

# Hakan Wallin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185  
papers

10,925  
citations

62  
h-index

94  
g-index

193  
ext. papers

11,816  
ext. citations

5.1  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
185	Kupffer cells are central in the removal of nanoparticles from the organism. <i>Particle and Fibre Toxicology</i> , <b>2007</b> , 4, 10	8.4	399
184	Genotoxicity, cytotoxicity, and reactive oxygen species induced by single-walled carbon nanotubes and C(60) fullerenes in the FE1-Mutatrade markMouse lung epithelial cells. <i>Environmental and Molecular Mutagenesis</i> , <b>2008</b> , 49, 476-87	3.2	311
183	Role of oxidative damage in toxicity of particulates. <i>Free Radical Research</i> , <b>2010</b> , 44, 1-46	4	307
182	Lung inflammation and genotoxicity following pulmonary exposure to nanoparticles in ApoE <sup>-/-</sup> mice. <i>Particle and Fibre Toxicology</i> , <b>2009</b> , 6, 2	8.4	233
181	Protracted elimination of gold nanoparticles from mouse liver. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2009</b> , 5, 162-9	6	232
180	Oxidatively damaged DNA in rats exposed by oral gavage to C60 fullerenes and single-walled carbon nanotubes. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 703-8	8.4	191
179	Associations between GPX1 Pro198Leu polymorphism, erythrocyte GPX activity, alcohol consumption and breast cancer risk in a prospective cohort study. <i>Carcinogenesis</i> , <b>2006</b> , 27, 820-5	4.6	189
178	Tissue distribution and elimination after oral and intravenous administration of different titanium dioxide nanoparticles in rats. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 30	8.4	181
177	Bioaccumulation and ecotoxicity of carbon nanotubes. <i>Chemistry Central Journal</i> , <b>2013</b> , 7, 154		179
176	Oxidative stress, DNA damage, and inflammation induced by ambient air and wood smoke particulate matter in human A549 and THP-1 cell lines. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 168-84 <sup>4</sup>		169
175	Effects of prenatal exposure to surface-coated nanosized titanium dioxide (UV-Titan). A study in mice. <i>Particle and Fibre Toxicology</i> , <b>2010</b> , 7, 16	8.4	162
174	Oxidative stress associated with exercise, psychological stress and life-style factors. <i>Chemico-Biological Interactions</i> , <b>1996</b> , 102, 17-36	5	149
173	MWCNTs of different physicochemical properties cause similar inflammatory responses, but differences in transcriptional and histological markers of fibrosis in mouse lungs. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 284, 16-32	4.6	134
172	Carbon black nanoparticle instillation induces sustained inflammation and genotoxicity in mouse lung and liver. <i>Particle and Fibre Toxicology</i> , <b>2012</b> , 9, 5	8.4	132
171	Pulmonary response to surface-coated nanotitanium dioxide particles includes induction of acute phase response genes, inflammatory cascades, and changes in microRNAs: a toxicogenomic study. <i>Environmental and Molecular Mutagenesis</i> , <b>2011</b> , 52, 425-39	3.2	129
170	Variation in the measurement of DNA damage by comet assay measured by the ECVAG inter-laboratory validation trial. <i>Mutagenesis</i> , <b>2010</b> , 25, 113-23	2.8	129
169	Increased mutant frequency by carbon black, but not quartz, in the lacZ and cII transgenes of muta mouse lung epithelial cells. <i>Environmental and Molecular Mutagenesis</i> , <b>2007</b> , 48, 451-61	3.2	119

