

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>

Ovaska T, Niemi S, Sirviö K, Nilsson O, Karjalainen P, Rönkkö T, Kulmala K, Keskinen J. 2020. Role of Lubricating Oil Properties in Exhaust Particle Emissions of an Off-Road Diesel Engine. teoksessa *SAE WCX 2020 World Congress Experience*. SAE International. (SAE Technical Papers). <https://doi.org/10.4271/2020-01-0386>

Olin M, Dal Maso M. 2020. CFD modeling the diffusional losses of nanocluster-sized particles and condensing vapors in 90° bends of circular tubes. *Journal of Aerosol Science*. 150. <https://doi.org/10.1016/j.jaerosci.2020.105618>

Chakraborty S, Rene ER, Lens PNL, Rintala J, Veiga MC, Kennes C. 2020. Effect of tungsten and selenium on C₁ gas bioconversion by an enriched anaerobic sludge and microbial community analysis. *Chemosphere*. 250. <https://doi.org/10.1016/j.chemosphere.2020.126105>

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, 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>

Wiheraari H, Pirjola L, Karjalainen P, Saukko E, Kuuluvainen H, Kulmala K, Keskinen J, Rönkkö T. 2020. Particulate emissions of a modern diesel passenger car under laboratory and real-world transient driving conditions. *Environmental Pollution*. 265(Part B). <https://doi.org/10.1016/j.envpol.2020.114948>

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>

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>

Simonen P, Kalliokoski J, Karjalainen P, Rönkkö T, Timonen H, Saarikoski S, Aurela M, Bloss M, Triantafyllopoulos G, Kontses A, Amanatidis S, Dimaratos A, Samaras Z, Keskinen J, Dal Maso M, Ntziachristos L. 2019. Characterization of laboratory and real driving emissions of individual Euro 6 light-duty vehicles – Fresh particles and secondary aerosol formation. *Environmental Pollution*. 255. <https://doi.org/10.1016/j.envpol.2019.113175>

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>

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>

Järvinen A, Timonen H, Karjalainen P, Bloss M, Simonen P, Saarikoski S, Kuuluvainen H, Kalliokoski J, Dal Maso M, Niemi JV, Keskinen J, Rönkkö T. 2019. Particle emissions of Euro VI, EEV and retrofitted EEV city buses in real traffic. *Environmental Pollution*. 250:708-716. <https://doi.org/10.1016/j.envpol.2019.04.033>

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 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>

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>

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>

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>

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>

Chatterjee P, Lahtinen L, Kokko M, Rintala J. 2018. Remediation of sedimented fiber originating from pulp and paper industry: Laboratory scale anaerobic reactor studies and ideas of scaling up. *Water Research*. 143:209-217. <https://doi.org/10.1016/j.watres.2018.06.054>

Jain R, Peräniemi S, Jordan N, Vogel M, Weiss S, Foerstendorf H, Lakaniemi A-M. 2018. Removal and recovery of uranium(VI) by waste digested activated sludge in fed-batch stirred tank reactor. *Water Research*. 142:167-175. <https://doi.org/10.1016/j.watres.2018.05.042>

Kuuluvainen H, Poikkimäki M, Järvinen A, Kuula J, Irljala M, Dal Maso M, Keskinen J, Timonen H, Niemi JV, Rönkkö T. 2018. Vertical profiles of lung deposited surface area concentration of particulate matter measured with a drone in a street canyon. *Environmental Pollution*. 241:96-105. <https://doi.org/10.1016/j.envpol.2018.04.100>

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>

Tan LC, Espinosa-Ortiz EJ, Nancharaiyah YV, van Hullebusch ED, Gerlach R, Lens PN. 2018. Selenate removal in biofilm systems: Effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community. *Journal of Chemical Technology and Biotechnology*. 93(8):2380-2389. <https://doi.org/10.1002/jctb.5586>

