

Soinne, Helena ; Keskinen, Riikka ; Heikkinen, Jaakko ; Hyväluoma, Jari ; Uusitalo, Risto ; Peltoniemi, Krista ; Velmala, Sannakajsa ; Pennanen, Taina ; Fritze, Hannu ; Kaseva, Janne ; Hannula, Markus ; Rasa, Kimmo. / **Are there environmental or agricultural benefits in using forest residue biochar in boreal agricultural clay soil?**. In: Science of the Total Environment. 2020 ; Vol. 731.

Ovaska, Teemu ; Niemi, Seppo ; Sirviö, Katriina ; Nilsson, Olav ; Karjalainen, Panu ; Rönkkö, Topi ; Kulmala, Kari ; Keskinen, Jorma. / **Role of Lubricating Oil Properties in Exhaust Particle Emissions of an Off-Road Diesel Engine**. SAE WCX 2020 World Congress Experience. SAE International, 2020. (SAE Technical Papers).

Olin, Miska ; Dal Maso, Miikka. / **CFD modeling the diffusional losses of nanocluster-sized particles and condensing vapors in 90° bends of circular tubes**. In: Journal of Aerosol Science. 2020 ; Vol. 150.

Chakraborty, Samayita ; Rene, Eldon R. ; Lens, Piet N.L. ; Rintala, Jukka ; Veiga, María C. ; Kennes, Christian. / **Effect of tungsten and selenium on C₁ gas bioconversion by an enriched anaerobic sludge and microbial community analysis**. In: Chemosphere. 2020 ; Vol. 250.

Lepistö, Teemu ; Kuuluvainen, Heino ; Juuti, Paxton ; Järvinen, Anssi ; Arffman, Anssi ; Rönkkö, Topi. / **Measurement of the human respiratory tract deposited surface area of particles with an electrical low pressure impactor**. In: Aerosol Science and Technology. 2020 ; Vol. 54, No. 8. pp. 958-971.

Chu, Biwu ; Dada, Lubna ; Liu, Yongchun ; Yao, Lei ; Wang, Yonghong ; Du, Wei ; Cai, Jing ; Dällenbach, K. R. ; Chen, Xueming ; Simonen, Pauli ; Zhou, Ying ; Deng, Chenjuan ; Fu, Yueyun ; Yin, Rujing ; Li, Haiyan ; He, Xu Cheng ; Feng, Zeming ; Yan, Chao ; Kangasluoma, Juha ; Bianchi, Federico ; Jiang, Jingkun ; Kujansuu, Joni ; Kerminen, Veli Matti ; Petäjä, Tuukka ; He, Hong ; Kulmala, Markku. / **Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China**. In: Science of the Total Environment. 2020 ; Vol. 753.

Wihersaari, Hugo ; Pirjola, Liisa ; Karjalainen, Panu ; Saukko, Erkka ; Kuuluvainen, Heino ; Kulmala, Kari ; Keskinen, Jorma ; Rönkkö, Topi. / **Particulate emissions of a modern diesel passenger car under laboratory and real-world transient driving conditions**. In: Environmental Pollution. 2020 ; Vol. 265, No. Part B.

Heikkilä, Paavo ; Rossi, Jussi ; Rostedt, Antti ; Huhtala, Janne ; Järvinen, Anssi ; Toivonen, Juha ; Keskinen, Jorma. / **Toward elemental analysis of ambient single particles using electrodynamic balance and laser-induced breakdown spectroscopy**. In: Aerosol Science and Technology. 2020.

Salmela, Milla ; Lehtinen, Tapio ; Efimova, Elena ; Santala, Suvi ; Santala, Ville. / **Towards bioproduction of poly- α -olefins from lignocellulose**. In: Green Chemistry. 2020 ; Vol. 22, No. 15. pp. 5067-5076.

Symonds, Phil ; Hutchinson, Emma ; Ibbetson, Andrew ; Taylor, Jonathon ; Milner, James ; Chalabi, Zaid ; Davies, Michael ; Wilkinson, Paul. / **MicroEnv : A microsimulation model for quantifying the impacts of environmental policies on population health and health inequalities**. In: Science of the Total Environment. 2019 ; Vol. 697.