168	Pulmonary exposure to carbon black by inhalation or instillation in pregnant mice: effects on liver DNA strand breaks in dams and offspring. <i>Nanotoxicology</i> , <b>2012</b> , 6, 486-500	5.3	118
167	Engineered nanomaterial risk. Lessons learnt from completed nanotoxicology studies: potential solutions to current and future challenges. <i>Critical Reviews in Toxicology</i> , <b>2013</b> , 43, 1-20	5.7	116
166	Differential rates of metabolic activation and detoxication of the food mutagen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine by different cytochrome P450 enzymes. <i>Carcinogenesis</i> , <b>1990</b> , 11, 489-92	4.6	116
165	Adduct formation, mutagenesis and nucleotide excision repair of DNA damage produced by reactive oxygen species and lipid peroxidation product. <i>Mutation Research - Reviews in Mutation Research</i> , <b>1998</b> , 410, 271-90	7	114
164	ITS-NANO--prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 9	8.4	112
163	Biodistribution of gold nanoparticles in mouse lung following intratracheal instillation. <i>Chemistry Central Journal</i> , <b>2009</b> , 3, 16		111
162	Genotoxicity of the food mutagen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP): formation of 2-hydroxamino-PhIP, a directly acting genotoxic metabolite. <i>Carcinogenesis</i> , <b>1989</b> , 10, 1389-96	4.6	109
161	Genotoxic hazards of azo pigments and other colorants related to 1-phenylazo-2-hydroxynaphthalene. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2000</b> , 462, 13-30	7	105
160	Inflammatory and genotoxic effects of nanoparticles designed for inclusion in paints and lacquers. <i>Nanotoxicology</i> , <b>2012</b> , 6, 453-71	5.3	104
159	Nanomaterial translocation--the biokinetics, tissue accumulation, toxicity and fate of materials in secondary organs--a review. <i>Critical Reviews in Toxicology</i> , <b>2015</b> , 45, 837-72	5.7	102
158	Inflammatory and genotoxic effects of diesel particles in vitro and in vivo. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2004</b> , 562, 119-31	3	102
157	Oxidative DNA damage and defence gene expression in the mouse lung after short-term exposure to diesel exhaust particles by inhalation. <i>Carcinogenesis</i> , <b>2003</b> , 24, 1847-52	4.6	101
156	In vitro assessment of engineered nanomaterials using a hepatocyte cell line: cytotoxicity, pro-inflammatory cytokines and functional markers. <i>Nanotoxicology</i> , <b>2013</b> , 7, 301-13	5.3	100
155	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Health--ENPRA Project--The Highlights, Limitations, and Current and Future Challenges. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2016</b> , 19, 1-28	8.6	96
154	Multi-walled carbon nanotube physicochemical properties predict pulmonary inflammation and genotoxicity. <i>Nanotoxicology</i> , <b>2016</b> , 10, 1263-75	5.3	94
153	Nanotitanium dioxide toxicity in mouse lung is reduced in sanding dust from paint. <i>Particle and Fibre Toxicology</i> , <b>2012</b> , 9, 4	8.4	93
152	Effects of prenatal exposure to diesel exhaust particles on postnatal development, behavior, genotoxicity and inflammation in mice. <i>Particle and Fibre Toxicology</i> , <b>2008</b> , 5, 3	8.4	91
151	Particle-induced pulmonary acute phase response correlates with neutrophil influx linking inhaled particles and cardiovascular risk. <i>PLoS ONE</i> , <b>2013</b> , 8, e69020	3.7	88

