Guillaume Garcon

List of Publications by Year in Descending Order

90 papers	3,669 citations	39 h-index	58 g-index
92 ext. papers	4,284 ext. citations	6 avg, IF	4.86 L-index

#	Paper	IF	Citations
90	Comparison of the in vivo genotoxicity of electronic and conventional cigarettes aerosols after subacute, subchronic and chronic exposures. *Journal of Hazardous Materials*, **2022**, 423, 127246	12.8	0
89	Short-term and residential exposure to air pollution: Associations with inflammatory biomarker levels in adults living in northern France.. *Science of the Total Environment*, **2022**, 154985	10.2	0
88	Whole and fractionated human platelet lysate biomaterials-based biotherapy induces strong neuroprotection in experimental models of amyotrophic lateral sclerosis.. *Biomaterials*, **2021**, 280, 121311	15.6	1
87	Metal enriched quasi-ultrafine particles from stainless steel gas metal arc welding induced genetic and epigenetic alterations in BEAS-2B cells.. *NanoImpact*, **2021**, 23, 100346	5.6	0
86	Comparison of the chemical composition of aerosols from heated tobacco products, electronic cigarettes and tobacco cigarettes and their toxic impacts on the human bronchial epithelial BEAS-2B cells. *Journal of Hazardous Materials*, **2021**, 401, 123417	12.8	28
85	Toxicity of iron nanoparticles towards primary cultures of human bronchial epithelial cells. *Journal of Applied Toxicology*, **2021**, 41, 203-215	4.1	0
84	Renal impairment assessment on adults living nearby a landfill: Early kidney dysfunction biomarkers linked to the environmental exposure to heavy metals. *Toxicology Reports*, **2021**, 8, 386-394	4.8	4
83	A New Strategy to Preserve and Assess Oxygen Consumption in Murine Tissues.. *International Journal of Molecular Sciences*, **2021**, 23,	6.3	1
82	Toxicological appraisal of the chemical fractions of ambient fine (PM) and quasi-ultrafine (PM) particles in human bronchial epithelial BEAS-2B cells. *Environmental Pollution*, **2020**, 263, 114620	9.3	9
81	Mitochondrial alterations triggered by repeated exposure to fine (PM) and quasi-ultrafine (PM) fractions of ambient particulate matter. *Environment International*, **2020**, 142, 105830	12.9	18
80	Study of in vitro and in vivo genotoxic effects of air pollution fine (PM) and quasi-ultrafine (PM) particles on lung models. *Science of the Total Environment*, **2020**, 711, 134666	10.2	14
79	Toxicity of fine and quasi-ultrafine particles: Focus on the effects of organic extractable and non-extractable matter fractions. *Chemosphere*, **2020**, 243, 125440	8.4	15
78	Toxicological effects of ambient fine (PM) and ultrafine (PM) particles in healthy and diseased 3D organo-typic mucocilary-phenotype models. *Environmental Research*, **2019**, 176, 108538	7.9	17
77	Exposure to Atmospheric Ultrafine Particles Induces Severe Lung Inflammatory Response and Tissue Remodeling in Mice. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	10
76	In vitro evaluation of organic extractable matter from ambient PM using human bronchial epithelial BEAS-2B cells: Cytotoxicity, oxidative stress, pro-inflammatory response, genotoxicity, and cell cycle deregulation. *Environmental Research*, **2019**, 171, 510-522	7.9	45
75	Individual exposure level following indoor and outdoor air pollution exposure in Dakar (Senegal). *Environmental Pollution*, **2019**, 248, 397-407	9.3	19
74	A ferroptosis-based panel of prognostic biomarkers for Amyotrophic Lateral Sclerosis. *Scientific Reports*, **2019**, 9, 2918	4.9	56

