

Jean-Eudes Petit

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7907020/publications.pdf>

Version: 2024-02-01

46
papers

2,257
citations

218381

26
h-index

243296

44
g-index

92
all docs

92
docs citations

92
times ranked

2501
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.9	206
2	A user-friendly tool for comprehensive evaluation of the geographical origins of atmospheric pollution: Wind and trajectory analyses. <i>Environmental Modelling and Software</i> , 2017, 88, 183-187.	1.9	168
3	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.	1.9	152
4	Two years of near real-time chemical composition of submicron aerosols in the region of Paris using an Aerosol Chemical Speciation Monitor (ACSM) and a multi-wavelength Aethalometer. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2985-3005.	1.9	138
5	A one-year comprehensive chemical characterisation of fine aerosol (PM _{2.5}) at urban, suburban and rural background sites in the region of Paris (France). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7825-7844.	1.9	136
6	Sources and geographical origins of fine aerosols in Paris (France). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8813-8839.	1.9	130
7	ACTRIS ACSM intercomparison – Part 1: Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with co-located instruments. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 5063-5087.	1.2	104
8	Real-time measurement and source apportionment of elements in Delhi's atmosphere. <i>Science of the Total Environment</i> , 2020, 742, 140332.	3.9	78
9	European aerosol phenomenology – 6: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7877-7911.	1.9	76
10	Submicron aerosol source apportionment of wintertime pollution in Paris, France by double positive matrix factorization (PMF ₂₊₂) using an aerosol chemical speciation monitor (ACSM) and a multi-wavelength Aethalometer. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13773-13787.	1.9	74
11	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.	1.2	65
12	A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. <i>Atmospheric Environment</i> , 2015, 123, 240-250.	1.9	63
13	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.	1.2	60
14	Characterising an intense PM pollution episode in March 2015 in France from multi-site approach and near real time data: Climatology, variabilities, geographical origins and model evaluation. <i>Atmospheric Environment</i> , 2017, 155, 68-84.	1.9	52
15	Assessing the ammonium nitrate formation regime in the Paris megacity and its representation in the CHIMERE model. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10419-10440.	1.9	50
16	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.	1.9	49
17	Atmospheric measurements of ratios between CO ₂ and co-emitted species from traffic: a tunnel study in the Paris megacity. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12871-12882.	1.9	47
18	Meteorology-driven variability of air pollution (PM ₁) revealed with explainable machine learning. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3919-3948.	1.9	46

#	ARTICLE	IF	CITATIONS
19	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.	1.9	45
20	Substantial brown carbon emissions from wintertime residential wood burning over France. <i>Science of the Total Environment</i> , 2020, 743, 140752.	3.9	41
21	European aerosol phenomenology \hat{a}° 8: Harmonised source apportionment of organic aerosol using 22 Year-long ACSM/AMS datasets. <i>Environment International</i> , 2022, 166, 107325.	4.8	41
22	Speciation of organic fractions does matter for aerosol source apportionment. Part 3: Combining off-line and on-line measurements. <i>Science of the Total Environment</i> , 2019, 690, 944-955.	3.9	39
23	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.	1.5	35
24	Role of the boundary layer dynamics effects on an extreme air pollution event in Paris. <i>Atmospheric Environment</i> , 2016, 141, 571-579.	1.9	33
25	Ammonia and PM2.5 Air Pollution in Paris during the 2020 COVID Lockdown. <i>Atmosphere</i> , 2021, 12, 160.	1.0	32
26	Seasonality of the particle number concentration and size distribution: a global analysis retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17185-17223.	1.9	31
27	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.	1.0	23
28	A European aerosol phenomenology - 7: High-time resolution chemical characteristics of submicron particulate matter across Europe. <i>Atmospheric Environment: X</i> , 2021, 10, 100108.	0.8	23
29	Wood burning: A major source of Volatile Organic Compounds during wintertime in the Paris region. <i>Science of the Total Environment</i> , 2020, 711, 135055.	3.9	22
30	Multi-year ACSM measurements at the central European research station Melpitz (Germany) \hat{a}° Part 1: Instrument robustness, quality assurance, and impact of upper size cutoff diameter. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4973-4994.	1.2	20
31	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.	1.9	20
32	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.	1.0	18
33	Variability and Geographical Origin of Five Years Airborne Fungal Spore Concentrations Measured at Saclay, France from 2014 to 2018. <i>Remote Sensing</i> , 2019, 11, 1671.	1.8	16
34	Large-scale particulate air pollution and chemical fingerprint of volcanic sulfate aerosols from the 2014 \hat{a}° 2015 Holuhraun flood lava eruption of BÄrA°arbunga volcano (Iceland). <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14253-14287.	1.9	15
35	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 \hat{a}° 2013. <i>Atmospheric Environment</i> , 2018, 193, 143-152.	1.9	14
36	Temporal Variability and Geographical Origins of Airborne Pollen Grains Concentrations from 2015 to 2018 at Saclay, France. <i>Remote Sensing</i> , 2018, 10, 1932.	1.8	11

#	ARTICLE	IF	CITATIONS
37	Characterization of particulate and gaseous pollutants from a French dairy and sheep farm. <i>Science of the Total Environment</i> , 2020, 712, 135598.	3.9	11
38	Modeling organic aerosol concentrations and properties during winter 2014 in the northwestern Mediterranean region. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 18079-18100.	1.9	10
39	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, 2397-2411.	1.2	9
40	Integrated method for the measurement of trace nitrogenous atmospheric bases. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2795-2807.	1.2	7
41	Influence of biomass burning vapor wall loss correction on modeling organic aerosols in Europe by CAMx v6.50. <i>Geoscientific Model Development</i> , 2021, 14, 1681-1697.	1.3	5
42	Atmospheric Biodetection Part I: Study of Airborne Bacterial Concentrations from January 2018 to May 2020 at Saclay, France. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6292.	1.2	4
43	Long-term aerosol optical hygroscopicity study at the ACTRIS SIRTa observatory: synergy between ceilometer and in situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7883-7896.	1.9	3
44	Diurnal evolution of total column and surface atmospheric ammonia in the megacity of Paris, France, during an intense springtime pollution episode. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12091-12111.	1.9	2
45	Major Element Signatures of Silicate Dust Deposited on the West African Margin: Links With Transport Patterns and Provenance Regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035030.	1.2	0
46	Diagnostic Evaluations of the CHIMERE Model: Local Versus Advected Contributions of Fine Particles and Nitrate Formation Regime in the Paris Megacity. <i>Springer Proceedings in Complexity</i> , 2016, , 465-470.	0.2	0