

Doddapaneni TRKC, Jain R, Praveenkumar R, Rintala J, Romar H, Konttinen J. **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>

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

Salminen EA, Rintala JA. **Anaerobic digestion of poultry slaughtering wastes**. Environmental Technology. 1999;20(1):21-28.

Singh S, Rinta-Kanto JM, Kettunen R, Tolvanen H, Lens P, Collins G 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 Nov 15;691:960-968. <https://doi.org/10.1016/j.scitotenv.2019.07.136>

Kuula J, Kuuluvainen H, Rönkkö T, Niemi JV, Saukko E, Portin H et al. **Applicability of optical and diffusion charging-based particulate matter sensors to urban air quality measurements**. Aerosol and Air Quality Research. 2019 May 1;19(5):1024-1039. <https://doi.org/10.4209/aaqr.2018.04.0143>

Taylor J, Shrubsole C, Symonds P, Mackenzie I, Davies M. **Application of an indoor air pollution metamodel to a spatially-distributed housing stock**. Science of the Total Environment. 2019 Jun 1;667:390-399. <https://doi.org/10.1016/j.scitotenv.2019.02.341>

Soinne H, Keskinen R, Heikkinen J, Hyväluoma J, Uusitalo R, Peltoniemi K et al. **Are there environmental or agricultural benefits in using forest residue biochar in boreal agricultural clay soil?** Science of the Total Environment. 2020 Aug 20;731. 138955. <https://doi.org/10.1016/j.scitotenv.2020.138955>

Macintyre HL, Heaviside C, Taylor J, Picetti R, Symonds P, Cai XM et al. **Assessing urban population vulnerability and environmental risks across an urban area during heatwaves – Implications for health protection**. Science of the Total Environment. 2018 Jan 1;610-611:678-690. <https://doi.org/10.1016/j.scitotenv.2017.08.062>

Saarimaa V, Fuertes N, Persson D, Zavalis T, Kaleva A, Nikkanen J-P et al. **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. 2020. <https://doi.org/10.1002/maco.202011653>

Streck J, Hank C, Neuner M, Gil-Carrera L, Kokko M, Pauliuk S 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>

Tan LC, Nancharaiyah YV, Lu S, van Hullebusch ED, Gerlach R, Lens PNL. **Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0**. Chemosphere. 2018 Nov 1;211:684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>

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

Ramasamy P, Lee K, Lee J, Oh YK. **Breaking dormancy: An energy-efficient means of recovering astaxanthin from microalgae**. Green Chemistry. 2015 Feb 1;17(2):1226-1234. <https://doi.org/10.1039/c4gc01413h>

Gerlofs-Nijland ME, Totlandsdal AI, Tzamkiozis T, Leseman DLAC, Samaras Z, Låg M 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 Jun 4;47(11):5931-5938. <https://doi.org/10.1021/es305330y>

Salminen E, Einola J, Rintala J. **Characterisation and anaerobic batch degradation of materials accumulating in anaerobic digesters treating poultry slaughterhouse waste.** Environmental Technology. 2001;22(5):577-585.

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

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

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

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

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

Lehmusto J, Olin M, Viljanen J, Kalliokoski J, Mylläri F, Toivonen J 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 Aug 30. <https://doi.org/10.1002/maco.201910964>

Franzén R, Kronberg L. **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>

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

Carbone S, Timonen HJ, Rostedt A, Happonen M, Rönkkö T, Keskinen J et al. **Distinguishing fuel and lubricating oil combustion products in diesel engine exhaust particles.** Aerosol Science and Technology. 2019 May 4;53(5):594-607. <https://doi.org/10.1080/02786826.2019.1584389>

Seo JY, Ramasamy P, Kim B, Seo JC, Park JY, Na JG 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>

Jagadabhi PS, Kaparaju P, Väisänen A, Rintala J. **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>

