

Steffen Loft

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

5,352
citations

61945

43
h-index

95218

68
g-index

118
all docs

118
docs citations

118
times ranked

8325
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Obstructive Pulmonary Disease and Long-Term Exposure to Traffic-related Air Pollution. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 455-461.	2.5	301
2	In vivo toxicity of cationic micelles and liposomes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 467-477.	1.7	271
3	Oxidative stress and inflammation generated DNA damage by exposure to air pollution particles. <i>Mutation Research - Reviews in Mutation Research</i> , 2014, 762, 133-166.	2.4	250
4	Acute hypoxia and hypoxic exercise induce DNA strand breaks and oxidative DNA damage in humans. <i>FASEB Journal</i> , 2001, 15, 1181-1186.	0.2	211
5	Oxidative DNA damage in human sperm influences time to pregnancy. <i>Human Reproduction</i> , 2003, 18, 1265-1272.	0.4	171
6	Role of microbiota-derived lipopolysaccharide in adipose tissue inflammation, adipocyte size and pyroptosis during obesity. <i>Nutrition Research Reviews</i> , 2018, 31, 153-163.	2.1	144
7	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.	1.9	134
8	Traffic air pollution and mortality from cardiovascular disease and all causes: a Danish cohort study. <i>Environmental Health</i> , 2012, 11, 60.	1.7	117
9	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.	2.9	112
10	Long-term exposure to fine particulate matter and incidence of diabetes in the Danish Nurse Cohort. <i>Environment International</i> , 2016, 91, 243-250.	4.8	106
11	Oxidative DNA damage in vivo: Relationship to age, plasma antioxidants, drug metabolism, glutathione-S-transferase activity and urinary creatinine excretion. <i>Free Radical Research</i> , 1998, 29, 565-571.	1.5	94
12	Physical Activity, Air Pollution, and the Risk of Asthma and Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 855-865.	2.5	94
13	An indoor air filtration study in homes of elderly: cardiovascular and respiratory effects of exposure to particulate matter. <i>Environmental Health</i> , 2013, 12, 116.	1.7	92
14	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.	4.8	85
15	Experimental study of oxidative DNA damage. <i>Free Radical Research</i> , 1998, 29, 525-539.	1.5	80
16	Oxidative DNA Damage and Human Cancer: Need for Cohort Studies. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1021-1031.	2.5	78
17	Personal exposure to PM2.5, black smoke and NO2 in Copenhagen: relationship to bedroom and outdoor concentrations covering seasonal variation. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2005, 15, 413-422.	1.8	74
18	Antioxidant vitamins and cancer risk: is oxidative damage to DNA a relevant biomarker?. <i>European Journal of Nutrition</i> , 2008, 47, 19-28.	1.8	72

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19	Ambient air pollution and primary liver cancer incidence in four European cohorts within the ESCAPE project. <i>Environmental Research</i> , 2017, 154, 226-233.	3.7	72
20	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.	2.8	70
21	Adherence to a Healthy Nordic Food Index Is Associated with a Lower Risk of Type-2 Diabetes – The Danish Diet, Cancer and Health Cohort Study. <i>Nutrients</i> , 2015, 7, 8633-8644.	1.7	65
22	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. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 1667-1686.	1.2	62
23	Association between 8-oxo-7,8-dihydro-2- ϵ -deoxyguanosine Excretion and Risk of Postmenopausal Breast Cancer: Nested Case-Control Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013, 22, 1289-1296.	1.1	61
24	Association between 8-oxo-7,8-dihydroguanine excretion and risk of lung cancer in a prospective study. <i>Free Radical Biology and Medicine</i> , 2012, 52, 167-172.	1.3	60
25	Accumulation of lipids and oxidatively damaged DNA in hepatocytes exposed to particles. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 350-360.	1.3	59
26	Methods to detect DNA damage by free radicals: relation to exercise. <i>Proceedings of the Nutrition Society</i> , 1999, 58, 1007-1014.	0.4	58
27	Oxidatively damaged DNA and inflammation in the liver of dyslipidemic ApoE ^{-/-} / α ¹ mice exposed to diesel exhaust particles. <i>Toxicology</i> , 2007, 237, 134-144.	2.0	58
28	Synergistic Effects of Zinc Oxide Nanoparticles and Fatty Acids on Toxicity to Caco-2 Cells. <i>International Journal of Toxicology</i> , 2015, 34, 67-76.	0.6	58
29	Uptake of gold nanoparticles in primary human endothelial cells. <i>Toxicology Research</i> , 2015, 4, 655-666.	0.9	58
30	Urinary excretion of 8-oxo-7,8-dihydroguanine as biomarker of oxidative damage to DNA. <i>Archives of Biochemistry and Biophysics</i> , 2012, 518, 142-150.	1.4	57
31	Long-term Exposure to Fine Particulate Matter and Breast Cancer Incidence in the Danish Nurse Cohort Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 428-430.	1.1	56
32	Applications of the comet assay in particle toxicology: air pollution and engineered nanomaterials exposure. <i>Mutagenesis</i> , 2015, 30, 67-83.	1.0	54
33	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.	1.9	54
34	Long-term exposure to air pollution and stroke incidence: A Danish Nurse cohort study. <i>Environment International</i> , 2020, 142, 105891.	4.8	54
35	Out-of-Hospital Cardiac Arrests and Outdoor Air Pollution Exposure in Copenhagen, Denmark. <i>PLoS ONE</i> , 2013, 8, e53684.	1.1	54
36	Does vitamin C have a pro-oxidant effect?. <i>Nature</i> , 1998, 395, 231-232.	13.7	53

