

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*, vol. 133, pp. 218-226. <https://doi.org/10.1016/j.watres.2018.01.041>

Jokela, JPY & Rintala, JA 2003, 'Anaerobic solubilisation of nitrogen from municipal solid waste (MSW)', *Reviews in Environmental Science and Bio-Technology*, vol. 2, no. 1, pp. 67-77. <https://doi.org/10.1023/B:RESB.0000022830.62176.36>

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*, vol. 691, pp. 960-968. <https://doi.org/10.1016/j.scitotenv.2019.07.136>

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*, vol. 19, no. 5, pp. 1024-1039. <https://doi.org/10.4209/aaqr.2018.04.0143>

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*, vol. 667, pp. 390-399. <https://doi.org/10.1016/j.scitotenv.2019.02.341>

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*, vol. 6, no. 2.

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*, vol. 6, no. 2, pp. 2606-2615. <https://doi.org/10.1016/j.jece.2018.04.003>

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*, vol. 731, 138955. <https://doi.org/10.1016/j.scitotenv.2020.138955>

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*, vol. 610-611, pp. 678-690. <https://doi.org/10.1016/j.scitotenv.2017.08.062>

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*, vol. 90, no. 6, pp. 730-735. <https://doi.org/10.1007/s00128-013-0984-9>

Streeck, 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*, vol. 20, no. 12, pp. 2742-2762. <https://doi.org/10.1039/c8gc00543e>

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*, vol. 115, pp. 120-129. <https://doi.org/10.1016/j.watres.2017.02.063>

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*, vol. 211, pp. 684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>

- Ramasamy, P, Lee, K, Lee, J & Oh, YK 2015, 'Breaking dormancy: An energy-efficient means of recovering astaxanthin from microalgae', *Green Chemistry*, vol. 17, no. 2, pp. 1226-1234. <https://doi.org/10.1039/c4gc01413h>
- 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*, vol. 128, pp. 676-687. <https://doi.org/10.1016/j.energy.2017.04.023>
- 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*, vol. 150, 105618. <https://doi.org/10.1016/j.jaerosci.2020.105618>
- 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*, vol. 255, 113175. <https://doi.org/10.1016/j.envpol.2019.113175>
- 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*, vol. 52, no. 4, pp. 1-13. <https://doi.org/10.1080/02786826.2017.1422236>
- 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*, vol. 126, pp. 191-204. <https://doi.org/10.1016/j.jaerosci.2018.09.005>
- Sormunen, K, Ettala, M & Rintala, J 2008, 'Detailed internal characterisation of two Finnish landfills by waste sampling', *Waste Management*, vol. 28, no. 1, pp. 151-163. <https://doi.org/10.1016/j.wasman.2007.01.003>
- Arffman, A, Juuti, P, Harra, J & Keskinen, J 2017, 'Differential diffusion analyzer', *Aerosol Science and Technology*, vol. 51, no. 12, pp. 1429-1437. <https://doi.org/10.1080/02786826.2017.1367089>
- 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*, vol. 53, no. 5, pp. 594-607. <https://doi.org/10.1080/02786826.2019.1584389>
- 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*, vol. 18, no. 14, pp. 3981-3989. <https://doi.org/10.1039/c6gc00904b>
- 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*, vol. 94, pp. 146-154. <https://doi.org/10.1016/j.watres.2016.02.007>
- 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*, vol. 250, 126105. <https://doi.org/10.1016/j.chemosphere.2020.126105>
- 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*, vol. 53, no. 5, pp. 526-539. <https://doi.org/10.1080/02786826.2019.1578858>

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*, vol. 57, pp. 144-155. <https://doi.org/10.1016/j.jaerosci.2012.12.001>

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*, vol. 52, no. 8, pp. 828-840. <https://doi.org/10.1080/02786826.2018.1472742>

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*, vol. 19, no. 8, pp. 1892-1899. <https://doi.org/10.4209/aaqr.2018.12.0474>

