

Peter Müller

List of Publications by Year in descending order

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199
papers

13,911
citations

12330

69
h-index

25787

108
g-index

203
all docs

203
docs citations

203
times ranked

14205
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative stress-induced DNA damage by particulate air pollution. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 592, 119-137.	1.0	707
2	Role of oxidative damage in toxicity of particulates. Free Radical Research, 2010, 44, 1-46.	3.3	361
3	Genotoxicity, cytotoxicity, and reactive oxygen species induced by single-walled carbon nanotubes and C ₆₀ fullerenes in the F1 mouse lung epithelial cells. Environmental and Molecular Mutagenesis, 2008, 49, 476-487.	2.2	343
4	Nanomaterials Versus Ambient Ultrafine Particles: An Opportunity to Exchange Toxicology Knowledge. Environmental Health Perspectives, 2017, 125, 106002.	6.0	274
5	In vivo toxicity of cationic micelles and liposomes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 467-477.	3.3	271
6	Lung inflammation and genotoxicity following pulmonary exposure to nanoparticles in ApoE ^{-/-} mice. Particle and Fibre Toxicology, 2009, 6, 2.	6.2	269
7	Oxidative stress and inflammation generated DNA damage by exposure to air pollution particles. Mutation Research - Reviews in Mutation Research, 2014, 762, 133-166.	5.5	250
8	Personal Exposure to Ultrafine Particles and Oxidative DNA Damage. Environmental Health Perspectives, 2005, 113, 1485-1490.	6.0	233
9	The Alkaline Comet Assay: Towards Validation in Biomonitoring of DNA Damaging Exposures. Basic and Clinical Pharmacology and Toxicology, 2006, 98, 336-345.	2.5	222
10	Oxidatively Damaged DNA in Rats Exposed by Oral Gavage to C ₆₀ Fullerenes and Single-Walled Carbon Nanotubes. Environmental Health Perspectives, 2009, 117, 703-708.	6.0	215
11	Acute hypoxia and hypoxic exercise induce DNA strand breaks and oxidative DNA damage in humans. FASEB Journal, 2001, 15, 1181-1186.	0.5	211
12	Air pollution, oxidative damage to DNA, and carcinogenesis. Cancer Letters, 2008, 266, 84-97.	7.2	208
13	Exposure to Ultrafine Particles from Ambient Air and Oxidative Stress-Induced DNA Damage. Environmental Health Perspectives, 2007, 115, 1177-1182.	6.0	203
14	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, 168-184.	3.3	201
15	Oxidative Damage to DNA and Lipids as Biomarkers of Exposure to Air Pollution. Environmental Health Perspectives, 2010, 118, 1126-1136.	6.0	195
16	Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. Nature Protocols, 2020, 15, 3817-3826.	12.0	189
17	The comet assay as a tool for human biomonitoring studies: The ComNet Project. Mutation Research - Reviews in Mutation Research, 2014, 759, 27-39.	5.5	182
18	Prospective study of 8-oxo-7,8-dihydro-2-deoxyguanosine excretion and the risk of lung cancer. Carcinogenesis, 2006, 27, 1245-1250.	2.8	160

