Li H, Luo D, Janka K, Rönkkö T. 2016. Improving urban air quality measurements by a diffusion charger based electrical particle sensors: A field study in Beijing, China. *Aerosol and Air Quality Research*. 16(12):3001-3011.

Di Capua F, Papirio S, Lens PNL, Esposito G. 2015. Chemolithotrophic denitrification in biofilm reactors. *Chemical Engineering Journal*. 280:643-657. <https://doi.org/10.1016/j.cej.2015.05.131>

- Doddapaneni TRKC, Jain R, Praveenkumar R, Rintala J, Romar H, Konttinen J. 2018. Adsorption of furfural from torrefaction condensate using torrefied biomass. *Chemical Engineering Journal*. 334:558-568. <https://doi.org/10.1016/j.cej.2017.10.053>
- Dressen MHCL, Stumpel JE, Van De Kruijs BHP, Meuldijk J, Vekemans JAJM, Hulshof LA. 2009. The mechanism of the oxidation of benzyl alcohol by iron(III)nitrate: Conventional versus microwave heating. *Green Chemistry*. 11(1):60-64. <https://doi.org/10.1039/b813030b>
- Einola J-KM, Sormunen KM, Rintala JA. 2008. Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste. *Science of the Total Environment*. 407(1):67-83. <https://doi.org/10.1016/j.scitotenv.2008.08.016>
- Eregowda T, Kokko ME, Rene ER, Rintala J, Lens PNL. 2020. Volatile fatty acid production from Kraft mill foul condensate in upflow anaerobic sludge blanket reactors. *Environmental Technology (United Kingdom)*. <https://doi.org/10.1080/09593330.2019.1703823>
- Espinosa-Ortiz EJ, Shakya M, Jain R, Rene ER, van Hullebusch ED, Lens PNL. 2016. Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets. *Environmental Science and Pollution Research*. 23(21):21619–21630. <https://doi.org/10.1007/s11356-016-7333-6>
- Fekadu K, Parzefall W, Kronberg L, Franzen R, Schulte-Hermann R, Knasmüller S. 1994. 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*. 24(4):317-324. <https://doi.org/10.1002/em.2850240409>
- Franzén R, Tanabe K, Morita M. 1999. Ring-chain tautomerism of chlorinated hydroxyfuranones and reaction with nucleosides. *Chemosphere*. 38(5):973-980. [https://doi.org/10.1016/S0045-6535\(98\)00358-0](https://doi.org/10.1016/S0045-6535(98)00358-0)
- Franzén R, Tanabe K, Morita M. 1998. Isolation of a MX-guanosine adduct formed at physiological conditions. *Chemosphere*. 36(13):2803-2808. [https://doi.org/10.1016/S0045-6535\(97\)10237-5](https://doi.org/10.1016/S0045-6535(97)10237-5)
- Franzén R, Kronberg L. 1994. Determination of chlorinated 5-methyl-5-hydroxyfuranones in drinking water, in chlorinated humic water, and in pulp bleaching liquor. *Environmental Science and Technology*. 28(12):2222-2227. <https://doi.org/10.1021/es00061a035>
- Gerlofs-Nijland ME, Totlandsdal AI, Tzamkiozis T, Leseman DLAC, Samaras Z, Låg M, Schwarze P, Ntziachristos L, Cassee FR. 2013. Cell toxicity and oxidative potential of engine exhaust particles: Impact of using particulate filter or biodiesel fuel blend. *Environmental Science and Technology*. 47(11):5931-5938. <https://doi.org/10.1021/es305330y>
- Giechaskiel B, Maricq M, Ntziachristos L, Dardiotis C, Wang X, Axmann H, Bergmann A, Schindler W. 2014. Review of motor vehicle particulate emissions sampling and measurement: From smoke and filter mass to particle number. *Journal of Aerosol Science*. 67:48-86. <https://doi.org/10.1016/j.jaerosci.2013.09.003>
- Haavisto J, Dessì P, Chatterjee P, Honkanen M, Noori MT, Kokko M, Lakaniemi AM, Lens PNL, Puhakka JA. 2019. Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell. *Chemical Engineering Journal*. 372:141-150. <https://doi.org/10.1016/j.cej.2019.04.090>
- Hajdu-Rahkama R, Özkaya B, Lakaniemi AM, Puhakka JA. 2020. Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic *Thioalkalivibrio versutus*. *Chemical Engineering Journal*. 401. <https://doi.org/10.1016/j.cej.2020.126047>
- Heikkilä P, Rossi J, Rostedt A, Huhtala J, Järvinen A, Toivonen J, Keskinen J. 2020. Toward elemental analysis of ambient single particles using electrodynamic balance and laser-induced breakdown spectroscopy. *Aerosol Science and Technology*. <https://doi.org/10.1080/02786826.2020.1727408>

