Dominique Courcot

List of Publications by Year in Descending Order

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	Human health risk assessment for PAHs, phthalates, elements, PCDD/Fs, and DL-PCBs in PM2.5 and for NMVOCs in two East-Mediterranean urban sites under industrial influence. *Atmospheric Pollution Research*, **2022**, 13, 101261	4.5	2
81	Chemical profiles of PM emitted from various anthropogenic sources of the Eastern Mediterranean: Cooking, wood burning, and diesel generators.. *Environmental Research*, **2022**, 113032	7.9	0
80	Toxicological responses of BEAS-2B cells to repeated exposures to benzene, toluene, m-xylene, and mesitylene using air-liquid interface method. *Journal of Applied Toxicology*, **2021**, 41, 1262-1274	4.1	1
79	PM characterization of primary and secondary organic aerosols in two urban-industrial areas in the East Mediterranean. *Journal of Environmental Sciences*, **2021**, 101, 98-116	6.4	9
78	Influence of the environmental relative humidity on the inflammatory response of skin model after exposure to various environmental pollutants. *Environmental Research*, **2021**, 196, 110350	7.9	4
77	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
76	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
75	Extracellular vesicles as actors in the air pollution related cardiopulmonary diseases. *Critical Reviews in Toxicology*, **2020**, 50, 402-423	5.7	6
74	A prospective pilot study of the T-lymphocyte response to fine particulate matter exposure. *Journal of Applied Toxicology*, **2020**, 40, 619-630	4.1	0
73	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
72	Assessment of the PM oxidative potential in a coastal industrial city in Northern France: Relationships with chemical composition, local emissions and long range sources. *Science of the Total Environment*, **2020**, 748, 141448	10.2	5
71	An in vitro model to evaluate the impact of environmental fine particles (PM) on skin damage. *Toxicology Letters*, **2019**, 305, 94-102	4.4	17
70	Informed Weighted Non-Negative Matrix Factorization Using -Divergence Applied to Source Apportionment. *Entropy*, **2019**, 21,	2.8	3
69	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. *Environmental Pollution*, **2019**, 250, 782-791	9.3	19
68	In vitro toxicological evaluation of emissions from catalytic oxidation removal of industrial VOCs by air/liquid interface (ALI) exposure system in repeated mode. *Toxicology in Vitro*, **2019**, 58, 110-117	3.6	8
67	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
66	Cellular response and extracellular vesicles characterization of human macrophages exposed to fine atmospheric particulate matter. *Environmental Pollution*, **2019**, 254, 112933	9.3	17

65	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
64	Influence of ship emissions on NO, SO, O and PM concentrations in a North-Sea harbor in France. *Journal of Environmental Sciences*, **2018**, 71, 56-66	6.4	33
63	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. *Environmental Chemistry Letters*, **2018**, 16, 439-475	13.3	80
62	Chemical characterization of fine and ultrafine PM, direct and indirect genotoxicity of PM and their organic extracts on pulmonary cells. *Journal of Environmental Sciences*, **2018**, 71, 168-178	6.4	26
61	Usefulness of toxicological validation of VOCs catalytic degradation by air-liquid interface exposure system. *Environmental Research*, **2017**, 152, 328-335	7.9	13
60	Smoker extracellular vesicles influence status of human bronchial epithelial cells. *International Journal of Hygiene and Environmental Health*, **2017**, 220, 445-454	6.9	21
59	Characterization of manganese-bearing particles in the vicinities of a manganese alloy plant. *Chemosphere*, **2017**, 175, 411-424	8.4	14
58	Contributions of local and regional anthropogenic sources of metals in PM at an urban site in northern France. *Chemosphere*, **2017**, 181, 713-724	8.4	57
57	Fine and ultrafine atmospheric particulate matter at a multi-influenced urban site: Physicochemical characterization, mutagenicity and cytotoxicity. *Environmental Pollution*, **2017**, 221, 130-140	9.3	54
56	Physicochemical characteristics, mutagenicity and genotoxicity of airborne particles under industrial and rural influences in Northern Lebanon. *Environmental Science and Pollution Research*, **2017**, 24, 18782-18797	5.1	12
55	Essential oil components decrease pulmonary and hepatic cells inflammation induced by air pollution particulate matter. *Environmental Chemistry Letters*, **2016**, 14, 345-351	13.3	14
54	Chemical characteristics of PM2.5-0.3 and PM0.3 and consequence of a dust storm episode at an urban site in Lebanon. *Atmospheric Research*, **2016**, 180, 274-286	5.4	20
53	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. *Journal of Environmental Management*, **2016**, 171, 204-216	7.9	15
52	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
51	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
50	Estimating airborne heavy metal concentrations in Dunkerque (northern France). *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	1
49	PM2.5 source apportionment in a French urban coastal site under steelworks emission influences using constrained non-negative matrix factorization receptor model. *Journal of Environmental Sciences*, **2016**, 40, 114-28	6.4	34
48	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

