

# Veronique Perraud

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	Comparison of FTIR and Particle Mass Spectrometry for the Measurement of Particulate Organic Nitrates. Environmental Science & Technology, 2010, 44, 1056-1061.	10.0	155
4	Integrating phase and composition of secondary organic aerosol from the ozonolysis of $\alpha$ -pinene. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7552-7557.	7.1	130
5	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
6	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
7	Identification of Organic Nitrates in the $\text{NO}_3$ Radical Initiated Oxidation of $\alpha$ -Pinene by Atmospheric Pressure Chemical Ionization Mass Spectrometry. Environmental Science & Technology, 2010, 44, 5887-5893.	10.0	63
8	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
9	Analysis of secondary organic aerosols in air using extractive electrospray ionization mass spectrometry (EESI-MS). RSC Advances, 2012, 2, 2930.	3.6	44
10	A regional study of the seasonal variation in the molecular composition of rainwater. Atmospheric Environment, 2013, 77, 588-597.	4.1	41
11	Atmospheric Solids Analysis Probe Mass Spectrometry: A New Approach for Airborne Particle Analysis. Analytical Chemistry, 2010, 82, 5922-5927.	6.5	39
12	Real-Time Emission Factor Measurements of Isocyanic Acid from Light Duty Gasoline Vehicles. Environmental Science & Technology, 2014, 48, 11405-11412.	10.0	38
13	A New Aerosol Flow System for Photochemical and Thermal Studies of Tropospheric Aerosols. Aerosol Science and Technology, 2010, 44, 329-338.	3.1	34
14	Phase, composition, and growth mechanism for secondary organic aerosol from the ozonolysis of $\alpha$ -pinene. Atmospheric Chemistry and Physics, 2016, 16, 3245-3264.	4.9	33
15	Amine-Exchange in Ammonium-Methanesulfonate Aerosols. Journal of Physical Chemistry C, 2014, 118, 29431-29440.	3.1	31
16	Characterization of organic coatings on hygroscopic salt particles and their atmospheric impacts. Atmospheric Environment, 2010, 44, 1209-1218.	4.1	29
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	New insights into secondary organic aerosol from the ozonolysis of $\alpha$ -pinene from combined infrared spectroscopy and mass spectrometry measurements. Physical Chemistry Chemical Physics, 2014, 16, 22706-22716.	2.8	24

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19	Contamination from electrically conductive silicone tubing during aerosol chemical analysis. <i>Atmospheric Environment</i> , 2009, 43, 2836-2839.	4.1	22
20	New Mechanism of Extractive Electrospray Ionization Mass Spectrometry for Heterogeneous Solid Particles. <i>Analytical Chemistry</i> , 2018, 90, 2055-2062.	6.5	22
21	Secondary organic aerosol from atmospheric photooxidation of indole. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11605-11621.	4.9	21
22	Size-Resolved Chemical Composition of Sub-20 nm Particles from Methanesulfonic Acid Reactions with Methylamine and Ammonia. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1182-1194.	2.7	20
23	New insights into atmospherically relevant reaction systems using direct analysis in real-time mass spectrometry (DART-MS). <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1373-1386.	3.1	19
24	Integrated experimental and theoretical approach to probe the synergistic effect of ammonia in methanesulfonic acid reactions with small alkylamines. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 305-328.	3.5	18
25	Open questions on the chemical composition of airborne particles. <i>Communications Chemistry</i> , 2020, 3, .	4.5	16
26	Uptake of water by an acid-base nanoparticle: theoretical and experimental studies of the methanesulfonic acid-methylamine system. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22249-22259.	2.8	15
27	Evidence for a kinetically controlled burying mechanism for growth of high viscosity secondary organic aerosol. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 66-83.	3.5	14
28	Comparative study of glass tube and mist chamber sampling techniques for the analysis of gaseous carbonyl compounds. <i>Atmospheric Environment</i> , 2005, 39, 6642-6653.	4.1	13
29	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. <i>Particle and Fibre Toxicology</i> , 2022, 19, 5.	6.2	13
30	A cautionary note on the effects of laboratory air contaminants on ambient ionization mass spectrometry measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1659-1668.	1.5	12
31	Understanding interactions of organic nitrates with the surface and bulk of organic films: implications for particle growth in the atmosphere. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1593-1610.	3.5	12
32	Surfactant-free latex spheres for size calibration of mobility particle sizers in atmospheric aerosol applications. <i>Atmospheric Environment</i> , 2014, 82, 56-59.	4.1	9
33	Chemical characterization of nanoparticles and volatiles present in mainstream hookah smoke. <i>Aerosol Science and Technology</i> , 2019, 53, 1023-1039.	3.1	8
34	Novel ionization reagent for the measurement of gas-phase ammonia and amines using a standalone atmospheric pressure gas chromatography (APGC) source. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8561.	1.5	6
35	Application of a data-processing model to determine the optimal sampling conditions for liquid phase trapping of atmospheric carbonyl compounds. <i>Talanta</i> , 2008, 76, 824-831.	5.5	4
36	Enhanced Gas Uptake during $\alpha$ -Pinene Ozonolysis Points to a Burying Mechanism. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1435-1447.	2.7	4

#	ARTICLE	IF	CITATIONS
37	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
38	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