- Hyväluoma J, Kulju S, Hannula M, Wikberg H, Källi A, Rasa K. 2018. Quantitative characterization of pore structure of several biochars with 3D imaging. *Environmental Science and Pollution Research*. 25(26):1-11. <https://doi.org/10.1007/s11356-017-8823-x>
- Jagadabhi PS, Lehtomäki A, Rintala J. 2008. CO-digestion of grass silage and cow manure in a CSTR by re-circulation of alkali treated solids of the digestate. *Environmental Technology*. 29(10):1085-1093. <https://doi.org/10.1080/09593330802180385>
- Jagadabhi PS, Kaparaju P, Väisänen A, Rintala J. 2019. Effect of macro- and micro-nutrients addition during anaerobic mono-digestion of grass silage in leach-bed reactors. *Environmental Technology*. 40(4):418-429. <https://doi.org/10.1080/09593330.2017.1393462>
- Jain R, Dominic D, Jordan N, Rene ER, Weiss S, van Hullebusch ED, Hübner R, Lens PNL. 2016. Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles. *Chemical Engineering Journal*. 284:917–925. <https://doi.org/10.1016/j.cej.2015.08.144>
- Jain R, Dominic D, Jordan N, Rene ER, Weiss S, van Hullebusch ED, Hübner R, Lens PNL. 2016. Higher Cd adsorption on biogenic elemental selenium nanoparticles. *ENVIRONMENTAL CHEMISTRY LETTERS*. 14(3):381–386. <https://doi.org/10.1007/s10311-016-0560-8>
- Järvinen A, Keskinen J, Yli-Ojanperä J. 2018. Extending the Faraday cup aerosol electrometer based calibration method up to 5 µm. *Aerosol Science and Technology*. 52(8):828-840. <https://doi.org/10.1080/02786826.2018.1472742>
- Juuti P, Arffman A, Rostedt A, Harra J, Mäkelä JM, Keskinen J. 2016. Real-time effective density monitor (DENSMO) for aerosol nanoparticle production. *Aerosol Science and Technology*. 50(5):487-496. <https://doi.org/10.1080/02786826.2016.1168511>
- Juuti P, Nikka M, Gunell M, Eerola E, Saarinen JJ, Omori Y, Seto T, Mäkelä JM. 2019. Fabrication of fiber filters with antibacterial properties for VOC and particle removal. *Aerosol and Air Quality Research*. 19(8):1892-1899. <https://doi.org/10.4209/aaqr.2018.12.0474>
- Kaparaju PLN, Rintala JA. 2006. Thermophilic anaerobic digestion of industrial orange waste. *Environmental Technology*. 27(6):623-633. <https://doi.org/10.1080/09593332708618676>
- Kaparaju PLN, Rintala JA. 2005. The effects of post-treatments and temperature on recovering the methane potential of >2 mm solid fraction of digested cow manure. *Environmental Technology*. 26(6):625-631.
- Kaparaju PLN, Rintala JA. 2003. Effects of temperature on post-methanation of digested dairy cow manure in a farm-scale biogas production system. *Environmental Technology*. 24(10):1315-1321.
- Kaparaju P, Rintala J, Oikari A. 2012. Agricultural potential of anaerobically digested industrial orange waste with and without aerobic post-treatment. *Environmental Technology*. 33(1):85-94. <https://doi.org/10.1080/09593330.2011.551839>
- Karjalainen P, Saari S, Kuuluvainen H, Kalliohaka T, Taipale A, Rönkkö T. 2017. Performance of ventilation filtration technologies on characteristic traffic related aerosol down to nanocluster size. *Aerosol Science and Technology*. 51(12):1398-1408. <https://doi.org/10.1080/02786826.2017.1356904>
- Karjalainen P, Rönkkö T, Simonen P, Ntziachristos L, Juuti P, Timonen H, Teinilä K, Saarikoski S, Saveljeff H, Lauren M, Happonen M, Matilainen P, Maunula T, Nuottimäki J, Keskinen J. 2019. Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines. *Environmental science & technology*. 53(17):10408-10416. <https://doi.org/10.1021/acs.est.9b04073>

