

Dominique Courcot

List of Publications by Citations

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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.

82

papers

2,463

citations

29

h-index

47

g-index

83

ext. papers

2,811

ext. citations

6.1

avg, IF

4.77

L-index

#	Paper	IF	Citations
82	Ambient particulate matter (PM _{2.5}): 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
81	Activation of different pathways of apoptosis by air pollution particulate matter (PM _{2.5}) in human epithelial lung cells (L132) in culture. <i>Toxicology</i> , 2006 , 225, 12-24	4.4	118
80	Proinflammatory effects and oxidative stress within human bronchial epithelial cells exposed to atmospheric particulate matter (PM _{2.5} and PM _{>2.5}) collected from Cotonou, Benin. <i>Environmental Pollution</i> , 2014 , 185, 340-51	9.3	116
79	Prooxidant and proinflammatory potency of air pollution particulate matter (PM _{2.5}) 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
78	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
77	Chemical profile identification of fugitive and confined particle emissions from an integrated iron and steelmaking plant. <i>Journal of Hazardous Materials</i> , 2013 , 250-251, 246-55	12.8	98
76	Catalysts for NO _x selective catalytic reduction by hydrocarbons (HC-SCR). <i>Applied Catalysis A: General</i> , 2015 , 504, 542-548	5.1	91
75	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
74	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. <i>Environmental Chemistry Letters</i> , 2018 , 16, 439-475	13.3	80
73	Role of nuclear factor-kappa B activation in the adverse effects induced by air pollution particulate matter (PM _{2.5}) in human epithelial lung cells (L132) in culture. <i>Journal of Applied Toxicology</i> , 2007 , 27, 284-90	4.1	77
72	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
71	Identification of Vanadium Oxide Species and Trapped Single Electrons in Interaction with the CeVO ₄ Phase in Vanadium Cerium Oxide Systems. 51V MAS NMR, EPR, Raman, and Thermal Analysis Studies. <i>Chemistry of Materials</i> , 2002 , 14, 4118-4125	9.6	70
70	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
69	Contributions of local and regional anthropogenic sources of metals in PM at an urban site in northern France. <i>Chemosphere</i> , 2017 , 181, 713-724	8.4	57
68	Fine and ultrafine atmospheric particulate matter at a multi-influenced urban site: Physicochemical characterization, mutagenicity and cytotoxicity. <i>Environmental Pollution</i> , 2017 , 221, 130-140	9.3	54
67	Genotoxic and epigenotoxic effects of fine particulate matter from rural and urban sites in Lebanon on human bronchial epithelial cells. <i>Environmental Research</i> , 2015 , 136, 352-62	7.9	52
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	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
64	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
63	Study of active species of Cu-K/ZrO ₂ catalysts involved in the oxidation of soot. <i>Journal of Catalysis</i> , 2006 , 241, 456-464	7.3	42
62	In vitro short-term exposure to air pollution PM _{2.5} -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
61	Copper-vanadium-cerium oxide catalysts for carbon black oxidation. <i>Applied Catalysis B: Environmental</i> , 2007 , 70, 247-253	21.8	40
60	Effect of potassium on the surface potential of titania. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 895		39
59	Mutagenicity and clastogenicity of native airborne particulate matter samples collected under industrial, urban or rural influence. <i>Toxicology in Vitro</i> , 2014 , 28, 866-74	3.6	36
58	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
57	PM _{2.5} source apportionment in a French urban coastal site under steelworks emission influences using constrained non-negative matrix factorization receptor model. <i>Journal of Environmental Sciences</i> , 2016 , 40, 114-28	6.4	34
56	Influence of ship emissions on NO, SO, O and PM concentrations in a North-Sea harbor in France. <i>Journal of Environmental Sciences</i> , 2018 , 71, 56-66	6.4	33
55	Effect of potassium addition to the TiO ₂ support on the structure of V ₂ O ₅ /TiO ₂ and its catalytic properties in the oxidative dehydrogenation of propane. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 1609		33
54	Effect of the sequence of potassium introduction to V ₂ O ₅ /TiO ₂ catalysts on their physicochemical properties and catalytic performance in oxidative dehydrogenation of propane. <i>Catalysis Today</i> , 1997 , 33, 109-118	5.3	31
53	Comparison between ultrafine and fine particulate matter collected in Lebanon: Chemical characterization, in vitro cytotoxic effects and metabolizing enzymes gene expression in human bronchial epithelial cells. <i>Environmental Pollution</i> , 2015 , 205, 250-60	9.3	28
52	Characterization of iron and manganese species in atmospheric aerosols from anthropogenic sources. <i>Atmospheric Research</i> , 2006 , 82, 622-632	5.4	28
51	Chemical characterization of fine and ultrafine PM, direct and indirect genotoxicity of PM and their organic extracts on pulmonary cells. <i>Journal of Environmental Sciences</i> , 2018 , 71, 168-178	6.4	26
50	A summer and winter apportionment of particulate matter at urban and rural areas in northern France. <i>Atmospheric Research</i> , 2006 , 82, 633-642	5.4	25
49	Traffic-related air pollution. A pilot exposure assessment in Beirut, Lebanon. <i>Chemosphere</i> , 2014 , 96, 122-8	8.4	23
48	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

