

Guillaume Garcon

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

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	Targeting chelatable iron as a therapeutic modality in Parkinson's disease. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 195-210	8.4	357
89	Behavior of Trifolium repens and Lolium perenne growing in a heavy metal contaminated field: Plant metal concentration and phytotoxicity. <i>Environmental Pollution</i> , 2007 , 147, 546-53	9.3	125
88	Ambient particulate matter (PM2.5): physicochemical characterization and metabolic activation of the organic fraction in human lung epithelial cells (A549). <i>Environmental Research</i> , 2007 , 105, 212-23	7.9	123
87	Activation of different pathways of apoptosis by air pollution particulate matter (PM2.5) in human epithelial lung cells (L132) in culture. <i>Toxicology</i> , 2006 , 225, 12-24	4.4	118
86	Mitochondrial oxidative stress is the Achilles' heel of melanoma cells resistant to Braf-mutant inhibitor. <i>Oncotarget</i> , 2013 , 4, 1986-98	3.3	110
85	Prooxidant and proinflammatory potency of air pollution particulate matter (PM ₁₀) produced in rural, urban, or industrial surroundings in human bronchial epithelial cells (BEAS-2B). <i>Chemical Research in Toxicology</i> , 2012 , 25, 904-19	4	102
84	Dunkerque City air pollution particulate matter-induced cytotoxicity, oxidative stress and inflammation in human epithelial lung cells (L132) in culture. <i>Toxicology in Vitro</i> , 2006 , 20, 519-28	3.6	102
83	Temporal-spatial variations of the physicochemical characteristics of air pollution Particulate Matter (PM _{2.5-0.3}) and toxicological effects in human bronchial epithelial cells (BEAS-2B). <i>Environmental Research</i> , 2015 , 137, 256-67	7.9	82
82	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. <i>Environmental Chemistry Letters</i> , 2018 , 16, 439-475	13.3	80
81	Genotoxic potential of Polycyclic Aromatic Hydrocarbons-coated onto airborne Particulate Matter (PM 2.5) in human lung epithelial A549 cells. <i>Cancer Letters</i> , 2008 , 270, 144-55	9.9	78
80	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. <i>Journal of Applied Toxicology</i> , 2007 , 27, 284-90	4.1	77
79	Air pollution-derived PM impairs mitochondrial function in healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells. <i>Environmental Pollution</i> , 2018 , 243, 1434-1449	9.3	77
78	Panel of Oxidative Stress and Inflammatory Biomarkers in ALS: A Pilot Study. <i>Canadian Journal of Neurological Sciences</i> , 2017 , 44, 90-95	1	71
77	Pro-inflammatory effects of Dunkerque city air pollution particulate matter 2.5 in human epithelial lung cells (L132) in culture. <i>Journal of Applied Toxicology</i> , 2005 , 25, 166-75	4.1	71
76	Biomonitoring of the adverse effects induced by the chronic exposure to lead and cadmium on kidney function: usefulness of alpha-glutathione S-transferase. <i>Science of the Total Environment</i> , 2007 , 377, 165-72	10.2	70
75	Seasonal and annual variations of metal uptake, bioaccumulation, and toxicity in Trifolium repens and Lolium perenne growing in a heavy metal-contaminated field. <i>Environmental Science and Pollution Research</i> , 2009 , 16, 42-53	5.1	62
74	Ceruloplasmin activity and iron chelation treatment of patients with Parkinson's disease. <i>BMC Neurology</i> , 2015 , 15, 74	3.1	60

