Peter H M Hoet

List of Publications by Citations

223 papers	13,752 citations	57 h-index	112 g-index
252 ext. papers	15,194 ext. citations	6.5 avg, IF	6.18 L-index

#	Paper	IF	Citations
223	Passage of inhaled particles into the blood circulation in humans. *Circulation*, **2002**, 105, 411-4	16.7	1145
222	Nanoparticles - known and unknown health risks. *Journal of Nanobiotechnology*, **2004**, 2, 12	9.4	930
221	Loss of HIF-2alpha and inhibition of VEGF impair fetal lung maturation, whereas treatment with VEGF prevents fatal respiratory distress in premature mice. *Nature Medicine*, **2002**, 8, 702-10	50.5	600
220	The nanosilica hazard: another variable entity. *Particle and Fibre Toxicology*, **2010**, 7, 39	8.4	526
219	Passage of intratracheally instilled ultrafine particles from the lung into the systemic circulation in hamster. *American Journal of Respiratory and Critical Care Medicine*, **2001**, 164, 1665-8	10.2	482
218	Size-dependent cytotoxicity of monodisperse silica nanoparticles in human endothelial cells. *Small*, **2009**, 5, 846-53	11	474
217	Comparative toxicity of 24 manufactured nanoparticles in human alveolar epithelial and macrophage cell lines. *Particle and Fibre Toxicology*, **2009**, 6, 14	8.4	343
216	How much do resin-based dental materials release? A meta-analytical approach. *Dental Materials*, **2011**, 27, 723-47	5.7	267
215	Ultrafine particles affect experimental thrombosis in an in vivo hamster model. *American Journal of Respiratory and Critical Care Medicine*, **2002**, 166, 998-1004	10.2	263
214	Clastogenic and aneugenic effects of multi-wall carbon nanotubes in epithelial cells. *Carcinogenesis*, **2008**, 29, 427-33	4.6	247
213	Toxicology of silica nanoparticles: an update. *Archives of Toxicology*, **2017**, 91, 2967-3010	5.8	246
212	Induction of oxidative stress and antioxidative mechanisms in Phaseolus vulgaris after Cd application. *Plant Physiology and Biochemistry*, **2005**, 43, 437-44	5.4	232
211	Noninvasive and invasive pulmonary function in mouse models of obstructive and restrictive respiratory diseases. *American Journal of Respiratory Cell and Molecular Biology*, **2010**, 42, 96-104	5.7	229
210	Possible mechanisms of the cardiovascular effects of inhaled particles: systemic translocation and prothrombotic effects. *Toxicology Letters*, **2004**, 149, 243-53	4.4	229
209	Diesel exhaust particles in lung acutely enhance experimental peripheral thrombosis. *Circulation*, **2003**, 107, 1202-8	16.7	229
208	Acute toxicity and prothrombotic effects of quantum dots: impact of surface charge. *Environmental Health Perspectives*, **2008**, 116, 1607-13	8.4	215
207	Nanomaterials Versus Ambient Ultrafine Particles: An Opportunity to Exchange Toxicology Knowledge. *Environmental Health Perspectives*, **2017**, 125, 106002	8.4	210

206	Size effect of intratracheally instilled particles on pulmonary inflammation and vascular thrombosis. *Toxicology and Applied Pharmacology*, **2003**, 186, 38-45	4.6	180
205	The Meuse Valley fog of 1930: an air pollution disaster. *Lancet, The*, **2001**, 357, 704-8	40	177
204	Nominal and effective dosimetry of silica nanoparticles in cytotoxicity assays. *Toxicological Sciences*, **2008**, 104, 155-62	4.4	169
203	Genotoxic effects of carbon black particles, diesel exhaust particles, and urban air particulates and their extracts on a human alveolar epithelial cell line (A549) and a human monocytic cell line (THP-1). *Environmental and Molecular Mutagenesis*, **2001**, 37, 155-63	3.2	131
202	Co-cultures of multiple cell types mimic pulmonary cell communication in response to urban PM10. *European Respiratory Journal*, **2008**, 32, 1184-94	13.6	128
201	Production of the acute-phase protein lipopolysaccharide-binding protein by respiratory type II epithelial cells: implications for local defense to bacterial endotoxins. *American Journal of Respiratory Cell and Molecular Biology*, **2000**, 23, 146-53	5.7	126
200	Metabolism: a bottleneck in in vitro toxicological test development. The report and recommendations of ECVAM workshop 54. *ATLA Alternatives To Laboratory Animals*, **2006**, 34, 49-84	2.1	124
199	Lung exposure to nanoparticles modulates an asthmatic response in a mouse model. *European Respiratory Journal*, **2011**, 37, 299-309	13.6	121
198	Synthesis and characterization of stable monodisperse silica nanoparticle sols for in vitro cytotoxicity testing. *Langmuir*, **2010**, 26, 328-35	4	119
197	Pharmacological stabilization of mast cells abrogates late thrombotic events induced by diesel exhaust particles in hamsters. *Circulation*, **2004**, 110, 1670-7	16.7	116
196	Influence of size, surface area and microporosity on the in vitro cytotoxic activity of amorphous silica nanoparticles in different cell types. *Nanotoxicology*, **2010**, 4, 307-18	5.3	115
195	Stronger associations between daily mortality and fine particulate air pollution in summer than in winter: evidence from a heavily polluted region in western Europe. *Journal of Epidemiology and Community Health*, **2007**, 61, 146-9	5.1	115
194	Health impact of nanomaterials?. *Nature Biotechnology*, **2004**, 22, 19	44.5	112
193	Pulmonary inflammation and thrombogenicity caused by diesel particles in hamsters: role of histamine. *American Journal of Respiratory and Critical Care Medicine*, **2003**, 168, 1366-72	10.2	111
192	How physico-chemical characteristics of nanoparticles cause their toxicity: complex and unresolved interrelations. *Environmental Sciences: Processes and Impacts*, **2013**, 15, 23-38	4.3	97
191	Contamination of nanoparticles by endotoxin: evaluation of different test methods. *Particle and Fibre Toxicology*, **2012**, 9, 41	8.4	93
190	Interactions of nanomaterials with the immune system. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2012**, 4, 169-83	9.2	87
189	Respiratory response to toluene diisocyanate depends on prior frequency and concentration of dermal sensitization in mice. *Toxicological Sciences*, **2004**, 80, 310-21	4.4	87