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37	Assessment of impact of traffic-related air pollution on morbidity and mortality in Copenhagen Municipality and the health gain of reduced exposure. <i>Environment International</i> , 2018, 121, 973-980.	4.8	52
38	Searching for assay controls for the Fpg- and hOGG1-modified comet assay. <i>Mutagenesis</i> , 2018, 33, 9-19.	1.0	50
39	Residential exposure to traffic noise and risk of incident atrial fibrillation: A cohort study. <i>Environment International</i> , 2016, 92-93, 457-463.	4.8	49
40	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.	1.7	48
41	Iron-induced oxidative DNA damage in rat sperm cells in vivo and in vitro. <i>Free Radical Research</i> , 2000, 32, 75-83.	1.5	46
42	Controlled exposure to particulate matter from urban street air is associated with decreased vasodilation and heart rate variability in overweight and older adults. <i>Particle and Fibre Toxicology</i> , 2015, 12, 6.	2.8	46
43	Human exposure to traffic pollution. Experience from Danish studies. <i>Pure and Applied Chemistry</i> , 2001, 73, 137-145.	0.9	45
44	Carbon Black Nanoparticles Promote Endothelial Activation and Lipid Accumulation in Macrophages Independently of Intracellular ROS Production. <i>PLoS ONE</i> , 2014, 9, e106711.	1.1	45
45	Long-Term Exposure to Air Pollution and Incidence of Myocardial Infarction: A Danish Nurse Cohort Study. <i>Environmental Health Perspectives</i> , 2020, 128, 57003.	2.8	43
46	High fat diet induced oxidative DNA damage estimated by 8-oxo-7,8-dihydro-2'-deoxyguanosine excretion in rats. <i>Free Radical Research</i> , 1998, 29, 595-600.	1.5	42
47	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.	1.1	42
48	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.	0.4	40
49	Effects of Leisure Time and Transport-Related Physical Activities on the Risk of Incident and Recurrent Myocardial Infarction and Interaction With Traffic-Related Air Pollution: A Cohort Study. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	40
50	Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice. <i>Toxicology</i> , 2016, 371, 29-40.	2.0	39
51	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.	1.0	39
52	Endothelial cell activation, oxidative stress and inflammation induced by a panel of metal-based nanomaterials. <i>Nanotoxicology</i> , 2015, 9, 813-824.	1.6	38
53	Long-term exposure to ambient air pollution and incidence of brain tumours: The Danish Nurse Cohort. <i>NeuroToxicology</i> , 2016, 55, 122-130.	1.4	38
54	Dioxin-like exposures and effects on estrogenic and androgenic exposures and micronuclei frequency in mother-newborn pairs. <i>Environment International</i> , 2010, 36, 344-351.	4.8	37

