Jean-Luc Besombes

List of Publications by Year
in descending order

34	1,949	257450 24	361022 35
papers	citations	h-index	g-index

46	46	46	2194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inter-comparison of source apportionment models for the estimation of wood burning aerosols during wintertime in an Alpine city (Grenoble, France). Atmospheric Chemistry and Physics, 2010, 10, 5295-5314.	4.9	261
2	Source apportionment of PM₁₀ in a north-western Europe regional urban background site (Lens, France) using positive matrix factorization and including primary biogenic emissions. Atmospheric Chemistry and Physics, 2014, 14, 3325-3346.	4.9	206
3	A biosensor as warning device for the detection of cyanide, chlorophenols, atrazine and carbamate pesticides. Analytica Chimica Acta, 1995, 311, 255-263.	5.4	119
4	Comparison between five acellular oxidative potential measurement assays performed with detailed chemistry on PM₁₀ samples from the city of Chamonix (France). Atmospheric Chemistry and Physics, 2018, 18, 7863-7875.	4.9	109
5	Primary sources of PM_{2.5} organic aerosol in an industrial Mediterranean city, Marseille. Atmospheric Chemistry and Physics, 2011, 11, 2039-2058.	4.9	95
6	Identification and quantification of particulate tracers of exhaust and non-exhaust vehicle emissions. Atmospheric Chemistry and Physics, 2019, 19, 5187-5207.	4.9	93
7	Insights into the secondary fraction of the organic aerosol in a Mediterranean urban area: Marseille. Atmospheric Chemistry and Physics, 2011, 11, 2059-2079.	4.9	90
8	Field Comparison of Particulate PAH Measurements Using a Low-Flow Denuder Device and Conventional Sampling Systems. Environmental Science & Technology, 2006, 40, 6398-6404.	10.0	71
9	Improvement of the analytical characteristics of an enzyme electrode for free and total cholesterol via laponite clay additives. Analytica Chimica Acta, 1995, 317, 275-280.	5.4	69
10	An apportionment method for the oxidative potential of atmospheric particulate matter sources: application to a one-year study in Chamonix, France. Atmospheric Chemistry and Physics, 2018, 18, 9617-9629.	4.9	66
11	Argon offline-AMS source apportionment of organic aerosol over yearly cycles for an urban, rural, and marine site in northern Europe. Atmospheric Chemistry and Physics, 2017, 17, 117-141.	4.9	59
12	Speciation of organic fraction does matter for source apportionment. Part 1: A one-year campaign in Grenoble (France). Science of the Total Environment, 2018, 624, 1598-1611.	8.0	56
13	Improvement of poly(amphiphilic pyrrole) enzyme electrodes via the incorporation of synthetic laponite-clay-nanoparticles1. Talanta, 1997, 44, 2209-2215.	5.5	55
14	Particulate PAHs observed in the surrounding of a municipal incinerator. Atmospheric Environment, 2001, 35, 6093-6104.	4.1	54
15	Aerosol studies during the ESCOMPTE experiment: an overview. Atmospheric Research, 2005, 74, 547-563.	4.1	53
16	Quantification of levoglucosan and its isomers by High Performance Liquid Chromatography â€“ Electrospray Ionization tandem Mass Spectrometry and its applications to atmospheric and soil samples. Atmospheric Measurement Techniques, 2012, 5, 141-148.	3.1	53
17	Polyols and glucose particulate species as tracers of primary biogenic organic aerosols at 28 French sites. Atmospheric Chemistry and Physics, 2019, 19, 3357-3374.	4.9	53
18	Stimulation of Pyrene Mineralization in Freshwater Sediments by Bacterial and Plant Bioaugmentation. Environmental Science & Technology, 2005, 39, 5729-5735.	10.0	42

#	Article	IF	Citations
19	Comparison of PM10 Sources Profiles at 15 French Sites Using a Harmonized Constrained Positive Matrix Factorization Approach. Atmosphere, 2019, 10, 310.	2.3	41
20	A new method for the controlled immobilization of enzyme in inorganic gels (laponite) for amperometric glucose biosensing. Sensors and Actuators B: Chemical, 1996, 33, 44-49.	7.8	36
21	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. Atmospheric Chemistry and Physics, 2019, 19, 11013-11030.	4.9	35
22	Seasonal Variations and Chemical Predictors of Oxidative Potential (OP) of Particulate Matter (PM), for Seven Urban French Sites. Atmosphere, 2019, 10, 698.	2.3	31
23	Source apportionment of atmospheric PM₁₀ oxidative potential: synthesis of 15Âyear-round urban datasets in France. Atmospheric Chemistry and Physics, 2021, 21, 11353-11378.	4.9	30
24	Fast oxidation processes from emission to ambient air introduction of aerosol emitted by residential log wood stoves. Atmospheric Environment, 2016, 143, 15-26.	4.1	29
25	Effect of measurement protocol on organic aerosol measurements of exhaust emissions from gasoline and diesel vehicles. Atmospheric Environment, 2016, 140, 176-187.	4.1	27
26	Near-highway aerosol and gas-phase measurements in a high-diesel environment. Atmospheric Chemistry and Physics, 2015, 15, 4373-4387.	4.9	24
27	Overview of the French Operational Network for In Situ Observation of PM Chemical Composition and Sources in Urban Environments (CARA Program). Atmosphere, 2021, 12, 207.	2.3	23
28	Nine-year trends of PM₁₀ sources and oxidative potential in a rural background site in France. Atmospheric Chemistry and Physics, 2022, 22, 8701-8723.	4.9	16
29	Emission factors and chemical characterization of particulate emissions from garden green waste burning. Science of the Total Environment, 2021, 798, 149367.	8.0	12
30	A new ozone denuder for aerosol sampling based on an ionic liquid coating. Analytical and Bioanalytical Chemistry, 2010, 396, 857-864.	3.7	11
31	Effect of the chemical composition of organic extracts from environmental and industrial atmospheric samples on the genotoxicity of polycyclic aromatic hydrocarbons mixtures. Toxicological and Environmental Chemistry, 2011, 93, 941-954.	1.2	9
32	Adsorption at the mercury electrode in relation to micelle and mixed micelle formation. Case of electroreducible phenoxyalkyl sulfates and SDS. Journal of Electroanalytical Chemistry, 1993, 349, 127-139.	3.8	5
33	DECOMBIO - Contribution de la combustion de la biomasse aux PM10 en vallÃ©e de lâ€™Arve : mise en place et qualification dâ€™un dispositif de suivi. Pollution Atmospherique, 2016, , .	0.1	3
34	Size-resolved, real-time measurement of water-insoluble aerosols in the Chamonix and Maurienne valleys of alpine France. Journal of Geophysical Research, 2006, 111, .	3.3	2