73	Influence of puffing conditions on the carbonyl composition of e-cigarette aerosols. *International Journal of Hygiene and Environmental Health*, **2019**, 222, 136-146	6.9	31
72	Physico-chemical characterization and in vitro inflammatory and oxidative potency of atmospheric particles collected in Dakar city (Senegal). *Environmental Pollution*, **2019**, 245, 568-581	9.3	9
71	Glucose metabolism and NRF2 coordinate the antioxidant response in melanoma resistant to MAPK inhibitors. *Cell Death and Disease*, **2018**, 9, 325	9.8	39
70	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. *Environmental Chemistry Letters*, **2018**, 16, 439-475	13.3	80
69	Could Conservative Iron Chelation Lead to Neuroprotection in Amyotrophic Lateral Sclerosis?. *Antioxidants and Redox Signaling*, **2018**, 29, 742-748	8.4	48
68	A pharmaco-metabolomics approach in a clinical trial of ALS: Identification of predictive markers of progression. *PLoS ONE*, **2018**, 13, e0198116	3.7	37
67	Air pollution-derived PM impairs mitochondrial function in healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells. *Environmental Pollution*, **2018**, 243, 1434-1449	9.3	77
66	Comparison of cellular and transcriptomic effects between electronic cigarette vapor and cigarette smoke in human bronchial epithelial cells. *Toxicology in Vitro*, **2017**, 45, 417-425	3.6	44
65	Particulate metal bioaccessibility in physiological fluids and cell culture media: Toxicological perspectives. *Environmental Research*, **2017**, 156, 148-157	7.9	29
64	Continuous cerebroventricular administration of dopamine: A new treatment for severe dyskinesia in Parkinson disease?. *Neurobiology of Disease*, **2017**, 103, 24-31	7.5	12
63	Chemical Evaluation of Electronic Cigarettes: Multicomponent Analysis of Liquid Refills and their Corresponding Aerosols. *Journal of Analytical Toxicology*, **2017**, 41, 670-678	2.9	54
62	Genetic and epigenetic alterations in normal and sensitive COPD-diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM. *Environmental Pollution*, **2017**, 230, 163-177	9.3	56
61	Panel of Oxidative Stress and Inflammatory Biomarkers in ALS: A Pilot Study. *Canadian Journal of Neurological Sciences*, **2017**, 44, 90-95	1	71
60	Differential responses of healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM. *Environmental Pollution*, **2016**, 218, 1074-1088	9.3	46
59	In vitro short-term exposure to air pollution PM2.5-0.3 induced cell cycle alterations and genetic instability in a human lung cell coculture model. *Environmental Research*, **2016**, 147, 146-58	7.9	41
58	Characterisation and seasonal variations of particles in the atmosphere of rural, urban and industrial areas: Organic compounds. *Journal of Environmental Sciences*, **2016**, 44, 45-56	6.4	35
57	Trace elements in e-liquids - Development and validation of an ICP-MS method for the analysis of electronic cigarette refills. *Regulatory Toxicology and Pharmacology*, **2016**, 79, 144-148	3.4	30
56	Temporal-spatial variations of the physicochemical characteristics of air pollution Particulate Matter (PM2.5-0.3) and toxicological effects in human bronchial epithelial cells (BEAS-2B). *Environmental Research*, **2015**, 137, 256-67	7.9	82

55	Effects of environmental cadmium and lead exposure on adults neighboring a discharge: Evidences of adverse health effects. *Environmental Pollution*, **2015**, 206, 247-55	9.3	51
54	Ceruloplasmin activity and iron chelation treatment of patients with Parkinson's disease. *BMC Neurology*, **2015**, 15, 74	3.1	60