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55	Different effects of anthocyanins and phenolic acids from wild blueberry (<i>Vaccinium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 507 environment. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2355-2366.	1.5	37
56	On the search for an intelligible comet assay descriptor. <i>Frontiers in Genetics</i> , 2014, 5, 217.	1.1	36
57	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.	0.9	36
58	Age and metabolic risk factors associated with oxidatively damaged DNA in human peripheral blood mononuclear cells. <i>Oncotarget</i> , 2015, 6, 2641-2653.	0.8	34
59	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.	1.6	32
60	Inhibition of oxidative DNA damage in vitro by extracts of Brussels sprouts. <i>Free Radical Research</i> , 2000, 33, 187-196.	1.5	31
61	Variation of DNA damage levels in peripheral blood mononuclear cells isolated in different laboratories. <i>Mutagenesis</i> , 2014, 29, 241-249.	1.0	30
62	Long-term exposure to air pollution and mortality in a Danish nationwide administrative cohort study: Beyond mortality from cardiopulmonary disease and lung cancer. <i>Environment International</i> , 2022, 164, 107241.	4.8	30
63	Plasma alkylresorcinol concentrations, biomarkers of whole-grain wheat and rye intake, in the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort. <i>British Journal of Nutrition</i> , 2014, 111, 1881-1890.	1.2	29
64	Statistical analysis of comet assay results. <i>Frontiers in Genetics</i> , 2014, 5, 292.	1.1	29
65	Exposure to ultrafine particles and respiratory hospitalisations in five European cities. <i>European Respiratory Journal</i> , 2016, 48, 674-682.	3.1	28
66	Residential Radon Exposure and Skin Cancer Incidence in a Prospective Danish Cohort. <i>PLoS ONE</i> , 2015, 10, e0135642.	1.1	27
67	Health effects of exposure to diesel exhaust in diesel-powered trains. <i>Particle and Fibre Toxicology</i> , 2019, 16, 21.	2.8	27
68	Metronidazole clearance: A one-sample method and influencing factors. <i>Clinical Pharmacology and Therapeutics</i> , 1988, 43, 420-428.	2.3	26
69	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.	2.0	25
70	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.	1.8	24
71	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.	1.6	24
72	Long-term exposure to ambient air pollution and road traffic noise and asthma incidence in adults: The Danish Nurse cohort. <i>Environment International</i> , 2021, 152, 106464.	4.8	24

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73	Lung inflammation and genotoxicity in mice lungs after pulmonary exposure to candle light combustion particles. <i>Toxicology Letters</i> , 2017, 276, 31-38.	0.4	23
74	Occupational Exposure to Ultrafine Particles among Airport Employees - Combining Personal Monitoring and Global Positioning System. <i>PLoS ONE</i> , 2014, 9, e106671.	1.1	22
75	Association between age and repair of oxidatively damaged DNA in human peripheral blood mononuclear cells. <i>Mutagenesis</i> , 2015, 30, 695-700.	1.0	22
76	Hepatic Hazard Assessment of Silver Nanoparticle Exposure in Healthy and Chronically Alcohol Fed Mice. <i>Toxicological Sciences</i> , 2017, 158, 176-187.	1.4	22
77	Long-term exposure to low levels of air pollution and mortality adjusting for road traffic noise: A Danish Nurse Cohort study. <i>Environment International</i> , 2020, 143, 105983.	4.8	22
78	Inhalation of House Dust and Ozone Alters Systemic Levels of Endothelial Progenitor Cells, Oxidative Stress, and Inflammation in Elderly Subjects. <i>Toxicological Sciences</i> , 2018, 163, 353-363.	1.4	19
79	Outdoor light at night and breast cancer incidence in the Danish Nurse Cohort. <i>Environmental Research</i> , 2021, 194, 110631.	3.7	18
80	No oxidative stress or DNA damage in peripheral blood mononuclear cells after exposure to particles from urban street air in overweight elderly. <i>Mutagenesis</i> , 2015, 30, 635-642.	1.0	17
81	Cardiovascular health effects following exposure of human volunteers during fire extinction exercises. <i>Environmental Health</i> , 2017, 16, 96.	1.7	17
82	Inflammation and Vascular Effects after Repeated Intratracheal Instillations of Carbon Black and Lipopolysaccharide. <i>PLoS ONE</i> , 2016, 11, e0160731.	1.1	17
83	Cardiovascular disease and long-term occupational exposure to ultrafine particles: A cohort study of airport workers. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 223, 214-219.	2.1	16
84	Dynamic regulation of cerebral DNA repair genes by psychological stress. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 778, 37-43.	0.9	15
85	Vasomotor function in rat arteries after ex vivo and intragastric exposure to food-grade titanium dioxide and vegetable carbon particles. <i>Particle and Fibre Toxicology</i> , 2018, 15, 12.	2.8	14
86	Long-term air pollution and road traffic noise exposure and COPD: the Danish Nurse Cohort. <i>European Respiratory Journal</i> , 2021, 58, 2004594.	3.1	14
87	Long-term exposure to road traffic noise and stroke incidence: a Danish Nurse Cohort study. <i>Environmental Health</i> , 2021, 20, 115.	1.7	14
88	Cohort profile and representativeness of participants in the Diet, Cancer and Health Next Generations cohort study. <i>European Journal of Epidemiology</i> , 2022, 37, 117-127.	2.5	14
89	Long-term exposure to road traffic noise and all-cause and cause-specific mortality: a Danish Nurse Cohort study. <i>Science of the Total Environment</i> , 2022, 820, 153057.	3.9	14
90	Prediction of Xenobiotic Metabolism by Non-invasive Methods. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1990, 67, 101-108.	0.0	13

