

# StÃ©phane Sauvage

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,594  
citations

279798

23  
h-index

345221

36  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1959  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.9	152
2	Volatile and intermediate volatility organic compounds in suburban Paris: variability, origin and importance for SOA formation. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10439-10464.	4.9	97
3	Total OH reactivity measurements in Paris during the 2010 MEGAPOLI winter campaign. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9593-9612.	4.9	95
4	Radical budget analysis in a suburban European site during the MEGAPOLI summer field campaign. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11951-11974.	4.9	84
5	Long term measurement and source apportionment of non-methane hydrocarbons in three French rural areas. <i>Atmospheric Environment</i> , 2009, 43, 2430-2441.	4.1	80
6	Volatile organic compounds sources in Paris in spring 2007. Part II: source apportionment using positive matrix factorisation. <i>Environmental Chemistry</i> , 2011, 8, 91.	1.5	63
7	Discrepancy between simulated and observed ethane and propane levels explained by underestimated fossil emissions. <i>Nature Geoscience</i> , 2018, 11, 178-184.	12.9	56
8	Variability of mineral dust deposition in the western Mediterranean basin and south-east of France. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8749-8766.	4.9	51
9	Volatile organic compounds sources in Paris in spring 2007. Part I: qualitative analysis. <i>Environmental Chemistry</i> , 2011, 8, 74.	1.5	49
10	Organic carbon at a remote site of the western Mediterranean Basin: sources and chemistry during the ChArMEx SOP2 field experiment. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8837-8865.	4.9	45
11	Origin and variability in volatile organic compounds observed at an Eastern Mediterranean background site (Cyprus). <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11355-11388.	4.9	44
12	Source apportionment vs. emission inventories of non-methane hydrocarbons (NMHC) in an urban area of the Middle East: local and global perspectives. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3595-3607.	4.9	43
13	Contrasted spatial and long-term trends in precipitation chemistry and deposition fluxes at rural stations in France. <i>Atmospheric Environment</i> , 2016, 146, 28-43.	4.1	38
14	A study of the source-receptor relationships influencing the acidity of precipitation collected at a rural site in France. <i>Atmospheric Environment</i> , 2000, 34, 3665-3674.	4.1	34
15	Driving parameters of biogenic volatile organic compounds and consequences on new particle formation observed at an eastern Mediterranean background site. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14297-14325.	4.9	33
16	Exploring the seasonal NMHC distribution in an urban area of the Middle East during ECOCEM campaigns: very high loadings dominated by local emissions and dynamics. <i>Environmental Chemistry</i> , 2015, 12, 316.	1.5	30
17	Spatial analysis of trace elements in a moss bio-monitoring data over France by accounting for source, protocol and environmental parameters. <i>Science of the Total Environment</i> , 2017, 590-591, 602-610.	8.0	30
18	Anthropogenic VOCs in Abidjan, southern West Africa: from source quantification to atmospheric impacts. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11721-11741.	4.9	30

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19	Speciation of non-methane hydrocarbons (NMHCs) from anthropogenic sources in Beirut, Lebanon. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10867-10877.	5.3	29
20	ACTRIS non-methane hydrocarbon intercomparison experiment in Europe to support WMO GAW and EMEP observation networks. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2715-2736.	3.1	28
21	Multi-year levels and trends of non-methane hydrocarbon concentrations observed in ambient air in France. <i>Atmospheric Environment</i> , 2016, 141, 263-275.	4.1	28
22	Composition and variability of gaseous organic pollution in the port megacity of Istanbul: source attribution, emission ratios, and inventory evaluation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15131-15156.	4.9	28
23	Simulation of fine organic aerosols in the western Mediterranean area during the ChArMEx 2013 summer campaign. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7287-7312.	4.9	27
24	Non-methane hydrocarbon variability in Athens during wintertime: the role of traffic and heating. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16139-16154.	4.9	25
25	Development of a methodology examining the behaviours of VOCs source apportionment with micro-meteorology analysis in an urban and industrial area. <i>Environmental Pollution</i> , 2012, 162, 15-28.	7.5	24
26	Modeling air pollution in Lebanon: evaluation at a suburban site in Beirut during summer. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5873-5886.	4.9	23
27	Development of a sampling method for the simultaneous monitoring of straight-chain alkanes, straight-chain saturated carbonyl compounds and monoterpenes in remote areas. <i>Journal of Environmental Monitoring</i> , 2011, 13, 983.	2.1	22
28	Summertime OH reactivity from a receptor coastal site in the Mediterranean Basin. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12645-12658.	4.9	21
29	Quantitative cancer risk assessment and local mortality burden for ambient air pollution in an eastern Mediterranean City. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14151-14162.	5.3	20
30	Optimization of a gas chromatographic unit for measuring biogenic volatile organic compounds in ambient air. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6153-6171.	3.1	20
31	Trends in Chemical Composition of Wet-only Precipitation at Rural French Monitoring Stations Over the 1990-2003 Period. <i>Water, Air and Soil Pollution</i> , 2007, 7, 49-58.	0.8	19
32	Yearlong measurements of monoterpenes and isoprene in a Mediterranean city (Athens): Natural vs anthropogenic origin. <i>Atmospheric Environment</i> , 2020, 243, 117803.	4.1	19
33	Assessment of the uncertainty of trace metal and nitrogen concentrations in mosses due to sampling, sample preparation and chemical analysis based on the French contribution to ICP-Vegetation. <i>Ecological Indicators</i> , 2016, 71, 20-31.	6.3	18
34	Seasonal variation and origins of volatile organic compounds observed during 2 years at a western Mediterranean remote background site (Ersa, Cape Corsica). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1449-1484.	4.9	17
35	Intercomparison between three receptor-oriented models applied to acidic species in precipitation. <i>Science of the Total Environment</i> , 1998, 223, 53-63.	8.0	15
36	Composition of gaseous organic carbon during ECOCEM in Beirut, Lebanon: new observational constraints for VOC anthropogenic emission evaluation in the Middle East. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 193-209.	4.9	15

