Peter Mller

List of Publications by Citations

195 papers	11,220 citations	61 h-index	98 g-index
203 ext. papers	12,512 ext. citations	5 avg, IF	6.36 L-index

#	Paper	IF	Citations
195	Oxidative stress-induced DNA damage by particulate air pollution. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2005**, 592, 119-37	3.3	579
194	Genotoxicity, cytotoxicity, and reactive oxygen species induced by single-walled carbon nanotubes and C(60) fullerenes in the FE1-Mutatrade markMouse lung epithelial cells. *Environmental and Molecular Mutagenesis*, **2008**, 49, 476-87	3.2	311
193	Role of oxidative damage in toxicity of particulates. *Free Radical Research*, **2010**, 44, 1-46	4	307
192	Lung inflammation and genotoxicity following pulmonary exposure to nanoparticles in ApoE-/- mice. *Particle and Fibre Toxicology*, **2009**, 6, 2	8.4	233
191	In vivo toxicity of cationic micelles and liposomes. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 467-77	6	218
190	Nanomaterials Versus Ambient Ultrafine Particles: An Opportunity to Exchange Toxicology Knowledge. *Environmental Health Perspectives*, **2017**, 125, 106002	8.4	210
189	Personal exposure to ultrafine particles and oxidative DNA damage. *Environmental Health Perspectives*, **2005**, 113, 1485-90	8.4	203
188	Oxidative stress and inflammation generated DNA damage by exposure to air pollution particles. *Mutation Research - Reviews in Mutation Research*, **2014**, 762, 133-66	7	192
187	Oxidatively damaged DNA in rats exposed by oral gavage to C60 fullerenes and single-walled carbon nanotubes. *Environmental Health Perspectives*, **2009**, 117, 703-8	8.4	191
186	The alkaline comet assay: towards validation in biomonitoring of DNA damaging exposures. *Basic and Clinical Pharmacology and Toxicology*, **2006**, 98, 336-45	3.1	180
185	Acute hypoxia and hypoxic exercise induce DNA strand breaks and oxidative DNA damage in humans. *FASEB Journal*, **2001**, 15, 1181-6	0.9	176
184	Exposure to ultrafine particles from ambient air and oxidative stress-induced DNA damage. *Environmental Health Perspectives*, **2007**, 115, 1177-82	8.4	175
183	Air pollution, oxidative damage to DNA, and carcinogenesis. *Cancer Letters*, **2008**, 266, 84-97	9.9	171
182	Oxidative stress, DNA damage, and inflammation induced by ambient air and wood smoke particulate matter in human A549 and THP-1 cell lines. *Chemical Research in Toxicology*, **2011**, 24, 168-84	4	169
181	Oxidative damage to DNA and lipids as biomarkers of exposure to air pollution. *Environmental Health Perspectives*, **2010**, 118, 1126-36	8.4	164
180	The comet assay as a tool for human biomonitoring studies: the ComNet project. *Mutation Research - Reviews in Mutation Research*, **2014**, 759, 27-39	7	159
179	Prospective study of 8-oxo-7,8-dihydro-2Ŧdeoxyguanosine excretion and the risk of lung cancer. *Carcinogenesis*, **2006**, 27, 1245-50	4.6	140

178	Carbon black nanoparticle instillation induces sustained inflammation and genotoxicity in mouse lung and liver. *Particle and Fibre Toxicology*, **2012**, 9, 5	8.4	132
177	Variation in the measurement of DNA damage by comet assay measured by the ECVAG inter-laboratory validation trial. *Mutagenesis*, **2010**, 25, 113-23	2.8	129
176	Genotoxic potential of the perfluorinated chemicals PFOA, PFOS, PFBS, PFNA and PFHxA in human HepG2 cells. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2010**, 700, 39-43	3	127
175	Assessment of reference values for DNA damage detected by the comet assay in human blood cell DNA. *Mutation Research - Reviews in Mutation Research*, **2006**, 612, 84-104	7	123