Simonen, Pauli ; Kalliokoski, Joni ; Karjalainen, Panu ; Rönkkö, Topi ; Timonen, Hilka ; Saarikoski, Sanna ; Aurela, Minna ; Bloss, Matthew ; Triantafyllopoulos, Georgios ; Kontses, Anastasios ; Amanatidis, Stavros ; Dimaratos, Athanasios ; Samaras, Zissis ; Keskinen, Jorma ; Dal Maso, Miikka ; Ntziachristos, Leonidas. / **Characterization of laboratory and real driving emissions of individual Euro 6 light-duty vehicles – Fresh particles and secondary aerosol formation**. In: Environmental Pollution. 2019 ; Vol. 255.

Singh, Suniti ; Rinta-Kanto, Johanna M. ; Kettunen, Riitta ; Tolvanen, Henrik ; Lens, Piet ; Collins, Gavin ; Kokko, Marika ; Rintala, Jukka. / **Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C : Process performance and microbial community dynamics**. In: Science of the Total Environment. 2019 ; Vol. 691. pp. 960-968.

Juuti, Paxton ; Nikka, Markus ; Gunell, Marianne ; Eerola, Erkki ; Saarinen, Jarkko J. ; Omori, Youichi ; Seto, Takafumi ; Mäkelä, Jyrki M. / **Fabrication of fiber filters with antibacterial properties for VOC and particle removal**. In: Aerosol and Air Quality Research. 2019 ; Vol. 19, No. 8. pp. 1892-1899.

Järvinen, Anssi ; Timonen, Hilikka ; Karjalainen, Panu ; Bloss, Matthew ; Simonen, Pauli ; Saarikoski, Sanna ; Kuuluvainen, Heino ; Kalliokoski, Joni ; Dal Maso, Miikka ; Niemi, Jarkko V. ; Keskinen, Jorma ; Rönkkö, Topi. / **Particle emissions of Euro VI, EEV and retrofitted EEV city buses in real traffic.** In: Environmental Pollution. 2019 ; Vol. 250. pp. 708-716.

Taylor, Jonathon ; Shrubsole, Clive ; Symonds, Phil ; Mackenzie, Ian ; Davies, Michael. / **Application of an indoor air pollution metamodel to a spatially-distributed housing stock.** In: Science of the Total Environment. 2019 ; Vol. 667. pp. 390-399.

Carbone, Samara ; Timonen, Hilikka J. ; Rostedt, Antti ; Happonen, Matti ; Rönkkö, Topi ; Keskinen, Jorma ; Ristimäki, Jyrki ; Korpi, Heikki ; Artaxo, Paulo ; Canagaratna, Manjula ; Worsnop, Douglas ; Canonaco, Francesco ; Prévôt, Andre S.H. ; Hillamo, Risto ; Saarikoski, Sanna. / **Distinguishing fuel and lubricating oil combustion products in diesel engine exhaust particles.** In: Aerosol Science and Technology. 2019 ; Vol. 53, No. 5. pp. 594-607.

Kuula, Joel ; Kuuluvainen, Heino ; Rönkkö, Topi ; Niemi, Jarkko V. ; Saukko, Erkka ; Portin, Harri ; Aurela, Minna ; Saarikoski, Sanna ; Rostedt, Antti ; Hillamo, Risto ; Timonen, Hilikka. / **Applicability of optical and diffusion charging-based particulate matter sensors to urban air quality measurements.** In: Aerosol and Air Quality Research. 2019 ; Vol. 19, No. 5. pp. 1024-1039.

Salo, Laura ; Mylläri, Fanni ; Maasikmets, Marek ; Niemelä, Ville ; Konist, Alar ; Vainumäe, Keio ; Kupri, Hanna Lii ; Titova, Riina ; Simonen, Pauli ; Aurela, Minna ; Bloss, Matthew ; Keskinen, Jorma ; Timonen, Hilikka ; Rönkkö, Topi. / **Emission measurements with gravimetric impactors and electrical devices : An aerosol instrument comparison.** In: Aerosol Science and Technology. 2019 ; Vol. 53, No. 5. pp. 526-539.

Aakko-Saksa, Päivi ; Koponen, Päivi ; Aurela, Minna ; Vesala, Hannu ; Piimäkorpi, Pekka ; Murtonen, Timo ; Sippula, Olli ; Koponen, Hanna ; Karjalainen, Panu ; Kuittinen, Niina ; Panteliadis, Pavlos ; Rönkkö, Topi ; Timonen, Hilikka. / **Considerations in analysing elemental carbon from marine engine exhaust using residual, distillate and biofuels.** In: Journal of Aerosol Science. 2018 ; Vol. 126. pp. 191-204.