73	Relationship between physicochemical characterization and toxicity of fine particulate matter (PM _{2.5}) collected in Dakar city (Senegal). <i>Environmental Research</i> , 2012 , 113, 1-13	7.9	58
72	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. <i>Environmental Pollution</i> , 2011 , 159, 1721-9	9.3	57
71	Genetic and epigenetic alterations in normal and sensitive COPD-diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM. <i>Environmental Pollution</i> , 2017 , 230, 163-177	9.7	56
70	A ferroptosis-based panel of prognostic biomarkers for Amyotrophic Lateral Sclerosis. <i>Scientific Reports</i> , 2019 , 9, 2918	4.9	56
69	Chemical Evaluation of Electronic Cigarettes: Multicomponent Analysis of Liquid Refills and their Corresponding Aerosols. <i>Journal of Analytical Toxicology</i> , 2017 , 41, 670-678	2.9	54
68	Biologic markers of oxidative stress and nephrotoxicity as studied in biomonitoring of adverse effects of occupational exposure to lead and cadmium. <i>Journal of Occupational and Environmental Medicine</i> , 2004 , 46, 1180-6	2	54
67	Mycorrhization alleviates benzo[a]pyrene-induced oxidative stress in an in vitro chicory root model. <i>Phytochemistry</i> , 2009 , 70, 1421-7	4	53
66	Effects of environmental cadmium and lead exposure on adults neighboring a discharge: Evidences of adverse health effects. <i>Environmental Pollution</i> , 2015 , 206, 247-55	9.3	51
65	Assessment of fly ash-aided phytostabilisation of highly contaminated soils after an 8-year field trial Part 2. Influence on plants. <i>Science of the Total Environment</i> , 2011 , 409, 4504-10	10.2	50
64	Benzo(a)pyrene-coated onto Fe(2)O(3) particles-induced lung tissue injury: role of free radicals. <i>Cancer Letters</i> , 2001 , 167, 7-15	9.9	50
63	Could Conservative Iron Chelation Lead to Neuroprotection in Amyotrophic Lateral Sclerosis?. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 742-748	8.4	48
62	In vitro evaluation of the oxidative stress and genotoxic potentials of anthracene on mycorrhizal chicory roots. <i>Environmental and Experimental Botany</i> , 2008 , 64, 120-127	5.9	48
61	Differential responses of healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM. <i>Environmental Pollution</i> , 2016 , 218, 1074-1088	9.3	46
60	Air pollution particulate matter (PM _{2.5})-induced gene expression of volatile organic compound and/or polycyclic aromatic hydrocarbon-metabolizing enzymes in an in vitro coculture lung model. <i>Toxicology in Vitro</i> , 2009 , 23, 37-46	3.6	46
59	Low-dose aspirin prevents age-related endothelial dysfunction in a mouse model of physiological aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1562-70	5.2	46
58	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. <i>Environmental Research</i> , 2019 , 171, 510-522	7.9	45
57	Comparison of cellular and transcriptomic effects between electronic cigarette vapor and cigarette smoke in human bronchial epithelial cells. <i>Toxicology in Vitro</i> , 2017 , 45, 417-425	3.6	44
56	Oxidative damage induced in A549 cells by physically and chemically characterized air particulate matter (PM _{2.5}) collected in Abidjan, Côte d'Ivoire. <i>Journal of Applied Toxicology</i> , 2010 , 30, 310-20	4.1	44

55	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. <i>Environmental Research</i> , 2016 , 147, 146-58	7.9	41
54	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. <i>Science of the Total Environment</i> , 2011 , 409, 647-54	10.2	40
53	Glucose metabolism and NRF2 coordinate the antioxidant response in melanoma resistant to MAPK inhibitors. <i>Cell Death and Disease</i> , 2018 , 9, 325	9.8	39
52	Polycyclic aromatic hydrocarbons within airborne particulate matter (PM(2.5)) produced DNA bulky stable adducts in a human lung cell coculture model. <i>Journal of Applied Toxicology</i> , 2013 , 33, 109-19	4.1	39
51	A pharmaco-metabolomics approach in a clinical trial of ALS: Identification of predictive markers of progression. <i>PLoS ONE</i> , 2018 , 13, e0198116	3.7	37
50	Antioxidant defense disruption by polycyclic aromatic hydrocarbons-coated onto Fe(2)O(3) particles in human lung cells (A549). <i>Toxicology</i> , 2001 , 166, 129-37	4.4	37
49	Characterisation and seasonal variations of particles in the atmosphere of rural, urban and industrial areas: Organic compounds. <i>Journal of Environmental Sciences</i> , 2016 , 44, 45-56	6.4	35
48	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). <i>Toxicology</i> , 2008 , 244, 220-30	4.4	34
47	Pulmonary induction of proinflammatory mediators following the rat exposure to benzo(a)pyrene-coated onto Fe2O3 particles. <i>Toxicology Letters</i> , 2001 , 121, 107-17	4.4	34
46	Influence of puffing conditions on the carbonyl composition of e-cigarette aerosols. <i>International Journal of Hygiene and Environmental Health</i> , 2019 , 222, 136-146	6.9	31
45	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). <i>Toxicology Letters</i> , 2009 , 187, 172-9	4.4	30
44	CoMgAl oxides issued of hydrotalcite precursors for total oxidation of volatile organic compounds. Identification and toxicological impact of the by-products. <i>Comptes Rendus Chimie</i> , 2010 , 13, 494-501	2.7	30
43	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. <i>Toxicology Letters</i> , 2000 , 117, 25-35	4.4	30
42	Trace elements in e-liquids - Development and validation of an ICP-MS method for the analysis of electronic cigarette refills. <i>Regulatory Toxicology and Pharmacology</i> , 2016 , 79, 144-148	3.4	30
41	Particulate metal bioaccessibility in physiological fluids and cell culture media: Toxicological perspectives. <i>Environmental Research</i> , 2017 , 156, 148-157	7.9	29
40	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. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123417	12.8	28
39	Arbuscular mycorrhiza partially protect chicory roots against oxidative stress induced by two fungicides, fenpropimorph and fenhexamid. <i>Mycorrhiza</i> , 2010 , 20, 167-78	3.9	26
38	Mutagenicity and genotoxicity of PM2.5 issued from an urbano-industrialized area of Dunkerque (France). <i>Journal of Applied Toxicology</i> , 2011 , 31, 131-8	4.1	26