174	Oxidative damage to DNA and repair induced by Norwegian wood smoke particles in human A549 and THP-1 cell lines. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2009**, 674, 116-22	3	121
173	Increased mutant frequency by carbon black, but not quartz, in the lacZ and cII transgenes of muta mouse lung epithelial cells. *Environmental and Molecular Mutagenesis*, **2007**, 48, 451-61	3.2	119
172	Pulmonary exposure to carbon black by inhalation or instillation in pregnant mice: effects on liver DNA strand breaks in dams and offspring. *Nanotoxicology*, **2012**, 6, 486-500	5.3	118
171	Dietary antioxidants and beneficial effect on oxidatively damaged DNA. *Free Radical Biology and Medicine*, **2006**, 41, 388-415	7.8	109
170	Human and methodological sources of variability in the measurement of urinary 8-oxo-7,8-dihydro-2Ŧdeoxyguanosine. *Antioxidants and Redox Signaling*, **2013**, 18, 2377-91	8.4	107
169	Inflammatory and genotoxic effects of nanoparticles designed for inclusion in paints and lacquers. *Nanotoxicology*, **2012**, 6, 453-71	5.3	104
168	Nanomaterial translocation--the biokinetics, tissue accumulation, toxicity and fate of materials in secondary organs--a review. *Critical Reviews in Toxicology*, **2015**, 45, 837-72	5.7	102
167	Oxidative DNA damage in human white blood cells in dietary antioxidant intervention studies. *American Journal of Clinical Nutrition*, **2002**, 76, 303-10	7	102
166	Oxidative DNA damage and defence gene expression in the mouse lung after short-term exposure to diesel exhaust particles by inhalation. *Carcinogenesis*, **2003**, 24, 1847-52	4.6	101
165	Biologically relevant oxidants and terminology, classification and nomenclature of oxidatively generated damage to nucleobases and 2-deoxyribose in nucleic acids. *Free Radical Research*, **2012**, 46, 367-81	4	97
164	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Health--ENPRA Project--The Highlights, Limitations, and Current and Future Challenges. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2016**, 19, 1-28	8.6	96
163	Aging and oxidatively damaged nuclear DNA in animal organs. *Free Radical Biology and Medicine*, **2010**, 48, 1275-85	7.8	90
162	Oxidative stress, genotoxicity, and vascular cell adhesion molecule expression in cells exposed to particulate matter from combustion of conventional diesel and methyl ester biodiesel blends. *Environmental Science & Technology*, **2011**, 45, 8545-51	10.3	89
161	Hazard identification of particulate matter on vasomotor dysfunction and progression of atherosclerosis. *Critical Reviews in Toxicology*, **2011**, 41, 339-68	5.7	88

160	Vascular effects of multiwalled carbon nanotubes in dyslipidemic ApoE-/- mice and cultured endothelial cells. *Toxicological Sciences*, **2014**, 138, 104-16	4.4	86
159	An ECVAG trial on assessment of oxidative damage to DNA measured by the comet assay. *Mutagenesis*, **2010**, 25, 125-32	2.8	86
158	Interventions with antioxidants and nutrients in relation to oxidative DNA damage and repair. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2004**, 551, 79-89	3.3	83
157	Ultrafine particulate matter and high-level benzene urban air pollution in relation to oxidative DNA damage. *Carcinogenesis*, **2005**, 26, 613-20	4.6	83
156	Biomarkers of ambient air pollution and lung cancer: a systematic review. *Occupational and Environmental Medicine*, **2012**, 69, 619-27	2.1	82
155	Modest effect on plaque progression and vasodilatory function in atherosclerosis-prone mice exposed to nanosized TiO(2). *Particle and Fibre Toxicology*, **2011**, 8, 32	8.4	81