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37	Source and behavior of isoprenoid compounds at a southern France remote site. <i>Atmospheric Environment</i> , 2013, 77, 272-282.	4.1	14
38	Investigation of the geographical origins of PM10 based on long, medium and short-range air mass back-trajectories impacting Northern France during the period 2009–2013. <i>Atmospheric Environment</i> , 2018, 193, 143-152.	4.1	14
39	Characterizing the regional contribution to PM10 pollution over northern France using two complementary approaches: Chemistry transport and trajectory-based receptor models. <i>Atmospheric Research</i> , 2019, 223, 1-14.	4.1	13
40	Influence of local production and vertical transport on the organic aerosol budget over Paris. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8276-8296.	3.3	12
41	Field measurements of methylglyoxal using proton transfer reaction time-of-flight mass spectrometry and comparison to the DNPH–HPLC–UV method. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5729-5740.	3.1	12
42	Variability of hydroxyl radical (OH) reactivity in the Landes maritime pine forest: results from the LANDEX campaign 2017. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1277-1300.	4.9	11
43	Variability and sources of non-methane hydrocarbons at a Mediterranean urban atmosphere: The role of biomass burning and traffic emissions. <i>Science of the Total Environment</i> , 2021, 800, 149389.	8.0	10
44	A Comparison of Precipitation Sensors Used on the Wet-Only Collectors. <i>Environmental Monitoring and Assessment</i> , 1998, 51, 657-671.	2.7	8
45	Assessing temporal trends of trace metal concentrations in mosses over France between 1996 and 2011: A flexible and robust method to account for heterogeneous sampling strategies. <i>Environmental Pollution</i> , 2017, 220, 828-836.	7.5	8
46	Atmospheric reactivity of biogenic volatile organic compounds in a maritime pine forest during the LANDEX episode 1 field campaign. <i>Science of the Total Environment</i> , 2021, 756, 144129.	8.0	7
47	Role of Criegee intermediates in the formation of sulfuric acid at a Mediterranean (Cape Corsica) site under influence of biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13333-13351.	4.9	6
48	Possible source areas and influential factors for sulphur compounds in Morvan, France. <i>Atmospheric Environment</i> , 2001, 35, 1387-1393.	4.1	5
49	Molecular characterization of gaseous and particulate oxygenated compounds at a remote site in Cape Corsica in the western Mediterranean Basin. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8067-8088.	4.9	5
50	Variability and sources of NMHCs at a coastal urban location in the Piraeus Port, Greece. <i>Atmospheric Pollution Research</i> , 2022, 13, 101386.	3.8	4
51	Spatial and temporal variability of BTEX in Paris megacity: Two-wheelers as a major driver. <i>Atmospheric Environment: X</i> , 2019, 1, 100003.	1.4	3
52	Trends in Chemical Composition of Wet-only Precipitation at Rural French Monitoring Stations Over the 1990–2003 Period. , 2007, , 49-58.		0
53	Trends and sources identification of non-methane hydrocarbons (NMHC) concentration in rural areas in France. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	0