37	Effects of engineered iron nanoparticles on the bryophyte, <i>Physcomitrella patens</i> (Hedw.) Bruch & Schimp, after foliar exposure. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 113, 499-505	7	25
36	Sampling analysis and characterization of particles in the atmosphere of rural, urban and industrial areas. <i>Procedia Environmental Sciences</i> , 2011 , 4, 218-227		23
35	Occurrence of molecular abnormalities of cell cycle in L132 cells after in vitro short-term exposure to air pollution PM(2.5). <i>Chemico-Biological Interactions</i> , 2010 , 188, 558-65	5	23
34	Xenobiotic metabolism induction and bulky DNA adducts generated by particulate matter pollution in BEAS-2B cell line: geographical and seasonal influence. <i>Journal of Applied Toxicology</i> , 2014 , 34, 703-134.1		22
33	Environmental lead exposure and its relationship to traffic density among Senegalese children: a cross-sectional study. <i>Human and Experimental Toxicology</i> , 2006 , 25, 637-44	3.4	22
32	Benzo(a)pyrene-coated onto Fe ₂ O ₃ particles-induced apoptotic events in the lungs of Sprague-Dawley rats. <i>Toxicology Letters</i> , 2003 , 143, 223-32	4.4	22
31	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. <i>Toxicology Letters</i> , 2004 , 150, 179-89	4.4	21
30	Individual exposure level following indoor and outdoor air pollution exposure in Dakar (Senegal). <i>Environmental Pollution</i> , 2019 , 248, 397-407	9.3	19
29	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. <i>Human and Experimental Toxicology</i> , 2012 , 31, 1280-91	3.4	19
28	Mitochondrial alterations triggered by repeated exposure to fine (PM) and quasi-ultrafine (PM) fractions of ambient particulate matter. <i>Environment International</i> , 2020 , 142, 105830	12.9	18
27	Toxicological effects of ambient fine (PM) and ultrafine (PM) particles in healthy and diseased 3D organo-typic mucociliary-phenotype models. <i>Environmental Research</i> , 2019 , 176, 108538	7.9	17
26	Toxicity of fine and quasi-ultrafine particles: Focus on the effects of organic extractable and non-extractable matter fractions. <i>Chemosphere</i> , 2020 , 243, 125440	8.4	15
25	Changes in Fatty Acid Composition and Content of Two Plants (<i>Lolium perenne</i> and <i>Trifolium repens</i>) Grown During 6 and 18 Months in a Metal (Pb, Cd, Zn) Contaminated Field. <i>Water, Air, and Soil Pollution</i> , 2008 , 192, 281-291	2.6	14
24	Environmental lead exposure and its relationship to traffic density among Senegalese children: a pilot study. <i>Human and Experimental Toxicology</i> , 2003 , 22, 559-64	3.4	14
23	Study of in vitro and in vivo genotoxic effects of air pollution fine (PM) and quasi-ultrafine (PM) particles on lung models. <i>Science of the Total Environment</i> , 2020 , 711, 134666	10.2	14
22	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. <i>Archives of Toxicology</i> , 2010 , 84, 99-107	5.8	13
21	Continuous cerebroventricular administration of dopamine: A new treatment for severe dyskinesia in Parkinson's disease?. <i>Neurobiology of Disease</i> , 2017 , 103, 24-31	7.5	12
20	Influence of iron (56Fe ₂ O ₃ or 54Fe ₂ O ₃) in the upregulation of cytochrome P4501A1 by benzo[a]pyrene in the respiratory tract of Sprague-Dawley rats. <i>Journal of Applied Toxicology</i> , 2004 , 24, 249-56	4.1	12

