Dominique Courcot

List of Publications by Year
in descending order

82 papers	3,164 citations	147801 31 h-index	161849 54 g-index
83 all docs	83 docs citations	83 times ranked	3944 citing authors

#	Article	IF	Citations
1	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.	3.8	26
2	Chemical profiles of PM2.5 emitted from various anthropogenic sources of the Eastern Mediterranean: Cooking, wood burning, and diesel generators. Environmental Research, 2022, 211, 113032.	7.5	14
3	Methods for the assessment of health risk induced by contaminants in atmospheric particulate matter: a review. Environmental Chemistry Letters, 2022, 20, 3289-3311.	16.2	7
4	Influence of the environmental relative humidity on the inflammatory response of skin model after exposure to various environmental pollutants. Environmental Research, 2021, 196, 110350.	7.5	9
5	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.	3.3	18
6	PM2.5 characterization of primary and secondary organic aerosols in two urban-industrial areas in the East Mediterranean. Journal of Environmental Sciences, 2021, 101, 98-116.	6.1	26
7	Toxicity of fine and quasi-ultrafine particles: Focus on the effects of organic extractable and non-extractable matter fractions. Chemosphere, 2020, 243, 125440.	8.2	28
8	Toxicological responses of BEASâ€2B cells to repeated exposures to benzene, toluene, m â€xylene, and mesitylene using airâ€“liquid interface method. Journal of Applied Toxicology, 2020, 41, 1262-1274.	2.8	3
9	Assessment of the PM2.5 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.	8.0	27
10	Toxicological appraisal of the chemical fractions of ambient fine (PM2.5-0.3) and quasi-ultrafine (PM0.3) particles in human bronchial epithelial BEAS-2B cells. Environmental Pollution, 2020, 263, 114620.	7.5	22
11	Extracellular vesicles as actors in the air pollution related cardiopulmonary diseases. Critical Reviews in Toxicology, 2020, 50, 402-423.	3.9	11
12	A prospective pilot study of the Tâ€lymphocyte response to fine particulate matter exposure. Journal of Applied Toxicology, 2020, 40, 619-630.	2.8	2
13	Cellular response and extracellular vesicles characterization of human macrophages exposed to fine atmospheric particulate matter. Environmental Pollution, 2019, 254, 112933.	7.5	34
14	An in vitro model to evaluate the impact of environmental fine particles (PM0.3-2.5) on skin damage. Toxicology Letters, 2019, 305, 94-102.	0.8	25
15	Informed Weighted Non-Negative Matrix Factorization Using Î±Î²-Divergence Applied to Source Apportionment. Entropy, 2019, 21, 253.	2.2	6
16	PM2.5-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.	7.5	30
17	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.	2.4	12
18	In vitro evaluation of organic extractable matter from ambient PM2.5 using human bronchial epithelial BEAS-2B cells: Cytotoxicity, oxidative stress, pro-inflammatory response, genotoxicity, and cell cycle deregulation. Environmental Research, 2019, 171, 510-522.	7.5	74