47	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
46	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. *Environmental Pollution*, **2015**, 205, 250-60	9.3	28
45	Identification of by-products issued from the catalytic oxidation of toluene by chemical and biological methods. *Comptes Rendus Chimie*, **2015**, 18, 1084-1093	2.7	17
44	Genotoxic and epigenotoxic effects of fine particulate matter from rural and urban sites in Lebanon on human bronchial epithelial cells. *Environmental Research*, **2015**, 136, 352-62	7.9	52
43	Catalysts for NOx selective catalytic reduction by hydrocarbons (HC-SCR). *Applied Catalysis A: General*, **2015**, 504, 542-548	5.1	91
42	Split Gradient Method for Informed Non-negative Matrix Factorization. *Lecture Notes in Computer Science*, **2015**, 376-383	0.9	1
41	Non-negative Matrix Factorization under equality constraints□ study of industrial source identification. *Applied Numerical Mathematics*, **2014**, 85, 1-15	2.5	14
40	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. *Environmental Pollution*, **2014**, 185, 340-51	9.3	116
39	Mutagenicity and clastogenicity of native airborne particulate matter samples collected under industrial, urban or rural influence. *Toxicology in Vitro*, **2014**, 28, 866-74	3.6	36
38	Traffic-related air pollution. A pilot exposure assessment in Beirut, Lebanon. *Chemosphere*, **2014**, 96, 122-8	8.4	23
37	The Use of a Non Negative Matrix Factorization Method Combined to PM2.5 Chemical Data for a Source Apportionment Study in Different Environments. *Springer Proceedings in Complexity*, **2014**, 79-84	0.3	
36	Chemical profile identification of fugitive and confined particle emissions from an integrated iron and steelmaking plant. *Journal of Hazardous Materials*, **2013**, 250-251, 246-55	12.8	98
35	Investigation of Cs□u/ZrO2 systems for simultaneous NOx reduction and carbonaceous particles oxidation. *Catalysis Today*, **2012**, 191, 90-95	5.3	9
34	Comparison between Cs□u/ZrO2 and Cs□o/ZrO2 catalysts for NOx reduction by toluene. *Catalysis Today*, **2012**, 191, 42-46	5.3	1
33	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
32	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
31	Electron Paramagnetic Resonance investigation of the nature of active species involved in carbon black oxidation on ZrO2 and Cu/ZrO2 catalysts. *Catalysis Communications*, **2012**, 17, 64-70	3.2	12
30	Sampling analysis and characterization of particles in the atmosphere of rural, urban and industrial areas. *Procedia Environmental Sciences*, **2011**, 4, 218-227		23

