Veronique Perraud

List of Publications by Year
in descending order

38 papers	1,584 citations	361413 20 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	2127 citing authors

#	Article	IF	Citations
1	Exposure to environmentally relevant concentrations of ambient fine particulate matter (PM2.5) depletes the ovarian follicle reserve and causes sex-dependent cardiovascular changes in apolipoprotein E null mice. Particle and Fibre Toxicology, 2022, 19, 5.	6.2	13
2	Probing Matrix Effects on the Heterogeneous Photochemistry of Neonicotinoid Pesticides, Dinotefuran and Nitenpyram. ACS Earth and Space Chemistry, 2021, 5, 1196-1209.	2.7	4
3	Novel ionization reagent for the measurement of gasâ€phase ammonia and amines using a standâ€alone atmospheric pressure gas chromatography (APGC) source. Rapid Communications in Mass Spectrometry, 2020, 34, e8561.	1.5	6
4	Evidence for a kinetically controlled burying mechanism for growth of high viscosity secondary organic aerosol. Environmental Sciences: Processes and Impacts, 2020, 22, 66-83.	3.5	14
5	Size-Resolved Chemical Composition of Sub-20 nm Particles from Methanesulfonic Acid Reactions with Methylamine and Ammonia. ACS Earth and Space Chemistry, 2020, 4, 1182-1194.	2.7	20
6	Open questions on the chemical composition of airborne particles. Communications Chemistry, 2020, 3, .	4.5	16
7	Enhanced Gas Uptake during Î±-Pinene Ozonolysis Points to a Burying Mechanism. ACS Earth and Space Chemistry, 2020, 4, 1435-1447.	2.7	4
8	Integrated experimental and theoretical approach to probe the synergistic effect of ammonia in methanesulfonic acid reactions with small alkylamines. Environmental Sciences: Processes and Impacts, 2020, 22, 305-328.	3.5	18
9	Chemical characterization of nanoparticles and volatiles present in mainstream hookah smoke. Aerosol Science and Technology, 2019, 53, 1023-1039.	3.1	8
10	Role of Gas-Phase Halogen Bonding in Ambient Chemical Ionization Mass Spectrometry Utilizing Iodine. ACS Earth and Space Chemistry, 2019, 3, 1315-1328.	2.7	3
11	New Mechanism of Extractive Electrospray Ionization Mass Spectrometry for Heterogeneous Solid Particles. Analytical Chemistry, 2018, 90, 2055-2062.	6.5	22
12	Understanding interactions of organic nitrates with the surface and bulk of organic films: implications for particle growth in the atmosphere. Environmental Sciences: Processes and Impacts, 2018, 20, 1593-1610.	3.5	12
13	Uptake of water by an acidâ€“base nanoparticle: theoretical and experimental studies of the methanesulfonic acidâ€“methylamine system. Physical Chemistry Chemical Physics, 2018, 20, 22249-22259.	2.8	15
14	A cautionary note on the effects of laboratory air contaminants on ambient ionization mass spectrometry measurements. Rapid Communications in Mass Spectrometry, 2017, 31, 1659-1668.	1.5	12
15	Secondary organic aerosol from atmospheric photooxidationÂofÂindole. Atmospheric Chemistry and Physics, 2017, 17, 11605-11621.	4.9	21
16	New insights into atmospherically relevant reaction systems using direct analysis in real-time mass spectrometry (DART-MS). Atmospheric Measurement Techniques, 2017, 10, 1373-1386.	3.1	19
17	Challenges associated with the sampling and analysis of organosulfur compounds in air using real-time PTR-ToF-MS and offline GC-FID. Atmospheric Measurement Techniques, 2016, 9, 1325-1340.	3.1	27
18	Phase, composition, and growth mechanism for secondary organic aerosol from the ozonolysis of <i>Î±</i>-cedrene. Atmospheric Chemistry and Physics, 2016, 16, 3245-3264.	4.9	33

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19	The future of airborne sulfur-containing particles in the absence of fossil fuel sulfur dioxide emissions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13514-13519.	7.1	76
20	Role of the reaction of stabilized Criegee intermediates with peroxy radicals in particle formation and growth in air. Physical Chemistry Chemical Physics, 2015, 17, 12500-12514.	2.8	78
21	Measurement of gas-phase ammonia and amines in air by collection onto an ion exchange resin and analysis by ion chromatography. Atmospheric Measurement Techniques, 2014, 7, 2733-2744.	3.1	45
22	Amineâ€“Amine Exchange in Aminiumâ€“Methanesulfonate Aerosols. Journal of Physical Chemistry C, 2014, 118, 29431-29440.	3.1	31
23	Integrating phase and composition of secondary organic aerosol from the ozonolysis of Î±-pinene. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7552-7557.	7.1	130
24	New insights into secondary organic aerosol from the ozonolysis of Î±-pinene from combined infrared spectroscopy and mass spectrometry measurements. Physical Chemistry Chemical Physics, 2014, 16, 22706-22716.	2.8	24
25	Real-Time Emission Factor Measurements of Isocyanic Acid from Light Duty Gasoline Vehicles. Environmental Science & Technology, 2014, 48, 11405-11412.	10.0	38
26	Surfactant-free latex spheres for size calibration of mobility particle sizers in atmospheric aerosol applications. Atmospheric Environment, 2014, 82, 56-59.	4.1	9
27	A regional study of the seasonal variation in the molecular composition of rainwater. Atmospheric Environment, 2013, 77, 588-597.	4.1	41
28	Nonequilibrium atmospheric secondary organic aerosol formation and growth. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2836-2841.	7.1	261
29	Simplified mechanism for new particle formation from methanesulfonic acid, amines, and water via experiments and ab initio calculations. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18719-18724.	7.1	173
30	Analysis of secondary organic aerosols in air using extractive electrospray ionization mass spectrometry (EESI-MS). RSC Advances, 2012, 2, 2930.	3.6	44
31	Characterization of organic coatings on hygroscopic salt particles and their atmospheric impacts. Atmospheric Environment, 2010, 44, 1209-1218.	4.1	29
32	A New Aerosol Flow System for Photochemical and Thermal Studies of Tropospheric Aerosols. Aerosol Science and Technology, 2010, 44, 329-338.	3.1	34
33	Identification of Organic Nitrates in the NO₃Radical Initiated Oxidation of Î±-Pinene by Atmospheric Pressure Chemical Ionization Mass Spectrometry. Environmental Science & Technology, 2010, 44, 5887-5893.	10.0	63
34	Comparison of FTIR and Particle Mass Spectrometry for the Measurement of Particulate Organic Nitrates. Environmental Science & Technology, 2010, 44, 1056-1061.	10.0	155
35	Atmospheric Solids Analysis Probe Mass Spectrometry: A New Approach for Airborne Particle Analysis. Analytical Chemistry, 2010, 82, 5922-5927.	6.5	39
36	Contamination from electrically conductive silicone tubing during aerosol chemical analysis. Atmospheric Environment, 2009, 43, 2836-2839.	4.1	22

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37	Application of a data-processing model to determine the optimal sampling conditions for liquid phase trapping of atmospheric carbonyl compounds. Talanta, 2008, 76, 824-831.	5.5	4
38	Comparative study of glass tube and mist chamber sampling techniques for the analysis of gaseous carbonyl compounds. Atmospheric Environment, 2005, 39, 6642-6653.	4.1	13