150	Two regions in chromosome 19q13.2-3 are associated with risk of lung cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2004</b> , 546, 65-74	3.3	88
149	Vascular effects of multiwalled carbon nanotubes in dyslipidemic ApoE <sup>-/-</sup> mice and cultured endothelial cells. <i>Toxicological Sciences</i> , <b>2014</b> , 138, 104-16	4.4	86
148	Nano-risk Science: application of toxicogenomics in an adverse outcome pathway framework for risk assessment of multi-walled carbon nanotubes. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 15	8.4	86
147	Hepatic and pulmonary toxicogenomic profiles in mice intratracheally instilled with carbon black nanoparticles reveal pulmonary inflammation, acute phase response, and alterations in lipid homeostasis. <i>Toxicological Sciences</i> , <b>2012</b> , 127, 474-84	4.4	86
146	Formation of a glutathione conjugate and a semistable transportable glucuronide conjugate of N2-oxidized species of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in rat liver. <i>Carcinogenesis</i> , <b>1991</b> , 12, 2239-45	4.6	86
145	Exposure of pregnant mice to carbon black by intratracheal instillation: toxicogenomic effects in dams and offspring. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2012</b> , 745, 73-83	3	85
144	Pulmonary instillation of low doses of titanium dioxide nanoparticles in mice leads to particle retention and gene expression changes in the absence of inflammation. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 269, 250-62	4.6	83
143	Modest effect on plaque progression and vasodilatory function in atherosclerosis-prone mice exposed to nanosized TiO <sub>2</sub> . <i>Particle and Fibre Toxicology</i> , <b>2011</b> , 8, 32	8.4	81
142	Pulmonary exposure to carbon black nanoparticles and vascular effects. <i>Particle and Fibre Toxicology</i> , <b>2010</b> , 7, 33	8.4	81
141	Polymorphisms of the XRCC1, XRCC3 and XPD genes and risk of colorectal adenoma and carcinoma, in a Norwegian cohort: a case control study. <i>BMC Cancer</i> , <b>2006</b> , 6, 67	4.8	80
140	Particle-induced pulmonary acute phase response may be the causal link between particle inhalation and cardiovascular disease. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2014</b> , 6, 517-31	9.2	76
139	Tumor necrosis factor is not required for particle-induced genotoxicity and pulmonary inflammation. <i>Archives of Toxicology</i> , <b>2005</b> , 79, 177-82	5.8	76
138	Biomarkers for Exposure to Ambient Air Pollution. Comparison of Carcinogen-DNA Adduct Levels with Other Exposure Markers and Markers for Oxidative Stress. <i>Environmental Health Perspectives</i> , <b>1999</b> , 107, 233	8.4	76
137	Intratracheally instilled titanium dioxide nanoparticles translocate to heart and liver and activate complement cascade in the heart of C57BL/6 mice. <i>Nanotoxicology</i> , <b>2015</b> , 9, 1013-22	5.3	75
136	Oxidative stress, inflammation, and DNA damage in rats after intratracheal instillation or oral exposure to ambient air and wood smoke particulate matter. <i>Toxicological Sciences</i> , <b>2010</b> , 118, 574-85	4.4	75
135	Sunlight-induced DNA damage in human mononuclear cells. <i>FASEB Journal</i> , <b>2002</b> , 16, 45-53	0.9	75
134	Combinations of polymorphisms in XPD, XPC and XPA in relation to risk of lung cancer. <i>Cancer Letters</i> , <b>2005</b> , 222, 67-74	9.9	74
133	Polymorphisms in genes involved in the inflammatory response and interaction with NSAID use or smoking in relation to lung cancer risk in a prospective study. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2008</b> , 639, 89-100	3.3	73

132	Transcriptomic analysis reveals novel mechanistic insight into murine biological responses to multi-walled carbon nanotubes in lungs and cultured lung epithelial cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e80452	3.7	71
131	Inflammatory and genotoxic effects of sanding dust generated from nanoparticle-containing paints and lacquers. <i>Nanotoxicology</i> , <b>2012</b> , 6, 776-88	5.3	70
130	A specific haplotype of single nucleotide polymorphisms on chromosome 19q13.2-3 encompassing the gene RAI is indicative of post-menopausal breast cancer before age 55. <i>Carcinogenesis</i> , <b>2003</b> , 24, 899-904	4.6	69
129	DNA adduct formation and oxidative stress in colon and liver of Big Blue rats after dietary exposure to diesel particles. <i>Carcinogenesis</i> , <b>2003</b> , 24, 1759-66	4.6	68
128	Characterization of genotoxic response to 15 multiwalled carbon nanotubes with variable physicochemical properties including surface functionalizations in the FE1-Muta(TM) mouse lung epithelial cell line. <i>Environmental and Molecular Mutagenesis</i> , <b>2015</b> , 56, 183-203	3.2	65
127	Daily sperm production: application in studies of prenatal exposure to nanoparticles in mice. <i>Reproductive Toxicology</i> , <b>2013</b> , 36, 88-97	3.4	63
126	Validation of freezing tissues and cells for analysis of DNA strand break levels by comet assay. <i>Mutagenesis</i> , <b>2013</b> , 28, 699-707	2.8	63
125	Peroxisome proliferator-activated [corrected] receptor-gamma2 [corrected] Pro12Ala, interaction with alcohol intake and NSAID use, in relation to risk of breast cancer in a prospective study of Danes. <i>Carcinogenesis</i> , <b>2007</b> , 28, 427-34	4.6	63
124	Acute and subacute pulmonary toxicity and mortality in mice after intratracheal instillation of ZnO nanoparticles in three laboratories. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 85, 84-95	4.7	62
123	DNA damage following pulmonary exposure by instillation to low doses of carbon black (Printex 90) nanoparticles in mice. <i>Environmental and Molecular Mutagenesis</i> , <b>2015</b> , 56, 41-9	3.2	62
122	XPA A23G, XPC Lys939Gln, XPD Lys751Gln and XPD Asp312Asn polymorphisms, interactions with smoking, alcohol and dietary factors, and risk of colorectal cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2007</b> , 619, 68-80	3.3	62
121	No cytotoxicity or genotoxicity of graphene and graphene oxide in murine lung epithelial FE1 cells in vitro. <i>Environmental and Molecular Mutagenesis</i> , <b>2016</b> , 57, 469-82	3.2	62
120	Prospective study of interaction between alcohol, NSAID use and polymorphisms in genes involved in the inflammatory response in relation to risk of colorectal cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2007</b> , 624, 88-100	3.3	61
119	XRCC3 polymorphisms and risk of lung cancer. <i>Cancer Letters</i> , <b>2004</b> , 213, 67-72	9.9	60
118	Polymorphisms in COX-2, NSAID use and risk of basal cell carcinoma in a prospective study of Danes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2007</b> , 617, 138-46	3.3	59
117	Mutation spectrum in FE1-MUTA(TM) Mouse lung epithelial cells exposed to nanoparticulate carbon black. <i>Environmental and Molecular Mutagenesis</i> , <b>2011</b> , 52, 331-7	3.2	57
116	K-ras mutations in sinonasal adenocarcinomas in patients occupationally exposed to wood or leather dust. <i>Cancer Letters</i> , <b>1998</b> , 126, 59-65	9.9	57
115	Effects of lung exposure to carbon nanotubes on female fertility and pregnancy. A study in mice. <i>Reproductive Toxicology</i> , <b>2013</b> , 41, 86-97	3.4	56