53	Effects of engineered iron nanoparticles on the bryophyte, Physcomitrella patens (Hedw.) Bruch & Schimp, after foliar exposure. *Ecotoxicology and Environmental Safety*, **2015**, 113, 499-505	7	25
52	Targeting chelatable iron as a therapeutic modality in Parkinson's disease. *Antioxidants and Redox Signaling*, **2014**, 21, 195-210	8.4	357
51	Xenobiotic metabolism induction and bulky DNA adducts generated by particulate matter pollution in BEAS-2B cell line: geographical and seasonal influence. *Journal of Applied Toxicology*, **2014**, 34, 703-13	4.1	22
50	Polycyclic aromatic hydrocarbons within airborne particulate matter (PM(2.5)) produced DNA bulky stable adducts in a human lung cell coculture model. *Journal of Applied Toxicology*, **2013**, 33, 109-19	4.1	39
49	Mitochondrial oxidative stress is the Achille's heel of melanoma cells resistant to Braf-mutant inhibitor. *Oncotarget*, **2013**, 4, 1986-98	3.3	110
48	Relationship between physicochemical characterization and toxicity of fine particulate matter (PM2.5) collected in Dakar city (Senegal). *Environmental Research*, **2012**, 113, 1-13	7.9	58
47	Prooxidant and proinflammatory potency of air pollution particulate matter (PM□□) produced in rural, urban, or industrial surroundings in human bronchial epithelial cells (BEAS-2B). *Chemical Research in Toxicology*, **2012**, 25, 904-19	4	102
46	Low-level environmental exposure to lead and renal adverse effects: a cross-sectional study in the population of children bordering the Mbeubeuss landfill near Dakar, Senegal. *Human and Experimental Toxicology*, **2012**, 31, 1280-91	3.4	19
45	Benzo[a]pyrene, aflatoxine B□and acetaldehyde mutational patterns in TP53 gene using a functional assay: relevance to human cancer aetiology. *PLoS ONE*, **2012**, 7, e30921	3.7	9
44	Sampling analysis and characterization of particles in the atmosphere of rural, urban and industrial areas. *Procedia Environmental Sciences*, **2011**, 4, 218-227		23
43	Assessment of fly ash-aided phytostabilisation of highly contaminated soils after an 8-year field trial: part 1. Influence on soil parameters and metal extractability. *Science of the Total Environment*, **2011**, 409, 647-54	10.2	40
42	Assessment of fly ash-aided phytostabilisation of highly contaminated soils after an 8-year field trial Part 2. Influence on plants. *Science of the Total Environment*, **2011**, 409, 4504-10	10.2	50
41	Influence of fly ash aided phytostabilisation of Pb, Cd and Zn highly contaminated soils on Lolium perenne and Trifolium repens metal transfer and physiological stress. *Environmental Pollution*, **2011**, 159, 1721-9	9.3	57
40	Metabolic Activation of the Organic Fraction Coated-Onto Air Pollution PM2.5 and its Genotoxicity in a Co-Culture Model of Human Lung Cells. *Advanced Materials Research*, **2011**, 324, 473-476	0.5	
39	Toxicological Impact of Air Pollution Particulate Matter (PM2.5) Collected under Urban, Industrial or Rural Influence: Occurrence of Oxidative Stress and Inflammatory Reaction in BEAS-2B Human Bronchial Epithelial Cells (Corrected Version). *Advanced Materials Research*, **2011**, 324, 489-492	0.5	5
38	Mutagenicity and genotoxicity of PM2.5 issued from an urbano-industrialized area of Dunkerque (France). *Journal of Applied Toxicology*, **2011**, 31, 131-8	4.1	26

37	Caractrisation physico-chimique et effets cytotoxiques de particules atmosphriques PM2,5de la ville de Dakar (Shgal). *Toxicologie Analytique Et Clinique*, **2011**, 23, 157-167	0.4	2
36	Oxidative damage induced in A549 cells by physically and chemically characterized air particulate matter (PM2.5) collected in Abidjan, Cte dIvoire. *Journal of Applied Toxicology*, **2010**, 30, 310-20	4.1	44
