

Toxicological evaluation of exhaust emissions from light-duty vehicles using different fuel alternatives in sub-freezing conditions

Hakkarainen, H., Aakko-Saksa, P., Sainio, M., Ihantola, T., Rönkkö, T. J., Koponen, P., Rönkkö, T. & Jalava, P. I., 27 May 2020, In : Particle and Fibre Toxicology. 17, 1, 17 p., 17.

Research output: Contribution to journal > Article > Scientific > peer-review

Pulmonary toxicity of Fe₂O₃, ZnFe₂O₄, NiFe₂O₄ and NiZnFe₄O₈ nanomaterials: Inflammation and DNA strand breaks

Hadrup, N., Saber, A. T., Kyjovska, Z. O., Jacobsen, N. R., Vippola, M., Sarlin, E., Ding, Y., Schmid, O., Wallin, H., Jensen, K. A. & Vogel, U., Feb 2020, In : ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY. 74, 11 p., 103303.

Research output: Contribution to journal > Article > Scientific > peer-review

Effect of tungsten and selenium on C₁ gas bioconversion by an enriched anaerobic sludge and microbial community analysis

Chakraborty, S., Rene, E. R., Lens, P. N. L., Rintala, J., Veiga, M. C. & Kennes, C., 2020, In : Chemosphere. 250, 9 p., 126105.

Research output: Contribution to journal > Article > Scientific > peer-review

Particulate emissions of a modern diesel passenger car under laboratory and real-world transient driving conditions

Wihersaari, H., Pirjola, L., Karjalainen, P., Saukko, E., Kuuluvainen, H., Kulmala, K., Keskinen, J. & Rönkkö, T., 2020, In : Environmental Pollution. 265, Part B, 10 p., 114948.

Research output: Contribution to journal > Article > Scientific > peer-review

Associations between indoor environmental quality in schools and symptom reporting in pupil-administered questionnaires

Savelieva, K., Marttila, T., Lampi, J., Ung-Lanki, S., Elovainio, M. & Pekkanen, J., 27 Dec 2019, In : Environmental Health: A Global Access Science Source. 18, 1, 115.

Research output: Contribution to journal > Article > Scientific > peer-review

Characterization of laboratory and real driving emissions of individual Euro 6 light-duty vehicles – Fresh particles and secondary aerosol formation

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., 1 Dec 2019, In : Environmental Pollution. 255, 113175.

Research output: Contribution to journal > Article > Scientific > peer-review

Particle emissions of Euro VI, EEV and retrofitted EEV city buses in real traffic

Järvinen, A., Timonen, H., Karjalainen, P., Bloss, M., Simonen, P., Saarikoski, S., Kuuluvainen, H., Kalliokoski, J., Dal Maso, M., Niemi, J. V., Keskinen, J. & Rönkkö, T., 1 Jul 2019, In : Environmental Pollution. 250, p. 708-716 9 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Airport emission particles: Exposure characterization and toxicity following intratracheal instillation in mice

Bendtsen, K. M., Brostrøm, A., Koivisto, A. J., Koponen, I., Berthing, T., Bertram, N., Kling, K. I., Dal Maso, M., Kangasniemi, O., Poikkimäki, M., Loeschner, K., Clausen, P. A., Wolff, H., Jensen, K. A., Saber, A. T. & Vogel, U., 11 Jun 2019, In : Particle and Fibre Toxicology. 16, 1, 23.

Research output: Contribution to journal > Article > Scientific > peer-review

Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0

Tan, L. C., Nancharajah, Y. V., Lu, S., van Hullebusch, E. D., Gerlach, R. & Lens, P. N. L., 1 Nov 2018, In : Chemosphere. 211, p. 684-693 10 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Vertical profiles of lung deposited surface area concentration of particulate matter measured with a drone in a street canyon

Kuuluvainen, H., Poikkimäki, M., Järvinen, A., Kuula, J., Irjala, M., Dal Maso, M., Keskinen, J., Timonen, H., Niemi, J. V. & Rönkkö, T., 1 Oct 2018, In : Environmental Pollution. 241, p. 96-105 10 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Quantitative characterization of pore structure of several biochars with 3D imaging

