

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>

Alanen, J, Isotalo, M, Kuittinen, N, Simonen, P, Martikainen, S, Kuuluvainen, H, Honkanen, M, Lehtoranta, K, Nyysönen, S, Vesala, H, Timonen, H, Aurela, M, Keskinen, J & Rönkkö, T 2020, 'Physical Characteristics of Particle Emissions from a Medium Speed Ship Engine Fueled with Natural Gas and Low-Sulfur Liquid Fuels', *Environmental Science and Technology*, vol. 54, no. 9, pp. 5376-5384. <https://doi.org/10.1021/acs.est.9b06460>

Saarimaa, V, Fuertes, N, Persson, D, Zavalis, T, Kaleva, A, Nikkanen, J-P, Levänen, E & Heydari, G 2020, 'Assessment of pitting corrosion in bare and passivated (wet 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, 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*, vol. 250, 126105. <https://doi.org/10.1016/j.chemosphere.2020.126105>

Myllykangas, JP, Rissanen, AJ, Hietanen, S & Jilbert, T 2020, 'Influence of electron acceptor availability and microbial community structure on sedimentary methane oxidation in a boreal estuary', *BIOGEOCHEMISTRY*, vol. 148, no. 3, pp. 291-309. <https://doi.org/10.1007/s10533-020-00660-z>

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

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

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>

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, 142207. <https://doi.org/10.1016/j.scitotenv.2020.142207>

Wang, M, Chen, D, Xiao, M, Ye, Q, Stolzenburg, D, Hofbauer, V, Ye, P, Vogel, AL, Mauldin, RL, Amorim, A, Baccarini, A, Baumgartner, B, Brilke, S, Dada, L, Dias, A, Duplissy, J, Finkenzeller, H, Garmash, O, He, XC, Hoyle, CR, Kim, C, Kvashnin, A, Lehtipalo, K, Fischer, L, Molteni, U, Petäjä, T, Pospisilova, V, Quéléver, LLJ, Rissanen, M, Simon, M, Tauber, C, Tomé, A, Wagner, AC, Weitz, L, Volkamer, R, Winkler, PM, Kirkby, J, Worsnop, DR, Kulmala, M, Baltensperger, U, Dommen, J, El-Haddad, I & Donahue, NM 2020, 'Photo-oxidation of Aromatic Hydrocarbons Produces Low-Volatility Organic Compounds', *Environmental Science and Technology*, vol. 54, no. 13, pp. 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*, vol. 22, no. 15, pp. 5067-5076. <https://doi.org/10.1039/d0gc01617a>