- Oluoti K, Doddapaneni TRKC, Richards T. 2018. Investigating the kinetics and biofuel properties of *Alstonia congensis* and *Ceiba pentandra* via torrefaction. *Energy*. 150:134-141. <https://doi.org/10.1016/j.energy.2018.02.086>
- Kokko M, Koskue V, Rintala J. 2018. Anaerobic digestion of 30–100-year-old boreal lake sedimented fibre from the pulp industry: Extrapolating methane production potential to a practical scale. *Water Research*. 133:218-226. <https://doi.org/10.1016/j.watres.2018.01.041>
- Šutka A, Vanags M, Joost U, Šmits K, Ruža J, Ločs J, Kleperis J, Juhna T. 2018. Aqueous synthesis of Z-scheme photocatalyst powders and thin-film photoanodes from earth abundant elements. *Journal of Environmental Chemical Engineering*. 6(2):2606-2615. <https://doi.org/10.1016/j.jece.2018.04.003>
- 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>
- 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>
- 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>
- 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>
- Afolaranmi SO, Ramis Ferrer B, Martinez Lastra JL. 2018. Technology review: prototyping platforms for monitoring ambient conditions. *International Journal of Environmental Health Research*. 28(3):253-279. <https://doi.org/10.1080/09603123.2018.1468423>
- Niemelä NP, Tolvanen H, Saarinen T, Leppänen A, Joronen T. 2017. CFD based reactivity parameter determination for biomass particles of multiple size ranges in high heating rate devolatilization. *Energy*. 128:676-687. <https://doi.org/10.1016/j.energy.2017.04.023>
- Dessi P, Lakaniemi A-M, Lens PNL. 2017. Biohydrogen production from xylose by fresh and digested activated sludge at 37, 55 and 70 °C. *Water Research*. 115:120-129. <https://doi.org/10.1016/j.watres.2017.02.063>
- 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>
- Järvinen A, Karjalainen P, Bloss M, Potila O, Simonen P, Kuuluvainen H, Timonen H, Saarikoski S, Niemi JV, Keskinen J, Rönkkö T. 2017. Chasing measurements for real-world emissions of city buses. *Julkaisun esittämispaiikka: European Aerosol Conference 2017, Zürich, Sveitsi*.
- 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>
- Auvinen H, Gagnon V, Rousseau DPL, du Laing G. 2017. Fate of metallic engineered nanomaterials in constructed wetlands: prospection and future research perspectives. *Reviews in Environmental Science and Bio-Technology*. 16(2):207–222. <https://doi.org/10.1007/s11157-017-9427-0>

Olin M, Kausiala O, Alanen J, Rönkkö T, Dal Maso M. 2017. Finding H₂SO₄-H₂O nucleation rates in high H₂SO₄ concentrations. Halonen R, Nikandrova A, Kontkanen J, Enroth JA, Vehkamäki H, Toimittajat. teoksessa Proceedings of the 20th International Conference on Nucleation and Atmospheric Aerosols. Aerosolitutkimusseura r.y., Finnish Association for Aerosol Research c/o University of Helsinki, Department of Physics. Sivut 476-479. (Report Series in Aerosol Science; 200).

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>

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.

van Hullebusch ED, Guibaud G, Simon S, Lenz M, Yekta SS, Feroso FG, Jain R, Duester L, Roussel J, Guillon E, Sklyberg U, Almeida CMR, Pechaud Y, Garuti M, Frunzo L, Esposito G, Carliell-Marquet C, Ortner M, Collins G. 2016. Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems: An overview. *Critical Reviews in Environmental Science and Technology*. 46(16):1324-1366. <https://doi.org/10.1080/10643389.2016.1235943>

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>

Dessi P, Jain R, Singh S, Seder-Colomina M, van Hullebusch ED, Rene ER, Ahammad SZ, Carucci A, Lens PNL. 2016. Effect of temperature on selenium removal from wastewater by UASB reactors. *Water Research*. 94:146-154. <https://doi.org/10.1016/j.watres.2016.02.007>

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 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>

