

Olivier Favez

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,116
citations

20
h-index

33
g-index

44
ext. papers

1,461
ext. citations

6.6
avg, IF

4.08
L-index

#	Paper	IF	Citations
43	Evidence for a significant contribution of wood burning aerosols to PM _{2.5} during the winter season in Paris, France. <i>Atmospheric Environment</i> , 2009 , 43, 3640-3644	5.3	128
42	Sources of particulate-matter air pollution and its oxidative potential in Europe. <i>Nature</i> , 2020 , 587, 414-419	41.4	128
41	Size-partitioning of an urban aerosol to identify particle determinants involved in the proinflammatory response induced in airway epithelial cells. <i>Particle and Fibre Toxicology</i> , 2009 , 6, 10	8.4	73
40	Seasonality of major aerosol species and their transformations in Cairo megacity. <i>Atmospheric Environment</i> , 2008 , 42, 1503-1516	5.3	65
39	Assessing in near real time the impact of the April 2010 Eyjafjallajökull ash plume on air quality. <i>Atmospheric Environment</i> , 2011 , 45, 1217-1221	5.3	54
38	Characterization and contribution to PM _{2.5} of semi-volatile aerosols in Paris (France). <i>Atmospheric Environment</i> , 2007 , 41, 7969-7976	5.3	46
37	A European aerosol phenomenology 6: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7877-7911	6.8	46
36	The filter-loading effect by ambient aerosols in filter absorption photometers depends on the coating of the sampled particles. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 1043-1059	4	43
35	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
34	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
33	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
32	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
31	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
30	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 4353-4392	4	32
29	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
28	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
27	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

26	The second ACTRIS inter-comparison (2016) for Aerosol Chemical Speciation Monitors (ACSM): Calibration protocols and instrument performance evaluations. <i>Aerosol Science and Technology</i> , 2019 , 53, 830-842	3.4	25
25	Comparison of PM10 Sources Profiles at 15 French Sites Using a Harmonized Constrained Positive Matrix Factorization Approach. <i>Atmosphere</i> , 2019 , 10, 310	2.7	23
24	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
23	Substantial brown carbon emissions from wintertime residential wood burning over France. <i>Science of the Total Environment</i> , 2020 , 743, 140752	10.2	20
22	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
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. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 11013-11030	6.8	18
20	Sources of organic aerosols in Europe: a modeling study using CAMx with modified volatility basis set scheme. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 15247-15270	6.8	16
19	Ammonia and PM2.5 Air Pollution in Paris during the 2020 COVID Lockdown. <i>Atmosphere</i> , 2021 , 12, 160	2.7	14
18	Long-range and local air pollution: what can we learn from chemical speciation of particulate matter at paired sites?. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 409-429	6.8	10
17	High Resolution Chemistry Transport Modeling with the On-Line CHIMERE-WRF Model over the French Alps: Analysis of a Feedback of Surface Particulate Matter Concentrations on Mountain Meteorology. <i>Atmosphere</i> , 2020 , 11, 565	2.7	9
16	Sources and Geographical Origins of PM10 in Metz (France) Using Oxalate as a Marker of Secondary Organic Aerosols by Positive Matrix Factorization Analysis. <i>Atmosphere</i> , 2019 , 10, 370	2.7	9
15	Large-scale particulate air pollution and chemical fingerprint of volcanic sulfate aerosols from the 2014-2015 Holuhraun flood lava eruption of Bárðunga volcano (Iceland). <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14253-14287	6.8	9
14	Disparities in particulate matter (PM ₁₀) origins and oxidative potential at a city scale (Grenoble, France) [Part 1: Source apportionment at three neighbouring sites. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5415-5437	6.8	8
13	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
12	Meteorology-driven variability of air pollution (PM1) revealed with explainable machine learning		5
11	Response of atmospheric composition to COVID-19 lockdown measures during spring in the Paris region (France). <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 17167-17183	6.8	4
10	High Contribution of Sea Salt Aerosols on Atmospheric Particles Measured at an Urban Tropical Location in Reunion Island. <i>Journal of Environmental Protection</i> , 2013 , 04, 828-842	0.6	4
9	Simultaneous Roadside and Urban Background Measurements of Submicron Aerosol Number Concentration and Size Distribution (in the Range 20-800 nm), along with Chemical Composition in Strasbourg, France. <i>Atmosphere</i> , 2021 , 12, 71	2.7	4

8	Variability of the Atmospheric PM Microbiome in Three Climatic Regions of France. <i>Frontiers in Microbiology</i> , 2020 , 11, 576750	5.7	4
7	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
6	Impact of a Saharan dust outbreak on PM ₁₀ ground levels in Southeastern France. <i>Climatologie</i> , 2015 , 12, 65-82	0.1	1
5	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
4	European Aerosol Phenomenology - 8: Harmonised Source Apportionment of Organic Aerosol using 22 Year-long ACSM/AMS Datasets. <i>Environment International</i> , 2022 , 107325	12.9	1
3	Modelling aerosol molecular markers in a 3D air quality model: Focus on anthropogenic organic markers.. <i>Science of the Total Environment</i> , 2022 , 155360	10.2	0
2	Cellulose in atmospheric particulate matter at rural and urban sites across France and Switzerland. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 6021-6043	6.8	0
1	PM ₁₀ Chemical Profile during North African Dust Episodes over French West Indies. <i>Atmosphere</i> , 2021 , 12, 277	2.7	