- Eregowda, T, Kokko, ME, Rene, ER, Rintala, J & Lens, PNL 2020, 'Volatile fatty acid production from Kraft mill foul condensate in upflow anaerobic sludge blanket reactors', *Environmental Technology (United Kingdom)*. <https://doi.org/10.1080/09593330.2019.1703823>
- 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, 134105. <https://doi.org/10.1016/j.scitotenv.2019.134105>
- 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>
- 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*, vol. 53, no. 23, pp. 13618–13628. <https://doi.org/10.1021/acs.est.9b05317>
- Ye, Q, Wang, M, Hofbauer, V, Stolzenburg, D, Chen, D, Schervish, M, Vogel, A, Mauldin, RL, Baalbaki, R, Brilke, S, Dada, L, Dias, A, Duplissy, J, El Haddad, I, Finkenzeller, H, Fischer, L, He, X, Kim, C, Kürten, A, Lamkaddam, H, Lee, CP, Lehtipalo, K, Leiminger, M, Manninen, HE, Marten, R, Mentler, B, Partoll, E, Petäjä, T, Rissanen, M, Schobesberger, S, Schuchmann, S, Simon, M, Tham, YJ, Vazquez-Pufleau, M, Wagner, AC, Wang, Y, Wu, Y, Xiao, M, Baltensperger, U, Curtius, J, Flagan, R, Kirkby, J, Kulmala, M, Volkamer, R, Winkler, PM, Worsnop, D & Donahue, NM 2019, 'Molecular Composition and Volatility of Nucleated Particles from α -Pinene Oxidation between -50 °c and +25 °c', *Environmental Science and Technology*, vol. 53, no. 21, pp. 12357-12365. <https://doi.org/10.1021/acs.est.9b03265>
- Haavisto, J, Dessi, P, Chatterjee, P, Honkanen, M, Noori, MT, Kokko, M, Lakaniemi, AM, Lens, PNL & Puhakka, JA 2019, 'Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell', *Chemical Engineering Journal*, vol. 372, pp. 141-150. <https://doi.org/10.1016/j.cej.2019.04.090>
- Karjalainen, P, Rönkkö, T, Simonen, P, Ntziachristos, L, Juuti, P, Timonen, H, Teinilä, K, Saarikoski, S, Saveljeff, H, Lauren, M, Happonen, M, Matilainen, P, Maunula, T, Nuottimäki, J & Keskinen, J 2019, 'Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines', *Environmental science & technology*, vol. 53, no. 17, pp. 10408-10416. <https://doi.org/10.1021/acs.est.9b04073>
- Lehmusto, J, Olin, M, Viljanen, J, Kalliokoski, J, Mylläri, F, Toivonen, J, Dal Maso, M & Hupa, L 2019, 'Detection of gaseous species during KCl-induced high-temperature corrosion by the means of CPFAAS and CI-API-TOF', *Materials and Corrosion*. <https://doi.org/10.1002/maco.201910964>
- 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>
- 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>
- 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>
- 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>

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>

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*, vol. 17, pp. 1-10. <https://doi.org/10.1016/j.spc.2018.08.008>

Jagadabhi, PS, Kaparaju, P, Väisänen, A & Rintala, J 2019, 'Effect of macro- and micro-nutrients addition during anaerobic mono-digestion of grass silage in leach-bed reactors', *Environmental Technology*, vol. 40, no. 4, pp. 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*, vol. 5, no. 6. <https://doi.org/10.1680/jenge.2018.5.6.309>

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>

Uusheimo, S, Huotari, J, Tulonen, T, Aalto, SL, Rissanen, AJ & Arvola, L 2018, 'High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate', *Environmental science & technology*, vol. 52, no. 22, pp. 13343-13350. <https://doi.org/10.1021/acs.est.8b03032>

Tan, LC, Nancharaiah, 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>

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>

Hyvälouma, 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>

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>

Karvinen, J, Joki, T, Ylä-Outinen, L, Koivisto, JT, Narkilahti, S & Kellomäki, M 2018, 'Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells', *Reactive and Functional Polymers*, vol. 124, pp. 29-39. <https://doi.org/10.1016/j.reactfunctpolym.2017.12.019>

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>

Doddapaneni, TRKC, Jain, R, Praveenkumar, R, Rintala, J, Romar, H & Konttinen, J 2018, 'Adsorption of furfural from torrefaction condensate using torrefied biomass', *Chemical Engineering Journal*, vol. 334, pp. 558-568. <https://doi.org/10.1016/j.cej.2017.10.053>

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>

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>

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>

Nykänen, H, Mpamah, PA & Rissanen, AJ 2018, 'Stable carbon isotopic composition of peat columns, subsoil and vegetation on natural and forestry-drained boreal peatlands', *Isotopes in Environmental and Health Studies*, vol. 54, no. 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*, vol. 4, no. 3, pp. 119-124. <https://doi.org/10.1021/acs.estlett.7b00024>

Milani, R, Houbenov, N, Fernandez-Palacio, F, Cavallo, G, Luzio, A, Haataja, J, Giancane, G, Saccone, M, Priimägi, A, Metrangolo, P & Ikkala, O 2017, 'Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains', *Chem*, vol. 2, no. 3, pp. 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*, vol. 51, no. 12, pp. 1429-1437. <https://doi.org/10.1080/02786826.2017.1367089>

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>

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>

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.