35	Benzene-induced mutational pattern in the tumour suppressor gene TP53 analysed by use of a functional assay, the functional analysis of separated alleles in yeast, in human lung cells. *Archives of Toxicology*, **2010**, 84, 99-107	5.8	13
34	Arbuscular mycorrhiza partially protect chicory roots against oxidative stress induced by two fungicides, fenpropimorph and fenhexamid. *Mycorrhiza*, **2010**, 20, 167-78	3.9	26
33	Occurrence of molecular abnormalities of cell cycle in L132 cells after in vitro short-term exposure to air pollution PM(2.5). *Chemico-Biological Interactions*, **2010**, 188, 558-65	5	23
32	CoMgAl oxides issued of hydrotalcite precursors for total oxidation of volatile organic compounds. Identification and toxicological impact of the by-products. *Comptes Rendus Chimie*, **2010**, 13, 494-501	2.7	30
31	Seasonal and annual variations of metal uptake, bioaccumulation, and toxicity in Trifolium repens and Lolium perenne growing in a heavy metal-contaminated field. *Environmental Science and Pollution Research*, **2009**, 16, 42-53	5.1	62
30	Mycorrhization alleviates benzo[a]pyrene-induced oxidative stress in an in vitro chicory root model. *Phytochemistry*, **2009**, 70, 1421-7	4	53
29	Air pollution particulate matter (PM2.5)-induced gene expression of volatile organic compound and/or polycyclic aromatic hydrocarbon-metabolizing enzymes in an in vitro coculture lung model. *Toxicology in Vitro*, **2009**, 23, 37-46	3.6	46
28	Role of air pollution Particulate Matter (PM(2.5)) in the occurrence of loss of heterozygosity in multiple critical regions of 3p chromosome in human epithelial lung cells (L132). *Toxicology Letters*, **2009**, 187, 172-9	4.4	30
27	In vitro evaluation of the oxidative stress and genotoxic potentials of anthracene on mycorrhizal chicory roots. *Environmental and Experimental Botany*, **2008**, 64, 120-127	5.9	48
26	Genotoxic potential of Polycyclic Aromatic Hydrocarbons-coated onto airborne Particulate Matter (PM 2.5) in human lung epithelial A549 cells. *Cancer Letters*, **2008**, 270, 144-55	9.9	78
25	Low-dose aspirin prevents age-related endothelial dysfunction in a mouse model of physiological aging. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H1562-70	5.2	46
24	Changes in Fatty Acid Composition and Content of Two Plants (Lolium perenne and Trifolium repens) Grown During 6 and 18 Months in a Metal (Pb, Cd, Zn) Contaminated Field. *Water, Air, and Soil Pollution*, **2008**, 192, 281-291	2.6	14
23	Gene expression induction of volatile organic compound and/or polycyclic aromatic hydrocarbon-metabolizing enzymes in isolated human alveolar macrophages in response to airborne particulate matter (PM2.5). *Toxicology*, **2008**, 244, 220-30	4.4	34
22	Role of nuclear factor-kappa B activation in the adverse effects induced by air pollution particulate matter (PM2.5) in human epithelial lung cells (L132) in culture. *Journal of Applied Toxicology*, **2007**, 27, 284-90	4.1	77
21	Biomonitoring of the adverse effects induced by the chronic exposure to lead and cadmium on kidney function: usefulness of alpha-glutathione S-transferase. *Science of the Total Environment*, **2007**, 377, 165-72	10.2	70
20	Behavior of Trifolium repens and Lolium perenne growing in a heavy metal contaminated field: Plant metal concentration and phytotoxicity. *Environmental Pollution*, **2007**, 147, 546-53	9.3	125

19	Ambient particulate matter (PM2.5): physicochemical characterization and metabolic activation of the organic fraction in human lung epithelial cells (A549). *Environmental Research*, **2007**, 105, 212-23	7.9	123