188	Enhanced peripheral thrombogenicity after lung inflammation is mediated by platelet-leukocyte activation: role of P-selectin. *Journal of Thrombosis and Haemostasis*, **2007**, 5, 1217-26	15.4	86
187	Air pollution related prothrombotic changes in persons with diabetes. *Environmental Health Perspectives*, **2010**, 118, 191-6	8.4	85
186	Exploring the aneugenic and clastogenic potential in the nanosize range: A549 human lung carcinoma cells and amorphous monodisperse silica nanoparticles as models. *Nanotoxicology*, **2010**, 4, 382-95	5.3	84
185	In vitro study of the pulmonary translocation of nanoparticles: a preliminary study. *Toxicology Letters*, **2006**, 160, 218-26	4.4	84
184	Increase in gamma-glutamyltransferase by glutathione depletion in rat type II pneumocytes. *Free Radical Biology and Medicine*, **1997**, 22, 525-34	7.8	83
183	Polyamines in the lung: polyamine uptake and polyamine-linked pathological or toxicological conditions. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2000**, 278, L417-33	5.8	82
182	The role of mast cells, interleukin-13 and transient receptor potential channels in a mouse model of chemical-induced airway hyperresponsiveness. *Clinical and Translational Allergy*, **2013**, 3, P31	5.2	78
181	Crucial role of transient receptor potential ankyrin 1 and mast cells in induction of nonallergic airway hyperreactivity in mice. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 187, 486-93	10.2	73
180	Oropharyngeal aspiration: an alternative route for challenging in a mouse model of chemical-induced asthma. *Toxicology*, **2009**, 259, 84-9	4.4	67
179	Validation of a mouse model of chemical-induced asthma using trimellitic anhydride, a respiratory sensitizer, and dinitrochlorobenzene, a dermal sensitizer. *Journal of Allergy and Clinical Immunology* , **2006**, 117, 1090-7	11.5	67
178	TRPV4 activation triggers protective responses to bacterial lipopolysaccharides in airway epithelial cells. *Nature Communications*, **2017**, 8, 1059	17.4	66
177	The impact of traffic air pollution on bronchiolitis obliterans syndrome and mortality after lung transplantation. *Thorax*, **2011**, 66, 748-54	7.3	66
176	How should the completeness and quality of curated nanomaterial data be evaluated?. *Nanoscale*, **2016**, 8, 9919-43	7.7	65
175	Induction of IL-6 and inhibition of IL-8 secretion in the human airway cell line Calu-3 by urban particulate matter collected with a modified method of PM sampling. *Environmental Research*, **2009** , 109, 528-35	7.9	64
174	Development of a physiologically based kinetic model for 99m-technetium-labelled carbon nanoparticles inhaled by humans. *Inhalation Toxicology*, **2009**, 21, 1099-107	2.7	63
173	The safety of medical devices containing DEHP plasticized PVC or other plasticizers on neonates and other groups possibly at risk (2015 update). *Regulatory Toxicology and Pharmacology*, **2016**, 76, 209-10	3.4	62
172	Immunological determinants of ventilatory changes induced in mice by dermal sensitization and respiratory challenge with toluene diisocyanate. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2007**, 292, L207-14	5.8	61
171	Nanosilver: Safety, health and environmental effects and role in antimicrobial resistance. *Materials Today*, **2015**, 18, 122-123	21.8	60