#	ARTICLE	IF	CITATIONS
19	Carbon black nanoparticle instillation induces sustained inflammation and genotoxicity in mouse lung and liver. <i>Particle and Fibre Toxicology</i> , 2012, 9, 5.	6.2	158
20	Variation in the measurement of DNA damage by comet assay measured by the ECVAG inter-laboratory validation trial. <i>Mutagenesis</i> , 2010, 25, 113-123.	2.6	155
21	Genotoxic potential of the perfluorinated chemicals PFOA, PFOS, PFBS, PFNA and PFHxA in human HepG2 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2010, 700, 39-43.	1.7	153
22	Assessment of reference values for DNA damage detected by the comet assay in human blood cell DNA. <i>Mutation Research - Reviews in Mutation Research</i> , 2006, 612, 84-104.	5.5	145
23	Role of microbiota-derived lipopolysaccharide in adipose tissue inflammation, adipocyte size and pyroptosis during obesity. <i>Nutrition Research Reviews</i> , 2018, 31, 153-163.	4.1	144
24	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> , 2012, 6, 486-500.	3.0	135
25	Nanomaterial translocation—the biokinetics, tissue accumulation, toxicity and fate of materials in secondary organs—a review. <i>Critical Reviews in Toxicology</i> , 2015, 45, 837-872.	3.9	134
26	Oxidative damage to DNA and repair induced by Norwegian wood smoke particles in human A549 and THP-1 cell lines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 674, 116-122.	1.7	131
27	Human and Methodological Sources of Variability in the Measurement of Urinary 8-Oxo-7,8-dihydro-2-deoxyguanosine. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2377-2391.	5.4	130
28	Dietary antioxidants and beneficial effect on oxidatively damaged DNA. <i>Free Radical Biology and Medicine</i> , 2006, 41, 388-415.	2.9	125
29	Increased mutant frequency by carbon black, but not quartz, in the lacZ and lacI transgenes of mutant mouse lung epithelial cells. <i>Environmental and Molecular Mutagenesis</i> , 2007, 48, 451-461.	2.2	125
30	Inflammatory and genotoxic effects of nanoparticles designed for inclusion in paints and lacquers. <i>Nanotoxicology</i> , 2012, 6, 453-471.	3.0	118
31	Biologically relevant oxidants and terminology, classification and nomenclature of oxidatively generated damage to nucleobases and 2-deoxyribose in nucleic acids. <i>Free Radical Research</i> , 2012, 46, 367-381.	3.3	114
32	Oxidative DNA damage and defence gene expression in the mouse lung after short-term exposure to diesel exhaust particles by inhalation. <i>Carcinogenesis</i> , 2003, 24, 1847-1852.	2.8	113
33	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> , 2016, 19, 1-28.	6.5	112
34	Oxidative DNA damage in human white blood cells in dietary antioxidant intervention studies. <i>American Journal of Clinical Nutrition</i> , 2002, 76, 303-310.	4.7	109
35	Ultrafine particulate matter and high-level benzene urban air pollution in relation to oxidative DNA damage. <i>Carcinogenesis</i> , 2004, 26, 613-620.	2.8	105
36	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. <i>Environmental Science & Technology</i> , 2011, 45, 8545-8551.	10.0	101

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37	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.	1.0	100
38	An ECVAG trial on assessment of oxidative damage to DNA measured by the comet assay. Mutagenesis, 2010, 25, 125-132.	2.6	99
39	Aging and oxidatively damaged nuclear DNA in animal organs. Free Radical Biology and Medicine, 2010, 48, 1275-1285.	2.9	99
40	Hazard identification of particulate matter on vasomotor dysfunction and progression of atherosclerosis. Critical Reviews in Toxicology, 2011, 41, 339-368.	3.9	99
41	Role of oxidative stress in carbon nanotube-generated health effects. Archives of Toxicology, 2014, 88, 1939-1964.	4.2	99
42	The comet assay: ready for 30 more years. Mutagenesis, 2018, 33, 1-7.	2.6	95
43	Application of the comet assay in human biomonitoring: An hCOMET perspective. Mutation Research - Reviews in Mutation Research, 2020, 783, 108288.	5.5	95
44	Vascular Effects of Multiwalled Carbon Nanotubes in Dyslipidemic ApoE ^{-/-} /A ^{-/-} Mice and Cultured Endothelial Cells. Toxicological Sciences, 2014, 138, 104-116.	3.1	94
45	Biomarkers of ambient air pollution and lung cancer: a systematic review. Occupational and Environmental Medicine, 2012, 69, 619-627.	2.8	92
46	An indoor air filtration study in homes of elderly: cardiovascular and respiratory effects of exposure to particulate matter. Environmental Health, 2013, 12, 116.	4.0	92
47	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, 574-585.	3.1	91
48	Assessment and reduction of comet assay variation in relation to DNA damage: studies from the European Comet Assay Validation Group. Mutagenesis, 2010, 25, 109-111.	2.6	87
49	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.	3.6	87
50	Vitamin C supplementation decreases oxidative DNA damage in mononuclear blood cells of smokers. European Journal of Nutrition, 2004, 43, 267-274.	3.9	86
51	Diesel exhaust particles induce endothelial dysfunction in apoE ^{-/-} /A ^{-/-} mice. Toxicology and Applied Pharmacology, 2007, 219, 24-32.	2.8	85
52	Pulmonary exposure to carbon black nanoparticles and vascular effects. Particle and Fibre Toxicology, 2010, 7, 33.	6.2	85
53	Modest effect on plaque progression and vasodilatory function in atherosclerosis-prone mice exposed to nanosized TiO ₂ . Particle and Fibre Toxicology, 2011, 8, 32.	6.2	85
54	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, 220-227.	2.9	85