114	K-ras mutations in sinonasal cancers in relation to wood dust exposure. <i>BMC Cancer</i> , <b>2008</b> , 8, 53	4.8	53
113	Diesel exhaust particles are mutagenic in FE1-MutaMouse lung epithelial cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2008</b> , 641, 54-7	3.3	53
112	Urinary 1-hydroxypyrene and mutagenicity in bus drivers and mail carriers exposed to urban air pollution in Denmark. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2004</b> , 557, 7-17	3	52
111	Changes in cholesterol homeostasis and acute phase response link pulmonary exposure to multi-walled carbon nanotubes to risk of cardiovascular disease. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 283, 210-22	4.6	51
110	Multi-walled carbon nanotube-physicochemical properties predict the systemic acute phase response following pulmonary exposure in mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174167	3.7	50
109	Airway irritation, inflammation, and toxicity in mice following inhalation of metal oxide nanoparticles. <i>Nanotoxicology</i> , <b>2016</b> , 10, 1254-62	5.3	49
108	Prenatal exposure to carbon black (printex 90): effects on sexual development and neurofunction. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2011</b> , 109, 434-7	3.1	49
107	Mutations in TP53 tumor suppressor gene in wood dust-related sinonasal cancer. <i>International Journal of Cancer</i> , <b>2010</b> , 127, 578-88	7.5	49
106	Cytokine expression in mice exposed to diesel exhaust particles by inhalation. Role of tumor necrosis factor. <i>Particle and Fibre Toxicology</i> , <b>2006</b> , 3, 4	8.4	49
105	No association between base excision repair gene polymorphisms and risk of lung cancer. <i>Biochemical Genetics</i> , <b>2004</b> , 42, 453-60	2.4	49
104	Maternal inhalation of surface-coated nanosized titanium dioxide (UV-Titan) in C57BL/6 mice: effects in prenatally exposed offspring on hepatic DNA damage and gene expression. <i>Nanotoxicology</i> , <b>2013</b> , 7, 85-96	5.3	48
103	Multi-walled carbon nanotube-induced genotoxic, inflammatory and pro-fibrotic responses in mice: Investigating the mechanisms of pulmonary carcinogenesis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2017</b> , 823, 28-44	3	48
102	Transcriptional profiling identifies physicochemical properties of nanomaterials that are determinants of the in vivo pulmonary response. <i>Environmental and Molecular Mutagenesis</i> , <b>2015</b> , 56, 245-64	3.2	48
101	Physicochemical predictors of Multi-Walled Carbon Nanotube-induced pulmonary histopathology and toxicity one year after pulmonary deposition of 11 different Multi-Walled Carbon Nanotubes in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2019</b> , 124, 211-227	3.1	48
100	Gene expression profiling to identify potentially relevant disease outcomes and support human health risk assessment for carbon black nanoparticle exposure. <i>Toxicology</i> , <b>2013</b> , 303, 83-93	4.4	46
99	Biodistribution of Carbon Nanotubes in Animal Models. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2017</b> , 121 Suppl 3, 30-43	3.1	46
98	Seasonal variation of DNA damage and repair in patients with non-melanoma skin cancer and referents with and without psoriasis. <i>Mutation Research DNA Repair</i> , <b>1998</b> , 407, 25-34		46
97	Comparative hazard identification by a single dose lung exposure of zinc oxide and silver nanomaterials in mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126934	3.7	45