170	Lung distribution, quantification, co-localization and speciation of silver nanoparticles after lung exposure in mice. *Toxicology Letters*, **2015**, 238, 1-6	4.4	59
169	Increased granzyme A expression in type II pneumocytes of patients with severe chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, **2007**, 175, 464-72	10.2	59
168	Toxicity of nanoparticles embedded in paints compared with pristine nanoparticles in mice. *Toxicological Sciences*, **2014**, 141, 132-40	4.4	58
167	What's new in nanotoxicology? Implications for public health from a brief review of the 2008 literature. *Nanotoxicology*, **2010**, 4, 1-14	5.3	57
166	Oxidative stress induced by pure and iron-doped amorphous silica nanoparticles in subtoxic conditions. *Chemical Research in Toxicology*, **2012**, 25, 828-37	4	56
165	Nanoparticle release from dental composites. *Acta Biomaterialia*, **2014**, 10, 365-74	10.8	55
164	Assay conditions can influence the outcome of cytotoxicity tests of nanomaterials: better assay characterization is needed to compare studies. *Toxicology in Vitro*, **2010**, 24, 620-9	3.6	55
163	In vivo genotoxicity of hard metal dust: induction of micronuclei in rat type II epithelial lung cells. *Carcinogenesis*, **2003**, 24, 1793-800	4.6	55
162	Choice of mouse strain influences the outcome in a mouse model of chemical-induced asthma. *PLoS ONE*, **2010**, 5, e12581	3.7	55
161	Forced expiration measurements in mouse models of obstructive and restrictive lung diseases. *Respiratory Research*, **2017**, 18, 123	7.3	54
160	Silica particles enhance peripheral thrombosis: key role of lung macrophage-neutrophil cross-talk. *American Journal of Respiratory and Critical Care Medicine*, **2005**, 171, 872-9	10.2	54
159	Acetaminophen decreases intracellular glutathione levels and modulates cytokine production in human alveolar macrophages and type II pneumocytes in vitro. *International Journal of Biochemistry and Cell Biology*, **2005**, 37, 1727-37	5.6	52
158	Traffic air pollution and oxidized LDL. *PLoS ONE*, **2011**, 6, e16200	3.7	51
157	Global Methylation and Hydroxymethylation in DNA from Blood and Saliva in Healthy Volunteers. *BioMed Research International*, **2015**, 2015, 845041	3	50
156	Putrescine and paraquat uptake in human lung slices and isolated type II pneumocytes. *Biochemical Pharmacology*, **1994**, 48, 517-24	6	50
155	A cross-sectional study of changes in markers of immunological effects and lung health due to exposure to multi-walled carbon nanotubes. *Nanotoxicology*, **2017**, 11, 395-404	5.3	49
154	Decreased mitochondrial DNA content in association with exposure to polycyclic aromatic hydrocarbons in house dust during wintertime: from a population enquiry to cell culture. *PLoS ONE*, **2013**, 8, e63208	3.7	48
153	Epigenetic factors in cancer risk: effect of chemical carcinogens on global DNA methylation pattern in human TK6 cells. *PLoS ONE*, **2012**, 7, e34674	3.7	46

152	Differences in MWCNT- and SWCNT-induced DNA methylation alterations in association with the nuclear deposition. *Particle and Fibre Toxicology*, **2018**, 15, 11	8.4	44
151	Cytokine production by co-cultures exposed to monodisperse amorphous silica nanoparticles: the role of size and surface area. *Toxicology Letters*, **2012**, 211, 98-104	4.4	44
150	Agglomeration of titanium dioxide nanoparticles increases toxicological responses in vitro and in vivo. *Particle and Fibre Toxicology*, **2020**, 17, 10	8.4	42
149	Monomer elution in relation to degree of conversion for different types of composite. *Journal of Dentistry*, **2015**, 43, 1448-55	4.8	42
148	Eco-, geno- and human toxicology of bio-active nanoparticles for biomedical applications. *Toxicology*, **2010**, 269, 170-81	4.4	41
147	Polyanions protect against the in vitro pulmonary toxicity of polycationic paint components associated with the Ardystil syndrome. *Toxicology and Applied Pharmacology*, **2001**, 175, 184-90	4.6	41
146	How long do the systemic and ventilatory responses to toluene diisocyanate persist in dermally sensitized mice?. *Journal of Allergy and Clinical Immunology*, **2008**, 121, 456-463.e5	11.5	38
145	Paracetamol (acetaminophen) cytotoxicity in rat type II pneumocytes and alveolar macrophages in vitro. *Biochemical Pharmacology*, **2000**, 59, 1467-75	6	38
144	Changes in DNA Methylation in Mouse Lungs after a Single Intra-Tracheal Administration of Nanomaterials. *PLoS ONE*, **2017**, 12, e0169886	3.7	38
143	Reassessment of the acrylamide risk: Belgium as a case-study. *Food Control*, **2016**, 59, 628-635	6.2	37
142	Should we be concerned about composite (nano-)dust?. *Dental Materials*, **2012**, 28, 1162-70	5.7	37
141	The puzzling issue of silica toxicity: are silanols bridging the gaps between surface states and pathogenicity?. *Particle and Fibre Toxicology*, **2019**, 16, 32	8.4	36
140	Negative impact of occupational exposure on surgical outcome in patients with rhinosinusitis. *Allergy: European Journal of Allergy and Clinical Immunology*, **2012**, 67, 560-5	9.3	36
139	Do nanomedicines require novel safety assessments to ensure their safety for long-term human use?. *Drug Safety*, **2009**, 32, 625-36	5.1	36
138	Use of Zebrafish Larvae as a Multi-Endpoint Platform to Characterize the Toxicity Profile of Silica Nanoparticles. *Scientific Reports*, **2016**, 6, 37145	4.9	34
137	Occupational Exposure to Multi-Walled Carbon Nanotubes During Commercial Production Synthesis and Handling. *Annals of Occupational Hygiene*, **2016**, 60, 305-17		33
136	Validity of methods to predict the respiratory sensitizing potential of chemicals: A study with a piperidinyl chlorotriazine derivative that caused an outbreak of occupational asthma. *Toxicological Sciences*, **2003**, 76, 338-46	4.4	33
135	Cyto-genotoxic and DNA methylation changes induced by different crystal phases of TiO-np in bronchial epithelial (16-HBE) cells. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2017**, 796, 1-12	3.3	32

