# Frdric Ledoux

## List of Publications by Year in Descending Order



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| 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 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | Informed Weighted Non-Negative Matrix Factorization Using -Divergence Applied to Source Apportionment. *Entropy*, **2019**, 21, | 2.8 | 3 |
| 34 | 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 |
| 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 | Cellular response and extracellular vesicles characterization of human macrophages exposed to fine atmospheric particulate matter. *Environmental Pollution*, **2019**, 254, 112933 | 9.3 | 17 |
| 31 | 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 |
| 30 | Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. *Environmental Chemistry Letters*, **2018**, 16, 439-475 | 13.3 | 80 |
| 29 | 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 |
| 28 | Characterization of manganese-bearing particles in the vicinities of a manganese alloy plant. *Chemosphere*, **2017**, 175, 411-424 | 8.4 | 14 |
| 27 | 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 |

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| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | Estimating airborne heavy metal concentrations in Dunkerque (northern France). *Arabian Journal of Geosciences*, **2016**, 9, 1 | 1.8 | 1 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | Traffic-related air pollution. A pilot exposure assessment in Beirut, Lebanon. *Chemosphere*, **2014**, 96, 122-8 | 8.4 | 23 |
| 16 | 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 | |
| 15 | 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 |
| 14 | Inorganic Chemical Composition of Atmospheric Particulate Matter around Industrial Sites in Northern Lebanon. *Advanced Materials Research*, **2011**, 324, 477-480 | 0.5 | 1 |
| 13 | 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 |
| 12 | Aerosol formation yields from the reaction of catechol with ozone. *Atmospheric Environment*, **2009**, 43, 2360-2365 | 5.3 | 31 |
| 11 | Atmospheric aerosols behaviour at an industrial area in Northern France. *International Journal of Environment and Pollution*, **2009**, 39, 286 | 0.7 | 4 |
| 10 | 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 |
| 9 | 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 |

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| 8 | 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 |
| 7 | Characterization of iron and manganese species in atmospheric aerosols from anthropogenic sources. *Atmospheric Research*, **2006**, 82, 622-632 | 5.4 | 28 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | EPR investigation of iron in size segregated atmospheric aerosols collected at Dunkerque, Northern France. *Atmospheric Environment*, **2004**, 38, 1201-1210 | 5.3 | 12 |
| 1 | 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 |