47	Potential of Supported Copper and Potassium Oxide Catalysts in the Combustion of Carbonaceous Particles. <i>Kinetics and Catalysis</i> , 2004 , 45, 580-588	1.5	22
46	Characterization by solid state 51V NMR spectroscopy. <i>Catalysis Today</i> , 2000 , 56, 379-387	5.3	22
45	Smoker extracellular vesicles influence status of human bronchial epithelial cells. <i>International Journal of Hygiene and Environmental Health</i> , 2017 , 220, 445-454	6.9	21
44	Chemical characteristics of PM _{2.5} and PM _{0.3} and consequence of a dust storm episode at an urban site in Lebanon. <i>Atmospheric Research</i> , 2016 , 180, 274-286	5.4	20
43	EPR Investigation and Reactivity of Diesel Soot Activated (or not) with Cerium Compounds. <i>Topics in Catalysis</i> , 2001 , 16/17, 263-268	2.3	20
42	PM-bound polycyclic aromatic hydrocarbons (PAHs) and nitrated PAHs (NPAHs) in rural and suburban areas in Shandong and Henan Provinces during the 2016 Chinese New Year's holiday. <i>Environmental Pollution</i> , 2019 , 250, 782-791	9.3	19
41	Formation of CeVO ₄ phase during the preparation of CuV Ce oxide catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 3863-3867		18
40	An in vitro model to evaluate the impact of environmental fine particles (PM) on skin damage. <i>Toxicology Letters</i> , 2019 , 305, 94-102	4.4	17
39	Identification of by-products issued from the catalytic oxidation of toluene by chemical and biological methods. <i>Comptes Rendus Chimie</i> , 2015 , 18, 1084-1093	2.7	17
38	Cellular response and extracellular vesicles characterization of human macrophages exposed to fine atmospheric particulate matter. <i>Environmental Pollution</i> , 2019 , 254, 112933	9.3	17
37	Investigation of Binary and Ternary CuV Ce Oxides by X-ray Diffraction, Thermal Analysis, and Electron Paramagnetic Resonance. <i>Chemistry of Materials</i> , 2001 , 13, 3862-3870	9.6	17
36	Sustainability of an in situ aided phytostabilisation on highly contaminated soils using fly ashes: Effects on the vertical distribution of physicochemical parameters and trace elements. <i>Journal of Environmental Management</i> , 2016 , 171, 204-216	7.9	15
35	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
34	Characterization of manganese-bearing particles in the vicinities of a manganese alloy plant. <i>Chemosphere</i> , 2017 , 175, 411-424	8.4	14
33	Essential oil components decrease pulmonary and hepatic cells inflammation induced by air pollution particulate matter. <i>Environmental Chemistry Letters</i> , 2016 , 14, 345-351	13.3	14
32	Non-negative Matrix Factorization under equality constraints—study of industrial source identification. <i>Applied Numerical Mathematics</i> , 2014 , 85, 1-15	2.5	14
31	Usefulness of toxicological validation of VOCs catalytic degradation by air-liquid interface exposure system. <i>Environmental Research</i> , 2017 , 152, 328-335	7.9	13
30	Physicochemical characteristics, mutagenicity and genotoxicity of airborne particles under industrial and rural influences in Northern Lebanon. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 18782-18797	5.1	12

