

Alexandre Albinet

List of Publications by Citations

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37
papers

1,429
citations

21
h-index

37
g-index

55
ext. papers

1,814
ext. citations

8
avg, IF

4.5
L-index

#	Paper	IF	Citations
37	Polycyclic aromatic hydrocarbons (PAHs), nitrated PAHs and oxygenated PAHs in ambient air of the Marseilles area (South of France): concentrations and sources. <i>Science of the Total Environment</i> , 2007 , 384, 280-92	10.2	257
36	Sources of particulate-matter air pollution and its oxidative potential in Europe. <i>Nature</i> , 2020 , 587, 414-419	41.4	128
35	Reactivity of polycyclic aromatic compounds (PAHs, NPAHs and OPAHs) adsorbed on natural aerosol particles exposed to atmospheric oxidants. <i>Atmospheric Environment</i> , 2012 , 61, 15-22	5.3	112
34	Diurnal/nocturnal concentrations and sources of particulate-bound PAHs, OPAHs and NPAHs at traffic and suburban sites in the region of Paris (France). <i>Science of the Total Environment</i> , 2012 , 437, 297-305	10.2	106
33	Seasonal variability and source apportionment of volatile organic compounds (VOCs) in the Paris megacity (France). <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11961-11989	6.8	101
32	On-road traffic emissions of polycyclic aromatic hydrocarbons and their oxy- and nitro- derivative compounds measured in road tunnel environments. <i>Science of the Total Environment</i> , 2016 , 566-567, 1131-1142	10.2	82
31	One-year study of polycyclic aromatic compounds at an urban site in Grenoble (France): Seasonal variations, gas/particle partitioning and cancer risk estimation. <i>Science of the Total Environment</i> , 2016 , 565, 1071-1083	10.2	74
30	Photochemical generation of reactive species upon irradiation of rainwater: negligible photoactivity of dissolved organic matter. <i>Science of the Total Environment</i> , 2010 , 408, 3367-73	10.2	50
29	Sources and atmospheric chemistry of oxy- and nitro-PAHs in the ambient air of Grenoble (France). <i>Atmospheric Environment</i> , 2017 , 161, 144-154	5.3	40
28	Evidence of major secondary organic aerosol contribution to lensing effect black carbon absorption enhancement. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	37
27	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	10.2	35
26	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	6.8	33
25	Evaluation of a Conceptual Model for Gas-Particle Partitioning of Polycyclic Aromatic Hydrocarbons Using Polyparameter Linear Free Energy Relationships. <i>Environmental Science & Technology</i> , 2016 , 50, 12312-12319	10.3	33
24	Field characterization of the PM _{2.5} ; Aerosol Chemical Speciation Monitor: insights into the composition, sources, and processes of fine particles in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14501-14517	6.8	32
23	Phototransformation processes of 2,4-dinitrophenol, relevant to atmospheric water droplets. <i>Chemosphere</i> , 2010 , 80, 753-8	8.4	32
22	Limited formation of isoprene epoxydiols-derived secondary organic aerosol under NO _x -rich environments in Eastern China. <i>Geophysical Research Letters</i> , 2017 , 44, 2035	4.9	31
21	Six-year source apportionment of submicron organic aerosols from near-continuous highly time-resolved measurements at SIRTa (Paris area, France). <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14755-14776	6.8	29

20	Comparison of Measurement-Based Methodologies to Apportion Secondary Organic Carbon (SOC) in PM _{2.5} : A Review of Recent Studies. <i>Atmosphere</i> , 2018 , 9, 452	2.7	26
19	Comparison of PM ₁₀ Sources Profiles at 15 French Sites Using a Harmonized Constrained Positive Matrix Factorization Approach. <i>Atmosphere</i> , 2019 , 10, 310	2.7	23
18	Formation of substances with humic-like fluorescence properties, upon photoinduced oligomerization of typical phenolic compounds emitted by biomass burning. <i>Atmospheric Environment</i> , 2019 , 206, 197-207	5.3	22
17	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	5.3	22
16	Substantial brown carbon emissions from wintertime residential wood burning over France. <i>Science of the Total Environment</i> , 2020 , 743, 140752	10.2	20
15	Seasonal Variations and Chemical Predictors of Oxidative Potential (OP) of Particulate Matter (PM), for Seven Urban French Sites. <i>Atmosphere</i> , 2019 , 10, 698	2.7	19
14	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	6.8	18
13	UVA irradiation induces direct phototransformation of 2,4-dinitrophenol in surface water samples. <i>Chemosphere</i> , 2010 , 80, 759-63	8.4	15
12	A new ozone denuder for aerosol sampling based on an ionic liquid coating. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 857-64	4.4	11
11	Analysis and determination of secondary organic aerosol (SOA) tracers (markers) in particulate matter standard reference material (SRM 1649b, urban dust). <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5975-5983	4.4	8
10	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	2.7	8
9	Disparities in particulate matter (PM ₁₀) origins and oxidative potential at a city scale (Grenoble, France) [Part 2: Sources of PM ₁₀ ; oxidative potential using multiple linear regression analysis and the predictive applicability of multilayer perceptron neural networks]. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 2719-2732	6.8	6
8	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	6.8	4
7	Atmospheric reactions of 9,10-anthraquinone. <i>Chemosphere</i> , 2014 , 107, 1-6	8.4	3
6	Nitrate radical generation via continuous generation of dinitrogen pentoxide in a laminar flow reactor coupled to an oxidation flow reactor. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 2397-2414	14	2
5	Polycyclic aromatic hydrocarbons (PAHs) and their nitrated and oxygenated derivatives in the Arctic boundary layer: seasonal trends and local anthropogenic influence. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 14351-14370	6.8	2
4	Field characterization of the PM _{2.5} ; Aerosol Chemical Speciation Monitor: insights into the composition, sources and processes of fine particles in Eastern China 2017 ,		1
3	Emission factors and chemical characterization of particulate emissions from garden green waste burning. <i>Science of the Total Environment</i> , 2021 , 798, 149367	10.2	1

- 2 Modelling aerosol molecular markers in a 3D air quality model: Focus on anthropogenic organic markers.. *Science of the Total Environment*, **2022**, 155360 10.2 0
- 1 PM10 Chemical Profile during North African Dust Episodes over French West Indies. *Atmosphere*, **2021**, 12, 277 2.7