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*, vol. 16, no. 2, pp. 207-222. <https://doi.org/10.1007/s11157-017-9427-0>

Rostedt, A & Keskinen, J 2018, 'Flow rate-independent electrical aerosol sensor', *Aerosol Science and Technology*, vol. 52, no. 11, pp. 1283-1292. <https://doi.org/10.1080/02786826.2018.1498586>

Szabo, HM, Lepistö, R & Tuhkanen, T 2016, 'HPLC-SEC: a new approach to characterise complex wastewater effluents', *International Journal of Environmental Analytical Chemistry*, vol. 96, no. 3, pp. 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*, vol. 50, no. 2, pp. 126-132. <https://doi.org/10.1080/02786826.2015.1134764>

Caserini, S, Pastorello, C, Gaifami, P & Ntziachristos, L 2013, 'Impact of the dropping activity with vehicle age on air pollutant emissions', *Atmospheric Pollution Research*, vol. 4, no. 3, pp. 282-289. <https://doi.org/10.5094/APR.2013.031>

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*, vol. 50, no. 4, pp. 373-379. <https://doi.org/10.1080/02786826.2016.1153035>

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*, vol. 16, no. 12, pp. 3001-3011.

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*, vol. 621, pp. 398-406. <https://doi.org/10.1016/j.scitotenv.2017.11.227>

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*, vol. 160, no. 2-3, pp. 601-607. <https://doi.org/10.1016/j.jhazmat.2008.03.081>

Oluoti, K, Doddapaneni, TRKC & Richards, T 2018, 'Investigating the kinetics and biofuel properties of *Alstonia congensis* and *Ceiba pentandra* via torrefaction', *Energy*, vol. 150, pp. 134-141. <https://doi.org/10.1016/j.energy.2018.02.086>

Rasi, S, Läntelä, J, Veijanen, A & Rintala, J 2008, 'Landfill gas upgrading with countercurrent water wash', *Waste Management*, vol. 28, no. 9, pp. 1528-1534. <https://doi.org/10.1016/j.wasman.2007.03.032>

Kettunen, RH, Einola, JKM & Rintala, JA 2006, 'Landfill methane oxidation in engineered soil columns at low temperature', *Water Air and Soil Pollution*, vol. 177, no. 1-4, pp. 313-334. <https://doi.org/10.1007/s11270-006-9176-0>

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*, vol. 54, no. 8, pp. 958-971. <https://doi.org/10.1080/02786826.2020.1745141>

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*, vol. 28, no. 1, pp. 97-111. <https://doi.org/10.1016/j.wasman.2007.01.002>

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*, vol. 87, pp. 11500, pp. 105-111. <https://doi.org/10.1016/j.watres.2015.08.053>

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*, vol. 407, no. 1, pp. 67-83. <https://doi.org/10.1016/j.scitotenv.2008.08.016>

van Hullebusch, ED, Guibaud, G, Simon, S, Lenz, M, Yekta, SS, Feroso, FG, Jain, R, Duester, L, Roussel, J, Guillon, E, Skyllberg, 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*, vol. 46, no. 16, pp. 1324-1366. <https://doi.org/10.1080/10643389.2016.1235943>

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*, vol. 697, pp. 134105. <https://doi.org/10.1016/j.scitotenv.2019.134105>

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

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*, vol. 250, pp. 708-716. <https://doi.org/10.1016/j.envpol.2019.04.033>

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*, vol. 753, pp. 142207. <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*, vol. 265, no. Part B, pp. 114948. <https://doi.org/10.1016/j.envpol.2020.114948>

Saari, S, Arffman, A, Harra, J, Rönkkö, T & Keskinen, J 2018, 'Performance evaluation of the HR-ELPI + inversion', *Aerosol Science and Technology*, vol. 52, no. 9, pp. 1037-1047. <https://doi.org/10.1080/02786826.2018.1500679>