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55	Cardiovascular and lung function in relation to outdoor and indoor exposure to fine and ultrafine particulate matter in middle-aged subjects. <i>Environment International</i> , 2014, 73, 372-381.	10.0	85
56	Sunlight-induced DNA damage in human mononuclear cells. <i>FASEB Journal</i> , 2002, 16, 45-53.	0.5	83
57	Evaluating the mechanistic evidence and key data gaps in assessing the potential carcinogenicity of carbon nanotubes and nanofibers in humans. <i>Critical Reviews in Toxicology</i> , 2017, 47, 1-58.	3.9	83
58	Inter-laboratory variation in DNA damage using a standard comet assay protocol. <i>Mutagenesis</i> , 2012, 27, 665-672.	2.6	79
59	Oxidative DNA Damage and Human Cancer: Need for Cohort Studies. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1021-1031.	5.4	78
60	Controlled human wood smoke exposure: oxidative stress, inflammation and microvascular function. <i>Particle and Fibre Toxicology</i> , 2012, 9, 7.	6.2	78
61	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. <i>Mutagenesis</i> , 2013, 28, 279-286.	2.6	78
62	Inflammatory and genotoxic effects of sanding dust generated from nanoparticle-containing paints and lacquers. <i>Nanotoxicology</i> , 2012, 6, 776-788.	3.0	77
63	Oxidative DNA damage in circulating mononuclear blood cells after ingestion of blackcurrant juice or anthocyanin-rich drink. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 551, 119-126.	1.0	75
64	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. <i>Toxicology Letters</i> , 2011, 203, 181-189.	0.8	75
65	Antioxidant vitamins and cancer risk: is oxidative damage to DNA a relevant biomarker?. <i>European Journal of Nutrition</i> , 2008, 47, 19-28.	3.9	72
66	Biodistribution of Carbon Nanotubes in Animal Models. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 30-43.	2.5	72
67	Oxidatively damaged DNA and its repair after experimental exposure to wood smoke in healthy humans. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 642, 37-42.	1.0	70
68	Hepatic toxicology following single and multiple exposure of engineered nanomaterials utilising a novel primary human 3D liver microtissue model. <i>Particle and Fibre Toxicology</i> , 2014, 11, 56.	6.2	70
69	X-ray-induced Oxidative Stress: DNA Damage and Gene Expression of HO-1 , ERCC1 and OGG1 in Mouse Lung. <i>Free Radical Research</i> , 2003, 37, 957-966.	3.3	70
70	Mutation spectrum in FE1-MUTA TM Mouse lung epithelial cells exposed to nanoparticulate carbon black. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 331-337.	2.2	66
71	Oxidative damage to DNA by diesel exhaust particle exposure in co-cultures of human lung epithelial cells and macrophages. <i>Mutagenesis</i> , 2012, 27, 693-701.	2.6	66
72	Oxidatively damaged DNA in animals exposed to particles. <i>Critical Reviews in Toxicology</i> , 2013, 43, 96-118.	3.9	64