- Karvinen J, Joki T, Ylä-Outinen L, Koivisto JT, Narkilahti S, Kellomäki M. 2018. Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells. *Reactive and Functional Polymers*. 124:29-39. <https://doi.org/10.1016/j.reactfunctpolym.2017.12.019>
- Kettunen RH, Einola JKM, Rintala JA. 2006. Landfill methane oxidation in engineered soil columns at low temperature. *Water Air and Soil Pollution*. 177(1-4):313-334. <https://doi.org/10.1007/s11270-006-9176-0>
- Koivisto AJ, Jensen ACØ, Levin M, Kling KI, Maso MD, Nielsen SH, Jensen KA, Koponen IK. 2015. Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory. *Environmental Sciences: Processes and Impacts*. 17(1):62-73. <https://doi.org/10.1039/c4em00532e>
- Kuula J, Kuuluvainen H, Rönkkö T, Niemi JV, Saukko E, Portin H, Aurela M, Saarikoski S, Rostedt A, Hillamo R, Timonen H. 2019. Applicability of optical and diffusion charging-based particulate matter sensors to urban air quality measurements. *Aerosol and Air Quality Research*. 19(5):1024-1039. <https://doi.org/10.4209/aaqr.2018.04.0143>
- Kuuluvainen H, Saari S, Mensah-Attipoe J, Arffman A, Pasanen P, Reponen T, Keskinen J. 2016. Triboelectric charging of fungal spores during resuspension and rebound. *Aerosol Science and Technology*. 50(2):187-197. <https://doi.org/10.1080/02786826.2016.1141164>
- Länsivaara T. 2018. Editorial. *Environmental Geotechnics*. 5(6). <https://doi.org/10.1680/jenge.2018.5.6.309>
- Ledezma P, Jermakka J, Keller J, Freguia S. 2017. Recovering Nitrogen as a Solid without Chemical Dosing: Bio-Electroconcentration for Recovery of Nutrients from Urine. *Environmental Science and Technology Letters*. 4(3):119-124. <https://doi.org/10.1021/acs.estlett.7b00024>
- Lehmusto J, Olin M, Viljanen J, Kalliokoski J, Mylläri F, Toivonen J, Dal Maso M, Hupa L. 2019. Detection of gaseous species during KCl-induced high-temperature corrosion by the means of CPFAAS and CI-API-TOF. *Materials and Corrosion*. <https://doi.org/10.1002/maco.201910964>
- Leivo V, Prasauskas T, Du L, Turunen M, Kiviste M, Aaltonen A, Martuzevicius D, Haverinen-Shaughnessy U. 2017. 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*. 621:398-406. <https://doi.org/10.1016/j.scitotenv.2017.11.227>
- Lepistö T, Kuuluvainen H, Juuti P, Järvinen A, Arffman A, Rönkkö T. 2020. Measurement of the human respiratory tract deposited surface area of particles with an electrical low pressure impactor. *Aerosol Science and Technology*. 54(8):958-971. <https://doi.org/10.1080/02786826.2020.1745141>
- Luostarinen S, Pakarinen O, Rintala J. 2008. Screening for potential fermentative hydrogen production from black water and kitchen waste in on-site UASB reactor at 20°C. *Environmental Technology*. 29(6):691-699. <https://doi.org/10.1080/09593330801987038>
- Macintyre HL, Heaviside C, Taylor J, Picetti R, Symonds P, Cai XM, Vardoulakis S. 2018. Assessing urban population vulnerability and environmental risks across an urban area during heatwaves – Implications for health protection. *Science of the Total Environment*. 610-611:678-690. <https://doi.org/10.1016/j.scitotenv.2017.08.062>
- Martinen SK, Kettunen RH, Rintala JA. 2003. Occurrence and removal of organic pollutants in sewages and landfill leachates. *Science of the Total Environment*. 301(1-3):1-12.
- Martinen SK, Kettunen RH, Sormunen KM, Soimasuo RM, Rintala JA. 2002. Screening of physical-chemical methods for removal of organic material, nitrogen and toxicity from low strength landfill leachates. *Chemosphere*. 46(6):851-858. [https://doi.org/10.1016/S0045-6535\(01\)00150-3](https://doi.org/10.1016/S0045-6535(01)00150-3)

Marttinen SK, Hänninen K, Rintala JA. 2004. Removal of DEHP in composting and aeration of sewage sludge. *Chemosphere*. 54(3):265-272. [https://doi.org/10.1016/S0045-6535\(03\)00661-1](https://doi.org/10.1016/S0045-6535(03)00661-1)