19	Exposure to Atmospheric Ultrafine Particles Induces Severe Lung Inflammatory Response and Tissue Remodeling in Mice. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	10
18	Toxicological appraisal of the chemical fractions of ambient fine (PM) and quasi-ultrafine (PM) particles in human bronchial epithelial BEAS-2B cells. <i>Environmental Pollution</i> , 2020 , 263, 114620	9.3	9
17	Peripheral markers (Clara cell protein and alpha-glutathione S-transferase) and lipidperoxidation (malondialdehyde) assessment in Sprague-Dawley rats instilled with haematite and benzo[a]pyrene. <i>Journal of Applied Toxicology</i> , 1998 , 18, 39-45	4.1	9
16	Benzo[a]pyrene, aflatoxine B ₁ and acetaldehyde mutational patterns in TP53 gene using a functional assay: relevance to human cancer aetiology. <i>PLoS ONE</i> , 2012 , 7, e30921	3.7	9
15	Physico-chemical characterization and in vitro inflammatory and oxidative potency of atmospheric particles collected in Dakar city (Senegal). <i>Environmental Pollution</i> , 2019 , 245, 568-581	9.3	9
14	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. <i>Journal of Applied Toxicology</i> , 2000 , 20, 265-71	4.1	7
13	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). <i>Advanced Materials Research</i> , 2011 , 324, 489-492	0.5	5
12	SYNTHESIS OF NEW FLUORESCENT CYCLODEXTRIN SENSOR. <i>Heterocyclic Communications</i> , 2005 , 11,	1.7	5
11	Involvement of oxidative stress in the toxicity of 4-monochlorophenol in Hep G2 cells in culture. <i>Journal of Applied Toxicology</i> , 2003 , 23, 109-14	4.1	4
10	Renal impairment assessment on adults living nearby a landfill: Early kidney dysfunction biomarkers linked to the environmental exposure to heavy metals. <i>Toxicology Reports</i> , 2021 , 8, 386-394	4.8	4
9	Caractérisation physico-chimique et effets cytotoxiques de particules atmosphériques PM2,5 de la ville de Dakar (Sénégal). <i>Toxicologie Analytique Et Clinique</i> , 2011 , 23, 157-167	0.4	2
8	Mécanismes cellulaires de la synergie d'action de polluants atmosphériques (Fe2O3 ET HPA) dans l'apparition du cancer broncho-pulmonaire. <i>Revue Française Des Laboratoires</i> , 2003 , 2003, 59-68		1
7	Whole and fractionated human platelet lysate biomaterials-based biotherapy induces strong neuroprotection in experimental models of amyotrophic lateral sclerosis.. <i>Biomaterials</i> , 2021 , 280, 121311	15.6	1
6	A New Strategy to Preserve and Assess Oxygen Consumption in Murine Tissues.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	1
5	Metal enriched quasi-ultrafine particles from stainless steel gas metal arc welding induced genetic and epigenetic alterations in BEAS-2B cells.. <i>NanoImpact</i> , 2021 , 23, 100346	5.6	0
4	Toxicity of iron nanoparticles towards primary cultures of human bronchial epithelial cells. <i>Journal of Applied Toxicology</i> , 2021 , 41, 203-215	4.1	0
3	Comparison of the in vivo genotoxicity of electronic and conventional cigarettes aerosols after subacute, subchronic and chronic exposures. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127246	12.8	0
2	Short-term and residential exposure to air pollution: Associations with inflammatory biomarker levels in adults living in northern France.. <i>Science of the Total Environment</i> , 2022 , 154985	10.2	0

- 1 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