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91	Hepatic Oxidative Stress, Genotoxicity and Vascular Dysfunction in Lean or Obese Zucker Rats. PLoS ONE, 2015, 10, e0118773.	1.1	13
92	Exposure to Air Pollution inside Electric and Diesel-Powered Passenger Trains. Environmental Science & Technology, 2019, 53, 4579-4587.	4.6	13
93	Long-Term Exposure to Road Traffic Noise and Air Pollution, and Incident Atrial Fibrillation in the Danish Nurse Cohort. Environmental Health Perspectives, 2021, 129, 87002.	2.8	13
94	Indoor home environments of Danish children and the socioeconomic position and health of their parents: A descriptive study. Environment International, 2022, 160, 107059.	4.8	13
95	Copenhagen Airport Cohort: air pollution, manual baggage handling and health. BMJ Open, 2017, 7, e012651.	0.8	12
96	Effect of combustion-derived particles on genotoxicity and telomere length: A study on human cells and exposed populations. Toxicology Letters, 2020, 322, 20-31.	0.4	12
97	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.	1.2	10
98	A Flow Cytometry-based Method for the Screening of Nanomaterial-Induced Reactive Oxygen Species Production in Leukocytes Subpopulations in Whole Blood. Basic and Clinical Pharmacology and Toxicology, 2018, 122, 149-156.	1.2	10
99	Vasomotor dysfunction in human subcutaneous arteries exposed ex vivo to food-grade titanium dioxide. Food and Chemical Toxicology, 2018, 120, 321-327.	1.8	10
100	No significant paraquat-induced oxidative DNA damage in rats. Free Radical Research, 2000, 32, 423-428.	1.5	9
101	Hepatic toxicity assessment of cationic liposome exposure in healthy and chronic alcohol fed mice. Heliyon, 2017, 3, e00458.	1.4	9
102	Telomere shortening and aortic plaque progression in Apolipoprotein E knockout mice after pulmonary exposure to candle light combustion particles. Mutagenesis, 2018, 33, 253-261.	1.0	9
103	Accelerated atherosclerosis caused by serum amyloid A response in lungs of ApoE ^{-/-} mice. FASEB Journal, 2021, 35, e21307.	0.2	8
104	Long-term exposure to road traffic noise and incident myocardial infarction. Environmental Epidemiology, 2021, 5, e148.	1.4	8
105	Residential ozone and lung function in the elderly. Indoor and Built Environment, 2016, 25, 93-105.	1.5	6
106	Fish and salad consumption are inversely associated with levels of oxidatively damaged DNA in a Danish adult cohort. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 66-72.	0.9	6
107	Occupational exposure and markers of genetic damage, systemic inflammation and lung function: a Danish cross-sectional study among air force personnel. Scientific Reports, 2021, 11, 17998.	1.6	6
108	Inflammatory markers and lung function in relation to indoor and ambient air pollution. International Journal of Hygiene and Environmental Health, 2022, 241, 113944.	2.1	6

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109	Interferometric Detection of Single Gold Nanoparticles Calibrated against TEM Size Distributions. <i>Small</i> , 2015, 11, 3550-3555.	5.2	4
110	Does intranasal instillation of TiO_2 cause pulmonary tumorigenesis in male mice?. <i>Environmental Toxicology</i> , 2018, 33, 1095-1096.	2.1	2
111	Malondialdehyde and 8-oxo-7,8-dihydro-2'-deoxyguanosine in the urine of residents from Balkan endemic nephropathy area in Croatia—a pilot study. <i>Collegium Antropologicum</i> , 2013, 37, 1195-8.	0.1	2
112	Complex Exposures of Air Pollution. , 0, , 343-358.		1
113	P108...Occupational exposure to outdoor air pollution and the risk of cardiovascular diseases—a register based cohort study. , 2016, , .		0
114	Long-term exposure to air pollution, road traffic noise, and heart failure incidence: the Danish Nurse Cohort. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
115	Air quality changed disproportionately across the world urban agglomerations, countries, and regions due to COVID-19 lockdown measures. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0