134	Epigenetic effects of carbon nanotubes in human monocytic cells. *Mutagenesis*, **2017**, 32, 181-191	2.8	32
133	Cardiovascular effects among workers exposed to multiwalled carbon nanotubes. *Occupational and Environmental Medicine*, **2018**, 75, 351-358	2.1	30
132	Changes in DNA methylation induced by multi-walled carbon nanotube exposure in the workplace. *Nanotoxicology*, **2017**, 11, 1195-1210	5.3	29
131	Amorphous silica nanoparticles promote monocyte adhesion to human endothelial cells: size-dependent effect. *Small*, **2013**, 9, 430-8	11	29
130	Ammonium persulfate can initiate an asthmatic response in mice. *Thorax*, **2010**, 65, 252-7	7.3	29
129	In vitro cytotoxicity of textile paint components linked to the "Ardystil syndrome". *Toxicological Sciences*, **1999**, 52, 209-16	4.4	28
128	Pulmonary and hemostatic toxicity of multi-walled carbon nanotubes and zinc oxide nanoparticles after pulmonary exposure in Bmal1 knockout mice. *Particle and Fibre Toxicology*, **2014**, 11, 61	8.4	27
127	In vitro cytotoxicity of various forms of cobalt for rat alveolar macrophages and type II pneumocytes. *Toxicology and Applied Pharmacology*, **2000**, 162, 2-9	4.6	27
126	Neuro-immune interactions in chemical-induced airway hyperreactivity. *European Respiratory Journal*, **2016**, 48, 380-92	13.6	27
125	Role of residual additives in the cytotoxicity and cytokine release caused by polyvinyl chloride particles in pulmonary cell cultures. *Toxicological Sciences*, **2003**, 72, 92-102	4.4	26
124	Toxicity of nanoparticles embedded in paints compared to pristine nanoparticles, in vitro study. *Toxicology Letters*, **2015**, 232, 333-9	4.4	25
123	Investigation of the cytotoxicity of nanozeolites A and Y. *Nanotoxicology*, **2012**, 6, 472-85	5.3	25
122	Concentrations of domestic mite and pet allergens and endotoxin in Palestine. *Allergy: European Journal of Allergy and Clinical Immunology*, **2004**, 59, 623-31	9.3	25
121	Thrombogenic changes in young and old mice upon subchronic exposure to air pollution in an urban roadside tunnel. *Thrombosis and Haemostasis*, **2012**, 108, 756-68	7	24
120	Assessment of the sensitization potential of persulfate salts used for bleaching hair. *Contact Dermatitis*, **2009**, 60, 85-90	2.7	24
119	Death and cell cycle progression are differently conditioned by the AgNP size in osteoblast-like cells. *Toxicology*, **2016**, 368-369, 103-115	4.4	24
118	Genotoxicity of engineered nanoparticles in higher plants. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2019**, 842, 132-145	3	24
117	Toluene diisocyanate and methylene diphenyl diisocyanate: asthmatic response and cross-reactivity in a mouse model. *Archives of Toxicology*, **2016**, 90, 1709-17	5.8	23

