

Jean-Luc Besombes

List of Publications by Year in descending order

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34
papers

1,949
citations

257450

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361022

35
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all docs

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docs citations

46
times ranked

2194
citing authors

#	ARTICLE	IF	CITATIONS
1	Nine-year trends of PM ₁₀ sources and oxidative potential in a rural background site in France. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8701-8723.	4.9	16
2	Overview of the French Operational Network for In Situ Observation of PM Chemical Composition and Sources in Urban Environments (CARA Program). <i>Atmosphere</i> , 2021, 12, 207.	2.3	23
3	Source apportionment of atmospheric PM ₁₀ ; oxidative potential: synthesis of 15-year-round urban datasets in France. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11353-11378.	4.9	30
4	Emission factors and chemical characterization of particulate emissions from garden green waste burning. <i>Science of the Total Environment</i> , 2021, 798, 149367.	8.0	12
5	Arabitol, mannitol, and glucose as tracers of primary biogenic organic aerosol: the influence of environmental factors on ambient air concentrations and spatial distribution over France. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11013-11030.	4.9	35
6	Polyols and glucose particulate species as tracers of primary biogenic organic aerosols at 28 French sites. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3357-3374.	4.9	53
7	Comparison of PM ₁₀ Sources Profiles at 15 French Sites Using a Harmonized Constrained Positive Matrix Factorization Approach. <i>Atmosphere</i> , 2019, 10, 310.	2.3	41
8	Identification and quantification of particulate tracers of exhaust and non-exhaust vehicle emissions. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5187-5207.	4.9	93
9	Seasonal Variations and Chemical Predictors of Oxidative Potential (OP) of Particulate Matter (PM), for Seven Urban French Sites. <i>Atmosphere</i> , 2019, 10, 698.	2.3	31
10	Speciation of organic fraction does matter for source apportionment. Part 1: A one-year campaign in Grenoble (France). <i>Science of the Total Environment</i> , 2018, 624, 1598-1611.	8.0	56
11	An apportionment method for the oxidative potential of atmospheric particulate matter sources: application to a one-year study in Chamonix, France. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9617-9629.	4.9	66
12	Comparison between five acellular oxidative potential measurement assays performed with detailed chemistry on PM ₁₀ samples from the city of Chamonix (France). <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7863-7875.	4.9	109
13	Argon offline-AMS source apportionment of organic aerosol over yearly cycles for an urban, rural, and marine site in northern Europe. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 117-141.	4.9	59
14	Fast oxidation processes from emission to ambient air introduction of aerosol emitted by residential log wood stoves. <i>Atmospheric Environment</i> , 2016, 143, 15-26.	4.1	29
15	Effect of measurement protocol on organic aerosol measurements of exhaust emissions from gasoline and diesel vehicles. <i>Atmospheric Environment</i> , 2016, 140, 176-187.	4.1	27
16	DECOMBIO - Contribution de la combustion de la biomasse aux PM ₁₀ en vallée de l'Arve : mise en place et qualification d'un dispositif de suivi. <i>Pollution Atmosphérique</i> , 2016, , .	0.1	3
17	Near-highway aerosol and gas-phase measurements in a high-diesel environment. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4373-4387.	4.9	24
18	Source apportionment of PM ₁₀ in a north-western Europe regional urban background site (Lens, France) using positive matrix factorization and including primary biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3325-3346.	4.9	206

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19	Quantification of levoglucosan and its isomers by High Performance Liquid Chromatography with Electro-spray Ionization tandem Mass Spectrometry and its applications to atmospheric and soil samples. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 141-148.	3.1	53
20	Effect of the chemical composition of organic extracts from environmental and industrial atmospheric samples on the genotoxicity of polycyclic aromatic hydrocarbons mixtures. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 941-954.	1.2	9
21	Insights into the secondary fraction of the organic aerosol in a Mediterranean urban area: Marseille. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2059-2079.	4.9	90
22	Primary sources of PM _{2.5} ; organic aerosol in an industrial Mediterranean city, Marseille. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2039-2058.	4.9	95
23	Inter-comparison of source apportionment models for the estimation of wood burning aerosols during wintertime in an Alpine city (Grenoble, France). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5295-5314.	4.9	261
24	A new ozone denuder for aerosol sampling based on an ionic liquid coating. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 857-864.	3.7	11
25	Size-resolved, real-time measurement of water-insoluble aerosols in the Chamonix and Maurienne valleys of alpine France. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	2
26	Field Comparison of Particulate PAH Measurements Using a Low-Flow Denuder Device and Conventional Sampling Systems. <i>Environmental Science & Technology</i> , 2006, 40, 6398-6404.	10.0	71
27	Stimulation of Pyrene Mineralization in Freshwater Sediments by Bacterial and Plant Bioaugmentation. <i>Environmental Science & Technology</i> , 2005, 39, 5729-5735.	10.0	42
28	Aerosol studies during the ESCOMPTE experiment: an overview. <i>Atmospheric Research</i> , 2005, 74, 547-563.	4.1	53
29	Particulate PAHs observed in the surrounding of a municipal incinerator. <i>Atmospheric Environment</i> , 2001, 35, 6093-6104.	4.1	54
30	Improvement of poly(amphiphilic pyrrole) enzyme electrodes via the incorporation of synthetic laponite-clay-nanoparticles. <i>Talanta</i> , 1997, 44, 2209-2215.	5.5	55
31	A new method for the controlled immobilization of enzyme in inorganic gels (laponite) for amperometric glucose biosensing. <i>Sensors and Actuators B: Chemical</i> , 1996, 33, 44-49.	7.8	36
32	A biosensor as warning device for the detection of cyanide, chlorophenols, atrazine and carbamate pesticides. <i>Analytica Chimica Acta</i> , 1995, 311, 255-263.	5.4	119
33	Improvement of the analytical characteristics of an enzyme electrode for free and total cholesterol via laponite clay additives. <i>Analytica Chimica Acta</i> , 1995, 317, 275-280.	5.4	69
34	Adsorption at the mercury electrode in relation to micelle and mixed micelle formation. Case of electroreducible phenoxyalkyl sulfates and SDS. <i>Journal of Electroanalytical Chemistry</i> , 1993, 349, 127-139.	3.8	5