Tan, Lea Chua ; Nancharaiyah, Yarlagadda V. ; Lu, Shipeng ; van Hullebusch, Eric D. ; Gerlach, Robin ; Lens, Piet N.L. / **Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0.** In: Chemosphere. 2018 ; Vol. 211. pp. 684-693.

Chatterjee, Pritha ; Lahtinen, Leijja ; Kokko, Marika ; Rintala, Jukka. / **Remediation of sedimented fiber originating from pulp and paper industry : Laboratory scale anaerobic reactor studies and ideas of scaling up.** In: Water Research. 2018 ; Vol. 143. pp. 209-217.

Jain, Rohan ; Peräniemi, Sirpa ; Jordan, Norbert ; Vogel, Manja ; Weiss, Stephan ; Foerstendorf, Harald ; Lakaniemi, Aino-Maija. / **Removal and recovery of uranium(VI) by waste digested activated sludge in fed-batch stirred tank reactor.** In: Water Research. 2018 ; Vol. 142. pp. 167-175.

Kuuluvainen, Heino ; Poikkimäki, Mikko ; Järvinen, Anssi ; Kuula, Joel ; Irjala, Matti ; Dal Maso, Miikka ; Keskinen, Jorma ; Timonen, Hilikka ; Niemi, Jarkko V. ; Rönkkö, Topi. / **Vertical profiles of lung deposited surface area concentration of particulate matter measured with a drone in a street canyon.** In: Environmental Pollution. 2018 ; Vol. 241. pp. 96-105.

Saari, Sampo ; Arffman, Anssi ; Harra, Juha ; Rönkkö, Topi ; Keskinen, Jorma. / **Performance evaluation of the HR-ELPI + inversion.** In: Aerosol Science and Technology. 2018 ; Vol. 52, No. 9. pp. 1037-1047.

Hyvälouma, Jari ; Kulju, Sampo ; Hannula, Markus ; Wikberg, Hanne ; Källi, Anssi ; Rasa, Kimmo. / **Quantitative characterization of pore structure of several biochars with 3D imaging.** In: Environmental Science and Pollution Research. 2018 ; Vol. 25, No. 26. pp. 1-11.

Järvinen, A. ; Keskinen, J. ; Yli-Ojanperä, J. / **Extending the Faraday cup aerosol electrometer based calibration method up to 5 µm.** In: Aerosol Science and Technology. 2018 ; Vol. 52, No. 8. pp. 828-840.

Tan, Lea Chua ; Espinosa-Ortiz, Erika J. ; Nancharaiyah, Yarlagadda V. ; van Hullebusch, Eric D. ; Gerlach, Robin ; Lens, Piet Nl. / **Selenate removal in biofilm systems : Effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community.** In: Journal of Chemical Technology and Biotechnology. 2018 ; Vol. 93, No. 8. pp. 2380-2389.

Oluoti, Kehinde ; Doddapaneni, Tharaka Rama K.C. ; Richards, Tobias. / **Investigating the kinetics and biofuel properties of *Alstonia congensis* and *Ceiba pentandra* via torrefaction.** In: Energy. 2018 ; Vol. 150. pp. 134-141.

Kokko, Marika ; Koskue, Veera ; Rintala, Jukka. / **Anaerobic digestion of 30–100-year-old boreal lake sedimented fibre from the pulp industry : Extrapolating methane production potential to a practical scale.** In: Water Research. 2018 ; Vol. 133. pp. 218-226.

Šutka, A. ; Vanags, M. ; Joost, U. ; Šmits, K. ; Ruža, J. ; Ločs, J. ; Kleperis, J. ; Juhna, T. / **Aqueous synthesis of Z-scheme photocatalyst powders and thin-film photoanodes from earth abundant elements.** In: Journal of Environmental Chemical Engineering. 2018 ; Vol. 6, No. 2. pp. 2606-2615.

Macintyre, H. L. ; Heaviside, C. ; Taylor, J. ; Picetti, R. ; Symonds, P. ; Cai, X. M. ; Vardoulakis, S. / **Assessing urban population vulnerability and environmental risks across an urban area during heatwaves – Implications for health protection.** In: Science of the Total Environment. 2018 ; Vol. 610-611. pp. 678-690.