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73	Measurement of oxidative damage to <scp>DNA</scp> in nanomaterial exposed cells and animals. Environmental and Molecular Mutagenesis, 2015, 56, 97-110.	2.2	64
74	DNA damage and repair activity after broccoli intake in young healthy smokers. Mutagenesis, 2010, 25, 595-602.	2.6	62
75	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, 1667-1686.	2.6	62
76	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.	3.7	61
77	Association between 8-oxo-7,8-dihydro-2-â€²-deoxyguanosine Excretion and Risk of Postmenopausal Breast Cancer: Nested Caseâ€“Control Study. Cancer Epidemiology Biomarkers and Prevention, 2013, 22, 1289-1296.	2.5	61
78	Association between 8-oxo-7,8-dihydroguanine excretion and risk of lung cancer in a prospective study. Free Radical Biology and Medicine, 2012, 52, 167-172.	2.9	60
79	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.	6.2	59
80	Accumulation of lipids and oxidatively damaged DNA in hepatocytes exposed to particles. Toxicology and Applied Pharmacology, 2014, 274, 350-360.	2.8	59
81	Survey of air pollution in Cotonou, Beninâ€”air monitoring and biomarkers. Science of the Total Environment, 2006, 358, 85-96.	8.0	58
82	Oxidatively damaged DNA and inflammation in the liver of dyslipidemic ApoEâ€”/â€” mice exposed to diesel exhaust particles. Toxicology, 2007, 237, 134-144.	4.2	58
83	Variation in assessment of oxidatively damaged DNA in mononuclear blood cells by the comet assay with visual scoring. Mutagenesis, 2008, 23, 223-231.	2.6	58
84	Carbon black nanoparticles and vascular dysfunction in cultured endothelial cells and artery segments. Toxicology Letters, 2012, 214, 19-26.	0.8	58
85	Synergistic Effects of Zinc Oxide Nanoparticles and Fatty Acids on Toxicity to Caco-2 Cells. International Journal of Toxicology, 2015, 34, 67-76.	1.2	58
86	Uptake of gold nanoparticles in primary human endothelial cells. Toxicology Research, 2015, 4, 655-666.	2.1	58
87	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.	1.7	58
88	Recommendations for Standardized Description of and Nomenclature Concerning Oxidatively Damaged Nucleobases in DNA. Chemical Research in Toxicology, 2010, 23, 705-707.	3.3	57
89	Urinary excretion of 8-oxo-7,8-dihydroguanine as biomarker of oxidative damage to DNA. Archives of Biochemistry and Biophysics, 2012, 518, 142-150.	3.0	57
90	Diesel exhaust particles are mutagenic in FE1-Mutaâ€”,â€“Mouse lung epithelial cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 641, 54-57.	1.0	56

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91	OGG1 expression and OGG1 Ser326Cys polymorphism and risk of lung cancer in a prospective study. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 639, 45-54.	1.0	55
92	Expression of adhesion molecules, monocyte interactions and oxidative stress in human endothelial cells exposed to wood smoke and diesel exhaust particulate matter. <i>Toxicology Letters</i> , 2012, 209, 121-128.	0.8	55
93	Intra-laboratory Comet Assay Sample Scoring Exercise for Determination of Formamidopyrimidine DNA Glycosylase Sites in Human Mononuclear Blood Cell DNA. <i>Free Radical Research</i> , 2004, 38, 1207-1214.	3.3	54
94	Applications of the comet assay in particle toxicology: air pollution and engineered nanomaterials exposure. <i>Mutagenesis</i> , 2015, 30, 67-83.	2.6	54
95	Atherosclerosis and vasomotor dysfunction in arteries of animals after exposure to combustion-derived particulate matter or nanomaterials. <i>Critical Reviews in Toxicology</i> , 2016, 46, 437-476.	3.9	54
96	DNA damage in rats after a single oral exposure to diesel exhaust particles. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 637, 49-55.	1.0	52
97	DNA repair phenotype and dietary antioxidant supplementation. <i>British Journal of Nutrition</i> , 2008, 99, 1018-1024.	2.3	51
98	Biomarkers of nucleic acid oxidation – A summary state-of-the-art. <i>Redox Biology</i> , 2021, 42, 101872.	9.0	51
99	Searching for assay controls for the Fpg- and hOGG1-modified comet assay. <i>Mutagenesis</i> , 2018, 33, 9-19.	2.6	50
100	Vascular and lung function related to ultrafine and fine particles exposure assessed by personal and indoor monitoring: a cross-sectional study. <i>Environmental Health</i> , 2014, 13, 112.	4.0	48
101	Repeated inhalations of diesel exhaust particles and oxidatively damaged DNA in young oxoguanine DNA glycosylase (OGG1) deficient mice. <i>Free Radical Research</i> , 2007, 41, 172-181.	3.3	47
102	Harmonising measurements of 8-oxo-7,8-dihydro-2-deoxyguanosine in cellular DNA and urine. <i>Free Radical Research</i> , 2012, 46, 541-553.	3.3	45
103	Carbon Black Nanoparticles Promote Endothelial Activation and Lipid Accumulation in Macrophages Independently of Intracellular ROS Production. <i>PLoS ONE</i> , 2014, 9, e106711.	2.5	45
104	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108371.	5.5	45
105	Aging and defense against generation of 8-oxo-7,8-dihydro-2-deoxyguanosine in DNA. <i>Free Radical Biology and Medicine</i> , 2009, 47, 608-615.	2.9	44
106	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> , 2009, 6, 12.	6.2	44
107	Oxidative DNA damage in vitamin C-supplemented guinea pigs after intratracheal instillation of diesel exhaust particles. <i>Toxicology and Applied Pharmacology</i> , 2003, 189, 39-44.	2.8	43
108	In vitro toxicity of cationic micelles and liposomes in cultured human hepatocyte (HepG2) and lung epithelial (A549) cell lines. <i>Toxicology in Vitro</i> , 2016, 36, 164-171.	2.4	42