154	Pulmonary exposure to carbon black nanoparticles and vascular effects. *Particle and Fibre Toxicology*, **2010**, 7, 33	8.4	81
153	Role of oxidative stress in carbon nanotube-generated health effects. *Archives of Toxicology*, **2014**, 88, 1939-64	5.8	79
152	Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. *Nature Protocols*, **2020**, 15, 3817-3826	18.8	79
151	Diesel exhaust particles induce endothelial dysfunction in apoE-/- mice. *Toxicology and Applied Pharmacology*, **2007**, 219, 24-32	4.6	76
150	Vitamin C supplementation decreases oxidative DNA damage in mononuclear blood cells of smokers. *European Journal of Nutrition*, **2004**, 43, 267-74	5.2	76
149	Oxidative stress, inflammation, and DNA damage in rats after intratracheal instillation or oral exposure to ambient air and wood smoke particulate matter. *Toxicological Sciences*, **2010**, 118, 574-85	4.4	75
148	Sunlight-induced DNA damage in human mononuclear cells. *FASEB Journal*, **2002**, 16, 45-53	0.9	75
147	Role of microbiota-derived lipopolysaccharide in adipose tissue inflammation, adipocyte size and pyroptosis during obesity. *Nutrition Research Reviews*, **2018**, 31, 153-163	7	74
146	A single portion of blueberry (Vaccinium corymbosum L) improves protection against DNA damage but not vascular function in healthy male volunteers. *Nutrition Research*, **2013**, 33, 220-7	4	72
145	Assessment and reduction of comet assay variation in relation to DNA damage: studies from the European Comet Assay Validation Group. *Mutagenesis*, **2010**, 25, 109-11	2.8	72
144	Oxidative DNA damage and human cancer: need for cohort studies. *Antioxidants and Redox Signaling*, **2006**, 8, 1021-31	8.4	72
143	An indoor air filtration study in homes of elderly: cardiovascular and respiratory effects of exposure to particulate matter. *Environmental Health*, **2013**, 12, 116	6	71

142	Inflammatory and genotoxic effects of sanding dust generated from nanoparticle-containing paints and lacquers. *Nanotoxicology*, **2012**, 6, 776-88	5.3	70
141	Controlled human wood smoke exposure: oxidative stress, inflammation and microvascular function. *Particle and Fibre Toxicology*, **2012**, 9, 7	8.4	69
140	Cardiovascular and lung function in relation to outdoor and indoor exposure to fine and ultrafine particulate matter in middle-aged subjects. *Environment International*, **2014**, 73, 372-81	12.9	66
139	Evaluating the mechanistic evidence and key data gaps in assessing the potential carcinogenicity of carbon nanotubes and nanofibers in humans. *Critical Reviews in Toxicology*, **2017**, 47, 1-58	5.7	65
138	Antioxidant vitamins and cancer risk: is oxidative damage to DNA a relevant biomarker?. *European Journal of Nutrition*, **2008**, 47 Suppl 2, 19-28	5.2	65
137	Inter-laboratory variation in DNA damage using a standard comet assay protocol. *Mutagenesis*, **2012**, 27, 665-72	2.8	64
136	Oxidatively damaged DNA and its repair after experimental exposure to wood smoke in healthy humans. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2008**, 642, 37-42	3.3	63
135	Acute and subacute pulmonary toxicity and mortality in mice after intratracheal instillation of ZnO nanoparticles in three laboratories. *Food and Chemical Toxicology*, **2015**, 85, 84-95	4.7	62
134	An ECVAG inter-laboratory validation study of the comet assay: inter-laboratory and intra-laboratory variations of DNA strand breaks and FPG-sensitive sites in human mononuclear cells. *Mutagenesis*, **2013**, 28, 279-86	2.8	61
133	Hepatic toxicology following single and multiple exposure of engineered nanomaterials utilising a novel primary human 3D liver microtissue model. *Particle and Fibre Toxicology*, **2014**, 11, 56	8.4	61