Streck, J. ; Hank, C. ; Neuner, M. ; Gil-Carrera, L. ; Kokko, M. ; Pauliuk, S. ; Schaadt, A. ; Kerzenmacher, S. ; White, R. J. / **Bio-electrochemical conversion of industrial wastewater-COD combined with downstream methanol synthesis-an economic and life cycle assessment.** In: Green Chemistry. 2018 ; Vol. 20, No. 12. pp. 2742-2762.

Amanatidis, Stavros ; Ntziachristos, Leonidas ; Karjalainen, Panu ; Saukko, Erka ; Simonen, Pauli ; Kuittinen, Niina ; Aakko-Saksa, Päivi ; Timonen, Hilka ; Rönkkö, Topi ; Keskinen, Jorma. / **Comparative performance of a thermal denuder and a catalytic stripper in sampling laboratory and marine exhaust aerosols.** In: Aerosol Science and Technology. 2018 ; Vol. 52, No. 4. pp. 1-13.

Rostedt, A. ; Keskinen, J. / **Flow rate-independent electrical aerosol sensor.** In: Aerosol Science and Technology. 2018 ; Vol. 52, No. 11. pp. 1283-1292.

Afolaranmi, Samuel Olaiya ; Ramis Ferrer, Borja ; Martinez Lastra, Jose Luis. / **Technology review : prototyping platforms for monitoring ambient conditions.** In: International Journal of Environmental Health Research. 2018 ; Vol. 28, No. 3. pp. 253-279.

Niemelä, Niko P. ; Tolvanen, Henrik ; Saarinen, Teemu ; Leppänen, Aino ; Joronen, Tero. / **CFD based reactivity parameter determination for biomass particles of multiple size ranges in high heating rate devolatilization.** In: Energy. 2017 ; Vol. 128. pp. 676-687.

Dessi, Paolo ; Lakaniemi, Aino-Maija ; Lens, Piet N L. / **Biohydrogen production from xylose by fresh and digested activated sludge at 37, 55 and 70 °C.** In: Water Research. 2017 ; Vol. 115. pp. 120-129.

Ledezma, Pablo ; Jermakka, Johannes ; Keller, Jurg ; Freguia, Stefano. / **Recovering Nitrogen as a Solid without Chemical Dosing : Bio-Electroconcentration for Recovery of Nutrients from Urine.** In: Environmental Science and Technology Letters. 2017 ; Vol. 4, No. 3. pp. 119-124.

Järvinen, Anssi ; Karjalainen, Panu ; Bloss, Matthew ; Potila, Outi ; Simonen, Pauli ; Kuuluvainen, Heino ; Timonen, Hilka ; Saarikoski, Sanna ; Niemi, Jarkko V. ; Keskinen, Jorma ; Rönkkö, Topi. / **Chasing measurements for real-world emissions of city buses.** Paper presented at European Aerosol Conference 2017, Zürich, Switzerland.

Arffman, A. ; Juuti, P. ; Harra, J. ; Keskinen, J. / **Differential diffusion analyzer.** In: Aerosol Science and Technology. 2017 ; Vol. 51, No. 12. pp. 1429-1437.

Auvinen, Hannele ; Gagnon, Vincent ; Rousseau, Diederik P L ; du Laing, Gijs. / **Fate of metallic engineered nanomaterials in constructed wetlands : prospection and future research perspectives.** In: Reviews in Environmental Science and Bio-Technology. 2017 ; Vol. 16, No. 2. pp. 207-222.

Olin, M. ; Kausiala, O. ; Alanen, J. ; Rönkkö, T. ; Dal Maso, M. / **Finding H₂SO₄-H₂O nucleation rates in high H₂SO₄ concentrations.** Proceedings of the 20th International Conference on Nucleation and Atmospheric Aerosols. editor / Roope Halonen ; Anna Nikandrova ; Jenni Kontkanen ; Joonas A. Enroth ; Hanna Vehkamäki. Aerosol tutkimusseura r.y., Finnish Association for Aerosol Research c/o University of Helsinki, Department of Physics, 2017. pp. 476-479 (Report Series in Aerosol Science; 200).