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>

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>

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 Fe₃O₄ nanoparticles. *Green Chemistry*. 18(14):3981-3989. <https://doi.org/10.1039/c6gc00904b>

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>

Kinnunen V, Ylä-Outinen A, Rintala J. 2015. Mesophilic anaerobic digestion of pulp and paper industry biosludge-long-term reactor performance and effects of thermal pretreatment. *Water Research*. 87:105-111. <https://doi.org/10.1016/j.watres.2015.08.053>

Lay C-H, Kokko ME, Puhakka JA. 2015. Power generation in fed-batch and continuous up-flow microbial fuel cell from synthetic wastewater. *Energy*. 91:235-241. <https://doi.org/10.1016/j.energy.2015.08.029>

Olin M, Dal Maso M. 2015. Modelling new particle formation and growth using combined power law and log-normal distribution model. teoksessa EAC 2015, European Aerosol Conference. Milan, Italy: Italian Aerosol Society.

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>

Karvountzis-Kontakiotis A, Ntziachristos L, Samaras Z, Dimaratos A, Peckham M. 2015. Experimental Investigation of Cyclic Variability on Combustion and Emissions of a High-Speed SI Engine. teoksessa SAE 2015 World Congress and Exhibition. April toim. SAE International. <https://doi.org/10.4271/2015-01-0742>

Olin MP, Dal Maso MI. 2015. Modelling particle distribution using combined power-law and log-normal distribution model. teoksessa Proceedings of the NOSA-FAAR Symposium 2015. Kuopio, Finland: Aerosolitutkimusseura r.y., Finnish Association for Aerosol Research c/o University of Helsinki, Department of Physics.

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>

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>

Karavalakis G, Short D, Chen V, Espinoza C, Berte T, Durbin T, Asa-Awuku A, Jung H, Ntziachristos L, Amanatidis S, Bergmann A. 2014. Evaluating Particulate Emissions from a Flexible Fuel Vehicle with Direct Injection when Operated on Ethanol and Iso-butanol Blends. teoksessa SAE 2014 International Powertrains, Fuels and Lubricants Meeting, FFL 2014. SAE International. <https://doi.org/10.4271/2014-01-2768>

Olin MP, Arffman AS, Dal Maso MI, Keskinen JO, Rönkkö TS. 2014. Simulation of the Formation Process of Diesel Exhaust Particle Emissions. teoksessa Physics Days 2014. Tampere, Finland: Finnish Physical Society.

Taylor J, Altamirano-Medina H, Shrubsole C, Das P, Biddulph P, Davies M, Mavrogianni A, Oikonomou E. 2014. Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK. Julkaisun esittämispaikka: 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hongkong.

Das P, Chalabi Z, Davies M, Hamilton I, Jones B, Mavrogianni A, Shrubsole C, Taylor J. 2014. Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling. Julkaisun esittämispaikka: 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hongkong.

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>

Du L, Prasauskas T, Leivo V, Turunen M, Aaltonen A, Kiviste M, Martuzevicius D, Haverinen-Shaughnessy U. 2014. Building energy-efficiency interventions in North-East Europe: Effects on indoor environmental quality and public health. teoksessa *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate . Sivut 637-639.

Reponen T, Saari S, Mensah-Attipoe J, Ukkonen A, Veijalainen A, Pasanen P, Keskinen J. 2014. Characterization of charge in airborne fungal spores. teoksessa *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate . Sivut 359-361.

Amanatidis S, Ntziachristos L, Samaras Z, Kouridis C, Janka K, Tikkanen J. 2014. Use of a PPS sensor in evaluating the impact of fuel efficiency improvement technologies on the particle emissions of a euro 5 diesel car. teoksessa *SAE 2014 World Congress and Exhibition*. SAE International. <https://doi.org/10.4271/2014-01-1601>

Caserini S, Pastorello C, Gaifami P, Ntziachristos L. 2013. Impact of the dropping activity with vehicle age on air pollutant emissions. *Atmospheric Pollution Research*. 4(3):282-289. <https://doi.org/10.5094/APR.2013.031>