116	Pulmonary toxicity of polyvinyl chloride particles after a single intratracheal instillation in rats. Time course and comparison with silica. *Toxicology and Applied Pharmacology*, **2004**, 194, 111-21	4.6	23
115	Temporal variability of global DNA methylation and hydroxymethylation in buccal cells of healthy adults: Association with air pollution. *Environment International*, **2018**, 111, 301-308	12.9	23
114	Methylisothiazolinone: dermal and respiratory immune responses in mice. *Toxicology Letters*, **2015**, 235, 179-88	4.4	21
113	A coculture model of the lung□blood barrier: the role of activated phagocytic cells. *Toxicology in Vitro*, **2015**, 29, 234-41	3.6	21
112	Nano-TiO2 modulates the dermal sensitization potency of dinitrochlorobenzene after topical exposure. *British Journal of Dermatology*, **2015**, 172, 392-9	4	21
111	Nano-titanium dioxide modulates the dermal sensitization potency of DNCB. *Particle and Fibre Toxicology*, **2012**, 9, 15	8.4	21
110	Is aggregated synthetic amorphous silica toxicologically relevant?. *Particle and Fibre Toxicology*, **2020**, 17, 1	8.4	21
109	Release of monomers from composite dust. *Journal of Dentistry*, **2017**, 60, 56-62	4.8	20
108	Neutrophil and eosinophil granulocytes as key players in a mouse model of chemical-induced asthma. *Toxicological Sciences*, **2013**, 131, 406-18	4.4	20
107	In vitro translocation of quantum dots and influence of oxidative stress. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2009**, 297, L903-11	5.8	20
106	Immunological determinants in a mouse model of chemical-induced asthma after multiple exposures. *Scandinavian Journal of Immunology*, **2009**, 70, 25-33	3.4	20
105	Multiple challenges in a mouse model of chemical-induced asthma lead to tolerance: ventilatory and inflammatory responses are blunted, immunologic humoral responses are not. *Toxicology*, **2009** , 257, 144-52	4.4	20
104	Macrolide therapy targets a specific phenotype in respiratory medicine: from clinical experience to basic science and back. *Inflammation and Allergy: Drug Targets*, **2008**, 7, 279-87		20
103	Optimisation of culture conditions to develop an in vitro pulmonary permeability model. *Toxicology in Vitro*, **2007**, 21, 1215-9	3.6	20
102	Carbon Nanotube- and Asbestos-Induced DNA and RNA Methylation Changes in Bronchial Epithelial Cells. *Chemical Research in Toxicology*, **2019**, 32, 850-860	4	19
101	Silica nanoparticles inhibit the cation channel TRPV4 in airway epithelial cells. *Particle and Fibre Toxicology*, **2017**, 14, 43	8.4	19
100	Pulmonary inflammation in mice with collagen-induced arthritis is conditioned by complete Freund's adjuvant and regulated by endogenous IFN-□*European Journal of Immunology*, **2012**, 42, 3223-34	6.1	19
99	Kinetics and cellular localisation of putrescine uptake in human lung tissue. *Thorax*, **1993**, 48, 1235-41	7.3	19

98	Induction and recovery of CpG site specific methylation changes in human bronchial cells after long-term exposure to carbon nanotubes and asbestos. *Environment International*, **2020**, 137, 105530	12.9	18
97	The safety of the use of bisphenol A in medical devices. *Regulatory Toxicology and Pharmacology*, **2016**, 79, 106-107	3.4	18
96	Opinion of the Scientific Committee on Consumer Safety (SCCS) - Revision of the opinion on the safety of the use of Silica, Hydrated Silica, and Silica Surface Modified with Alkyl Silylates (nano form) in cosmetic products. *Regulatory Toxicology and Pharmacology*, **2016**, 74, 79-80	3.4	17
95	Intracellular oxidative stress caused by nanoparticles: What do we measure with the dichlorofluorescein assay?. *Nano Today*, **2013**, 8, 223-227	17.9	17
94	Dependence of Gold Nanoparticle Radiosensitization on Functionalizing Layer Thickness. *Radiation Research*, **2016**, 185, 384-92	3.1	16
93	Exposure to Polycyclic Aromatic Hydrocarbons Leads to Non-monotonic Modulation of DNA and RNA (hydroxy)methylation in a Rat Model. *Scientific Reports*, **2018**, 8, 10577	4.9	16
92	Single-walled and multi-walled carbon nanotubes induce sequence-specific epigenetic alterations in 16 HBE cells. *Oncotarget*, **2018**, 9, 20351-20365	3.3	16
91	Acute and chronic exposure to air pollution in relation with incidence, prevalence, severity and mortality of COVID-19: a rapid systematic review. *Environmental Health*, **2021**, 20, 41	6	16
90	Prior lung inflammation impacts on body distribution of gold nanoparticles. *BioMed Research International*, **2013**, 2013, 923475	3	15
89	Interaction of gold nanoparticles and nickel(II) sulfate affects dendritic cell maturation. *Nanotoxicology*, **2016**, 10, 1395-1403	5.3	14
88	CompNanoTox2015: novel perspectives from a European conference on computational nanotoxicology on predictive nanotoxicology. *Nanotoxicology*, **2017**, 11, 839-845	5.3	14
87	Airway exposure to hypochlorite prior to ovalbumin induces airway hyperreactivity without evidence for allergic sensitization. *Toxicology Letters*, **2011**, 204, 101-7	4.4	14
86	Childhood asthma and indoor aeroallergens and endotoxin in Palestine: a case-control study. *Journal of Asthma*, **2006**, 43, 241-7	1.9	14
85	Pulmonary toxicity of polyvinyl chloride particles after repeated intratracheal instillations in rats. Elevated CD4/CD8 lymphocyte ratio in bronchoalveolar lavage. *Toxicology and Applied Pharmacology*, **2004**, 194, 122-31	4.6	14
84	B-lymphocytes as key players in chemical-induced asthma. *PLoS ONE*, **2013**, 8, e83228	3.7	14
83	Risk Governance of Emerging Technologies Demonstrated in Terms of its Applicability to Nanomaterials. *Small*, **2020**, 16, e2003303	11	14
82	Assessment of Changes in Global DNA Methylation Levels by Pyrosequencing of Repetitive Elements. *Methods in Molecular Biology*, **2015**, 1315, 201-7	1.4	13
81	Interaction of rat alveolar macrophages with dental composite dust. *Particle and Fibre Toxicology*, **2016**, 13, 62	8.4	13