132	Effect of vitamin C and iron chelation on diesel exhaust particle and carbon black induced oxidative damage and cell adhesion molecule expression in human endothelial cells. *Toxicology Letters*, **2011**, 203, 181-9	4.4	61
131	Oxidatively damaged DNA in animals exposed to particles. *Critical Reviews in Toxicology*, **2013**, 43, 96-118	5.7	59
130	Oxidative DNA damage in circulating mononuclear blood cells after ingestion of blackcurrant juice or anthocyanin-rich drink. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2004**, 551, 119-26	3.3	59
129	Mutation spectrum in FE1-MUTA(TM) Mouse lung epithelial cells exposed to nanoparticulate carbon black. *Environmental and Molecular Mutagenesis*, **2011**, 52, 331-7	3.2	57
128	Oxidative damage to DNA by diesel exhaust particle exposure in co-cultures of human lung epithelial cells and macrophages. *Mutagenesis*, **2012**, 27, 693-701	2.8	55
127	X-ray-induced oxidative stress: DNA damage and gene expression of HO-1, ERCC1 and OGG1 in mouse lung. *Free Radical Research*, **2003**, 37, 957-66	4	55
126	Association between 8-oxo-7,8-dihydroguanine excretion and risk of lung cancer in a prospective study. *Free Radical Biology and Medicine*, **2012**, 52, 167-72	7.8	54
125	Oxidatively damaged DNA and inflammation in the liver of dyslipidemic ApoE-/- mice exposed to diesel exhaust particles. *Toxicology*, **2007**, 237, 134-144	4.4	54

124	Measurement of oxidative damage to DNA in nanomaterial exposed cells and animals. *Environmental and Molecular Mutagenesis*, **2015**, 56, 97-110	3.2	53
123	Diesel exhaust particles are mutagenic in FE1-MutaMouse lung epithelial cells. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2008**, 641, 54-7	3.3	53
122	Carbon black nanoparticles and vascular dysfunction in cultured endothelial cells and artery segments. *Toxicology Letters*, **2012**, 214, 19-26	4.4	52
121	Association between 8-oxo-7,8-dihydro-2′-deoxyguanosine excretion and risk of postmenopausal breast cancer: nested case-control study. *Cancer Epidemiology Biomarkers and Prevention*, **2013**, 22, 1289-96	4	52
120	DNA damage and repair activity after broccoli intake in young healthy smokers. *Mutagenesis*, **2010**, 25, 595-602	2.8	52
119	Indoor and outdoor exposure to ultrafine, fine and microbiologically derived particulate matter related to cardiovascular and respiratory effects in a panel of elderly urban citizens. *International Journal of Environmental Research and Public Health*, **2015**, 12, 1667-86	4.6	51
118	Uptake of gold nanoparticles in primary human endothelial cells. *Toxicology Research*, **2015**, 4, 655-666	2.6	51
117	Expression of adhesion molecules, monocyte interactions and oxidative stress in human endothelial cells exposed to wood smoke and diesel exhaust particulate matter. *Toxicology Letters*, **2012**, 209, 121-8	4.4	51
116	Urinary excretion of 8-oxo-7,8-dihydroguanine as biomarker of oxidative damage to DNA. *Archives of Biochemistry and Biophysics*, **2012**, 518, 142-50	4.1	51
115	Recommendations for standardized description of and nomenclature concerning oxidatively damaged nucleobases in DNA. *Chemical Research in Toxicology*, **2010**, 23, 705-7	4	51
114	The comet assay: ready for 30 more years. *Mutagenesis*, **2018**, 33, 1-7	2.8	50
113	Synergistic effects of zinc oxide nanoparticles and Fatty acids on toxicity to caco-2 cells. *International Journal of Toxicology*, **2015**, 34, 67-76	2.4	49