Kumar MS, Praveenkumar R, Ilavarasi A, Rajeshwari K, Thajuddin N. 2013. Biochemical changes of fresh water cyanobacteria *dolichospermum flos-aquae* NTMS07 to chromium-induced stress with special reference to antioxidant enzymes and cellular fatty acids. *Bulletin of Environmental Contamination and Toxicology*. 90(6):730-735. <https://doi.org/10.1007/s00128-013-0984-9>

Rasi S, Seppälä M, Rintala J. 2013. Organic silicon compounds in biogases produced from grass silage, grass and maize in laboratory batch assays. *Energy*. 52:137-142. <https://doi.org/10.1016/j.energy.2013.01.015>

Ntziachristos L, Amanatidis S, Samaras Z, Janka K, Tikkanen J. 2013. Application of the Pegasor Particle Sensor for the Measurement of Mass and Particle Number Emissions. *SAE International Journal of Fuels and Lubricants*. 6(2).

Ntziachristos L, Amanatidis S, Samaras Z, Giechaskiel B, Bergmann A. 2013. Use of a Catalytic Stripper as an Alternative to the Original PMP Measurement Protocol. *SAE International Journal of Fuels and Lubricants*. 6(2).

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, Samaras Z, Janka K, Tikkanen J. 2013. Applicability of the Pegasor particle sensor to measure particle number, mass and PM emissions. teoksessa *11th International Conference on Engines and Vehicles, ICE 2013*. <https://doi.org/10.4271/2013-24-0167>

Ntziachristos L, Amanatidis S, Samaras Z, Janka K, Tikkanen J. 2013. Application of the pegasor particle sensor for the measurement of mass and particle number emissions. teoksessa *SAE 2013 World Congress and Exhibition*. SAE International. <https://doi.org/10.4271/2013-01-1561>

Ntziachristos L, Amanatidis S, Samaras Z, Giechaskiel B, Bergmann A. 2013. Use of a catalytic stripper as an alternative to the original PMP measurement protocol. teoksessa *SAE 2013 World Congress and Exhibition*. SAE International. <https://doi.org/10.4271/2013-01-1563>

Bayr S, Rintala J. 2012. Thermophilic anaerobic digestion of pulp and paper mill primary sludge and co-digestion of primary and secondary sludge. *Water Research*. 46(15):4713-4720. <https://doi.org/10.1016/j.watres.2012.06.033>

- Ntziachristos L, Fragkiadoulakis P, Samaras Z, Janka K, Tikkanen J. 2011. Exhaust particle sensor for OBD application. teoksessa SAE 2011 World Congress and Exhibition. <https://doi.org/10.4271/2011-01-0626>
- 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 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>
- 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-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>
- Sormunen K, Ettala M, Rintala J. 2008. Detailed internal characterisation of two Finnish landfills by waste sampling. *Waste Management*. 28(1):151-163. <https://doi.org/10.1016/j.wasman.2007.01.003>
- Rasi S, Läntelä J, Veijanen A, Rintala J. 2008. Landfill gas upgrading with countercurrent water wash. *Waste Management*. 28(9):1528-1534. <https://doi.org/10.1016/j.wasman.2007.03.032>
- Einola JKM, Karhu AE, Rintala JA. 2008. Mechanically-biologically treated municipal solid waste as a support medium for microbial methane oxidation to mitigate landfill greenhouse emissions. *Waste Management*. 28(1):97-111. <https://doi.org/10.1016/j.wasman.2007.01.002>
- 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>
- Jokela JPY, Rintala JA. 2003. Anaerobic solubilisation of nitrogen from municipal solid waste (MSW). *Reviews in Environmental Science and Bio-Technology*. 2(1):67-77. <https://doi.org/10.1023/B:RESB.0000022830.62176.36>
- Suvilampi J, Rintala J. 2003. Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality. *Reviews in Environmental Science and Bio-Technology*. 2(1):35-51. <https://doi.org/10.1023/B:RESB.0000022959.46025.9a>