Chakraborty S, Rene ER, Lens PNL, Rintala J, Veiga MC, Kennes C. **Effect of tungsten and selenium on C<sub>1</sub> gas bioconversion by an enriched anaerobic sludge and microbial community analysis.** Chemosphere. 2020;250. 126105. <https://doi.org/10.1016/j.chemosphere.2020.126105>

Haavisto J, Dessì P, Chatterjee P, Honkanen M, Noori MT, Kokko M 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 Sep 15;372:141-150. <https://doi.org/10.1016/j.cej.2019.04.090>

Pirjola L, Karjalainen P, Heikkilä J, Saari S, Tzamkiozis T, Ntziachristos L et al. **Effects of fresh lubricant oils on particle emissions emitted by a modern gasoline direct injection passenger car.** Environmental Science and Technology. 2015 Mar 17;49(6):3644-3652. <https://doi.org/10.1021/es505109u>

Kaparaju PLN, Rintala JA. **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.

Salo L, Mylläri F, Maasikmets M, Niemelä V, Konist A, Vainumäe K et al. **Emission measurements with gravimetric impactors and electrical devices: An aerosol instrument comparison.** *Aerosol Science and Technology*. 2019 Mar 1;53(5):526-539. <https://doi.org/10.1080/02786826.2019.1578858>

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

Järvinen A, Keskinen J, Yli-Ojanperä J. **Extending the Faraday cup aerosol electrometer based calibration method up to 5 µm.** *Aerosol Science and Technology*. 2018 Aug 3;52(8):828-840. <https://doi.org/10.1080/02786826.2018.1472742>

Juuti P, Nikka M, Gunell M, Eerola E, Saarinen JJ, Omori Y et al. **Fabrication of fiber filters with antibacterial properties for VOC and particle removal.** *Aerosol and Air Quality Research*. 2019 Aug 1;19(8):1892-1899. <https://doi.org/10.4209/aaqr.2018.12.0474>

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

Milani R, Houbenov N, Fernandez-Palacio F, Cavallo G, Luzio A, Haataja J et al. **Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains.** *CheM*. 2017 Mar 9;2(3):417-426. <https://doi.org/10.1016/j.chempr.2017.02.003>

Jain R, Dominic D, Jordan N, Rene ER, Weiss S, van Hullebusch ED et al. **Higher Cd adsorption on biogenic elemental selenium nanoparticles.** *ENVIRONMENTAL CHEMISTRY LETTERS*. 2016 Sep;14(3):381-386. <https://doi.org/10.1007/s10311-016-0560-8>

Uusheimo S, Huotari J, Tulonen T, Aalto SL, Rissanen AJ, Arvola L. **High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate.** *Environmental science & technology*. 2018 Nov 20;52(22):13343-13350. <https://doi.org/10.1021/acs.est.8b03032>

Pastor-Poquet V, Papirio S, Trably E, Rintala J, Escudié R, Esposito G. **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>

Szabo HM, Lepistö R, Tuhkanen T. **HPLC-SEC: a new approach to characterise complex wastewater effluents.** *International Journal of Environmental Analytical Chemistry*. 2016 Feb 19;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 et al. **Identification of single microbial particles using electro-dynamic balance assisted laser-induced breakdown and fluorescence spectroscopy.** *Aerosol Science and Technology*. 2016 Feb 1;50(2):126-132. <https://doi.org/10.1080/02786826.2015.1134764>

Amanatidis S, Ntziachristos L, Giechaskiel B, Bergmann A, Samaras Z. **Impact of selective catalytic reduction on exhaust particle formation over excess ammonia events.** *Environmental Science and Technology*. 2014 Oct 7;48(19):11527-11534. <https://doi.org/10.1021/es502895v>

Pihlava K, Keskinen J, Yli-Ojanperä J. **Improving the signal-to-noise ratio of Faraday cup aerosol electrometer based aerosol instrument calibrations.** *Aerosol Science and Technology*. 2016 Apr 2;50(4):373-379. <https://doi.org/10.1080/02786826.2016.1153035>

Dal Maso M, Gao J, Järvinen A, Li H, Luo D, Janka K 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 Dec 1;16(12):3001-3011.