112	Variation in assessment of oxidatively damaged DNA in mononuclear blood cells by the comet assay with visual scoring. *Mutagenesis*, **2008**, 23, 223-31	2.8	49
111	Survey of air pollution in Cotonou, Benin--air monitoring and biomarkers. *Science of the Total Environment*, **2006**, 358, 85-96	10.2	49
110	Atherosclerosis and vasomotor dysfunction in arteries of animals after exposure to combustion-derived particulate matter or nanomaterials. *Critical Reviews in Toxicology*, **2016**, 46, 437-76	5.7	49
109	DNA damage and cytotoxicity in type II lung epithelial (A549) cell cultures after exposure to diesel exhaust and urban street particles. *Particle and Fibre Toxicology*, **2008**, 5, 6	8.4	48
108	Application of the comet assay in human biomonitoring: An hCOMET perspective. *Mutation Research - Reviews in Mutation Research*, **2020**, 783, 108288	7	48
107	Biodistribution of Carbon Nanotubes in Animal Models. *Basic and Clinical Pharmacology and Toxicology*, **2017**, 121 Suppl 3, 30-43	3.1	46

106	Seasonal variation of DNA damage and repair in patients with non-melanoma skin cancer and referents with and without psoriasis. *Mutation Research DNA Repair*, **1998**, 407, 25-34		46
105	OGG1 expression and OGG1 Ser326Cys polymorphism and risk of lung cancer in a prospective study. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2008**, 639, 45-54	3.3	46
104	Accumulation of lipids and oxidatively damaged DNA in hepatocytes exposed to particles. *Toxicology and Applied Pharmacology*, **2014**, 274, 350-60	4.6	45
103	DNA damage in rats after a single oral exposure to diesel exhaust particles. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2008**, 637, 49-55	3.3	45
102	DNA repair phenotype and dietary antioxidant supplementation. *British Journal of Nutrition*, **2008**, 99, 1018-24	3.6	44
101	Applications of the comet assay in particle toxicology: air pollution and engineered nanomaterials exposure. *Mutagenesis*, **2015**, 30, 67-83	2.8	43
100	Intra-laboratory comet assay sample scoring exercise for determination of formamidopyrimidine DNA glycosylase sites in human mononuclear blood cell DNA. *Free Radical Research*, **2004**, 38, 1207-14	4	43
99	Oxidative DNA damage in vitamin C-supplemented guinea pigs after intratracheal instillation of diesel exhaust particles. *Toxicology and Applied Pharmacology*, **2003**, 189, 39-44	4.6	42
98	Carbon black nanoparticles promote endothelial activation and lipid accumulation in macrophages independently of intracellular ROS production. *PLoS ONE*, **2014**, 9, e106711	3.7	41
97	Vascular and lung function related to ultrafine and fine particles exposure assessed by personal and indoor monitoring: a cross-sectional study. *Environmental Health*, **2014**, 13, 112	6	41
96	Lack of acute phase response in the livers of mice exposed to diesel exhaust particles or carbon black by inhalation. *Particle and Fibre Toxicology*, **2009**, 6, 12	8.4	41
95	Aging and defense against generation of 8-oxo-7,8-dihydro-2′-deoxyguanosine in DNA. *Free Radical Biology and Medicine*, **2009**, 47, 608-15	7.8	40
94	Searching for assay controls for the Fpg- and hOGG1-modified comet assay. *Mutagenesis*, **2018**, 33, 9-19	2.8	38
93	Repeated inhalations of diesel exhaust particles and oxidatively damaged DNA in young oxoguanine DNA glycosylase (OGG1) deficient mice. *Free Radical Research*, **2007**, 41, 172-81	4	38
92	Oxidatively damaged DNA in aging dyslipidemic ApoE-/- and wild-type mice. *Mutagenesis*, **2007**, 22, 105-10	2.8	38
91	Harmonising measurements of 8-oxo-7,8-dihydro-2′-deoxyguanosine in cellular DNA and urine. *Free Radical Research*, **2012**, 46, 541-53	4	36