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109	Measurement of DNA damage with the comet assay in high-prevalence diseases: current status and future directions. <i>Mutagenesis</i> , 2020, 35, 5-18.	2.6	41
110	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> , 2002, 23, 1379-1385.	2.8	40
111	The influence of flow, shear stress and adhesion molecule targeting on gold nanoparticle uptake in human endothelial cells. <i>Nanoscale</i> , 2015, 7, 11409-11419.	5.6	40
112	Controlled exposure to diesel exhaust and traffic noise – Effects on oxidative stress and activation in mononuclear blood cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 775, 66-71.	1.0	40
113	Weight of evidence analysis for assessing the genotoxic potential of carbon nanotubes. <i>Critical Reviews in Toxicology</i> , 2017, 47, 871-888.	3.9	40
114	DNA repair as a human biomonitoring tool: Comet assay approaches. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 71-87.	5.5	40
115	Oxidatively damaged DNA in aging dyslipidemic ApoE ^{-/-} and wild-type mice. <i>Mutagenesis</i> , 2007, 22, 105-110.	2.6	39
116	Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice. <i>Toxicology</i> , 2016, 371, 29-40.	4.2	39
117	Association between polycyclic aromatic hydrocarbon exposure and peripheral blood mononuclear cell DNA damage in human volunteers during fire extinction exercises. <i>Mutagenesis</i> , 2018, 33, 105-115.	2.6	39
118	In vitro-in vivo correlations of pulmonary inflammogenicity and genotoxicity of MWCNT. <i>Particle and Fibre Toxicology</i> , 2021, 18, 25.	6.2	39
119	Influence of the OGG1 Ser326Cys polymorphism on oxidatively damaged DNA and repair activity. <i>Free Radical Biology and Medicine</i> , 2012, 52, 118-125.	2.9	38
120	Endothelial cell activation, oxidative stress and inflammation induced by a panel of metal-based nanomaterials. <i>Nanotoxicology</i> , 2015, 9, 813-824.	3.0	38
121	DNA-repair measurements by use of the modified comet assay: An inter-laboratory comparison within the European Comet Assay Validation Group (ECVAG). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 757, 60-67.	1.7	37
122	Different effects of anthocyanins and phenolic acids from wild blueberry (<i>Vaccinium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (a) environment. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2355-2366.	3.3	37
123	On the search for an intelligible comet assay descriptor. <i>Frontiers in Genetics</i> , 2014, 5, 217.	2.3	36
124	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. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 539-548.	2.2	36
125	DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. <i>Scientific Reports</i> , 2021, 11, 16793.	3.3	36
126	Age and metabolic risk factors associated with oxidatively damaged DNA in human peripheral blood mononuclear cells. <i>Oncotarget</i> , 2015, 6, 2641-2653.	1.8	34

