

Soinne, H., Keskinen, R., Heikkinen, J., Hyväluoma, J., Uusitalo, R., Peltoniemi, K., ... 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, [138955]. <https://doi.org/10.1016/j.scitotenv.2020.138955>

Alanen, J., Isotalo, M., Kuittinen, N., Simonen, P., Martikainen, S., Kuuluvainen, H., ... 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>

Saarimaa, V., Fuertes, N., Persson, D., Zavalis, T., Kaleva, A., Nikkanen, J-P., ... Heydari, G. (2020). Assessment of pitting corrosion in bare and passivated (wet scCO₂-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>

Chakraborty, S., Rene, E. R., Lens, P. N. L., Rintala, J., Veiga, M. C., & Kennes, C. (2020). Effect of tungsten and selenium on C₁ gas bioconversion by an enriched anaerobic sludge and microbial community analysis. *Chemosphere*, 250, [126105]. <https://doi.org/10.1016/j.chemosphere.2020.126105>

Mylykangas, J. P., Rissanen, A. J., 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>

Hajdu-Rahkama, R., Özkaya, B., Lakaniemi, A. M., & Puhakka, J. A. (2020). Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus. *Chemical Engineering Journal*, 401, [126047]. <https://doi.org/10.1016/j.cej.2020.126047>

Tao, R., Bair, R., Pickett, M., Calabria, J. L., Lakaniemi, A-M., van Hullebusch, E. D., ... Yeh, D. H. (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>

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>

Chu, B., Dada, L., Liu, Y., Yao, L., Wang, Y., Du, W., ... 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, [142207]. <https://doi.org/10.1016/j.scitotenv.2020.142207>

Wang, M., Chen, D., Xiao, M., Ye, Q., Stolzenburg, D., Hofbauer, V., ... Donahue, N. M. (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>

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>

Salmela, M., Lehtinen, T., Efimova, E., Santala, S., & Santala, V. (2020). Towards bioproduction of poly- α -olefins from lignocellulose. *Green Chemistry*, 22(15), 5067-5076. <https://doi.org/10.1039/d0gc01617a>

Eregowda, T., Kokko, M. E., Rene, E. R., Rintala, J., & Lens, P. N. L. (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>

Symonds, P., Hutchinson, E., Ibbetson, A., Taylor, J., Milner, J., Chalabi, Z., ... 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, [134105]. <https://doi.org/10.1016/j.scitotenv.2019.134105>

Singh, S., Rinta-Kanto, J. M., Kettunen, R., Tolvanen, H., Lens, P., Collins, G., ... 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>

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>

Ye, Q., Wang, M., Hofbauer, V., Stolzenburg, D., Chen, D., Schervish, M., ... Donahue, N. M. (2019). Molecular Composition and Volatility of Nucleated Particles from α -Pinene Oxidation between -50 °C and +25 °C. *Environmental Science and Technology*, 53(21), 12357-12365. <https://doi.org/10.1021/acs.est.9b03265>

Haavisto, J., Dessì, P., Chatterjee, P., Honkanen, M., Noori, M. T., Kokko, M., ... Puhakka, J. A. (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>

Karjalainen, P., Rönkkö, T., Simonen, P., Ntziachristos, L., Juuti, P., Timonen, H., ... 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>

Lehmusto, J., Olin, M., Viljanen, J., Kalliokoski, J., Mylläri, F., Toivonen, J., ... 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>

Juuti, P., Nikka, M., Gunell, M., Eerola, E., Saarinen, J. J., Omori, Y., ... Mäkelä, J. M. (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>

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>

Carbone, S., Timonen, H. J., Rostedt, A., Happonen, M., Rönkkö, T., Keskinen, J., ... 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>

Kuula, J., Kuuluvainen, H., Rönkkö, T., Niemi, J. V., Saukko, E., Portin, H., ... 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>

Salo, L., Mylläri, F., Maasikmets, M., Niemelä, V., Konist, A., Vainumäe, K., ... 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>

Jagadabhi, P. S., 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>

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>

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

Aakko-Saksa, P., Koponen, P., Aurela, M., Vesala, H., Piimäkorpi, P., Murtonen, 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>

Uusheimo, S., Huotari, J., Tulonen, T., Aalto, S. L., Rissanen, A. J., & 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>

Tan, L. C., Nancharaiah, Y. V., Lu, S., van Hullebusch, E. D., Gerlach, R., & Lens, P. N. L. (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>

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>

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>

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>

Karvinen, J., Joki, T., Ylä-Outinen, L., Koivisto, J. T., 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>

Macintyre, H. L., Heaviside, C., Taylor, J., Picetti, R., Symonds, P., Cai, X. M., & 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>

Doddapaneni, T. R. K. C., 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>

Streck, J., Hank, C., Neuner, M., Gil-Carrera, L., Kokko, M., Pauliuk, S., ... White, R. J. (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>

Amanatidis, S., Ntziachristos, L., Karjalainen, P., Saukko, E., Simonen, P., Kuittinen, N., ... 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>

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>

Nykänen, H., Mpamah, P. A., & Rissanen, A. J. (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>

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>

Milani, R., Houbenov, N., Fernandez-Palacio, F., Cavallo, G., Luzio, A., Haataja, J., ... 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>

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>

Leivo, V., Prasauskas, T., Du, L., Turunen, M., Kiviste, M., Aaltonen, A., ... 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>

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>

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.