Hyväluoma, J., Kulju, S., Hannula, M., Wikberg, H., Källi, A. & Rasa, K., Sep 2018, In : Environmental Science and Pollution Research. 25, 26, p. 1-11 11 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Technology review: prototyping platforms for monitoring ambient conditions

Afolaranmi, S. O., Ramis Ferrer, B. & Martinez Lastra, J. L., 2018, In : International Journal of Environmental Health Research. 28, 3, p. 253-279 27 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Recovering Nitrogen as a Solid without Chemical Dosing: Bio-Electroconcentration for Recovery of Nutrients from Urine

Ledezma, P., Jermakka, J., Keller, J. & Freguia, S., 14 Mar 2017, In : Environmental Science and Technology Letters. 4, 3, p. 119-124 6 p.

Research output: Contribution to journal > Article > Scientific > peer-review

The possibility of decreasing 50-HZ electric field exposure near 400-kV power lines with arc flash personal protective equipment

Korpinen, L., Pirkkalainen, H., Heiskanen, T. & Pääkkönen, R., 1 Oct 2016, In : International Journal of Environmental Research and Public Health. 13, 10, 942.

Research output: Contribution to journal > Article > Scientific > peer-review

Effect of particle size and dispersion status on cytotoxicity and genotoxicity of zinc oxide in human bronchial epithelial cells

Roszak, J., Catalán, J., Järventaus, H., Lindberg, H. K., Suhonen, S., Vippola, M., Stepnik, M. & Norppa, H., 1 Jul 2016, In : Mutation Research: Genetic Toxicology and Environmental Mutagenesis. 805, p. 7-18 12 p.

Research output: Contribution to journal > Article > Scientific > peer-review

HPLC-SEC: a new approach to characterise complex wastewater effluents

Szabo, H. M., Lepistö, R. & Tuhkanen, T., 19 Feb 2016, In : International Journal of Environmental Analytical Chemistry. 96, 3, p. 257-270 14 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Possible influences of spark discharges on cardiac pacemakers

Korpinen, L., Kuisti, H., Tarao, H., Virtanen, V., Paakkönen, R., Dovan, T. & Kavet, R., 2016, In : Health Physics. 110, 1, p. 1-10 10 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Sorption of zinc onto elemental selenium nanoparticles immobilized in Phanerochaete chrysosporium pellets

Espinosa-Ortiz, E. J., Shakya, M., Jain, R., Rene, E. R., van Hullebusch, E. D. & Lens, P. N. L., 2016, In : Environmental Science and Pollution Research. 23, 21, p. 21619-21630 12 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Scanner abdominal: Étude comparative de l'exposition patient en routine clinique sur des appareils avec et sans reconstruction itérative

Gomes, M., Leroy, C., Lemaire, S., Marmin, C., Mordon, S. & Ernst, O., 2014, In : Radioprotection. 49, 1, p. 35-41 7 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Biochemical changes of fresh water cyanobacteria dolichospermum flos-aquae NTMS07 to chromium-induced stress with special reference to antioxidant enzymes and cellular fatty acids

Kumar, M. S., Praveenkumar, R., Ilavarasi, A., Rajeshwari, K. & Thajuddin, N., Jun 2013, In : Bulletin of Environmental Contamination and Toxicology. 90, 6, p. 730-735 6 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Validation of exposure assessment and assessment of recruitment methods for a prospective cohort study of mobile phone users (COSMOS) in Finland: A pilot study

Heinävaara, S., Tokola, K., Kurttio, P. & Auvinen, A., 2011, In : Environmental Health: A Global Access Science Source. 10, 1, 14.