Mensah-Attipoe J, Saari S, Veijalainen AM, Pasanen P, Keskinen J, Leskinen JTT, Reponen T. 2016. Release and characteristics of fungal fragments in various conditions. *Science of the Total Environment*. 547:234-243. <https://doi.org/10.1016/j.scitotenv.2015.12.095>

Milani R, Houbenov N, Fernandez-Palacio F, Cavallo G, Luzio A, Haataja J, Giancane G, Saccone M, Priimägi A, Metrangolo P, Ikkala O. 2017. Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains. *CheM*. 2(3):417-426. <https://doi.org/10.1016/j.chempr.2017.02.003>

Myllykangas JP, Rissanen AJ, Hietanen S, Jilbert T. 2020. Influence of electron acceptor availability and microbial community structure on sedimentary methane oxidation in a boreal estuary. *BIOGEOCHEMISTRY*. 148(3):291-309. <https://doi.org/10.1007/s10533-020-00660-z>

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

Pastor-Poquet V, Papirio S, Trably E, Rintala J, Escudié R, Esposito G. 2019. 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*. <https://doi.org/10.1007/s13762-019-02264-z>

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

Pirjola L, Karjalainen P, Heikkilä J, Saari S, Tzamkiozis T, Ntziachristos L, Kulmala K, Keskinen J, Rönkkö T. 2015. Effects of fresh lubricant oils on particle emissions emitted by a modern gasoline direct injection passenger car. *Environmental Science and Technology*. 49(6):3644-3652. <https://doi.org/10.1021/es505109u>

Pirjola L, Dittrich A, Niemi JV, Saarikoski S, Timonen H, Kuuluvainen H, Järvinen A, Kousa A, Rönkkö T, Hillamo R. 2016. Physical and Chemical Characterization of Real-World Particle Number and Mass Emissions from City Buses in Finland. *Environmental Science and Technology*. 50(1):294-304. <https://doi.org/10.1021/acs.est.5b04105>

Poikkimäki M, Koljonen V, Leskinen N, Närhi M, Kangasniemi O, Kausiala O, Dal Maso M. 2019. Nanocluster Aerosol Emissions of a 3D Printer. *Environmental Science and Technology*. 53(23):13618-13628. <https://doi.org/10.1021/acs.est.9b05317>

Ramasamy P, Lee K, Lee J, Oh YK. 2015. Breaking dormancy: An energy-efficient means of recovering astaxanthin from microalgae. *Green Chemistry*. 17(2):1226-1234. <https://doi.org/10.1039/c4gc01413h>

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

Saari S, Niemi JV, Rönkkö T, Kuuluvainen H, Järvinen A, Pirjola L, Aurela M, Hillamo R, Keskinen J. 2015. Seasonal and diurnal variations of fluorescent bioaerosol concentration and size distribution in the urban environment. *Aerosol and Air Quality Research*. 15(2):572-581. <https://doi.org/10.4209/aaqr.2014.10.0258>

Saari S, Järvinen S, Reponen T, Mensah-Attipoe J, Pasanen P, Toivonen J, Keskinen J. 2016. Identification of single microbial particles using electro-dynamic balance assisted laser-induced breakdown and fluorescence spectroscopy. *Aerosol Science and Technology*. 50(2):126-132. <https://doi.org/10.1080/02786826.2015.1134764>