90	The influence of flow, shear stress and adhesion molecule targeting on gold nanoparticle uptake in human endothelial cells. *Nanoscale*, **2015**, 7, 11409-19	7.7	35
89	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. *Carcinogenesis*, **2002**, 23, 1379-85	4.6	35

88	Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice. *Toxicology*, **2016**, 371, 29-40	4.4	34
87	Influence of the OGG1 Ser326Cys polymorphism on oxidatively damaged DNA and repair activity. *Free Radical Biology and Medicine*, **2012**, 52, 118-25	7.8	34
86	Weight of evidence analysis for assessing the genotoxic potential of carbon nanotubes. *Critical Reviews in Toxicology*, **2017**, 47, 867-884	5.7	33
85	Controlled exposure to diesel exhaust and traffic noise--Effects on oxidative stress and activation in mononuclear blood cells. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2015**, 775, 66-71	3.3	33
84	Endothelial cell activation, oxidative stress and inflammation induced by a panel of metal-based nanomaterials. *Nanotoxicology*, **2015**, 9, 813-24	5.3	33
83	Technical recommendations to perform the alkaline standard and enzyme-modified comet assay in human biomonitoring studies. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2019**, 843, 24-32	3	32
82	In vitro toxicity of cationic micelles and liposomes in cultured human hepatocyte (HepG2) and lung epithelial (A549) cell lines. *Toxicology in Vitro*, **2016**, 36, 164-171	3.6	31
81	Different effects of anthocyanins and phenolic acids from wild blueberry (Vaccinium angustifolium) on monocytes adhesion to endothelial cells in a TNF-α stimulated proinflammatory environment. *Molecular Nutrition and Food Research*, **2016**, 60, 2355-2366	5.9	31
80	Measurement of DNA damage with the comet assay in high-prevalence diseases: current status and future directions. *Mutagenesis*, **2020**, 35, 5-18	2.8	30
79	Monocyte adhesion induced by multi-walled carbon nanotubes and palmitic acid in endothelial cells and alveolar-endothelial co-cultures. *Nanotoxicology*, **2016**, 10, 235-44	5.3	29
78	Pulmonary exposure to particles from diesel exhaust, urban dust or single-walled carbon nanotubes and oxidatively damaged DNA and vascular function in apoE(-/-) mice. *Nanotoxicology*, **2014**, 8, 61-71	5.3	29
77	Cytotoxicity, oxidative stress and expression of adhesion molecules in human umbilical vein endothelial cells exposed to dust from paints with or without nanoparticles. *Nanotoxicology*, **2013**, 7, 117-34	5.3	29
76	On the search for an intelligible comet assay descriptor. *Frontiers in Genetics*, **2014**, 5, 217	4.5	28
75	Age and metabolic risk factors associated with oxidatively damaged DNA in human peripheral blood mononuclear cells. *Oncotarget*, **2015**, 6, 2641-53	3.3	28
74	DNA-repair measurements by use of the modified comet assay: an inter-laboratory comparison within the European Comet Assay Validation Group (ECVAG). *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2013**, 757, 60-7	3	27
73	DNA repair as a human biomonitoring tool: Comet assay approaches. *Mutation Research - Reviews in Mutation Research*, **2019**, 781, 71-87	7	26
72	Association between polycyclic aromatic hydrocarbon exposure and peripheral blood mononuclear cell DNA damage in human volunteers during fire extinction exercises. *Mutagenesis*, **2018**, 33, 105-115	2.8	26
71	Nanodelivery systems and stabilized solid-drug nanoparticles for orally administered medicine: current landscape. *International Journal of Nanomedicine*, **2018**, 13, 7575-7605	7.3	26