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19	Physico-chemical characterization and inÂvitro inflammatory and oxidative potency of atmospheric particles collected in Dakar city's (Senegal). Environmental Pollution, 2019, 245, 568-581.	7.5	13
20	Influence of ship emissions on NOx, SO2, O3 and PM concentrations in a North-Sea harbor in France. Journal of Environmental Sciences, 2018, 71, 56-66.	6.1	56
21	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. Environmental Chemistry Letters, 2018, 16, 439-475.	16.2	141
22	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.	6.1	35
23	Usefulness of toxicological validation of VOCs catalytic degradation by air-liquid interface exposure system. Environmental Research, 2017, 152, 328-335.	7.5	16
24	Smoker extracellular vesicles influence status of human bronchial epithelial cells. International Journal of Hygiene and Environmental Health, 2017, 220, 445-454.	4.3	26
25	Characterization of manganese-bearing particles in the vicinities of a manganese alloy plant. Chemosphere, 2017, 175, 411-424.	8.2	17
26	Contributions of local and regional anthropogenic sources of metals in PM2.5 at an urban site in northern France. Chemosphere, 2017, 181, 713-724.	8.2	81
27	Fine and ultrafine atmospheric particulate matter at a multi-influenced urban site: Physicochemical characterization, mutagenicity and cytotoxicity. Environmental Pollution, 2017, 221, 130-140.	7.5	65
28	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.	5.3	14
29	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.	6.1	44
30	Estimating airborne heavy metal concentrations in Dunkerque (northern France). Arabian Journal of Geosciences, 2016, 9, 1.	1.3	1
31	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, 114-128.	6.1	42
32	Essential oil components decrease pulmonary and hepatic cells inflammation induced by air pollution particulate matter. Environmental Chemistry Letters, 2016, 14, 345-351.	16.2	18
33	Chemical characteristics of PM 2.5â€“0.3 and PM 0.3 and consequence of a dust storm episode at an urban site in Lebanon. Atmospheric Research, 2016, 180, 274-286.	4.1	25
34	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.	7.8	16
35	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, 146-158.	7.5	54
36	Catalysts for NOx selective catalytic reduction by hydrocarbons (HC-SCR). Applied Catalysis A: General, 2015, 504, 542-548.	4.3	122

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37	Temporalâ€“spatial variations of the physicochemical characteristics of air pollution Particulate Matter (PM2.5â€“0.3) and toxicological effects in human bronchial epithelial cells (BEAS-2B). Environmental Research, 2015, 137, 256-267.	7.5	93
38	Effects of environmental cadmium and lead exposure on adults neighboring a discharge: Evidences of adverse health effects. Environmental Pollution, 2015, 206, 247-255.	7.5	67
39	Comparison between ultrafine and fine particulate matter collected in Lebanon: Chemical characterization, inÂvitro cytotoxic effects and metabolizing enzymes gene expression in human bronchial epithelial cells. Environmental Pollution, 2015, 205, 250-260.	7.5	32
40	Identification of by-products issued from the catalytic oxidation of toluene by chemical and biological methods. Comptes Rendus Chimie, 2015, 18, 1084-1093.	0.5	22
41	Genotoxic and epigenotoxic effects of fine particulate matter from rural and urban sites in Lebanon on human bronchial epithelial cells. Environmental Research, 2015, 136, 352-362.	7.5	68
42	Mutagenicity and clastogenicity of native airborne particulate matter samples collected under industrial, urban or rural influence. Toxicology in Vitro, 2014, 28, 866-874.	2.4	40
43	Traffic-related air pollution. A pilot exposure assessment in Beirut, Lebanon. Chemosphere, 2014, 96, 122-128.	8.2	31
44	Non-negative Matrix Factorization under equality constraintsâ€"a study of industrial source identification. Applied Numerical Mathematics, 2014, 85, 1-15.	2.1	20
45	Proinflammatory effects and oxidative stress within human bronchial epithelial cells exposed to atmospheric particulate matter (PM2.5 and PM>2.5) collected from Cotonou, Benin. Environmental Pollution, 2014, 185, 340-351.	7.5	136
46	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	0
47	Chemical profile identification of fugitive and confined particle emissions from an integrated iron and steelmaking plant. Journal of Hazardous Materials, 2013, 250-251, 246-255.	12.4	113
48	Investigation of Csâ€“Cu/ZrO2 systems for simultaneous NOx reduction and carbonaceous particles oxidation. Catalysis Today, 2012, 191, 90-95.	4.4	10
49	Comparison between Csâ€“Cu/ZrO2 and Csâ€“Co/ZrO2 catalysts for NOx reduction by toluene. Catalysis Today, 2012, 191, 42-46.	4.4	2
50	Relationship between physicochemical characterization and toxicity of fine particulate matter (PM2.5) collected in Dakar city (Senegal). Environmental Research, 2012, 113, 1-13.	7.5	69
51	Prooxidant and Proinflammatory Potency of Air Pollution Particulate Matter (PM_{2.5â€“0.3}) Produced in Rural, Urban, or Industrial Surroundings in Human Bronchial Epithelial Cells (BEAS-2B). Chemical Research in Toxicology, 2012, 25, 904-919.	3.3	118
52	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.	3.3	12
53	Sampling analysis and characterization of particles in the atmosphere of rural, urban and industrial areas. Procedia Environmental Sciences, 2011, 4, 218-227.	1.4	27
54	VOCs removal in the presence of NOx on Csâ€“Cu/ZrO2 catalysts. Catalysis Today, 2011, 176, 120-125.	4.4	13