Leivo, Virpi ; Prasauskas, Tadas ; Du, Liuliu ; Turunen, Mari ; Kiviste, Mihkel ; Aaltonen, Anu ; Martuzevicius, Dainius ; Haverinen-Shaughnessy, Ulla. / **Indoor thermal environment, air exchange rates, and carbon dioxide concentrations before and after energy retro fits in Finnish and Lithuanian multi-family buildings.** In: Science of the Total Environment. 2017 ; Vol. 621. pp. 398-406.

Karjalainen, Panu ; Saari, Sampo ; Kuuluvainen, Heino ; Kalliohaka, Tapio ; Taipale, Aimo ; Rönkkö, Topi. / **Performance of ventilation filtration technologies on characteristic traffic related aerosol down to nanocluster size.** In: Aerosol Science and Technology. 2017 ; Vol. 51, No. 12. pp. 1398-1408.

Dal Maso, Miikka ; Gao, Jian ; Järvinen, Anssi ; Li, Hui ; Luo, Datong ; Janka, Kauko ; Rönkkö, Topi. / **Improving urban air quality measurements by a diffusion charger based electrical particle sensors : A field study in Beijing, China.** In: Aerosol and Air Quality Research. 2016 ; Vol. 16, No. 12. pp. 3001-3011.

van Hullebusch, Eric D. ; Guibaud, Gilles ; Simon, Stéphane ; Lenz, Markus ; Yekta, Sepehr Shakeri ; Feroso, Fernando G. ; Jain, Rohan ; Duyster, Lars ; Roussel, Jimmy ; Guillon, Emmanuel ; Skyllberg, Ulf ; Almeida, C. Marisa R ; Pechaud, Yoan ; Garuti, Mirco ; Frunzo, Luigi ; Esposito, Giovanni ; Carliell-Marquet, Cynthia ; Ortner, Markus ; Collins, Gavin. / **Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems : An overview.** In: Critical Reviews in Environmental Science and Technology. 2016 ; Vol. 46, No. 16. pp. 1324-1366.

Juuti, Paxton ; Arffman, Anssi ; Rostedt, Antti ; Harra, Juha ; Mäkelä, Jyrki M. ; Keskinen, Jorma. / **Real-time effective density monitor (DENSMO) for aerosol nanoparticle production.** In: Aerosol Science and Technology. 2016 ; Vol. 50, No. 5. pp. 487-496.

Dessi, Paolo ; Jain, Rohan ; Singh, Satyendra ; Seder-Colomina, Marina ; van Hullebusch, Eric D. ; Rene, Eldon R. ; Ahammad, Shaikh Ziauddin ; Carucci, Alessandra ; Lens, Piet N L. / **Effect of temperature on selenium removal from wastewater by UASB reactors.** In: Water Research. 2016 ; Vol. 94. pp. 146-154.

Pihlava, Katri ; Keskinen, Jorma ; Yli-Ojanperä, Jaakko. / **Improving the signal-to-noise ratio of Faraday cup aerosol electrometer based aerosol instrument calibrations.** In: Aerosol Science and Technology. 2016 ; Vol. 50, No. 4. pp. 373-379.

Mensah-Attipoe, Jacob ; Saari, Sampo ; Veijalainen, Anna Maria ; Pasanen, Pertti ; Keskinen, Jorma ; Leskinen, Jari T T ; Reponen, Tiina. / **Release and characteristics of fungal fragments in various conditions.** In: Science of the Total Environment. 2016 ; Vol. 547. pp. 234-243.

Szabo, Hilda Marta ; Lepistö, Raghida ; Tuhkanen, Tuula. / **HPLC-SEC : a new approach to characterise complex wastewater effluents.** In: International Journal of Environmental Analytical Chemistry. 2016 ; Vol. 96, No. 3. pp. 257-270.

Saari, S. ; Järvinen, S. ; Reponen, T. ; Mensah-Attipoe, J. ; Pasanen, P. ; Toivonen, J. ; Keskinen, Jorma. / **Identification of single microbial particles using electro-dynamic balance assisted laser-induced breakdown and fluorescence spectroscopy.** In: Aerosol Science and Technology. 2016 ; Vol. 50, No. 2. pp. 126-132.

Kuuluvainen, Heino ; Saari, Sampo ; Mensah-Attipoe, Jacob ; Arffman, Anssi ; Pasanen, Pertti ; Reponen, Tiina ; Keskinen, Jorma. / **Triboelectric charging of fungal spores during resuspension and rebound**. In: Aerosol Science and Technology. 2016 ; Vol. 50, No. 2. pp. 187-197.