Smith, J. D., Mitsakou, C., Kitwiroon, N., Barratt, B. M., Walton, H. A., Taylor, J. G., ... Beevers, S. D. (2016). London Hybrid Exposure Model: Improving Human Exposure Estimates to NO₂ and PM_{2.5} in an Urban Setting. *Environmental Science and Technology*, 50(21), 11760-11768. <https://doi.org/10.1021/acs.est.6b01817>

Jain, R., Dominic, D., Jordan, N., Rene, E. R., Weiss, S., van Hullebusch, E. D., ... Lens, P. N. L. (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>

Juuti, P., Arffman, A., Rostedt, A., Harra, J., Mäkelä, J. M., & 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>

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>

Mensah-Attipoe, J., Saari, S., Veijalainen, A. M., Pasanen, P., Keskinen, J., Leskinen, J. T. T., & 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>

Szabo, H. M., 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>

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>

- 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>
- Pirjola, L., Dittrich, A., Niemi, J. V., Saarikoski, S., Timonen, H., Kuuluvainen, H., ... 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>
- Seo, J. Y., Ramasamy, P., Kim, B., Seo, J. C., Park, J. Y., Na, J. G., ... Oh, Y. K. (2016). Downstream integration of microalgae harvesting and cell disruption by means of cationic surfactant-decorated Fe₃O₄ nanoparticles. *Green Chemistry*, *18*(14), 3981-3989. <https://doi.org/10.1039/c6gc00904b>
- Jain, R., Dominic, D., Jordan, N., Rene, E. R., Weiss, S., van Hullebusch, E. D., ... Lens, P. N. L. (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>
- Espinosa-Ortiz, E. J., Shakya, M., Jain, R., Rene, E. R., van Hullebusch, E. D., & Lens, P. N. L. (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>
- Seo, J. Y., Lee, K., Ramasamy, P., Kim, B., Lee, S. Y., Oh, Y. K., & Park, S. B. (2015). Tri-functionality of Fe₃O₄-embedded carbon microparticles in microalgae harvesting. *Chemical Engineering Journal*, *280*, 206-214. <https://doi.org/10.1016/j.cej.2015.05.122>
- Arffman, A., Kuuluvainen, H., Harra, J., Vuorinen, O., Juuti, P., Yli-Ojanperä, 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>
- Pirjola, L., Karjalainen, P., Heikkilä, J., Saari, S., Tzamkiozis, T., Ntziachristos, L., ... 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>
- Ramasamy, P., Lee, K., Lee, J., & Oh, Y. K. (2015). Breaking dormancy: An energy-efficient means of recovering astaxanthin from microalgae. *Green Chemistry*, *17*(2), 1226-1234. <https://doi.org/10.1039/c4gc01413h>
- Koivisto, A. J., Jensen, A. C. Ø., Levin, M., Kling, K. I., Maso, M. D., Nielsen, S. H., ... Koponen, I. K. (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>
- Di Capua, F., Papirio, S., Lens, P. N. L., & Esposito, G. (2015). Chemolithotrophic denitrification in biofilm reactors. *Chemical Engineering Journal*, *280*, 643-657. <https://doi.org/10.1016/j.cej.2015.05.131>
- Saari, S., Niemi, J. V., Rönkkö, T., Kuuluvainen, H., Järvinen, A., Pirjola, L., ... 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>
- 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>
- Giechaskiel, B., Maricq, M., Ntziachristos, L., Dardiotis, C., Wang, X., Axmann, H., ... 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>

Gerlofs-Nijland, M. E., Totlandsdal, A. I., Tzamkiozis, T., Leseman, D. L. A. C., Samaras, Z., Låg, M., ... Cassee, F. R. (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>

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>

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>

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>

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>

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>

Dressen, M. H. C. L., Stumpel, J. E., Van De Kruijs, B. H. P., Meuldijk, J., Vekemans, J. A. J. M., & Hulshof, L. A. (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>

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>

Einola, J.-K. M., Sormunen, K. M., & Rintala, J. A. (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>

Jagadabhi, P. S., 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>

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>

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>

Kettunen, R. H., Einola, J. K. M., & Rintala, J. A. (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>

Kaparaju, P. L. N., & Rintala, J. A. (2006). Thermophilic anaerobic digestion of industrial orange waste. *Environmental Technology*, 27(6), 623-633. <https://doi.org/10.1080/09593332708618676>

- 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>
- Kaparaju, P. L. N., & Rintala, J. A. (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.
- Martinen, S. K., Hänninen, K., & Rintala, J. A. (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)
- Martinen, S. K., Kettunen, R. H., & Rintala, J. A. (2003). Occurrence and removal of organic pollutants in sewages and landfill leachates. *Science of the Total Environment*, 301(1-3), 1-12.
- Kaparaju, P. L. N., & Rintala, J. A. (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.
- 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>
- 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.
- Martinen, S. K., Kettunen, R. H., Sormunen, K. M., Soimasuo, R. M., & Rintala, J. A. (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)
- Tuppurainen, K. O., Väisänen, A. O., & Rintala, J. A. (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>
- 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.
- Shaughnessy, D. T., Ohe, T., Landi, S., Warren, S. H., Richard, A. M., Munter, T., ... DeMarini, D. M. (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)
- 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)
- Salminen, E. A., & Rintala, J. A. (1999). Anaerobic digestion of poultry slaughtering wastes. *Environmental Technology*, 20(1), 21-28.
- 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)
- 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)

Vahala, R., Moramarco, V., Niemi, R. M., 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)

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>

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>

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>