- Saari S, Arffman A, Harra J, Rönkkö T, Keskinen J. 2018. Performance evaluation of the HR-ELPI + inversion. *Aerosol Science and Technology*. 52(9):1037-1047. <https://doi.org/10.1080/02786826.2018.1500679>
- Saarimaa V, Fuertes N, Persson D, Zavalis T, Kaleva A, Nikkanen J-P, Levänen E, Heydari G. 2020. Assessment of pitting corrosion in bare and passivated (wet scCO<sub>2</sub>-induced patination and chemical passivation) hot-dip galvanized steel samples with SVET, FTIR, and SEM (EDS). *Materials and Corrosion*. <https://doi.org/10.1002/maco.202011653>
- Salmela M, Lehtinen T, Efimova E, Santala S, Santala V. 2020. Towards bioproduction of poly- $\alpha$ -olefins from lignocellulose. *Green Chemistry*. 22(15):5067-5076. <https://doi.org/10.1039/d0gc01617a>
- Salminen EA, Rintala JA. 1999. Anaerobic digestion of poultry slaughtering wastes. *Environmental Technology*. 20(1):21-28.
- Salminen E, Einola J, Rintala J. 2003. The methane production of poultry slaughtering residues and effects of pre-treatments on the methane production of poultry feather. *Environmental Technology*. 24(9):1079-1086. <https://doi.org/10.1080/09593330309385648>
- Salminen E, Einola J, Rintala J. 2001. Characterisation and anaerobic batch degradation of materials accumulating in anaerobic digesters treating poultry slaughterhouse waste. *Environmental Technology*. 22(5):577-585.
- Salo L, Mylläri F, Maasikmets M, Niemelä V, Konist A, Vainumäe K, Kupri HL, Titova R, Simonen P, Aurela M, Bloss M, Keskinen J, Timonen H, Rönkkö T. 2019. Emission measurements with gravimetric impactors and electrical devices: An aerosol instrument comparison. *Aerosol Science and Technology*. 53(5):526-539. <https://doi.org/10.1080/02786826.2019.1578858>
- Schönborn G, Berlin C, Pinzone M, Hanisch C, Georgoulas K, Lanz M. 2019. Why social sustainability counts: The impact of corporate social sustainability culture on financial success. *Sustainable Production and Consumption*. 17:1-10. <https://doi.org/10.1016/j.spc.2018.08.008>
- Seo JY, Lee K, Ramasamy P, Kim B, Lee SY, Oh YK, Park SB. 2015. Tri-functionality of Fe<sub>3</sub>O<sub>4</sub>-embedded carbon microparticles in microalgae harvesting. *Chemical Engineering Journal*. 280:206-214. <https://doi.org/10.1016/j.cej.2015.05.122>
- Seo JY, Ramasamy P, Kim B, Seo JC, Park JY, Na JG, Jeon SG, Park SB, Lee K, Oh YK. 2016. 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*. 18(14):3981-3989. <https://doi.org/10.1039/c6gc00904b>
- Shaughnessy DT, Ohe T, Landi S, Warren SH, Richard AM, Munter T, Franzén R, Kronberg L, DeMarini DM. 2000. 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*. 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)
- Singh S, Rinta-Kanto JM, Kettunen R, Tolvanen H, Lens P, Collins G, Kokko M, Rintala J. 2019. Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C: Process performance and microbial community dynamics. *Science of the Total Environment*. 691:960-968. <https://doi.org/10.1016/j.scitotenv.2019.07.136>
- Sivula L, Ilander A, Väisänen A, Rintala J. 2010. Weathering of gasification and grate bottom ash in anaerobic conditions. *Journal of Hazardous Materials*. 174(1-3):344-351. <https://doi.org/10.1016/j.jhazmat.2009.09.056>
- Sivula L, Väisänen A, Rintala J. 2008. Stabilisation of MSWI bottom ash with sulphide-rich anaerobic effluent. *Chemosphere*. 71(1):1-9. <https://doi.org/10.1016/j.chemosphere.2007.10.060>

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

Smith JD, Mitsakou C, Kitwiroon N, Barratt BM, Walton HA, Taylor JG, Anderson HR, Kelly FJ, Beevers SD. 2016. London Hybrid Exposure Model: Improving Human Exposure Estimates to NO<sub>2</sub> and PM<sub>2.5</sub> in an Urban Setting. *Environmental Science and Technology*. 50(21):11760-11768. <https://doi.org/10.1021/acs.est.6b01817>

Soinne H, Keskinen R, Heikkinen J, Hyväluoma J, Uusitalo R, Peltoniemi K, Velmala S, Pennanen T, Fritze H, Kaseva J, Hannula M, Rasa K. 2020. Are there environmental or agricultural benefits in using forest residue biochar in boreal agricultural clay soil?. *Science of the Total Environment*. 731. <https://doi.org/10.1016/j.scitotenv.2020.138955>

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

Streck J, Hank C, Neuner M, Gil-Carrera L, Kokko M, Pauliuk S, Schaadt A, Kerzenmacher S, White RJ. 2018. Bio-electrochemical conversion of industrial wastewater-COD combined with downstream methanol synthesis-an economic and life cycle assessment. *Green Chemistry*. 20(12):2742-2762. <https://doi.org/10.1039/c8gc00543e>

Suvilampi J, Lehtomäki A, Rintala J. 2006. Biomass characterization of laboratory-scale thermophilic-mesophilic wastewater treatment processes. *Environmental Technology*. 27(1):41-51. <https://doi.org/10.1080/09593332708618620>

Suvilampi J, Rintala J. 2002. Comparison of activated sludge processes at different temperatures: 35°C, 2-55°C, and 55°C. *Environmental Technology*. 23(10):1127-1133.