Seo, Jung Yoon ; Ramasamy, Praveenkumar ; Kim, Bohwa ; Seo, Jeong Cheol ; Park, Ji Yeon ; Na, Jeong Geol ; Jeon, Sang Goo ; Park, Seung Bin ; Lee, Kyubock ; Oh, You Kwan. / **Downstream integration of microalgae harvesting and cell disruption by means of cationic surfactant-decorated Fe₃O₄ nanoparticles**. In: Green Chemistry. 2016 ; Vol. 18, No. 14. pp. 3981-3989.

Espinosa-Ortiz, Erika J. ; Shakya, Manisha ; Jain, Rohan ; Rene, Eldon R. ; van Hullebusch, Eric D. ; Lens, Piet N. L. / **Sorption of zinc onto elemental selenium nanoparticles immobilized in Phanerochaete chrysosporium pellets**. In: Environmental Science and Pollution Research. 2016 ; Vol. 23, No. 21. pp. 21619–21630.

Kinnunen, V. ; Ylä-Outinen, A. ; Rintala, J. / **Mesophilic anaerobic digestion of pulp and paper industry biosludge-long-term reactor performance and effects of thermal pretreatment**. In: Water Research. 2015 ; Vol. 87. pp. 105-111.

Lay, Chyi-How ; Kokko, Marika E. ; Puhakka, Jaakko A. / **Power generation in fed-batch and continuous up-flow microbial fuel cell from synthetic wastewater**. In: Energy. 2015 ; Vol. 91. pp. 235-241.

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

Arffman, Anssi ; Kuuluvainen, Heino ; Harra, Juha ; Vuorinen, Ossi ; Juuti, Paxton ; Yli-Ojanperä, Jaakko ; Mäkelä, Jyrki ; Keskinen, Jorma. / **The critical velocity of rebound determined for sub-micron silver particles with a variable nozzle area impactor**. In: Journal of Aerosol Science. 2015 ; Vol. 86. pp. 32-43.

Karvountzis-Kontakiotis, Apostolos ; Ntziachristos, Leonidas ; Samaras, Zissis ; Dimaratos, Athanasios ; Peckham, Mark. / **Experimental Investigation of Cyclic Variability on Combustion and Emissions of a High-Speed SI Engine**. SAE 2015 World Congress and Exhibition. Vol. 2015-April April. ed. SAE International, 2015.

Olin, Miska Petteri ; Dal Maso, Miikka Ilmari. / **Modelling particle distribution using combined power-law and log-normal distribution model**. 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, 2015.

Ramasamy, Praveenkumar ; Lee, Kyubock ; Lee, Jiye ; Oh, You Kwan. / **Breaking dormancy : An energy-efficient means of recovering astaxanthin from microalgae**. In: Green Chemistry. 2015 ; Vol. 17, No. 2. pp. 1226-1234.

Saari, Sampo ; Niemi, Jarkko V. ; Rönkkö, Topi ; Kuuluvainen, Heino ; Järvinen, Anssi ; Pirjola, Liisa ; Aurela, Minna ; Hillamo, Risto ; Keskinen, Jorma. / **Seasonal and diurnal variations of fluorescent bioaerosol concentration and size distribution in the urban environment**. In: Aerosol and Air Quality Research. 2015 ; Vol. 15, No. 2. pp. 572-581.

Karavalakis, George ; Short, Daniel ; Chen, Vincent ; Espinoza, Carlos ; Berte, Tyler ; Durbin, Thomas ; Asa-Awuku, Akua ; Jung, Heejung ; Ntziachristos, Leonidas ; Amanatidis, Stavros ; Bergmann, Alexander. / **Evaluating Particulate Emissions from a Flexible Fuel Vehicle with Direct Injection when Operated on Ethanol and Iso-butanol Blends**. SAE 2014 International Powertrains, Fuels and Lubricants Meeting, FFL 2014. Vol. 2014-October SAE International, 2014.

Olin, Miska Petteri ; Arffman, Anssi Sakari ; Dal Maso, Miikka Ilmari ; Keskinen, Jorma Olavi ; Rönkkö, Topi Santeri. / **Simulation of the Formation Process of Diesel Exhaust Particle Emissions**. Physics Days 2014. Tampere, Finland : Finnish Physical Society, 2014.