29	VOCs removal in the presence of NOx on Cs□Cu/ZrO2 catalysts. *Catalysis Today*, **2011**, 176, 120-125	5.3	11
28	Inorganic Chemical Composition of Atmospheric Particulate Matter around Industrial Sites in Northern Lebanon. *Advanced Materials Research*, **2011**, 324, 477-480	0.5	1
27	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
26	Oxidative damage induced in A549 cells by physically and chemically characterized air particulate matter (PM2.5) collected in Abidjan, C□e d'Ivoire. *Journal of Applied Toxicology*, **2010**, 30, 310-20	4.1	44
25	Preparation of Alkali-M/ZrO2 (M = Co or Cu) for VOCs oxidation in the presence of NOx or carbonaceous particles. *Studies in Surface Science and Catalysis*, **2010**, 747-750	1.8	3
24	VOCs and carbonaceous particles removal assisted by NOx on alkali0.15/ZrO2 and CsxM0.1/ZrO2 catalysts (M=Cu or Co). *Comptes Rendus Chimie*, **2010**, 13, 515-526	2.7	6
23	Atmospheric aerosols behaviour at an industrial area in Northern France. *International Journal of Environment and Pollution*, **2009**, 39, 286	0.7	4
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	Copper-vanadium-cerium oxide catalysts for carbon black oxidation. *Applied Catalysis B: Environmental*, **2007**, 70, 247-253	21.8	40
20	Physico-chemical study of impregnated Cu and V species on CeO2 support by thermal analysis, XRD, EPR, 51V-MAS-NMR and XPS. *Journal of Materials Science*, **2007**, 42, 6188-6196	4.3	12
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	Study of active species of Cu-K/ZrO2 catalysts involved in the oxidation of soot. *Journal of Catalysis*, **2006**, 241, 456-464	7.3	42
17	Characterization of iron and manganese species in atmospheric aerosols from anthropogenic sources. *Atmospheric Research*, **2006**, 82, 622-632	5.4	28
16	A summer and winter apportionment of particulate matter at urban and rural areas in northern France. *Atmospheric Research*, **2006**, 82, 633-642	5.4	25
15	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
14	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
13	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
12	EPR investigation of iron in size segregated atmospheric aerosols collected at Dunkerque, Northern France. *Atmospheric Environment*, **2004**, 38, 1201-1210	5.3	12

11	Potential of Supported Copper and Potassium Oxide Catalysts in the Combustion of Carbonaceous Particles. *Kinetics and Catalysis*, **2004**, 45, 580-588	1.5	22
10	Identification of Vanadium Oxide Species and Trapped Single Electrons in Interaction with the CeVO4 Phase in Vanadium□Cerium Oxide Systems. 51V MAS NMR, EPR, Raman, and Thermal Analysis Studies. *Chemistry of Materials*, **2002**, 14, 4118-4125	9.6	70
9	EPR Investigation and Reactivity of Diesel Soot Activated (or not) with Cerium Compounds. *Topics in Catalysis*, **2001**, 16/17, 263-268	2.3	20
8	Investigation of Binary and Ternary Cu□Ce Oxides by X-ray Diffraction, Thermal Analysis, and Electron Paramagnetic Resonance. *Chemistry of Materials*, **2001**, 13, 3862-3870	9.6	17
7	Characterization by solid state 51V NMR spectroscopy. *Catalysis Today*, **2000**, 56, 379-387	5.3	22
6	Preparation of highly dispersed copper oxide by thermal destruction of binuclear CuII monofluoroacetate in zeolite Y cavities. *Russian Chemical Bulletin*, **2000**, 49, 1365-1368	1.7	
5	Spectroscopic and surface potential variations study of a CuCe oxide catalyst using H2S as a probe molecule. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **1999**, 154, 335-342	5.1	9
4	Formation of CeVO4phase during the preparation of CuVCe oxide catalysts. *Journal of the Chemical Society, Faraday Transactions*, **1997**, 93, 3863-3867		18
3	Effect of the sequence of potassium introduction to V2O5/TiO2 catalysts on their physicochemical properties and catalytic performance in oxidative dehydrogenation of propane. *Catalysis Today*, **1997**, 33, 109-118	5.3	31
2	Effect of potassium addition to the TiO2 support on the structure of V2O5/TiO2 and its catalytic properties in the oxidative dehydrogenation of propane. *Journal of the Chemical Society, Faraday Transactions*, **1996**, 92, 1609		33
1	Effect of potassium on the surface potential of titania. *Journal of the Chemical Society, Faraday Transactions*, **1994**, 90, 895		39