80	Body distribution of SiO2-Fe3O4 core-shell nanoparticles after intravenous injection and intratracheal instillation. *Nanotoxicology*, **2016**, 10, 567-74	5.3	13
79	Effect of chemical mutagens and carcinogens on gene expression profiles in human TK6 cells. *PLoS ONE*, **2012**, 7, e39205	3.7	13
78	Effects of oxygen pressure and medium volume on the toxicity of paraquat in rat and human type II pneumocytes. *Human and Experimental Toxicology*, **1997**, 16, 305-10	3.4	13
77	What's new in Nanotoxicology? Brief review of the 2007 literature. *Nanotoxicology*, **2008**, 2, 171-182	5.3	13
76	Lung cancer mortality and fine particulate air pollution in Europe. *International Journal of Cancer*, **2007**, 120, 1825-6; author reply 1827	7.5	13
75	Translocation of ultrafine particles. *Environmental Health Perspectives*, **2006**, 114, A211-2; author reply A212-3	8.4	13
74	Activation of the hexose monophosphate shunt in rat type II pneumocytes as an early marker of oxidative stress caused by cobalt particles. *Archives of Toxicology*, **2002**, 76, 1-7	5.8	13
73	Toxicokinetics and metabolism. *ATLA Alternatives To Laboratory Animals*, **2005**, 33 Suppl 1, 147-75	2.1	13
72	Cytotoxic effects of composite dust on human bronchial epithelial cells. *Dental Materials*, **2016**, 32, 1482-1491	5.7	13
71	Irritant-induced asthma to hypochlorite in mice due to impairment of the airway barrier. *Archives of Toxicology*, **2018**, 92, 1551-1561	5.8	12
70	Impact of lung surfactant on wettability and cytotoxicity of nanoparticles. *RSC Advances*, **2014**, 4, 20573-20581	3.9	12
69	Biomarker discovery in asthma and COPD: Application of proteomics techniques in human and mice. *EuPA Open Proteomics*, **2014**, 4, 101-112	0.1	12
68	Proteome analysis of multiple compartments in a mouse model of chemical-induced asthma. *Journal of Proteome Research*, **2010**, 9, 5868-76	5.6	12
67	Respiratory function and bronchial responsiveness among industrial workers exposed to different classes of occupational agents: a study from Algeria. *Journal of Occupational Medicine and Toxicology*, **2007**, 2, 11	2.7	12
66	In vitro toxicity assessment of polyvinyl chloride particles and comparison of six cellular systems. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2002**, 65, 1141-59	3.2	12
65	A comparative study of the isolation of type II epithelial cells from rat, hamster, pig and human lung tissue. *Cytotechnology*, **1999**, 21, 31-8		12
64	Humidifier disinfectant-associated interstitial lung disease and the Ardystil syndrome. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 191, 116-7	10.2	11
63	Saturation reduces in-vitro leakage of monomers from composites. *Dental Materials*, **2018**, 34, 579-586	5.7	11