Smith, JD, Mitsakou, C, Kitwiroon, N, Barratt, BM, Walton, HA, Taylor, JG, Anderson, HR, Kelly, FJ & Beevers, SD 2016, 'London Hybrid Exposure Model: Improving Human Exposure Estimates to NO₂ and PM_{2.5} in an Urban Setting', *Environmental Science and Technology*, vol. 50, no. 21, pp. 11760-11768. <https://doi.org/10.1021/acs.est.6b01817>

Jain, R, Dominic, D, Jordan, N, Rene, ER, Weiss, S, van Hullebusch, ED, Hübner, R & Lens, PNL 2016, 'Higher Cd adsorption on biogenic elemental selenium nanoparticles', *ENVIRONMENTAL CHEMISTRY LETTERS*, vol. 14, no. 3, pp. 381-386. <https://doi.org/10.1007/s10311-016-0560-8>

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>

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>

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>

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>

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>

Pirjola, L, Dittrich, A, Niemi, JV, Saarikoski, S, Timonen, H, Kuuluvainen, H, Järvinen, A, Kousa, A, Rönkkö, T & Hillamo, R 2016, 'Physical and Chemical Characterization of Real-World Particle Number and Mass Emissions from City Buses in Finland', *Environmental Science and Technology*, vol. 50, no. 1, pp. 294-304. <https://doi.org/10.1021/acs.est.5b04105>

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*, vol. 18, no. 14, pp. 3981-3989. <https://doi.org/10.1039/c6gc00904b>

Jain, R, Dominic, D, Jordan, N, Rene, ER, Weiss, S, van Hullebusch, ED, Hübner, R & Lens, PNL 2016, 'Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles', *Chemical Engineering Journal*, vol. 284, pp. 917-925. <https://doi.org/10.1016/j.cej.2015.08.144>

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>

Seo, JY, Lee, K, Ramasamy, P, Kim, B, Lee, SY, Oh, YK & Park, SB 2015, 'Tri-functionality of Fe₃O₄-embedded carbon microparticles in microalgae harvesting', *Chemical Engineering Journal*, vol. 280, pp. 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, 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>

Pirjola, L, Karjalainen, P, Heikkilä, J, Saari, S, Tzamkiozis, T, Ntziachristos, L, Kulmala, K, Keskinen, J & Rönkkö, T 2015, 'Effects of fresh lubricant oils on particle emissions emitted by a modern gasoline direct injection passenger car', *Environmental Science and Technology*, vol. 49, no. 6, pp. 3644-3652. <https://doi.org/10.1021/es505109u>

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>

Koivisto, AJ, Jensen, ACØ, Levin, M, Kling, KI, Maso, MD, Nielsen, SH, Jensen, KA & Koponen, IK 2015, 'Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory', *Environmental Sciences: Processes and Impacts*, vol. 17, no. 1, pp. 62-73. <https://doi.org/10.1039/c4em00532e>

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

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>

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*, vol. 48, no. 19, pp. 11527-11534. <https://doi.org/10.1021/es502895v>

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>

Gerlofs-Nijland, ME, Totlandsdal, AI, Tzamkiozis, T, Leseman, DLAC, Samaras, Z, Låg, M, Schwarze, P, Ntziachristos, L & Cassee, FR 2013, 'Cell toxicity and oxidative potential of engine exhaust particles: Impact of using particulate filter or biodiesel fuel blend', *Environmental Science and Technology*, vol. 47, no. 11, pp. 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*, vol. 223, pp. 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*, vol. 57, pp. 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*, vol. 33, no. 1, pp. 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*, vol. 62, no. 7, pp. 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*, vol. 174, no. 1-3, pp. 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*, vol. 11, no. 1, pp. 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*, vol. 160, no. 2-3, pp. 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*, vol. 407, no. 1, pp. 67-83. <https://doi.org/10.1016/j.scitotenv.2008.08.016>