Taylor, Jonathon ; Altamirano-Medina, Hector ; Shrubsole, Clive ; Das, Payel ; Biddulph, Phillip ; Davies, Michael ; Mavrogianni, Anna ; Oikonomou, Eleni. / **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.8 p.

Das, Payel ; Chalabi, Zaid ; Davies, Michael ; Hamilton, Ian ; Jones, Benjamin ; Mavrogianni, Anna ; Shrubsole, Clive ; Taylor, Jonathon. / **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.3 p.

Giechaskiel, Barouch ; Maricq, Matti ; Ntziachristos, Leonidas ; Dardiotis, Christos ; Wang, Xiaoliang ; Axmann, Harald ; Bergmann, Alexander ; Schindler, Wolfgang. / **Review of motor vehicle particulate emissions sampling and measurement : From smoke and filter mass to particle number.** In: Journal of Aerosol Science. 2014 ; Vol. 67. pp. 48-86.

Du, Liuliu ; Prasauskas, Tadas ; Leivo, Virpi ; Turunen, Mari ; Aaltonen, Anu ; Kiviste, Mihkel ; Martuzevicius, Dainius ; Haverinen-Shaughnessy, Ulla. / **Building energy-efficiency interventions in North-East Europe : Effects on indoor environmental quality and public health.** Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate , 2014. pp. 637-639

Reponen, Tiina ; Saari, Sampo ; Mensah-Attipoe, Jacob ; Ukkonen, Ari ; Veijalainen, Annamaria ; Pasanen, Pertti ; Keskinen, Jorma. / **Characterization of charge in airborne fungal spores.** Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate. International Society of Indoor Air Quality and Climate , 2014. pp. 359-361

Amanatidis, Stavros ; Ntziachristos, Leonidas ; Samaras, Zissis ; Kouridis, Chariton ; Janka, Kauko ; Tikkanen, Juha. / **Use of a PPS sensor in evaluating the impact of fuel efficiency improvement technologies on the particle emissions of a euro 5 diesel car.** SAE 2014 World Congress and Exhibition. Vol. 1 SAE International, 2014.

Caserini, Stefano ; Pastorello, Cinzia ; Gaifami, Pietro ; Ntziachristos, Leonidas. / **Impact of the dropping activity with vehicle age on air pollutant emissions.** In: Atmospheric Pollution Research. 2013 ; Vol. 4, No. 3. pp. 282-289.

Kumar, Muthukannan Satheesh ; Praveenkumar, Ramasamy ; Ilavarasi, Asokraja ; Rajeshwari, Kamaraj ; Thajuddin, Nooruddin. / **Biochemical changes of fresh water cyanobacteria dolichospermum flos-aquae NTMS07 to chromium-induced stress with special reference to antioxidant enzymes and cellular fatty acids.** In: Bulletin of Environmental Contamination and Toxicology. 2013 ; Vol. 90, No. 6. pp. 730-735.

Rasi, S. ; Seppälä, M. ; Rintala, J. / **Organic silicon compounds in biogases produced from grass silage, grass and maize in laboratory batch assays.** In: Energy. 2013 ; Vol. 52. pp. 137-142.

Ntziachristos, Leonidas ; Amanatidis, Stavros ; Samaras, Zissis ; Janka, Kauko ; Tikkanen, Juha. / **Application of the Pegasor Particle Sensor for the Measurement of Mass and Particle Number Emissions.** In: SAE International Journal of Fuels and Lubricants. 2013 ; Vol. 6, No. 2.

Ntziachristos, Leonidas ; Amanatidis, Stavros ; Samaras, Zissis ; Giechaskiel, Barouch ; Bergmann, Alexander. / **Use of a Catalytic Stripper as an Alternative to the Original PMP Measurement Protocol.** In: SAE International Journal of Fuels and Lubricants. 2013 ; Vol. 6, No. 2.

Amanatidis, Stavros ; Ntziachristos, Leonidas ; Giechaskiel, Barouch ; Katsaounis, Dimitrios ; Samaras, Zissis ; Bergmann, Alexander. / **Evaluation of an oxidation catalyst ("catalytic stripper") in eliminating volatile material from combustion aerosol.** In: Journal of Aerosol Science. 2013 ; Vol. 57. pp. 144-155.

