

# Markus Sillanpää

## List of Publications by Year in descending order

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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	Quantification of different microplastic fibres discharged from textiles in machine wash and tumble drying. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16253-16263.	2.7	58
2	Intercomparison study on commonly used methods to determine microplastics in wastewater and sludge samples. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12109-12122.	2.7	97
3	On the limit of superhydrophobicity: defining the minimum amount of TiO <sub>2</sub> nanoparticle coating. <i>Materials Research Express</i> , 2019, 6, 035004.	0.8	6
4	Occurrence, identification and removal of microplastic particles and fibers in conventional activated sludge process and advanced MBR technology. <i>Water Research</i> , 2018, 133, 236-246.	5.3	781
5	Effect-based assessment of toxicity removal during wastewater treatment. <i>Water Research</i> , 2017, 126, 153-163.	5.3	71
6	Influence of titanium dioxide nanoparticles on cadmium and lead bioaccumulations and toxicities to <i>Daphnia magna</i> . <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	28
7	Release of polyester and cotton fibers from textiles in machine washings. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19313-19321.	2.7	170
8	Influences of water properties on the aggregation and deposition of engineered titanium dioxide nanoparticles in natural waters. <i>Environmental Pollution</i> , 2016, 219, 132-138.	3.7	44
9	Estrogenic activity in Finnish municipal wastewater effluents. <i>Water Research</i> , 2016, 88, 740-749.	5.3	62
10	Chemical and microbial components of urban air PM cause seasonal variation of toxicological activity. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 375-387.	2.0	48
11	Behavior of titanium dioxide nanoparticles in <i>Lemna minor</i> growth test conditions. <i>Ecotoxicology and Environmental Safety</i> , 2013, 88, 89-94.	2.9	51
12	Nanoadsorbents for Remediation of Aquatic Environment: Local and Practical Solutions for Global Water Pollution Problems. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 1233-1295.	6.6	135
13	Liquid chromatography-mass spectrometry for C60 fullerene analysis: optimisation and comparison of three ionisation techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1931-1938.	1.9	18
14	Nanoparticles in electrochemical sensors for environmental monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1704-1715.	5.8	231
15	Aggregation and deposition of engineered TiO <sub>2</sub> nanoparticles in natural fresh and brackish waters. <i>Journal of Physics: Conference Series</i> , 2011, 304, 012018.	0.3	29
16	Inflammation and tissue damage in mouse lung by single and repeated dosing of urban air coarse and fine particles collected from six European cities. <i>Inhalation Toxicology</i> , 2010, 22, 402-416.	0.8	87
17	Associations of urban air particulate composition with inflammatory and cytotoxic responses in RAW 246.7 cell line. <i>Inhalation Toxicology</i> , 2009, 21, 994-1006.	0.8	79
18	Size-Segregated Inorganic and Organic Components of PM in the Communities of the Los Angeles Harbor. <i>Aerosol Science and Technology</i> , 2009, 43, 145-160.	1.5	62

#	ARTICLE	IF	CITATIONS
19	Particle Induced Toxicity in Relation to Transition Metal and Polycyclic Aromatic Hydrocarbon Contents. <i>Environmental Science &amp; Technology</i> , 2009, 43, 4729-4736.	4.6	81
20	Field evaluation of a new particle concentrator- electrostatic precipitator system for measuring chemical and toxicological properties of particulate matter. <i>Particle and Fibre Toxicology</i> , 2008, 5, 15.	2.8	17
21	Polycyclic aromatic hydrocarbons in size-segregated particulate matter from six urban sites in Europe. <i>Atmospheric Environment</i> , 2008, 42, 9087-9097.	1.9	97
22	Effects of solubility of urban air fine and coarse particles on cytotoxic and inflammatory responses in RAW 264.7 macrophage cell line. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 146-160.	1.3	114
23	High collection efficiency electrostatic precipitator for in vitro cell exposure to concentrated ambient particulate matter (PM). <i>Journal of Aerosol Science</i> , 2008, 39, 335-347.	1.8	38
24	Chemical Compositions Responsible for Inflammation and Tissue Damage in the Mouse Lung by Coarse and Fine Particulate Samples from Contrasting Air Pollution in Europe. <i>Inhalation Toxicology</i> , 2008, 20, 1215-1231.	0.8	73
25	Dose and Time Dependency of Inflammatory Responses in the Mouse Lung to Urban Air Coarse, Fine, and Ultrafine Particles From Six European Cities. <i>Inhalation Toxicology</i> , 2007, 19, 227-246.	0.8	75
26	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. <i>Inhalation Toxicology</i> , 2007, 19, 213-225.	0.8	209
27	Development of particle number size distribution near a major road in Helsinki during an episodic inversion situation. <i>Atmospheric Environment</i> , 2007, 41, 1759-1767.	1.9	47
28	Chemical composition of aerosols during a major biomass burning episode over northern Europe in spring 2006: Experimental and modelling assessments. <i>Atmospheric Environment</i> , 2007, 41, 3577-3589.	1.9	195
29	Chemical composition and mass closure of particulate matter at six urban sites in Europe. <i>Atmospheric Environment</i> , 2006, 40, 212-223.	1.9	203
30	In vitro inflammatory and cytotoxic effects of size-segregated particulate samples collected during long-range transport of wildfire smoke to Helsinki. <i>Toxicology and Applied Pharmacology</i> , 2006, 215, 341-353.	1.3	110
31	Chemical composition, mass size distribution and source analysis of long-range transported wildfire smokes in Helsinki. <i>Science of the Total Environment</i> , 2005, 350, 119-135.	3.9	82
32	Characterization and source identification of a fine particle episode in Finland. <i>Atmospheric Environment</i> , 2004, 38, 5003-5012.	1.9	65
33	Field and laboratory tests of a high volume cascade impactor. <i>Journal of Aerosol Science</i> , 2003, 34, 485-500.	1.8	42
34	A Chemical and Toxicological Comparison of Urban Air PM10 Collected During Winter and Spring in Finland. <i>Inhalation Toxicology</i> , 2000, 12, 95-103.	0.8	29