29	Electron Paramagnetic Resonance investigation of the nature of active species involved in carbon black oxidation on ZrO ₂ and Cu/ZrO ₂ catalysts. <i>Catalysis Communications</i> , 2012 , 17, 64-70	3.2	12
28	Physico-chemical study of impregnated Cu and V species on CeO ₂ support by thermal analysis, XRD, EPR, 51V-MAS-NMR and XPS. <i>Journal of Materials Science</i> , 2007 , 42, 6188-6196	4.3	12
27	EPR investigation of iron in size segregated atmospheric aerosols collected at Dunkerque, Northern France. <i>Atmospheric Environment</i> , 2004 , 38, 1201-1210	5.3	12
26	VOCs removal in the presence of NO _x on Cs _{0.1} /ZrO ₂ catalysts. <i>Catalysis Today</i> , 2011 , 176, 120-125	5.3	11
25	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
24	Investigation of Cs _{0.1} /ZrO ₂ systems for simultaneous NO _x reduction and carbonaceous particles oxidation. <i>Catalysis Today</i> , 2012 , 191, 90-95	5.3	9
23	Spectroscopic and surface potential variations study of a CuCe oxide catalyst using H ₂ S as a probe molecule. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 154, 335-342	5.1	9
22	PM characterization of primary and secondary organic aerosols in two urban-industrial areas in the East Mediterranean. <i>Journal of Environmental Sciences</i> , 2021 , 101, 98-116	6.4	9
21	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
20	In vitro toxicological evaluation of emissions from catalytic oxidation removal of industrial VOCs by air/liquid interface (ALI) exposure system in repeated mode. <i>Toxicology in Vitro</i> , 2019 , 58, 110-117	3.6	8
19	Extracellular vesicles as actors in the air pollution related cardiopulmonary diseases. <i>Critical Reviews in Toxicology</i> , 2020 , 50, 402-423	5.7	6
18	VOCs and carbonaceous particles removal assisted by NO _x on alkali _{0.15} /ZrO ₂ and Cs _x M _{0.1} /ZrO ₂ catalysts (M=Cu or Co). <i>Comptes Rendus Chimie</i> , 2010 , 13, 515-526	2.7	6
17	Toxicological Impact of Air Pollution Particulate Matter (PM _{2.5}) 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
16	Assessment of the PM oxidative potential in a coastal industrial city in Northern France: Relationships with chemical composition, local emissions and long range sources. <i>Science of the Total Environment</i> , 2020 , 748, 141448	10.2	5
15	Atmospheric aerosols behaviour at an industrial area in Northern France. <i>International Journal of Environment and Pollution</i> , 2009 , 39, 286	0.7	4
14	Influence of the environmental relative humidity on the inflammatory response of skin model after exposure to various environmental pollutants. <i>Environmental Research</i> , 2021 , 196, 110350	7.9	4
13	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
12	Informed Weighted Non-Negative Matrix Factorization Using -Divergence Applied to Source Apportionment. <i>Entropy</i> , 2019 , 21,	2.8	3

11	Preparation of Alkali-M/ZrO ₂ (M = Co or Cu) for VOCs oxidation in the presence of NO _x or carbonaceous particles. <i>Studies in Surface Science and Catalysis</i> , 2010 , 747-750	1.8	3
10	Human health risk assessment for PAHs, phthalates, elements, PCDD/Fs, and DL-PCBs in PM _{2.5} and for NMVOCs in two East-Mediterranean urban sites under industrial influence. <i>Atmospheric Pollution Research</i> , 2022 , 13, 101261	4.5	2
9	Comparison between CsCu/ZrO ₂ and CsCo/ZrO ₂ catalysts for NO _x reduction by toluene. <i>Catalysis Today</i> , 2012 , 191, 42-46	5.3	1
8	Inorganic Chemical Composition of Atmospheric Particulate Matter around Industrial Sites in Northern Lebanon. <i>Advanced Materials Research</i> , 2011 , 324, 477-480	0.5	1
7	Split Gradient Method for Informed Non-negative Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2015 , 376-383	0.9	1
6	Toxicological responses of BEAS-2B cells to repeated exposures to benzene, toluene, m-xylene, and mesitylene using air-liquid interface method. <i>Journal of Applied Toxicology</i> , 2021 , 41, 1262-1274	4.1	1
5	Estimating airborne heavy metal concentrations in Dunkerque (northern France). <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	1
4	A prospective pilot study of the T-lymphocyte response to fine particulate matter exposure. <i>Journal of Applied Toxicology</i> , 2020 , 40, 619-630	4.1	0
3	Chemical profiles of PM emitted from various anthropogenic sources of the Eastern Mediterranean: Cooking, wood burning, and diesel generators.. <i>Environmental Research</i> , 2022 , 113032	7.9	0
2	Preparation of highly dispersed copper oxide by thermal destruction of binuclear CuII monofluoroacetate in zeolite Y cavities. <i>Russian Chemical Bulletin</i> , 2000 , 49, 1365-1368	1.7	
1	The Use of a Non Negative Matrix Factorization Method Combined to PM _{2.5} Chemical Data for a Source Apportionment Study in Different Environments. <i>Springer Proceedings in Complexity</i> , 2014 , 79-84 ^{0.3}		