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*, vol. 51, no. 12, pp. 1398-1408. <https://doi.org/10.1080/02786826.2017.1356904>

- Lay, C-H, Kokko, ME & Puhakka, JA 2015, 'Power generation in fed-batch and continuous up-flow microbial fuel cell from synthetic wastewater', *Energy*, vol. 91, pp. 235-241. <https://doi.org/10.1016/j.energy.2015.08.029>
- 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*, vol. 25, no. 26, pp. 1-11. <https://doi.org/10.1007/s11356-017-8823-x>
- 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*, vol. 50, no. 5, pp. 487-496. <https://doi.org/10.1080/02786826.2016.1168511>
- 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*, vol. 4, no. 3, pp. 119-124. <https://doi.org/10.1021/acs.estlett.7b00024>
- 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*, vol. 547, pp. 234-243. <https://doi.org/10.1016/j.scitotenv.2015.12.095>
- 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*, vol. 143, pp. 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*, vol. 142, pp. 167-175. <https://doi.org/10.1016/j.watres.2018.05.042>
- 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*, vol. 15, no. 2, pp. 572-581. <https://doi.org/10.4209/aaqr.2014.10.0258>
- 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*, vol. 93, no. 8, pp. 2380-2389. <https://doi.org/10.1002/jctb.5586>
- 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*, vol. 23, no. 21, pp. 21619-21630. <https://doi.org/10.1007/s11356-016-7333-6>
- Afolaranmi, SO, Ramis Ferrer, B & Martinez Lastra, JL 2018, 'Technology review: prototyping platforms for monitoring ambient conditions', *International Journal of Environmental Health Research*, vol. 28, no. 3, pp. 253-279. <https://doi.org/10.1080/09603123.2018.1468423>
- 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*, vol. 86, pp. 32-43. <https://doi.org/10.1016/j.jaerosci.2015.04.003>
- 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*, vol. 11, no. 1, pp. 60-64. <https://doi.org/10.1039/b813030b>
- Suvilampi, J & Rintala, J 2003, 'Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality', *Reviews in Environmental Science and Bio-Technology*, vol. 2, no. 1, pp. 35-51. <https://doi.org/10.1023/B:RESB.0000022959.46025.9a>

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*, vol. 46, no. 15, pp. 4713-4720. <https://doi.org/10.1016/j.watres.2012.06.033>

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- $\alpha$ -olefins from lignocellulose', *Green Chemistry*, vol. 22, no. 15, pp. 5067-5076. <https://doi.org/10.1039/d0gc01617a>

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*, vol. 50, no. 2, pp. 187-197. <https://doi.org/10.1080/02786826.2016.1141164>

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*, vol. 6, no. 2.

Kuuluvainen, H, Poikkimäki, M, Järvinen, A, Kuula, J, Irjala, 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*, vol. 241, pp. 96-105. <https://doi.org/10.1016/j.envpol.2018.04.100>

Sivula, L, Ilander, A, Väisänen, A & Rintala, J 2010, 'Weathering of gasification and grate bottom ash in anaerobic conditions', *Journal of Hazardous Materials*, vol. 174, no. 1-3, pp. 344-351. <https://doi.org/10.1016/j.jhazmat.2009.09.056>

Olin, M, Kausiala, O, Alanen, J, Rönkkö, T & Dal Maso, M 2017, Finding H<sub>2</sub>SO<sub>4</sub>-H<sub>2</sub>O nucleation rates in high H<sub>2</sub>SO<sub>4</sub> concentrations. in R Halonen, A Nikandrova, J Kontkanen, JA Enroth & H Vehkamäki (eds), *Proceedings of the 20th International Conference on Nucleation and Atmospheric Aerosols*. Report Series in Aerosol Science, no. 200, Aerosolitutkimusseura r.y., Finnish Association for Aerosol Research c/o University of Helsinki, Department of Physics, pp. 476-479, 20th International Conference on Nucleation and Atmospheric Aerosols, Helsinki, Finland, 25/06/17.

