

**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 Fe<sub>2</sub>O<sub>3</sub>, ZnFe<sub>2</sub>O<sub>4</sub>, NiFe<sub>2</sub>O<sub>4</sub> and NiZnFe<sub>4</sub>O<sub>8</sub> 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 C<sub>1</sub> 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**

Translated title of the contribution: : Abdominal CT scan: A comparative study of patient exposure in clinical routine on devices with and without iterative reconstruction

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**

Sormunen, K., Ettala, M. & Rintala, J., 30 Dec 2008, In : *Journal of Hazardous Materials*. 160, 2-3, p. 601-607 7 p.

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**

Franzén, R., Goto, S., Tanabe, K. & Morita, M., 1 Sep 1998, In : *Mutation Research: Genetic Toxicology and Environmental Mutagenesis*. 417, 1, p. 31-37 7 p.

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. 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**

Das, P., Chalabi, Z., Davies, M., Hamilton, I., Jones, B., Mavrogianni, A., Shrubsole, C. & Taylor, J., 1 Jan 2014, p. 553-555. 3 p.

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