Research output: Contribution to journal > Article > Scientific > peer-review

Weathering of gasification and grate bottom ash in anaerobic conditions

Sivula, L., Ilander, A., Väisänen, A. & Rintala, J., 15 Feb 2010, In : Journal of Hazardous Materials. 174, 1-3, p. 344-351 8 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Internal leachate quality in a municipal solid waste landfill: Vertical, horizontal and temporal variation and impacts of leachate recirculation

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Research output: Contribution to journal > Article > Scientific > peer-review

Mutation spectra in Salmonella of analogues of MX: Implications of chemical structure for mutational mechanisms

Demarini, D. M., Landi, S., Ohe, T., Shaughnessy, D. T., Franzén, R. & Richard, A. M., 20 Sep 2000, In : Mutation Research: Fundamental and Molecular Mechanisms of Mutagenesis. 453, 1, p. 51-65 15 p.

Research output: Contribution to journal > Article > Scientific > peer-review

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

Shaughnessy, D. T., Ohe, T., Landi, S., Warren, S. H., Richard, A. M., Munter, T., Franzén, R., Kronberg, L. & DeMarini, D. M., 2000, In : Environmental and Molecular Mutagenesis. 35, 2, p. 106-113 8 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Genotoxic activity of chlorinated butenoic acids in Salmonella typhimurium strains TA98, TA100 and TA104

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Research output: Contribution to journal > Article > Scientific > peer-review

Investigation of the adducts formed by reaction of butenedioic acids with adenosine

Franzén, R., Morita, M., Tanabe, K., Takagi, H. & Shibata, Y., Oct 1997, In : Chemical Research in Toxicology. 10, 10, p. 1186-1191 6 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Mutational spectra of Salmonella typhimurium revertants induced by chlorohydroxyfuranones, byproducts of chlorine disinfection of drinking water

Knasmüller, S., Zöhrer, E., Kronberg, L., Kundi, M., Franzen, R. & Schulte-Hermann, R., 1996, In : Chemical Research in Toxicology. 9, 2, p. 374-381 8 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, in E. coli K-12 cells recovered from various organs of mice

Fekadu, K., Parzefall, W., Kronberg, L., Franzen, R., Schulte-Hermann, R. & Knasmüller, S., 1994, In : Environmental and Molecular Mutagenesis. 24, 4, p. 317-324 8 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Low-dose ionising radiation and cardiovascular diseases - Strategies for molecular epidemiological studies in Europe

Kreuzer, M., Auvinen, A., Cardis, E., Hall, J., Jourdain, J. R., Laurier, D., Little, M. P., Peters, A., Raj, K., Russell, N. S., Tapio, S., Zhang, W. & Gomolka, M., 1 Apr 2015, In : MUTATION RESEARCH: REVIEWS IN MUTATION RESEARCH. 764, p. 90-100 11 p.

Research output: Contribution to journal > Review Article > Scientific > peer-review

Building energy-efficiency interventions in North-East Europe: Effects on indoor environmental quality and public health

Du, L., Prasauskas, T., Leivo, V., Turunen, M., Aaltonen, A., Kiviste, M., Martuzevicius, D. & Haverinen-Shaughnessy, U., 2014, *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate, p. 637-639 3 p.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Characterization of charge in airborne fungal spores

Reponen, T., Saari, S., Mensah-Attipoe, J., Ukkonen, A., Veijalainen, A., Pasanen, P. & Keskinen, J., 2014, *Indoor Air 2014 - 13th International Conference on Indoor Air Quality and Climate*. International Society of Indoor Air Quality and Climate , p. 359-361 3 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Airport emission particles: Exposure characterization and toxicity following intratracheal instillation in mice

Bendtsen, K. M., Brostrøm, A., Koivisto, A. J., Koponen, I., Berthing, T., Bertram, N., Kling, K. I., Dal Maso, M., Kangasniemi, O., Poikkimäki, M., Loeschner, K., Clausen, P. A., Wolff, H., Jensen, K. A., Saber, A. T. & Vogel, U., 6 Nov 2019.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Tuberculosis transmission: Modelled impact of air-tightness in dwellings in the UK

Taylor, J., Altamirano-Medina, H., Shrubsole, C., Das, P., Biddulph, P., Davies, M., Mavrogianni, A. & Oikonomou, E., 1 Jan 2014, p. 60-67. 8 p.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling

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Research output: Other conference contribution › Paper, poster or abstract › Scientific