70	No effect of 600 grams fruit and vegetables per day on oxidative DNA damage and repair in healthy nonsmokers. *Cancer Epidemiology Biomarkers and Prevention*, **2003**, 12, 1016-22	4	26
69	Genotoxicity of environmental agents assessed by the alkaline comet assay. *Basic and Clinical Pharmacology and Toxicology*, **2005**, 96 Suppl 1, 1-42	3.1	26
68	Statistical analysis of comet assay results. *Frontiers in Genetics*, **2014**, 5, 292	4.5	25
67	Biomarkers of oxidative stress and inflammation after wood smoke exposure in a reconstructed Viking Age house. *Environmental and Molecular Mutagenesis*, **2014**, 55, 652-61	3.2	25
66	Modest vasomotor dysfunction induced by low doses of C60 fullerenes in apolipoprotein E knockout mice with different degree of atherosclerosis. *Particle and Fibre Toxicology*, **2009**, 6, 5	8.4	24
65	Nanomaterial-induced cell death in pulmonary and hepatic cells following exposure to three different metallic materials: The role of autophagy and apoptosis. *Nanotoxicology*, **2017**, 11, 184-200	5.3	23
64	Endothelial dysfunction in normal and prediabetic rats with metabolic syndrome exposed by oral gavage to carbon black nanoparticles. *Toxicological Sciences*, **2012**, 129, 98-107	4.4	23
63	Variation of DNA damage levels in peripheral blood mononuclear cells isolated in different laboratories. *Mutagenesis*, **2014**, 29, 241-9	2.8	22
62	High-fat but not sucrose intake is essential for induction of dyslipidemia and non-alcoholic steatohepatitis in guinea pigs. *Nutrition and Metabolism*, **2016**, 13, 51	4.6	21
61	Exposure to ultrafine particles, intracellular production of reactive oxygen species in leukocytes and altered levels of endothelial progenitor cells. *Toxicology*, **2016**, 359-360, 11-8	4.4	21
60	Hepatic Hazard Assessment of Silver Nanoparticle Exposure in Healthy and Chronically Alcohol Fed Mice. *Toxicological Sciences*, **2017**, 158, 176-187	4.4	20
59	Assessment of polycyclic aromatic hydrocarbon exposure, lung function, systemic inflammation, and genotoxicity in peripheral blood mononuclear cells from firefighters before and after a work shift. *Environmental and Molecular Mutagenesis*, **2018**, 59, 539-548	3.2	20
58	Telomere length and genotoxicity in the lung of rats following intragastric exposure to food-grade titanium dioxide and vegetable carbon particles. *Mutagenesis*, **2019**, 34, 203-214	2.8	19
57	Assessment of evidence for nanosized titanium dioxide-generated DNA strand breaks and oxidatively damaged DNA in cells and animal models. *Nanotoxicology*, **2017**, 11, 1237-1256	5.3	19
56	Telomere dynamics and cellular senescence: an emerging field in environmental and occupational toxicology. *Critical Reviews in Toxicology*, **2018**, 48, 761-788	5.7	19
55	Anthocyanins and phenolic acids from a wild blueberry (Vaccinium angustifolium) powder counteract lipid accumulation in THP-1-derived macrophages. *European Journal of Nutrition*, **2016**, 55, 171-82	5.2	18
54	Repair activity of oxidatively damaged DNA and telomere length in human lung epithelial cells after exposure to multi-walled carbon nanotubes. *Mutagenesis*, **2017**, 32, 173-180	2.8	18
53	Anthocyanins and metabolites resolve TNF-□mediated production of E-selectin and adhesion of monocytes to endothelial cells. *Chemico-Biological Interactions*, **2019**, 300, 49-55	5	18

52	Lung inflammation and genotoxicity in mice lungs after pulmonary exposure to candle light combustion particles. *Toxicology Letters*, **2017**, 276, 31-38	4.4	17
51	No oxidative stress or DNA damage in peripheral blood mononuclear cells after exposure to particles from urban street air in overweight elderly. *Mutagenesis*, **2015**, 30, 635-42	2.8	17
