Marianne Geiser

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Ultrafine Particles Cross Cellular Membranes by Nonphagocytic Mechanisms in Lungs and in Cultured Cells. Environmental Health Perspectives, 2005, 113, 1555-1560.	2.8	1,155
2	Deposition and biokinetics of inhaled nanoparticles. Particle and Fibre Toxicology, 2010, 7, 2.	2.8	534
3	Sources of particulate-matter air pollution and its oxidative potential in Europe. Nature, 2020, 587, 414-419.	13.7	352
4	In vivo integrity of polymer-coated gold nanoparticles. Nature Nanotechnology, 2015, 10, 619-623.	15.6	314
5	Update on Macrophage Clearance of Inhaled Micro- and Nanoparticles. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2010, 23, 207-217.	0.7	273
6	Neuropathology of ablation of rat gliosarcomas and contiguous brain tissues using a microplanar beam of synchrotron-wiggler-generated X rays. International Journal of Cancer, 1998, 78, 654-660.	2.3	246
7	The Role of Macrophages in the Clearance of Inhaled Ultrafine Titanium Dioxide Particles. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 371-376.	1.4	205
8	Influence of surface chemistry and topography of particles on their immersion into the lung's surface-lining layer. Journal of Applied Physiology, 2003, 94, 1793-1801.	1.2	134
9	Assessment of particle retention and clearance in the intrapulmonary conducting airways of hamster lungs with the fractionator¹. Journal of Microscopy, 1990, 160, 75-88.	0.8	90
10	Morphological aspects of particle uptake by lung phagocytes. Microscopy Research and Technique, 2002, 57, 512-522.	1.2	88
11	A Novel Exposure System for the Efficient and Controlled Deposition of Aerosol Particles onto Cell Cultures. Environmental Science & Technology, 2008, 42, 5667-5674.	4.6	83
12	Cellular uptake and localization of inhaled gold nanoparticles in lungs of mice with chronic obstructive pulmonary disease. Particle and Fibre Toxicology, 2013, 10, 19.	2.8	74
13	Toxicity of aged gasoline exhaust particles to normal and diseased airway epithelia. Scientific Reports, 2015, 5, 11801.	1.6	71
14	Electron energy loss spectroscopy for analysis of inhaled ultrafine particles in rat lungs. Microscopy Research and Technique, 2004, 63, 298-305.	1.2	68
15	Surfactant and inhaled particles in the conducting airways: Structural, stereological, and biophysical aspects. Microscopy Research and Technique, 1993, 26, 423-436.	1.2	50
16	Evaluating Adverse Effects of Inhaled Nanoparticles by Realistic In Vitro Technology. Nanomaterials, 2017, 7, 49.	1.9	49
17	Nano Aerosol Chamber forIn-VitroToxicity (NACIVT) studies. Nanotoxicology, 2015, 9, 34-42.	1.6	42
18	Non-volatile particle emissions from aircraft turbine engines at ground-idle induce oxidative stress in bronchial cells. Communications Biology, 2019, 2, 90.	2.0	41

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19	Responses of lung cells to realistic exposure of primary and aged carbonaceous aerosols. Atmospheric Environment, 2013, 68, 143-150.	1.9	40
20	Acute toxicity of silver and carbon nanoaerosols to normal and cystic fibrosis human bronchial epithelial cells. Nanotoxicology, 2016, 10, 279-291.	1.6	38
21	Interaction of fungal spores with the lungs: Distribution and retention of inhaled puffball (Calvatia) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	36
22	Biokinetics of nanoparticles and susceptibility to particulate exposure in a murine model of cystic fibrosis. Particle and Fibre Toxicology, 2014, 11, 19.	2.8	33
23	Predominance of secondary organic aerosol to particle-bound reactive oxygen species activity in fine ambient aerosol. Atmospheric Chemistry and Physics, 2019, 19, 14703-14720.	1.9	31
24	Air pollution causing oxidative stress. Current Opinion in Toxicology, 2020, 20-21, 1-8.	2.6	31
25	Techniques for the Determination of Particle Deposition in Lungs of Hamsters. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 1989, 2, 247-259.	1.2	28
26	Generation and characterization of stable, highly concentrated titanium dioxide nanoparticle aerosols for rodent inhalation studies. Journal of Nanoparticle Research, 2011, 13, 511-524.	0.8	26
27	Influence of airspace geometry and surfactant on the retention of man-made vitreous fibers (MMVF) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	23
28	Oxidative stress-induced inflammation in susceptible airways by anthropogenic aerosol. PLoS ONE, 2020, 15, e0233425.	1.1	19
29	Ultrastructure of the aqueous lining layer in hamster airways: Is there a two-phase system?. , 1997, 36, 428-437.		18
30	Surfactantâ€"ultrafine particle interactions: what we can learn from PM 10 studies. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 2707-2718.	1.6	18
31	A Compact and Portable Deposition Chamber to Study Nanoparticles in Air-Exposed Tissue. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2013, 26, 228-235.	0.7	17
32	Gold nanoparticle aerosols for rodent inhalation and translocation studies. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	14
33	Nanoparticle uptake by airway phagocytes after fungal spore challenge in murine allergic asthma and chronic bronchitis. BMC Pulmonary Medicine, 2014, 14, 116.	0.8	14
34	Wood combustion particles induce adverse effects to normal and diseased airway epithelia. Environmental Sciences: Processes and Impacts, 2017, 19, 538-548.	1.7	14
35	Surface-lining layer of airways in cystic fibrosis mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L1277-L1285.	1.3	11
36	Cellular Responses to Exposure to Outdoor Air from the Chinese Spring Festival at the Airâ€"Liquid Interface. Environmental Science & Technology, 2019, 53, 9128-9138.	4.6	9

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37	Paradoxical effects of bleomycin and heavy water (D2O) in mice. International Journal of Cancer, 1995, 62, 784-790.	2.3	8
38	Comparing the lung cancer burden of ambient particulate matter using scenarios of air quality standards versus acceptable risk levels. International Journal of Public Health, 2020, 65, 139-148.	1.0	8
39	Novel instrument to generate representative e-cigarette vapors for physicochemical particle characterization and in-vitro toxicity. Journal of Aerosol Science, 2019, 129, 40-52.	1.8	7
40	Responses of reconstituted human bronchial epithelia from normal and health-compromised donors to non-volatile particulate matter emissions from an aircraft turbofan engine. Environmental Pollution, 2022, 307, 119521.	3.7	5
41	SURFACTANTâ€“ULTRAFINE PARTICLE INTERACTIONS: WHAT WE CAN LEARN FROM PM₁₀ STUDIES. , 2003, , 187-202.		1
42	Neuropathology of ablation of rat gliosarcomas and contiguous brain tissues using a microplanar beam of synchrotron-wiggler-generated X rays. , 1998, 78, 654.		1
43	High pressure freezing of the epithelium and the extracellular lining layer in hamster airways. Biology of the Cell, 1995, 84, 227-227.	0.7	0
44	The Particulate Air Pollution Controversy: A Case Study and Lessons LearnedThe Particulate Air Pollution Controversy: A Case Study and Lessons Learned Edited by Robert F. Phalen . Kluwer Academic Publishers, Boston, 2002, 144 pgs. EUR 63.00/USD 70.00/GBP 43.00.. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2004, 17, 286-286.	1.2	0
45	In vitro replica of the inner surface of the lungs for the study of particle-cell interaction. ALTEX: Alternatives To Animal Experimentation, 2007, 24 Spec No, 83-5.	0.9	0