62	Distinct autophagy-apoptosis related pathways activated by Multi-walled (NM 400) and Single-walled carbon nanotubes (NIST-SRM2483) in human bronchial epithelial (16HBE14o-) cells. *Journal of Hazardous Materials*, **2020**, 387, 121691	12.8	11
61	Global and gene-specific DNA methylation effects of different asbestos fibres on human bronchial epithelial cells. *Environment International*, **2018**, 115, 301-311	12.9	10
60	Successful transfer of chemical-induced asthma by adoptive transfer of low amounts of lymphocytes in a mouse model. *Toxicology*, **2011**, 279, 85-90	4.4	10
59	In vitro toxicity of cobalt and hard metal dust in rat and human type II pneumocytes. *Basic and Clinical Pharmacology and Toxicology*, **1997**, 81, 74-80		10
58	Use of isolated lung cells in pulmonary toxicology. *Toxicology in Vitro*, **1993**, 7, 359-64	3.6	9
57	Cytotoxic and genotoxic potential of respirable fraction of composite dust on human bronchial cells. *Dental Materials*, **2020**, 36, 270-283	5.7	9
56	Differential pulmonary in vitro toxicity of two small-sized polyvinylpyrrolidone-coated silver nanoparticles. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2018**, 81, 675-690	3.2	9
55	Dermal exposure determines the outcome of repeated airway exposure in a long-term chemical-induced asthma-like mouse model. *Toxicology*, **2019**, 421, 84-92	4.4	8
54	Nanoparticles in the lungs of old mice: Pulmonary inflammation and oxidative stress without procoagulant effects. *Science of the Total Environment*, **2018**, 644, 907-915	10.2	8
53	Is toluene diamine a sensitizer and is there cross-reactivity between toluene diamine and toluene diisocyanate?. *Toxicological Sciences*, **2009**, 109, 256-64	4.4	8
52	Toxicity of tungsten. *Lancet, The*, **1997**, 349, 58-59	40	8
51	Reduced exercise capacity in a mouse model of asthma. *Thorax*, **2006**, 61, 736-7	7.3	8
50	Increased HLA-DR expression after exposure of human monocytic cells to air particulates. *Clinical and Experimental Allergy*, **2002**, 32, 296-300	4.1	8
49	Stimulation of phagocytosis by ultrafine particles. *Toxicology and Applied Pharmacology*, **2001**, 176, 203	4.6	8
48	IL-13 is a central mediator of chemical-induced airway hyperreactivity in mice. *PLoS ONE*, **2017**, 12, e0180690	3.7	8
47	Skin Exposure Contributes to Chemical-Induced Asthma: What is the Evidence? A Systematic Review of Animal Models. *Allergy, Asthma and Immunology Research*, **2020**, 12, 579-598	5.3	8
46	The effect of water spray on the release of composite nano-dust. *Clinical Oral Investigations*, **2020**, 24, 2403-2414	4.2	8
45	Synthesis, characterization and toxicity assessment of a new polymeric nanoparticle, l-glutamic acid-g-p(HEMA). *Chemico-Biological Interactions*, **2020**, 315, 108870	5	8

44	Increased telomere length and mtDNA copy number induced by multi-walled carbon nanotube exposure in the workplace. *Journal of Hazardous Materials*, **2020**, 394, 122569	12.8	7
43	Proteome changes in auricular lymph nodes and serum after dermal sensitization to toluene diisocyanate in mice. *Proteomics*, **2012**, 12, 3548-58	4.8	7
42	Role of gamma-glutamyltransferase in putrescine uptake by rat type II pneumocytes. *Biochemical Pharmacology*, **1995**, 50, 981-9	6	7
41	Interleukin-1□nduced release of interleukin-8 by human bronchial epithelial cells in vitro: assessing mechanisms and possible treatment options. *Transplant International*, **2017**, 30, 388-397	3	6
40	Filtration efficiency of surgical and FFP3 masks against composite dust. *European Journal of Oral Sciences*, **2020**, 128, 233-240	2.3	6
39	In vitro modulation of the P450 activities of hamster and human lung slices. *Cell Biology and Toxicology*, **1997**, 13, 185-92	7.4	6
38	Investigation of the transport of intact glutathione in human and rat type II pneumocytes. *Free Radical Research*, **1999**, 30, 371-81	4	6
37	Granulomatous lung disease in two workers making light bulbs. *American Journal of Industrial Medicine*, **2019**, 62, 908-913	2.7	5
36	LiCoO particles used in Li-ion batteries induce primary mutagenicity in lung cells via their capacity to generate hydroxyl radicals. *Particle and Fibre Toxicology*, **2020**, 17, 6	8.4	5
35	Longitudinal micro-computed tomography-derived biomarkers quantify non-resolving lung fibrosis in a silicosis mouse model. *Scientific Reports*, **2020**, 10, 16181	4.9	5
34	Contribution of mast cells in irritant-induced airway epithelial barrier impairment. *Toxicology and Industrial Health*, **2020**, 36, 823-834	1.8	5
33	A strategy towards the generation of testable adverse outcome pathways for nanomaterials. *ALTEX: Alternatives To Animal Experimentation*, **2021**, 38, 580-594	4.3	5
32	Inhalation of Nanomaterials: Short Overview of the Local and Systemic Effects. *NATO Science for Peace and Security Series*, **2007**, 77-90		5
31	The Effect of Immunosuppression on Airway Integrity. *Transplantation*, **2017**, 101, 2855-2861	1.8	4
30	Recommendations to the European Commission implementing a priority list of additives that should have more stringent reporting requirements: the opinion of the Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR). *Tobacco Control*, **2018**, 27, 225-228	5.3	4
29	Scientific Basis for Regulatory Decision-Making of Nanomaterials Report on the Workshop, 20-21 January 2014, Center of Applied Ecotoxicology, D□endorf. *Chimia*, **2015**, 69, 52-6	1.3	4
28	Kinetics of an intratracheally administered chromium catalyst in rats. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2003**, 66, 393-409	3.2	4
27	Putrescine accumulation in human pulmonary tumours. *British Journal of Cancer*, **1996**, 73, 96-100	8.7	4