Leivo V, Prasauskas T, Du L, Turunen M, Kiviste M, Aaltonen A 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*. 2017;621:398-406. <https://doi.org/10.1016/j.scitotenv.2017.11.227>

Fekadu K, Parzefall W, Kronberg L, Franzen R, Schulte-Hermann R, Knasmüller S. **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>

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

Sormunen K, Ettala M, Rintala J. **Internal leachate quality in a municipal solid waste landfill: Vertical, horizontal and temporal variation and impacts of leachate recirculation.** *Journal of Hazardous Materials*. 2008 Dec 30;160(2-3):601-607. <https://doi.org/10.1016/j.jhazmat.2008.03.081>

Franzén R, Tanabe K, Morita M. **Isolation of a MX-guanosine adduct formed at physiological conditions.** *Chemosphere*. 1998 Jun;36(13):2803-2808. [https://doi.org/10.1016/S0045-6535\(97\)10237-5](https://doi.org/10.1016/S0045-6535(97)10237-5)

Hajdu-Rahkama R, Özkaya B, Lakaniemi AM, Puhakka JA. **Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus.** *Chemical Engineering Journal*. 2020;401. 126047. <https://doi.org/10.1016/j.cej.2020.126047>

Kettunen RH, Einola JKM, Rintala JA. **Landfill methane oxidation in engineered soil columns at low temperature.** *Water Air and Soil Pollution*. 2006 Nov;177(1-4):313-334. <https://doi.org/10.1007/s11270-006-9176-0>

Smith JD, Mitsakou C, Kitwiroon N, Barratt BM, Walton HA, Taylor JG et al. **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*. 2016 Nov 1;50(21):11760-11768. <https://doi.org/10.1021/acs.est.6b01817>

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

Lepistö T, Kuuluvainen H, Juuti P, Järvinen A, Arffman A, Rönkkö T. **Measurement of the human respiratory tract deposited surface area of particles with an electrical low pressure impactor.** *Aerosol Science and Technology*. 2020;54(8):958-971. <https://doi.org/10.1080/02786826.2020.1745141>

Einola J-KM, Sormunen KM, Rintala JA. **Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste.** *Science of the Total Environment*. 2008 Dec 15;407(1):67-83. <https://doi.org/10.1016/j.scitotenv.2008.08.016>

Symonds P, Hutchinson E, Ibbetson A, Taylor J, Milner J, Chalabi Z et al. **MicroEnv: A microsimulation model for quantifying the impacts of environmental policies on population health and health inequalities.** *Science of the Total Environment*. 2019 Dec 20;697. 134105. <https://doi.org/10.1016/j.scitotenv.2019.134105>

Ye Q, Wang M, Hofbauer V, Stolzenburg D, Chen D, Schervish M et al. **Molecular Composition and Volatility of Nucleated Particles from  $\alpha$ -Pinene Oxidation between -50 °C and +25 °C.** *Environmental Science and Technology*. 2019 Nov 5;53(21):12357-12365. <https://doi.org/10.1021/acs.est.9b03265>

Shaughnessy DT, Ohe T, Landi S, Warren SH, Richard AM, Munter 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)

Poikkimäki M, Koljonen V, Leskinen N, Närhi M, Kangasniemi O, Kausiala O et al. **Nanocluster Aerosol Emissions of a 3D Printer.** Environmental Science and Technology. 2019 Nov 7;53(23):13618–13628. <https://doi.org/10.1021/acs.est.9b05317>

Marttinen SK, Kettunen RH, Rintala JA. **Occurrence and removal of organic pollutants in sewages and landfill leachates.** Science of the Total Environment. 2003 Jan 1;301(1-3):1-12.