Symonds P, Hutchinson E, Ibbetson A, Taylor J, Milner J, Chalabi Z, Davies M, Wilkinson P. 2019. MicroEnv: A microsimulation model for quantifying the impacts of environmental policies on population health and health inequalities. *Science of the Total Environment*. 697. <https://doi.org/10.1016/j.scitotenv.2019.134105>

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

Tan LC, Nancharaiyah YV, Lu S, van Hullebusch ED, Gerlach R, Lens PNL. 2018. Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0. *Chemosphere*. 211:684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>

Tao R, Bair R, Pickett M, Calabria JL, Lakaniemi A-M, van Hullebusch ED, Rintala JA, Yeh DH. 2020. Low concentration of zeolite to enhance microalgal growth and ammonium removal efficiency in a membrane photobioreactor. *Environmental Technology*. <https://doi.org/10.1080/09593330.2020.1752813>

Taylor J, Shrubsole C, Symonds P, Mackenzie I, Davies M. 2019. Application of an indoor air pollution metamodel to a spatially-distributed housing stock. *Science of the Total Environment*. 667:390-399. <https://doi.org/10.1016/j.scitotenv.2019.02.341>

Tuppurainen KO, Väisänen AO, Rintala JA. 2002. Sulphate-reducing laboratory-scale high-rate anaerobic reactors for treatment of metal-and sulphate-containing mine wastewater. *Environmental Technology*. 23(6):599-608. <https://doi.org/10.1080/09593332308618382>

Tuurna S, Varis T, Penttilä K, Ruusuvoori K, Holmström S, Yli-Olli S. 2011. Optimised selection of new protective coatings for biofuel boiler applications. *Materials and Corrosion-Werkstoffe und Korrosion*. 62(7):642-649. <https://doi.org/10.1002/maco.201005898>

Uusheimo S, Huotari J, Tulonen T, Aalto SL, Rissanen AJ, Arvola L. 2018. High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate. *Environmental science & technology*. 52(22):13343-13350. <https://doi.org/10.1021/acs.est.8b03032>

Vahala R, Moramarco V, Niemi RM, Rintala J, Laukkanen R. 1998. The effects of nutrients on natural organic matter (NOM) removal in biological activated carbon (BAC) filtration. *Acta Hydrochimica et Hydrobiologica*. 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)

Vuorio E, Vahala R, Rintala J, Laukkanen R. 1998. The evaluation of drinking water treatment performed with HPSEC. *Environment International*. 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)

Wang M, Chen D, Xiao M, Ye Q, Stolzenburg D, Hofbauer V, Ye P, Vogel AL, Mauldin RL, Amorim A, Baccarini A, Baumgartner B, Brilke S, Dada L, Dias A, Duplissy J, Finkenzeller H, Garmash O, He XC, Hoyle CR, Kim C, Kvashnin A, Lehtipalo K, Fischer L, Molteni U, Petäjä T, Pospisilova V, Quéléver LLJ, Rissanen M, Simon M, Tauber C, Tomé A, Wagner AC, Weitz L, Volkamer R, Winkler PM, Kirkby J, Worsnop DR, Kulmala M, Baltensperger U, Dommen J, El-Haddad I, Donahue NM. 2020. Photo-oxidation of Aromatic Hydrocarbons Produces Low-Volatility Organic Compounds. *Environmental Science and Technology*. 54(13):7911-7921. <https://doi.org/10.1021/acs.est.0c02100>

Ye Q, Wang M, Hofbauer V, Stolzenburg D, Chen D, Schervish M, Vogel A, Mauldin RL, Baalbaki R, Brilke S, Dada L, Dias A, Duplissy J, El Haddad I, Finkenzeller H, Fischer L, He X, Kim C, Kürten A, Lamkaddam H, Lee CP, Lehtipalo K, Leiminger M, Manninen HE, Marten R, Mentler B, Partoll E, Petäjä T, Rissanen M, Schobesberger S, Schuchmann S, Simon M, Tham YJ, Vazquez-Pufleau M, Wagner AC, Wang Y, Wu Y, Xiao M, Baltensperger U, Curtius J, Flagan R, Kirkby J, Kulmala M, Volkamer R, Winkler PM, Worsnop D, Donahue NM. 2019. Molecular Composition and Volatility of Nucleated Particles from  $\alpha$ -Pinene Oxidation between -50 °c and +25 °c. *Environmental Science and Technology*. 53(21):12357-12365. <https://doi.org/10.1021/acs.est.9b03265>