96	DNA damage in rats after a single oral exposure to diesel exhaust particles. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2008</b> , 637, 49-55	3.3	45
95	Reductive metabolism and protein binding of chromium(VI) by P450 protein enzymes. <i>Carcinogenesis</i> , <b>1991</b> , 12, 825-31	4.6	44
94	Inhalation of ozone induces DNA strand breaks and inflammation in mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2002</b> , 520, 63-71	3	43
93	Carbon black nanoparticle intratracheal installation results in large and sustained changes in the expression of miR-135b in mouse lung. <i>Environmental and Molecular Mutagenesis</i> , <b>2012</b> , 53, 462-8	3.2	42
92	Oxidative DNA damage in vitamin C-supplemented guinea pigs after intratracheal instillation of diesel exhaust particles. <i>Toxicology and Applied Pharmacology</i> , <b>2003</b> , 189, 39-44	4.6	42
91	Lack of acute phase response in the livers of mice exposed to diesel exhaust particles or carbon black by inhalation. <i>Particle and Fibre Toxicology</i> , <b>2009</b> , 6, 12	8.4	41
90	Inflammatory response and genotoxicity of seven wood dusts in the human epithelial cell line A549. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2007</b> , 632, 78-88	3	41
89	DNA strand breaks, acute phase response and inflammation following pulmonary exposure by instillation to the diesel exhaust particle NIST1650b in mice. <i>Mutagenesis</i> , <b>2015</b> , 30, 499-507	2.8	40
88	Carbon black nanoparticles induce biphasic gene expression changes associated with inflammatory responses in the lungs of C57BL/6 mice following a single intratracheal instillation. <i>Toxicology and Applied Pharmacology</i> , <b>2015</b> , 289, 573-88	4.6	40
87	Polymorphisms in the genes ERCC2, XRCC3 and CD3EAP influence treatment outcome in multiple myeloma patients undergoing autologous bone marrow transplantation. <i>International Journal of Cancer</i> , <b>2007</b> , 120, 1036-45	7.5	40
86	Lung carcinoma and malignant mesothelioma in patients exposed to Thorotrast: incidence, histology and p53 status. <i>International Journal of Cancer</i> , <b>1995</b> , 63, 330-6	7.5	40
85	Meta-analysis of transcriptomic responses as a means to identify pulmonary disease outcomes for engineered nanomaterials. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 25	8.4	39
84	An experimental protocol for maternal pulmonary exposure in developmental toxicology. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2011</b> , 108, 202-7	3.1	39
83	Disposition and metabolism of the food mutagen 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) in rats. <i>Carcinogenesis</i> , <b>1989</b> , 10, 1269-75	4.6	39
82	Repeated inhalations of diesel exhaust particles and oxidatively damaged DNA in young oxoguanine DNA glycosylase (OGG1) deficient mice. <i>Free Radical Research</i> , <b>2007</b> , 41, 172-81	4	38
81	Effect of polymorphisms in XPD, RAI, ASE-1 and ERCC1 on the risk of basal cell carcinoma among Caucasians after age 50. <i>Cancer Detection and Prevention</i> , <b>2005</b> , 29, 209-14		38
80	Low DNA repair is a risk factor in skin carcinogenesis: a study of basal cell carcinoma in psoriasis patients. <i>Mutation Research DNA Repair</i> , <b>1999</b> , 433, 15-22		38
79	The NFKB1 ATTG ins/del polymorphism and risk of coronary heart disease in three independent populations. <i>Atherosclerosis</i> , <b>2011</b> , 219, 200-4	3.1	37