26	Assessing the Toxicological Relevance of Nanomaterial Agglomerates and Aggregates Using Realistic Exposure In Vitro. *Nanomaterials*, **2021**, 11,	5.4	4
25	Biodistribution and pulmonary metabolic effects of silver nanoparticles in mice following acute intratracheal instillations. *Environmental Science and Pollution Research*, **2021**, 28, 2301-2314	5.1	4
24	Letter to the editor regarding the article by Wittmaack. *Chemical Research in Toxicology*, **2012**, 25, 4-6; author reply 7-10	4	3
23	Cytotoxicity of SiO2 in A549 cells. *Toxicology and Applied Pharmacology*, **2007**, 220, 225; author reply 226	4.6	3
22	Agglomeration State of Titanium-Dioxide (TiO) Nanomaterials Influences the Dose Deposition and Cytotoxic Responses in Human Bronchial Epithelial Cells at the Air-Liquid Interface.. *Nanomaterials*, **2021**, 11,	5.4	3
21	A novel TEM grid sampler for airborne particles to measure the cell culture surface dose. *Scientific Reports*, **2020**, 10, 8401	4.9	3
20	Case Study III: The Construction of a Nanotoxicity Database - The MOD-ENP-TOX Experience. *Advances in Experimental Medicine and Biology*, **2017**, 947, 325-344	3.6	2
19	Putrescine uptake in rat type II pneumocytes correlates with gamma-glutamyltransferase activity. *International Journal of Biochemistry and Cell Biology*, **1997**, 29, 605-9	5.6	2
18	More People Die in Summer From Fine Particulate Air Pollution Than in Winter. Associations From a Heavily Polluted Region in Western Europe. *Epidemiology*, **2006**, 17, S262	3.1	2
17	Cobalt exposure via skin alters lung immune cells and enhances pulmonary responses to cobalt in mice. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 319, L641-L651	5.8	2
16	Associations between occupational and environmental exposures and organ involvement in sarcoidosis: a retrospective case-case analysis. *Respiratory Research*, **2021**, 22, 224	7.3	2
15	Reply. *Toxicology and Applied Pharmacology*, **2000**, 168, 173-4	4.6	1
14	Proteomic Alterations in B Lymphocytes of Sensitized Mice in a Model of Chemical-Induced Asthma. *PLoS ONE*, **2015**, 10, e0138791	3.7	1
13	Effect of Graphene and Graphene Oxide on Airway Barrier and Differential Phosphorylation of Proteins in Tight and Adherens Junction Pathways. *Nanomaterials*, **2021**, 11,	5.4	1
12	Identifying nanodescriptors to predict the toxicity of nanomaterials: a case study on titanium dioxide. *Environmental Science: Nano*, **2021**, 8, 580-590	7.1	1
11	Neurotoxicity of four frequently used nanoparticles: a systematic review to reveal the missing data.. *Archives of Toxicology*, **2022**, 1	5.8	1
10	Epigenetic Mechanisms in Understanding Nanomaterial-Induced Toxicity.. *Advances in Experimental Medicine and Biology*, **2022**, 1357, 195-223	3.6	1
9	Exposure to silicates and systemic autoimmune-related outcomes in rodents: a systematic review.. *Particle and Fibre Toxicology*, **2022**, 19, 4	8.4	0

8	Advice to the European Commission as Regards Type and Criteria for Comprehensive Studies to Be Requested From Manufacturers: The Opinion of the Scientific Committee on Health, Environmental, and Emerging Risks (SCHEER). *Nicotine and Tobacco Research*, **2020**, 22, 613-618	4.9	0
7	Position paper on the use of an estimated acceptable concentration (EAC) as basis for a control policy's action level for carcinogens unintentionally present in food. *Trends in Food Science and Technology*, **2021**, 107, 324-332	15.3	0
6	Involvement of Innate Lymphoid Cells and Dendritic Cells in a Mouse Model of Chemical-induced Asthma. *Allergy, Asthma and Immunology Research*, **2021**, 13, 295-311	5.3	0
5	A rapid test for the environmental detection of pigeon antigen. *Science of the Total Environment*, **2021**, 788, 147789	10.2	0
4	Identifying cleaning products associated with short-term work-related respiratory symptoms: A workforce-based study in domestic cleaners.. *Environment International*, **2022**, 162, 107170	12.9	0
3	Impact of Particle Size on Toxicity, Tissue Distribution and Excretion Kinetics of Subchronic Intratracheal Instilled Silver Nanoparticles in Mice. *Toxics*, **2022**, 10, 260	4.7	0
2	Silica Nanoparticles Induce Calcium-Permeable Pores in Plasma Membranes. *Biophysical Journal*, **2017**, 112, 415a-416a	2.9	
1	CHAPTER 35:The Micronucleus Assay as a Cytogenetic Biomarker of Ethylene Oxide Exposure. *Issues in Toxicology*, **2019**, 583-600	0.3	