Jagadabhi, PS, Lehtomäki, A & Rintala, J 2008, 'CO-digestion of grass silage and cow manure in a CSTR by re-circulation of alkali treated solids of the digestate', *Environmental Technology*, vol. 29, no. 10, pp. 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*, vol. 29, no. 6, pp. 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*, vol. 71, no. 1, pp. 1-9. <https://doi.org/10.1016/j.chemosphere.2007.10.060>

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>

Kaparaju, PLN & Rintala, JA 2006, 'Thermophilic anaerobic digestion of industrial orange waste', *Environmental Technology*, vol. 27, no. 6, pp. 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*, vol. 27, no. 1, pp. 41-51. <https://doi.org/10.1080/09593332708618620>

Kaparaju, PLN & Rintala, JA 2005, 'The effects of post-treatments and temperature on recovering the methane potential of >2 mm solid fraction of digested cow manure', *Environmental Technology*, vol. 26, no. 6, pp. 625-631.

Martinen, SK, Hänninen, K & Rintala, JA 2004, 'Removal of DEHP in composting and aeration of sewage sludge', *Chemosphere*, vol. 54, no. 3, pp. 265-272. [https://doi.org/10.1016/S0045-6535\(03\)00661-1](https://doi.org/10.1016/S0045-6535(03)00661-1)

Martinen, SK, Kettunen, RH & Rintala, JA 2003, 'Occurrence and removal of organic pollutants in sewages and landfill leachates', *Science of the Total Environment*, vol. 301, no. 1-3, pp. 1-12.

Kaparaju, PLN & Rintala, JA 2003, 'Effects of temperature on post-methanation of digested dairy cow manure in a farm-scale biogas production system', *Environmental Technology*, vol. 24, no. 10, pp. 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*, vol. 24, no. 9, pp. 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*, vol. 23, no. 10, pp. 1127-1133.

Martinen, SK, Kettunen, RH, Sormunen, KM, Soimasuo, RM & Rintala, JA 2002, 'Screening of physical-chemical methods for removal of organic material, nitrogen and toxicity from low strength landfill leachates', *Chemosphere*, vol. 46, no. 6, pp. 851-858. [https://doi.org/10.1016/S0045-6535\(01\)00150-3](https://doi.org/10.1016/S0045-6535(01)00150-3)

Tuppurainen, KO, Väisänen, AO & Rintala, JA 2002, 'Sulphate-reducing laboratory-scale high-rate anaerobic reactors for treatment of metal-and sulphate-containing mine wastewater', *Environmental Technology*, vol. 23, no. 6, pp. 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*, vol. 22, no. 5, pp. 577-585.

Shaughnessy, DT, Ohe, T, Landi, S, Warren, SH, Richard, AM, Munter, T, Franzén, R, Kronberg, L & DeMarini, DM 2000, 'Mutation spectra of the drinking water mutagen 3-chloro-4-methyl-5-hydroxy-2(5H)-furanone (MCF) in Salmonella TA100 and TA104: Comparison to MX', *Environmental and Molecular Mutagenesis*, vol. 35, no. 2, pp. 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*, vol. 38, no. 5, pp. 973-980. [https://doi.org/10.1016/S0045-6535\(98\)00358-0](https://doi.org/10.1016/S0045-6535(98)00358-0)

Salminen, EA & Rintala, JA 1999, 'Anaerobic digestion of poultry slaughtering wastes', *Environmental Technology*, vol. 20, no. 1, pp. 21-28.

Vuorio, E, Vahala, R, Rintala, J & Laukkanen, R 1998, 'The evaluation of drinking water treatment performed with HPSEC', *Environment International*, vol. 24, no. 5-6, pp. 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*, vol. 36, no. 13, pp. 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, RM, Rintala, J & Laukkanen, R 1998, 'The effects of nutrients on natural organic matter (NOM) removal in biological activated carbon (BAC) filtration', *Acta Hydrochimica et Hydrobiologica*, vol. 26, no. 3, pp. 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*, vol. 29, no. 7, pp. 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*, vol. 28, no. 12, pp. 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*, vol. 24, no. 4, pp. 317-324. <https://doi.org/10.1002/em.2850240409>