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55	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). Advanced Materials Research, 2011, 324, 489-492.	0.3	5
56	Oxidative damage induced in A549 cells by physically and chemically characterized air particulate matter (PM_{2.5}) collected in Abidjan, CÃ´te d'Ivoire. Journal of Applied Toxicology, 2010, 30, 310-320.	2.8	56
57	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.	1.5	4
58	VOCs and carbonaceous particles removal assisted by NOx on alkali0.15/ZrO2 and Csxâ€"M0.1/ZrO2 catalysts (Mâ€…=â€…Cu or Co). Comptes Rendus Chimie, 2010, 13, 515-526.	0.5	6
59	Atmospheric aerosols behaviour at an industrial area in Northern France. International Journal of Environment and Pollution, 2009, 39, 286.	0.2	4
60	Ambient particulate matter (PM2.5): Physicochemical characterization and metabolic activation of the organic fraction in human lung epithelial cells (A549). Environmental Research, 2007, 105, 212-223.	7.5	138
61	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, 284-290.	2.8	84
62	Copper-vanadium-cerium oxide catalysts for carbon black oxidation. Applied Catalysis B: Environmental, 2007, 70, 247-253.	20.2	43
63	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.	3.7	15
64	Characterization of iron and manganese species in atmospheric aerosols from anthropogenic sources. Atmospheric Research, 2006, 82, 622-632.	4.1	32
65	A summer and winter apportionment of particulate matter at urban and rural areas in northern France. Atmospheric Research, 2006, 82, 633-642.	4.1	28
66	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, 519-528.	2.4	116
67	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.	4.2	137
68	Study of active species of Cu-K/ZrO2 catalysts involved in the oxidation of soot. Journal of Catalysis, 2006, 241, 456-464.	6.2	43
69	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, 166-175.	2.8	79
70	EPR investigation of iron in size segregated atmospheric aerosols collected at Dunkerque, Northern France. Atmospheric Environment, 2004, 38, 1201-1210.	4.1	12
71	Potential of Supported Copper and Potassium Oxide Catalysts in the Combustion of Carbonaceous Particles. Kinetics and Catalysis, 2004, 45, 580-588.	1.0	26
72	Identification of Vanadium Oxide Species and Trapped Single Electrons in Interaction with the CeVO4 Phase in Vanadiumâˆ’Cerium Oxide Systems. 51V MAS NMR, EPR, Raman, and Thermal Analysis Studies. Chemistry of Materials, 2002, 14, 4118-4125.	6.7	78

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73	Investigation of Binary and Ternary Cuâˆ'Vâˆ'Ce Oxides by X-ray Diffraction, Thermal Analysis, and Electron Paramagnetic Resonance. Chemistry of Materials, 2001, 13, 3862-3870.	6.7	19
74	EPR Investigation and Reactivity of Diesel Soot Activated (or not) with Cerium Compounds. Topics in Catalysis, 2001, 16/17, 263-268.	2.8	20
75	Characterization by solid state 51V NMR spectroscopy. Catalysis Today, 2000, 56, 379-387.	4.4	26
76	Preparation of highly dispersed copper oxide by thermal destruction of binuclear CuII monofluoroacetate in zeolite Y cavities. Russian Chemical Bulletin, 2000, 49, 1365-1368.	1.5	0
77	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.	4.7	9
78	Formation of CeVO4phase during the preparation of CuVCe oxide catalysts. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 3863-3867.	1.7	21
79	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.	4.4	39
80	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.	1.7	37
81	Effect of potassium on the surface potential of titania. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 895.	1.7	51
82	Inorganic Chemical Composition of Atmospheric Particulate Matter around Industrial Sites in Northern Lebanon. Advanced Materials Research, 0, 324, 477-480.	0.3	2