Markus SillanpÃ¤Ã¤

List of Publications by Year
in descending order

34 papers	3,534 citations	172386 29 h-index	377752 34 g-index
34 all docs	34 docs citations	34 times ranked	5259 citing authors

#	Article	IF	Citations
1	Occurrence, identification and removal of microplastic particles and fibers in conventional activated sludge process and advanced MBR technology. Water Research, 2018, 133, 236-246.	5.3	781
2	Nanoparticles in electrochemical sensors for environmental monitoring. TrAC - Trends in Analytical Chemistry, 2011, 30, 1704-1715.	5.8	231
3	Heterogeneities in Inflammatory and Cytotoxic Responses of RAW 264.7 Macrophage Cell Line to Urban Air Coarse, Fine, and Ultrafine Particles From Six European Sampling Campaigns. Inhalation Toxicology, 2007, 19, 213-225.	0.8	209
4	Chemical composition and mass closure of particulate matter at six urban sites in Europe. Atmospheric Environment, 2006, 40, 212-223.	1.9	203
5	Chemical composition of aerosols during a major biomass burning episode over northern Europe in spring 2006: Experimental and modelling assessments. Atmospheric Environment, 2007, 41, 3577-3589.	1.9	195
6	Release of polyester and cotton fibers from textiles in machine washings. Environmental Science and Pollution Research, 2017, 24, 19313-19321.	2.7	170
7	Nanoadsorbents for Remediation of Aquatic Environment: Local and Practical Solutions for Global Water Pollution Problems. Critical Reviews in Environmental Science and Technology, 2012, 42, 1233-1295.	6.6	135
8	Effects of solubility of urban air fine and coarse particles on cytotoxic and inflammatory responses in RAW 264.7 macrophage cell line. Toxicology and Applied Pharmacology, 2008, 229, 146-160.	1.3	114
9	In vitro inflammatory and cytotoxic effects of size-segregated particulate samples collected during long-range transport of wildfire smoke to Helsinki. Toxicology and Applied Pharmacology, 2006, 215, 341-353.	1.3	110
10	Polycyclic aromatic hydrocarbons in size-segregated particulate matter from six urban sites in Europe. Atmospheric Environment, 2008, 42, 9087-9097.	1.9	97
11	Intercomparison study on commonly used methods to determine microplastics in wastewater and sludge samples. Environmental Science and Pollution Research, 2019, 26, 12109-12122.	2.7	97
12	Inflammation and tissue damage in mouse lung by single and repeated dosing of urban air coarse and fine particles collected from six European cities. Inhalation Toxicology, 2010, 22, 402-416.	0.8	87
13	Chemical composition, mass size distribution and source analysis of long-range transported wildfire smokes in Helsinki. Science of the Total Environment, 2005, 350, 119-135.	3.9	82
14	Particle Induced Toxicity in Relation to Transition Metal and Polycyclic Aromatic Hydrocarbon Contents. Environmental Science & Technology, 2009, 43, 4729-4736.	4.6	81
15	Associations of urban air particulate composition with inflammatory and cytotoxic responses in RAW 246.7 cell line. Inhalation Toxicology, 2009, 21, 994-1006.	0.8	79
16	Dose and Time Dependency of Inflammatory Responses in the Mouse Lung to Urban Air Coarse, Fine, and Ultrafine Particles From Six European Cities. Inhalation Toxicology, 2007, 19, 227-246.	0.8	75
17	Chemical Compositions Responsible for Inflammation and Tissue Damage in the Mouse Lung by Coarse and Fine Particulate Samples from Contrasting Air Pollution in Europe. Inhalation Toxicology, 2008, 20, 1215-1231.	0.8	73
18	Effect-based assessment of toxicity removal during wastewater treatment. Water Research, 2017, 126, 153-163.	5.3	71

#	Article	IF	Citations
19	Characterization and source identification of a fine particle episode in Finland. Atmospheric Environment, 2004, 38, 5003-5012.	1.9	65
20	Size-Segregated Inorganic and Organic Components of PM in the Communities of the Los Angeles Harbor. Aerosol Science and Technology, 2009, 43, 145-160.	1.5	62
21	Estrogenic activity in Finnish municipal wastewater effluents. Water Research, 2016, 88, 740-749.	5.3	62
22	Quantification of different microplastic fibres discharged from textiles in machine wash and tumble drying. Environmental Science and Pollution Research, 2021, 28, 16253-16263.	2.7	58
23	Behavior of titanium dioxide nanoparticles in Lemna minor growth test conditions. Ecotoxicology and Environmental Safety, 2013, 88, 89-94.	2.9	51
24	Chemical and microbial components of urban air PM cause seasonal variation of toxicological activity. Environmental Toxicology and Pharmacology, 2015, 40, 375-387.	2.0	48
25	Development of particle number size distribution near a major road in Helsinki during an episodic inversion situation. Atmospheric Environment, 2007, 41, 1759-1767.	1.9	47
26	Influences of water properties on the aggregation and deposition ofÂengineered titanium dioxide nanoparticles in natural waters. Environmental Pollution, 2016, 219, 132-138.	3.7	44
27	Field and laboratory tests of a high volume cascade impactor. Journal of Aerosol Science, 2003, 34, 485-500.	1.8	42
28	High collection efficiency electrostatic precipitator for in vitro cell exposure to concentrated ambient particulate matter (PM). Journal of Aerosol Science, 2008, 39, 335-347.	1.8	38
29	A Chemical and Toxicological Comparison of Urban Air PM10 Collected During Winter and Spring in Finland. Inhalation Toxicology, 2000, 12, 95-103.	0.8	29
30	Aggregation and deposition of engineered TiO₂nanoparticles in natural fresh and brackish waters. Journal of Physics: Conference Series, 2011, 304, 012018.	0.3	29
31	Influence of titanium dioxide nanoparticles on cadmium and lead bioaccumulations and toxicities to Daphnia magna. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	28
32	Liquid chromatographyâ€“mass spectrometry for C60 fullerene analysis: optimisation and comparison of three ionisation techniques. Analytical and Bioanalytical Chemistry, 2012, 403, 1931-1938.	1.9	18
33	Field evaluation of a new particle concentrator- electrostatic precipitator system for measuring chemical and toxicological properties of particulate matter. Particle and Fibre Toxicology, 2008, 5, 15.	2.8	17
34	On the limit of superhydrophobicity: defining the minimum amount of TiO₂ nanoparticle coating. Materials Research Express, 2019, 6, 035004.	0.8	6