78	Chromatin structure studied by linear dichroism at different salt concentrations. <i>Biopolymers</i> , <b>1982</b> , 21, 343-58	2.2	37
77	Genotoxicity, inflammation and physico-chemical properties of fine particle samples from an incineration energy plant and urban air. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2007</b> , 633, 95-111	3	36
76	A rapid and sensitive method for determination of covalent binding of benzo[a]pyrene to proteins. <i>Chemico-Biological Interactions</i> , <b>1981</b> , 38, 109-18	5	36
75	Mutagenicity of 2-amino-3-methylimidazo[4,5-f]quinoline in colon and liver of Big Blue rats: role of DNA adducts, strand breaks, DNA repair and oxidative stress. <i>Carcinogenesis</i> , <b>2002</b> , 23, 1379-85	4.6	35
74	Promise and peril in nanomedicine: the challenges and needs for integrated systems biology approaches to define health risk. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2018</b> , 10, e1465	9.2	34
73	Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice. <i>Toxicology</i> , <b>2016</b> , 371, 29-40	4.4	34
72	Epoxy composite dusts with and without carbon nanotubes cause similar pulmonary responses, but differences in liver histology in mice following pulmonary deposition. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 37	8.4	34
71	The effect of dose and enzyme inducers on the metabolism of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) in rats. <i>Carcinogenesis</i> , <b>1991</b> , 12, 2291-5	4.6	34
70	Stat-6 signaling pathway and not Interleukin-1 mediates multi-walled carbon nanotube-induced lung fibrosis in mice: insights from an adverse outcome pathway framework. <i>Particle and Fibre Toxicology</i> , <b>2017</b> , 14, 37	8.4	33
69	Nanomaterial grouping: Existing approaches and future recommendations. <i>NanoImpact</i> , <b>2019</b> , 16, 1001836	3.6	32
68	COX-2 and p53 in human sinonasal cancer: COX-2 expression is associated with adenocarcinoma histology and wood-dust exposure. <i>International Journal of Cancer</i> , <b>2008</b> , 122, 2154-9	7.5	32
67	DNA damage in lung after oral exposure to diesel exhaust particles in Big Blue rats. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2004</b> , 550, 123-32	3.3	31
66	Psoriasis patients with basal cell carcinoma have more repair-mediated DNA strand-breaks after UVC damage in lymphocytes than psoriasis patients without basal cell carcinoma. <i>Cancer Letters</i> , <b>2000</b> , 151, 187-92	9.9	31
65	Surface modification does not influence the genotoxic and inflammatory effects of TiO <sub>2</sub> nanoparticles after pulmonary exposure by instillation in mice. <i>Mutagenesis</i> , <b>2017</b> , 32, 47-57	2.8	30
64	Influence of dispersion medium on nanomaterial-induced pulmonary inflammation and DNA strand breaks: investigation of carbon black, carbon nanotubes and three titanium dioxide nanoparticles. <i>Mutagenesis</i> , <b>2017</b> , 32, 581-597	2.8	30
63	Pulmonary effects of nanofibrillated celluloses in mice suggest that carboxylation lowers the inflammatory and acute phase responses. <i>Environmental Toxicology and Pharmacology</i> , <b>2019</b> , 66, 116-125 <sup>5.8</sup>	5.8	29
62	Cytotoxicity, oxidative stress and expression of adhesion molecules in human umbilical vein endothelial cells exposed to dust from paints with or without nanoparticles. <i>Nanotoxicology</i> , <b>2013</b> , 7, 117-34	5.3	29
61	High volume electrostatic field-sampler for collection of fine particle bulk samples. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 369-381	5.3	29



60	Effects of polymorphisms in ERCC1, ASE-1 and RAI on the risk of colorectal carcinomas and adenomas: a case control study. <i>BMC Cancer</i> , <b>2006</b> , 6, 175	4.8	29
59	Prenatal exposure to diesel exhaust particles and effect on the male reproductive system in mice. <i>Toxicology</i> , <b>2009</b> , 264, 61-8	4.4	27
58	A strong genotoxic effect in mouse skin of a single painting of coal tar in hairless mice and in MutaMouse. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2000</b> , 468, 117-24	3	27
57	No association between the DNA repair gene XRCC3 T241M polymorphism and risk of skin cancer and breast cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2003</b> , 12, 584-5	4	27
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36	Identification of Gene Transcription Start Sites and Enhancers Responding to Pulmonary Carbon Nanotube Exposure in Vivo. <i>ACS Nano</i> , <b>2017</b> , 11, 3597-3613	16.7	17
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