Smeds A, Franzen R, Kronberg L. **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>

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

Chu B, Dada L, Liu Y, Yao L, Wang Y, Du W et al. **Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China.** Science of the Total Environment. 2020;753. 142207. <https://doi.org/10.1016/j.scitotenv.2020.142207>

Saari S, Arffman A, Harra J, Rönkkö T, Keskinen J. **Performance evaluation of the HR-ELPI + inversion.** Aerosol Science and Technology. 2018 Sep 2;52(9):1037-1047. <https://doi.org/10.1080/02786826.2018.1500679>

Karjalainen P, Saari S, Kuuluvainen H, Kalliohaka T, Taipale A, Rönkkö T. **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>

Wang M, Chen D, Xiao M, Ye Q, Stolzenburg D, Hofbauer V et al. **Photo-oxidation of Aromatic Hydrocarbons Produces Low-Volatility Organic Compounds.** Environmental Science and Technology. 2020;54(13):7911-7921. <https://doi.org/10.1021/acs.est.0c02100>

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

Alanen J, Isotalo M, Kuittinen N, Simonen P, Martikainen S, Kuuluvainen H et al. **Physical Characteristics of Particle Emissions from a Medium Speed Ship Engine Fueled with Natural Gas and Low-Sulfur Liquid Fuels.** Environmental Science and Technology. 2020 May 5;54(9):5376-5384. <https://doi.org/10.1021/acs.est.9b06460>

Jain R, Dominic D, Jordan N, Rene ER, Weiss S, van Hullebusch ED 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>

Hyvälouma J, Kulju S, Hannula M, Wikberg H, Källi A, Rasa K. **Quantitative characterization of pore structure of several biochars with 3D imaging.** Environmental Science and Pollution Research. 2018 Sep;25(26):1-11. <https://doi.org/10.1007/s11356-017-8823-x>

Juuti P, Arffman A, Rostedt A, Harra J, Mäkelä JM, Keskinen J. **Real-time effective density monitor (DENSMO) for aerosol nanoparticle production.** Aerosol Science and Technology. 2016 May 3;50(5):487-496. <https://doi.org/10.1080/02786826.2016.1168511>

Ledezma P, Jermakka J, Keller J, Freguia S. **Recovering Nitrogen as a Solid without Chemical Dosing: Bio-Electroconcentration for Recovery of Nutrients from Urine.** Environmental Science and Technology Letters. 2017 Mar 14;4(3):119-124. <https://doi.org/10.1021/acs.estlett.7b00024>

Mensah-Attipoe J, Saari S, Veijalainen AM, Pasanen P, Keskinen J, Leskinen JTT et al. **Release and characteristics of fungal fragments in various conditions.** Science of the Total Environment. 2016 Mar 15;547:234-243. <https://doi.org/10.1016/j.scitotenv.2015.12.095>

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

Franzén R, Tanabe K, Morita M. **Ring-chain tautomerism of chlorinated hydroxyfuranones and reaction with nucleosides.** Chemosphere. 1999 Feb;38(5):973-980. [https://doi.org/10.1016/S0045-6535\(98\)00358-0](https://doi.org/10.1016/S0045-6535(98)00358-0)

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

Martinen SK, Kettunen RH, Sormunen KM, Soimasuo RM, Rintala JA. **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)

Bayr S, Kaparaju P, Rintala J. **Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge.** Chemical Engineering Journal. 2013 May 1;223:479-486. <https://doi.org/10.1016/j.cej.2013.02.119>

Saari S, Niemi JV, Rönkkö T, Kuuluvainen H, Järvinen A, Pirjola L 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>

Karvinen J, Joki T, Ylä-Outinen L, Koivisto JT, Narkilahti S, Kellomäki M. **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 Mar 1;124:29-39. <https://doi.org/10.1016/j.reactfunctpolym.2017.12.019>

Espinosa-Ortiz EJ, Shakya M, Jain R, Rene ER, van Hullebusch ED, Lens PNL. **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>

Sivula L, Väisänen A, Rintala J. **Stabilisation of MSWI bottom ash with sulphide-rich anaerobic effluent.** Chemosphere. 2008 Mar;71(1):1-9. <https://doi.org/10.1016/j.chemosphere.2007.10.060>

Nykänen H, Mpamah PA, Rissanen AJ. **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>