Amanatidis, Stavros ; Ntziachristos, Leonidas ; Samaras, Zissis ; Janka, Kauko ; Tikkanen, Juha. / **Applicability of the Pegasor particle sensor to measure particle number, mass and PM emissions.** 11th International Conference on Engines and Vehicles, ICE 2013. Vol. 6 2013.

Ntziachristos, Leonidas ; Amanatidis, Stavros ; Samaras, Zissis ; Janka, Kauko ; Tikkanen, Juha. / **Application of the pegasor particle sensor for the measurement of mass and particle number emissions.** SAE 2013 World Congress and Exhibition. Vol. 2 SAE International, 2013.

Ntziachristos, Leonidas ; Amanatidis, Stavros ; Samaras, Zissis ; Giechaskiel, Barouch ; Bergmann, Alexander. / **Use of a catalytic stripper as an alternative to the original PMP measurement protocol**. SAE 2013 World Congress and Exhibition. Vol. 2 SAE International, 2013.

Bayr, Suvi ; Rintala, Jukka. / **Thermophilic anaerobic digestion of pulp and paper mill primary sludge and co-digestion of primary and secondary sludge**. In: Water Research. 2012 ; Vol. 46, No. 15. pp. 4713-4720.

Ntziachristos, Leonidas ; Fragkiadoulakis, Pavlos ; Samaras, Zissis ; Janka, Kauko ; Tikkanen, Juha. / **Exhaust particle sensor for OBD application**. SAE 2011 World Congress and Exhibition. 2011.

Sivula, Leena ; Ilander, Aki ; Väisänen, Ari ; Rintala, Jukka. / **Weathering of gasification and grate bottom ash in anaerobic conditions**. In: Journal of Hazardous Materials. 2010 ; Vol. 174, No. 1-3. pp. 344-351.

Dressen, Mark H C L ; Stumpel, Jelle E. ; Van De Kruijs, Bastiaan H P ; Meuldijk, Jan ; Vekemans, Jef A J M ; Hulshof, Lambertus A. / **The mechanism of the oxidation of benzyl alcohol by iron(III)nitrate : Conventional versus microwave heating**. In: Green Chemistry. 2009 ; Vol. 11, No. 1. pp. 60-64.

Sormunen, Kai ; Ettala, Matti ; Rintala, Jukka. / **Internal leachate quality in a municipal solid waste landfill : Vertical, horizontal and temporal variation and impacts of leachate recirculation**. In: Journal of Hazardous Materials. 2008 ; Vol. 160, No. 2-3. pp. 601-607.

Einola, J.-K. M. ; Sormunen, K. M. ; Rintala, J. A. / **Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste**. In: Science of the Total Environment. 2008 ; Vol. 407, No. 1. pp. 67-83.

Sormunen, Kai ; Ettala, Matti ; Rintala, Jukka. / **Detailed internal characterisation of two Finnish landfills by waste sampling**. In: Waste Management. 2008 ; Vol. 28, No. 1. pp. 151-163.

Rasi, S. ; Läntelä, J. ; Veijanen, A. ; Rintala, J. / **Landfill gas upgrading with countercurrent water wash**. In: Waste Management. 2008 ; Vol. 28, No. 9. pp. 1528-1534.

Einola, Juha Kalle M ; Karhu, A. Elina ; Rintala, Jukka A. / **Mechanically-biologically treated municipal solid waste as a support medium for microbial methane oxidation to mitigate landfill greenhouse emissions**. In: Waste Management. 2008 ; Vol. 28, No. 1. pp. 97-111.

Kettunen, Riitta H. ; Einola, Juha Kalle M ; Rintala, Jukka A. / **Landfill methane oxidation in engineered soil columns at low temperature**. In: Water Air and Soil Pollution. 2006 ; Vol. 177, No. 1-4. pp. 313-334.

Jokela, J. P Y ; Rintala, J. A. / **Anaerobic solubilisation of nitrogen from municipal solid waste (MSW)**. In: Reviews in Environmental Science and Bio-Technology. 2003 ; Vol. 2, No. 1. pp. 67-77.

Suvilampi, J. ; Rintala, J. / **Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality**. In: Reviews in Environmental Science and Bio-Technology. 2003 ; Vol. 2, No. 1. pp. 35-51.