Frdric Ledoux

List of Publications by Citations

43 papers	1,348 citations	21 h-index	36 g-index
44 ext. papers	1,596 ext. citations	6.5 avg, IF	4.31 L-index

#	Paper	IF	Citations
43	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
42	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
41	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
40	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
39	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. *Environmental Chemistry Letters*, **2018**, 16, 439-475	13.3	80
38	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
37	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
36	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
35	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
34	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
33	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
32	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
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, 114-28	6.4	34
30	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
29	Aerosol formation yields from the reaction of catechol with ozone. *Atmospheric Environment*, **2009**, 43, 2360-2365	5.3	31
28	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
27	Characterization of iron and manganese species in atmospheric aerosols from anthropogenic sources. *Atmospheric Research*, **2006**, 82, 622-632	5.4	28

26	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
25	Secondary organic aerosol formation from the gas phase reaction of hydroxyl radicals with m-, o- and p-cresol. *Atmospheric Environment*, **2008**, 42, 3035-3045	5.3	25
24	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
23	Traffic-related air pollution. A pilot exposure assessment in Beirut, Lebanon. *Chemosphere*, **2014**, 96, 122-8	8.4	23
22	Chemical characteristics of PM2.5□.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
21	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
20	Cellular response and extracellular vesicles characterization of human macrophages exposed to fine atmospheric particulate matter. *Environmental Pollution*, **2019**, 254, 112933	9.3	17
19	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
18	Characterization of manganese-bearing particles in the vicinities of a manganese alloy plant. *Chemosphere*, **2017**, 175, 411-424	8.4	14
17	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
16	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
15	EPR investigation of iron in size segregated atmospheric aerosols collected at Dunkerque, Northern France. *Atmospheric Environment*, **2004**, 38, 1201-1210	5.3	12
14	EPR investigations of Mn2+, Fe3+ ions and carbonaceous radicals in atmospheric particulate aerosols during their transport over the eastern coast of the English Channel. *Atmospheric Environment*, **2002**, 36, 939-947	5.3	12
13	Atmospheric fine particulate matter and epithelial mesenchymal transition in pulmonary cells: state of the art and critical review of the studies. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2020**, 23, 293-318	8.6	10
12	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
11	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
10	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
9	Atmospheric aerosols behaviour at an industrial area in Northern France. *International Journal of Environment and Pollution*, **2009**, 39, 286	0.7	4

8	Informed Weighted Non-Negative Matrix Factorization Using -Divergence Applied to Source Apportionment. *Entropy*, **2019**, 21,	2.8	3
7	Une version pond□□e de la factorisation matricielle non n□gative pour l'identification de sources de particules atmosph□riques. Application au littoral de la mer du Nord. *Journal Europeen Des Systemes Automatises*, **2010**, 44, 547-566	1.8	3
6	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
5	Inorganic Chemical Composition of Atmospheric Particulate Matter around Industrial Sites in Northern Lebanon. *Advanced Materials Research*, **2011**, 324, 477-480	0.5	1
4	Estimating airborne heavy metal concentrations in Dunkerque (northern France). *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	1
3	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
2	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
1	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	