Karjalainen P, Rönkkö T, Simonen P, Ntziachristos L, Juuti P, Timonen H et al. **Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines.** Environmental science & technology. 2019 Sep 3;53(17):10408-10416. <https://doi.org/10.1021/acs.est.9b04073>

Tuppurainen KO, Väisänen AO, Rintala JA. **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>

Koivisto AJ, Jensen ACØ, Levin M, Kling KI, Maso MD, Nielsen SH 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 Jan 1;17(1):62-73. <https://doi.org/10.1039/c4em00532e>

Arffman A, Kuuluvainen H, Harra J, Vuorinen O, Juuti P, Yli-Ojanperä J et al. **The critical velocity of rebound determined for sub-micron silver particles with a variable nozzle area impactor.** *Journal of Aerosol Science*. 2015 Aug 1;86:32-43. <https://doi.org/10.1016/j.jaerosci.2015.04.003>

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

Kaparaju PLN, Rintala JA. **The effects of post-treatments and temperature on recovering the methane potential of >2 mm solid fraction of digested cow manure.** *Environmental Technology*. 2005 Jun;26(6):625-631.

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

Dressen MHCL, Stumpel JE, Van De Kruijs BHP, Meuldijk J, Vekemans JAJM, Hulshof LA. **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>

Salminen E, Einola J, Rintala J. **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>

Kaparaju PLN, Rintala JA. **Thermophilic anaerobic digestion of industrial orange waste.** *Environmental Technology*. 2006 Jun;27(6):623-633. <https://doi.org/10.1080/09593332708618676>

Heikkilä P, Rossi J, Rostedt A, Huhtala J, Järvinen A, Toivonen J et al. **Toward elemental analysis of ambient single particles using electrodynamic balance and laser-induced breakdown spectroscopy.** *Aerosol Science and Technology*. 2020. <https://doi.org/10.1080/02786826.2020.1727408>

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

Kuuluvainen H, Saari S, Mensah-Attipoe J, Arffman A, Pasanen P, Reponen T et al. **Triboelectric charging of fungal spores during resuspension and rebound.** *Aerosol Science and Technology*. 2016 Feb 1;50(2):187-197. <https://doi.org/10.1080/02786826.2016.1141164>

Seo JY, Lee K, Ramasamy P, Kim B, Lee SY, Oh YK et al. **Tri-functionality of Fe<sub>3</sub>O<sub>4</sub>-embedded carbon microparticles in microalgae harvesting.** *Chemical Engineering Journal*. 2015 Nov 5;280:206-214. <https://doi.org/10.1016/j.cej.2015.05.122>

Eregowda T, Kokko ME, Rene ER, Rintala J, Lens PNL. **Volatile fatty acid production from Kraft mill foul condensate in upflow anaerobic sludge blanket reactors.** *Environmental Technology (United Kingdom)*. 2020. <https://doi.org/10.1080/09593330.2019.1703823>

Sivula L, Ilander A, Väisänen A, Rintala J. **Weathering of gasification and grate bottom ash in anaerobic conditions.** *Journal of Hazardous Materials*. 2010 Feb 15;174(1-3):344-351. <https://doi.org/10.1016/j.jhazmat.2009.09.056>

Schönborn G, Berlin C, Pinzone M, Hanisch C, Georgoulas K, Lanz M. **Why social sustainability counts: The impact of corporate social sustainability culture on financial success.** *Sustainable Production and Consumption*. 2019 Jan 1;17:1-10. <https://doi.org/10.1016/j.spc.2018.08.008>

Länsivaara T. **Editorial**. Environmental Geotechnics. 2018 Dec 17;5(6). <https://doi.org/10.1680/jenge.2018.5.6.309>

Giechaskiel B, Maricq M, Ntziachristos L, Dardiotis C, Wang X, Axmann H et al. **Review of motor vehicle particulate emissions sampling and measurement: From smoke and filter mass to particle number**. Journal of Aerosol Science. 2014 Jan;67:48-86. <https://doi.org/10.1016/j.jaerosci.2013.09.003>