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127	Nanodelivery systems and stabilized solid-drug nanoparticles for orally administered medicine: current landscape. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7575-7605.	6.7	33
128	An optimized comet-based in vitro DNA repair assay to assess base and nucleotide excision repair activity. <i>Nature Protocols</i> , 2020, 15, 3844-3878.	12.0	33
129	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> , 2013, 7, 117-134.	3.0	32
130	Monocyte adhesion induced by multi-walled carbon nanotubes and palmitic acid in endothelial cells and alveolar endothelial co-cultures. <i>Nanotoxicology</i> , 2016, 10, 1-10.	3.0	32
131	Potassium bromate as positive assay control for the Fpg-modified comet assay. <i>Mutagenesis</i> , 2020, 35, 341-348.	2.6	32
132	Pulmonary exposure to particles from diesel exhaust, urban dust or single-walled carbon nanotubes and oxidatively damaged DNA and vascular function in apoE ^{-/-} mice. <i>Nanotoxicology</i> , 2014, 8, 61-71.	3.0	31
133	Telomere length and genotoxicity in the lung of rats following intragastric exposure to food-grade titanium dioxide and vegetable carbon particles. <i>Mutagenesis</i> , 2019, 34, 203-214.	2.6	31
134	Variation of DNA damage levels in peripheral blood mononuclear cells isolated in different laboratories. <i>Mutagenesis</i> , 2014, 29, 241-249.	2.6	30
135	Telomere dynamics and cellular senescence: an emerging field in environmental and occupational toxicology. <i>Critical Reviews in Toxicology</i> , 2018, 48, 761-788.	3.9	30
136	Statistical analysis of comet assay results. <i>Frontiers in Genetics</i> , 2014, 5, 292.	2.3	29
137	High-fat but not sucrose intake is essential for induction of dyslipidemia and non-alcoholic steatohepatitis in guinea pigs. <i>Nutrition and Metabolism</i> , 2016, 13, 51.	3.0	29
138	Hazard assessment of small-size plastic particles: is the conceptual framework of particle toxicology useful?. <i>Food and Chemical Toxicology</i> , 2020, 136, 111106.	3.6	29
139	Anthocyanins and metabolites resolve TNF- α -mediated production of E-selectin and adhesion of monocytes to endothelial cells. <i>Chemico-Biological Interactions</i> , 2019, 300, 49-55.	4.0	28
140	Telomere length in newborns is associated with exposure to low levels of air pollution during pregnancy. <i>Environment International</i> , 2021, 146, 106202.	10.0	28
141	Genotoxicity of environmental agents assessed by the alkaline comet assay. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005, 96 Suppl 1, 1-42.	2.5	28
142	Biomarkers of oxidative stress and inflammation after wood smoke exposure in a reconstructed Viking Age house. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 652-661.	2.2	27
143	Health effects of exposure to diesel exhaust in diesel-powered trains. <i>Particle and Fibre Toxicology</i> , 2019, 16, 21.	6.2	27
144	Endothelial Dysfunction in Normal and Prediabetic Rats With Metabolic Syndrome Exposed by Oral Gavage to Carbon Black Nanoparticles. <i>Toxicological Sciences</i> , 2012, 129, 98-107.	3.1	26

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145	No effect of 600 grams fruit and vegetables per day on oxidative DNA damage and repair in healthy nonsmokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2003, 12, 1016-22.	2.5	26
146	Exposure to ultrafine particles, intracellular production of reactive oxygen species in leukocytes and altered levels of endothelial progenitor cells. <i>Toxicology</i> , 2016, 359-360, 11-18.	4.2	25
147	Modest vasomotor dysfunction induced by low doses of C60 fullerenes in apolipoprotein E knockout mice with different degree of atherosclerosis. <i>Particle and Fibre Toxicology</i> , 2009, 6, 5.	6.2	24
148	Anthocyanins and phenolic acids from a wild blueberry (<i>Vaccinium angustifolium</i>) powder counteract lipid accumulation in THP-1-derived macrophages. <i>European Journal of Nutrition</i> , 2016, 55, 171-182.	3.9	24
149	Nanomaterial-induced cell death in pulmonary and hepatic cells following exposure to three different metallic materials: The role of autophagy and apoptosis. <i>Nanotoxicology</i> , 2017, 11, 184-200.	3.0	24
150	Assessment of evidence for nanosized titanium dioxide-generated DNA strand breaks and oxidatively damaged DNA in cells and animal models. <i>Nanotoxicology</i> , 2017, 11, 1237-1256.	3.0	24
151	Repair activity of oxidatively damaged DNA and telomere length in human lung epithelial cells after exposure to multi-walled carbon nanotubes. <i>Mutagenesis</i> , 2017, 32, 173-180.	2.6	24
152	Lung inflammation and genotoxicity in mice lungs after pulmonary exposure to candle light combustion particles. <i>Toxicology Letters</i> , 2017, 276, 31-38.	0.8	23
153	Inflammation, oxidative stress and genotoxicity responses to biodiesel emissions in cultured mammalian cells and animals. <i>Critical Reviews in Toxicology</i> , 2020, 50, 383-401.	3.9	23
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