18	Environmental lead exposure and its relationship to traffic density among Senegalese children: a cross-sectional study. *Human and Experimental Toxicology*, **2006**, 25, 637-44	3.4	22
17	Dunkerque City air pollution particulate matter-induced cytotoxicity, oxidative stress and inflammation in human epithelial lung cells (L132) in culture. *Toxicology in Vitro*, **2006**, 20, 519-28	3.6	102
16	Activation of different pathways of apoptosis by air pollution particulate matter (PM2.5) in human epithelial lung cells (L132) in culture. *Toxicology*, **2006**, 225, 12-24	4.4	118
15	Pro-inflammatory effects of Dunkerque city air pollution particulate matter 2.5 in human epithelial lung cells (L132) in culture. *Journal of Applied Toxicology*, **2005**, 25, 166-75	4.1	71
14	SYNTHESIS OF NEW FLUORESCENT □CYCLODEXTRIN SENSOR. *Heterocyclic Communications*, **2005**, 11,	1.7	5
13	Influence of iron (56Fe2O3 or 54Fe2O3) in the upregulation of cytochrome P4501A1 by benzo[a]pyrene in the respiratory tract of Sprague-Dawley rats. *Journal of Applied Toxicology*, **2004**, 24, 249-56	4.1	12
12	Effect of Fe(2)O(3) on the capacity of benzo(a)pyrene to induce polycyclic aromatic hydrocarbon-metabolizing enzymes in the respiratory tract of Sprague-Dawley rats. *Toxicology Letters*, **2004**, 150, 179-89	4.4	21
11	Biologic markers of oxidative stress and nephrotoxicity as studied in biomonitoring of adverse effects of occupational exposure to lead and cadmium. *Journal of Occupational and Environmental Medicine*, **2004**, 46, 1180-6	2	54
10	Environmental lead exposure and its relationship to traffic density among Senegalese children: a pilot study. *Human and Experimental Toxicology*, **2003**, 22, 559-64	3.4	14
9	Involvement of oxidative sress in the toxicity of 4-monochlorophenol in Hep G2 cells in culture. *Journal of Applied Toxicology*, **2003**, 23, 109-14	4.1	4
8	M□canismes cellulaires de la synergie d□action de polluants atmosph□riques (Fe203 ET HPA) dans l□apparition du cancer broncho-pulmonaire. *Revue Francaise Des Laboratoires*, **2003**, 2003, 59-68		1
7	Benzo(a)pyrene-coated onto Fe2O3 particles-induced apoptotic events in the lungs of Sprague-Dawley rats. *Toxicology Letters*, **2003**, 143, 223-32	4.4	22
6	Antioxidant defense disruption by polycyclic aromatic hydrocarbons-coated onto Fe(2)O(3) particles in human lung cells (A549). *Toxicology*, **2001**, 166, 129-37	4.4	37
5	Pulmonary induction of proinflammatory mediators following the rat exposure to benzo(a)pyrene-coated onto Fe2O3 particles. *Toxicology Letters*, **2001**, 121, 107-17	4.4	34
4	Benzo(a)pyrene-coated onto Fe(2)O(3) particles-induced lung tissue injury: role of free radicals. *Cancer Letters*, **2001**, 167, 7-15	9.9	50
3	Modification of the proteinase/anti-proteinase balance in the respiratory tract of Sprague-Dawley rats after single intratracheal instillation of benzo[A]pyrene-coated onto Fe(2)O(3) particles. *Journal of Applied Toxicology*, **2000**, 20, 265-71	4.1	7
2	Polycyclic aromatic hydrocarbon coated onto Fe(2)O(3) particles: assessment of cellular membrane damage and antioxidant system disruption in human epithelial lung cells (L132) in culture. *Toxicology Letters*, **2000**, 117, 25-35	4.4	30

1	Peripheral markers (Clara cell protein and alpha-glutathione S-transferase) and lipidoperoxidation (malondialdehyde) assessment in Sprague-Dawley rats instilled with haematite and benzo[a]pyrene. *Journal of Applied Toxicology*, **1998**, 18, 39-45	4.1	9