

Frédéric Ledoux

List of Publications by Year in descending order

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44
papers

1,823
citations

236912

25
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276858

41
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all docs

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docs citations

44
times ranked

2449
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycyclic aromatic hydrocarbon derivatives in airborne particulate matter: sources, analysis and toxicity. <i>Environmental Chemistry Letters</i> , 2018, 16, 439-475.	16.2	141
2	Ambient particulate matter (PM2.5): Physicochemical characterization and metabolic activation of the organic fraction in human lung epithelial cells (A549). <i>Environmental Research</i> , 2007, 105, 212-223.	7.5	138
3	Activation of different pathways of apoptosis by air pollution particulate matter (PM2.5) in human epithelial lung cells (L132) in culture. <i>Toxicology</i> , 2006, 225, 12-24.	4.2	137
4	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, 519-528.	2.4	116
5	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, 246-255.	12.4	113
6	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. <i>Journal of Applied Toxicology</i> , 2007, 27, 284-290.	2.8	84
7	Contributions of local and regional anthropogenic sources of metals in PM2.5 at an urban site in northern France. <i>Chemosphere</i> , 2017, 181, 713-724.	8.2	81
8	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, 166-175.	2.8	79
9	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. <i>Environmental Research</i> , 2019, 171, 510-522.	7.5	74
10	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, 352-362.	7.5	68
11	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.	7.5	65
12	Influence of ship emissions on NOx, SO2, O3 and PM concentrations in a North-Sea harbor in France. <i>Journal of Environmental Sciences</i> , 2018, 71, 56-66.	6.1	56
13	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.	6.1	44
14	PM2.5 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, 114-128.	6.1	42
15	Aerosol formation yields from the reaction of catechol with ozone. <i>Atmospheric Environment</i> , 2009, 43, 2360-2365.	4.1	41
16	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.	6.1	35
17	Cellular response and extracellular vesicles characterization of human macrophages exposed to fine atmospheric particulate matter. <i>Environmental Pollution</i> , 2019, 254, 112933.	7.5	34
18	Characterization of iron and manganese species in atmospheric aerosols from anthropogenic sources. <i>Atmospheric Research</i> , 2006, 82, 622-632.	4.1	32

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19	Secondary organic aerosol formation from the gas phase reaction of hydroxyl radicals with m-, o- and p-cresol. <i>Atmospheric Environment</i> , 2008, 42, 3035-3045.	4.1	32
20	Comparison between ultrafine and fine particulate matter collected in Lebanon: Chemical characterization, <i>in vitro</i> cytotoxic effects and metabolizing enzymes gene expression in human bronchial epithelial cells. <i>Environmental Pollution</i> , 2015, 205, 250-260.	7.5	32
21	Traffic-related air pollution. A pilot exposure assessment in Beirut, Lebanon. <i>Chemosphere</i> , 2014, 96, 122-128.	8.2	31
22	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. <i>Environmental Pollution</i> , 2019, 250, 782-791.	7.5	30
23	A summer and winter apportionment of particulate matter at urban and rural areas in northern France. <i>Atmospheric Research</i> , 2006, 82, 633-642.	4.1	28
24	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.	8.2	28
25	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. <i>Science of the Total Environment</i> , 2020, 748, 141448.	8.0	27
26	PM2.5 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.	6.1	26
27	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. <i>Atmospheric Pollution Research</i> , 2022, 13, 101261.	3.8	26
28	Chemical characteristics of PM 2.5 μ m 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.	4.1	25
29	Atmospheric fine particulate matter and epithelial mesenchymal transition in pulmonary cells: state of the art and critical review of the <i>in vitro</i> studies. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2020, 23, 293-318.	6.5	23
30	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. <i>Environmental Pollution</i> , 2020, 263, 114620.	7.5	22
31	Essential oil components decrease pulmonary and hepatic cells inflammation induced by air pollution particulate matter. <i>Environmental Chemistry Letters</i> , 2016, 14, 345-351.	16.2	18
32	Characterization of manganese-bearing particles in the vicinities of a manganese alloy plant. <i>Chemosphere</i> , 2017, 175, 411-424.	8.2	17
33	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.	5.3	14
34	Chemical profiles of PM2.5 emitted from various anthropogenic sources of the Eastern Mediterranean: Cooking, wood burning, and diesel generators. <i>Environmental Research</i> , 2022, 211, 113032.	7.5	14
35	EPR investigations of Mn ²⁺ , Fe ³⁺ ions and carbonaceous radicals in atmospheric particulate aerosols during their transport over the eastern coast of the English Channel. <i>Atmospheric Environment</i> , 2002, 36, 939-947.	4.1	12
36	EPR investigation of iron in size segregated atmospheric aerosols collected at Dunkerque, Northern France. <i>Atmospheric Environment</i> , 2004, 38, 1201-1210.	4.1	12

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37	Methods for the assessment of health risk induced by contaminants in atmospheric particulate matter: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3289-3311.	16.2	7
38	Informed Weighted Non-Negative Matrix Factorization Using \hat{I}^2 -Divergence Applied to Source Apportionment. <i>Entropy</i> , 2019, 21, 253.	2.2	6
39	Atmospheric aerosols behaviour at an industrial area in Northern France. <i>International Journal of Environment and Pollution</i> , 2009, 39, 286.	0.2	4
40	Une version pondérée de la factorisation matricielle non négative pour l'identification de sources de particules atmosphériques. Application au littoral de la mer du Nord. <i>Journal European Des Systemes Automatisés</i> , 2010, 44, 547-566.	0.4	4
41	Inorganic Chemical Composition of Atmospheric Particulate Matter around Industrial Sites in Northern Lebanon. <i>Advanced Materials Research</i> , 0, 324, 477-480.	0.3	2
42	A prospective pilot study of the T _H 1 lymphocyte response to fine particulate matter exposure. <i>Journal of Applied Toxicology</i> , 2020, 40, 619-630.	2.8	2
43	Estimating airborne heavy metal concentrations in Dunkerque (northern France). <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	1
44	The Use of a Non Negative Matrix Factorization Method Combined to PM2.5 Chemical Data for a Source Apportionment Study in Different Environments. <i>Springer Proceedings in Complexity</i> , 2014, , 79-84.	0.3	0