50	Association between age and repair of oxidatively damaged DNA in human peripheral blood mononuclear cells. *Mutagenesis*, **2015**, 30, 695-700	2.8	16
49	The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. *Mutation Research - Reviews in Mutation Research*, **2021**, 787, 108371	7	16
48	Health effects of exposure to diesel exhaust in diesel-powered trains. *Particle and Fibre Toxicology*, **2019**, 16, 21	8.4	15
47	Biomarkers of nucleic acid oxidation - A summary state-of-the-art. *Redox Biology*, **2021**, 42, 101872	11.3	15
46	Effect of age and sex on the level of DNA strand breaks and oxidatively damaged DNA in human blood cells. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2019**, 838, 16-21	3	15
45	Cardiovascular health effects following exposure of human volunteers during fire extinction exercises. *Environmental Health*, **2017**, 16, 96	6	14
44	Inflammation and Vascular Effects after Repeated Intratracheal Instillations of Carbon Black and Lipopolysaccharide. *PLoS ONE*, **2016**, 11, e0160731	3.7	14
43	Potassium bromate as positive assay control for the Fpg-modified comet assay. *Mutagenesis*, **2020**, 35, 341-348	2.8	13
42	Hepatic oxidative stress, genotoxicity and vascular dysfunction in lean or obese Zucker rats. *PLoS ONE*, **2015**, 10, e0118773	3.7	13
41	In vitro-in vivo correlations of pulmonary inflammogenicity and genotoxicity of MWCNT. *Particle and Fibre Toxicology*, **2021**, 18, 25	8.4	13
40	Hypoxia and oxidation levels of DNA and lipids in humans and animal experimental models. *IUBMB Life*, **2008**, 60, 707-23	4.7	12
39	Hazard assessment of small-size plastic particles: is the conceptual framework of particle toxicology useful?. *Food and Chemical Toxicology*, **2020**, 136, 111106	4.7	12
38	Inhalation of House Dust and Ozone Alters Systemic Levels of Endothelial Progenitor Cells, Oxidative Stress, and Inflammation in Elderly Subjects. *Toxicological Sciences*, **2018**, 163, 353-363	4.4	12
37	Dynamic regulation of cerebral DNA repair genes by psychological stress. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2015**, 778, 37-43	3	11
36	An optimized comet-based in vitro DNA repair assay to assess base and nucleotide excision repair activity. *Nature Protocols*, **2020**, 15, 3844-3878	18.8	11
35	The mechanism-based toxicity screening of particles with use in the food and nutrition sector via the ToxTracker reporter system. *Toxicology in Vitro*, **2019**, 61, 104594	3.6	10

34	Integrin Targeting and Toxicological Assessment of Peptide-Conjugated Liposome Delivery Systems to Activated Endothelial Cells. *Basic and Clinical Pharmacology and Toxicology*, **2017**, 120, 380-389	3.1	10
33	Heart rate response to hypoxic exercise: role of dopamine D2-receptors and effect of oxygen supplementation. *Clinical Science*, **2001**, 101, 377-383	6.5	10
32	Exposure to Air Pollution inside Electric and Diesel-Powered Passenger Trains. *Environmental Science & Technology*, **2019**, 53, 4579-4587	10.3	9
31	Inflammation, oxidative stress and genotoxicity responses to biodiesel emissions in cultured mammalian cells and animals. *Critical Reviews in Toxicology*, **2020**, 50, 383-401	5.7	9
30	Hepatic toxicity assessment of cationic liposome exposure in healthy and chronic alcohol fed mice. *Heliyon*, **2017**, 3, e00458	3.6	9
29	Vasomotor function in rat arteries after ex vivo and intragastric exposure to food-grade titanium dioxide and vegetable carbon particles. *Particle and Fibre Toxicology*, **2018**, 15, 12	8.4	8
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