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. in *11th International Conference on Engines and Vehicles, ICE 2013*. vol. 6, 11th International Conference on Engines and Vehicles, ICE 2013, Capri, Naples, Italy, 15/09/13. <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. in *SAE 2013 World Congress and Exhibition*. vol. 2, SAE International, SAE 2013 World Congress and Exhibition, Detroit, MI, United States, 16/04/13. <https://doi.org/10.4271/2013-01-1561>

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. in *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate, pp. 637-639, 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hong Kong, 7/07/14.

Reponen, T, Saari, S, Mensah-Attipoe, J, Ukkonen, A, Veijalainen, A, Pasanen, P & Keskinen, J 2014, Characterization of charge in airborne fungal spores. in *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate, pp. 359-361, 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hong Kong, 7/07/14.

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. in *SAE 2014 International Powertrains, Fuels and Lubricants Meeting, FFL 2014*. vol.

2014-October, SAE International, SAE 2014 International Powertrains, Fuels and Lubricants Meeting, FFL 2014, Birmingham, United Kingdom, 20/10/14. <https://doi.org/10.4271/2014-01-2768>

Ntziachristos, L, Fragkiadoulakis, P, Samaras, Z, Janka, K & Tikkanen, J 2011, Exhaust particle sensor for OBD application. in *SAE 2011 World Congress and Exhibition*. SAE 2011 World Congress and Exhibition, Detroit, MI, United States, 12/04/11. <https://doi.org/10.4271/2011-01-0626>

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. in *SAE 2015 World Congress and Exhibition*. April edn, vol. 2015-April, SAE International, SAE 2015 World Congress and Exhibition, Detroit, United States, 21/04/15. <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. in *Proceedings of the NOSA-FAAR Symposium 2015*. Aerosolitutkimusseura r.y., Finnish Association for Aerosol Research c/o University of Helsinki, Department of Physics, Kuopio, Finland, NOSA-FAAR Symposium 2015, Kuopio, Finland, 12/03/15.

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. in *SAE WCX 2020 World Congress Experience*, 2020-01-0386, SAE Technical Papers, SAE International, SAE World Congress Experience, Detroit, United States, 21/04/20. <https://doi.org/10.4271/2020-01-0386>

Olin, MP, Arffman, AS, Dal Maso, MI, Keskinen, JO & Rönkkö, TS 2014, Simulation of the Formation Process of Diesel Exhaust Particle Emissions. in *Physics Days 2014*. Finnish Physical Society, Tampere, Finland, Physics Days 2014, March 11 - 13, 2014, Tampere, Finland, 1/01/14.

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. in *SAE 2013 World Congress and Exhibition*. vol. 2, SAE International, SAE 2013 World Congress and Exhibition, Detroit, MI, United States, 16/04/13. <https://doi.org/10.4271/2013-01-1563>

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. in *SAE 2014 World Congress and Exhibition*. vol. 1, SAE International, SAE 2014 World Congress and Exhibition, Detroit, MI, United States, 8/04/14. <https://doi.org/10.4271/2014-01-1601>

Olin, M & Dal Maso, M 2015, Modelling new particle formation and growth using combined power law and log-normal distribution model. in *EAC 2015, European Aerosol Conference*. Italian Aerosol Society, Milan, Italy, European Aerosol Conference, 1/01/00.

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' Paper presented at European Aerosol Conference 2017, Zürich, Switzerland, 27/08/17 - 1/09/17, .

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' Paper presented at 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hong Kong, 7/07/14 - 12/07/14, pp. 60-67.

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' Paper presented at 13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014, Hong Kong, Hong Kong, 7/07/14 - 12/07/14, pp. 553-555.

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*, vol. 67, pp. 48-86. <https://doi.org/10.1016/j.jaerosci.2013.09.003>

