Karine Sellegri

List of Publications by Year
in descending order

39 papers	2,681 citations	331670 21 h-index	302126 39 g-index
47 all docs	47 docs citations	47 times ranked	3351 citing authors

#	Article	IF	Citations
1	Mobility particle size spectrometers: harmonization of technical standards and data structure to facilitate high quality long-term observations of atmospheric particle number size distributions. Atmospheric Measurement Techniques, 2012, 5, 657-685.	3.1	689
2	Number size distributions and seasonality of submicron particles in Europe 2008â€“2009. Atmospheric Chemistry and Physics, 2011, 11, 5505-5538.	4.9	214
3	Seasonal characteristics of the physicochemical properties of North Atlantic marine atmospheric aerosols. Journal of Geophysical Research, 2007, 112, .	3.3	189
4	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. Geophysical Research Letters, 2016, 43, 7735-7744.	4.0	182
5	Surfactants and submicron sea spray generation. Journal of Geophysical Research, 2006, 111, .	3.3	155
6	Seasonal variation of aerosol size distributions in the free troposphere and residual layer at the puy de DÃ´me station, France. Atmospheric Chemistry and Physics, 2009, 9, 1465-1478.	4.9	142
7	Cloud chemistry at the Puy de DÃ´me: variability and relationships with environmental factors. Atmospheric Chemistry and Physics, 2004, 4, 715-728.	4.9	121
8	Classification of clouds sampled at the puy de DÃ´me (France) based on 10 yr of monitoring of their physicochemical properties. Atmospheric Chemistry and Physics, 2014, 14, 1485-1506.	4.9	92
9	Investigation of nucleation events vertical extent: a long term study at two different altitude sites. Atmospheric Chemistry and Physics, 2011, 11, 5625-5639.	4.9	79
10	Seasonal variations in aerosol particle composition at the puy-de-DÃ´me research station in France. Atmospheric Chemistry and Physics, 2011, 11, 13047-13059.	4.9	78
11	AÂEuropean aerosol phenomenology â€“ 6: scattering properties of atmospheric aerosol particles from 28ÂACTRIS sites. Atmospheric Chemistry and Physics, 2018, 18, 7877-7911.	4.9	76
12	Characterizing the impact of urban emissions on regional aerosol particles: airborne measurements during the MEGAPOLI experiment. Atmospheric Chemistry and Physics, 2014, 14, 1397-1412.	4.9	62
13	Physical and optical properties of 2010 EyjafjallajÃ¶kull volcanic eruption aerosol: ground-based, Lidar and airborne measurements in France. Atmospheric Chemistry and Physics, 2012, 12, 1721-1736.	4.9	53
14	Seasonal shift in airborne microbial communities. Science of the Total Environment, 2020, 716, 137129.	8.0	48
15	Seasonal variation of water-soluble inorganic components in aerosol size-segregated at the puy de DÃ´me station (1,465Âmâ€‰a.s.l.), France. Journal of Atmospheric Chemistry, 2012, 69, 47-66.	3.2	46
16	Assimilation of lidar signals: application to aerosol forecasting in the western Mediterranean basin. Atmospheric Chemistry and Physics, 2014, 14, 12031-12053.	4.9	44
17	Mass balance of free tropospheric aerosol at the Puy de DÃ´me (France) in winter. Journal of Geophysical Research, 2003, 108, .	3.3	42
18	Major contribution of neutral clusters to new particle formation at the interface between the boundary layer and the free troposphere. Atmospheric Chemistry and Physics, 2015, 15, 3413-3428.	4.9	42

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19	Observations of nucleation of new particles in a volcanic plume. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12223-12226.	7.1	38
20	Hygroscopic properties and mixing state of aerosol measured at the high-altitude site Puy de DÃ´me (1465 m a.s.l.), France. Atmospheric Chemistry and Physics, 2014, 14, 9537-9554.	4.9	30
21	CÃ©zeaux-Aulnat-Opme-Puy De DÃ´me: a multi-site for the long-term survey of the tropospheric composition and climate change. Atmospheric Measurement Techniques, 2020, 13, 3413-3445.	3.1	26
22	Quantitative evaluation of seven optical sensors for cloud microphysical measurements at the Puy-de-DÃ´me Observatory, France. Atmospheric Measurement Techniques, 2015, 8, 4347-4367.	3.1	22
23	First results of the Piton de la Fournaise STRAP 2015 experiment: multidisciplinary tracking of a volcanic gas and aerosol plume. Atmospheric Chemistry and Physics, 2017, 17, 5355-5378.	4.9	21
24	Constraining the Surface Flux of Sea Spray Particles From the Southern Ocean. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032026.	3.3	20
25	Evidence of New Particle Formation Within Etna and Stromboli Volcanic Plumes and Its Parameterization From Airborne In Situ Measurements. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5650-5668.	3.3	18
26	Comparison of the aerosol optical properties and size distribution retrieved by sun photometer with inÂsitu measurements at midlatitude. Atmospheric Measurement Techniques, 2016, 9, 4569-4585.	3.1	17
27	Southern Ocean cloud and aerosol data: a compilation of measurements from the 2018 Southern Ocean Ross Sea Marine Ecosystems and Environment voyage. Earth System Science Data, 2021, 13, 3115-3153.	9.9	16
28	A new method for assessing the aerosol to rain chemical composition relationships. Atmospheric Research, 2012, 118, 295-303.	4.1	15
29	LIDAR Developments at Clermont-Ferrandâ€"France for Atmospheric Observation. Sensors, 2015, 15, 3041-3069.	3.8	15
30	Overview of aerosol properties associated with air masses sampled by the ATR-42 during the EUCAARI campaign (2008). Atmospheric Chemistry and Physics, 2013, 13, 4877-4893.	4.9	14
31	New particle formation in the volcanic eruption plume of the Piton de la Fournaise: specific features from a long-term dataset. Atmospheric Chemistry and Physics, 2019, 19, 13243-13265.	4.9	13
32	Seasonal Variation of Aerosol Size Distribution Data at the Puy de DÃ´me Station with Emphasis on the Boundary Layer/Free Troposphere Segregation. Atmosphere, 2018, 9, 244.	2.3	11
33	Volcanic Plume Aging During Passive Degassing and Low Eruptive Events of Etna and Stromboli Volcanoes. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11389-11405.	3.3	9
34	The trace metal signature of atmospheric aerosols sampled at a European regional background site (puy de DÃ´me, France). Journal of Atmospheric Chemistry, 2014, 71, 195-212.	3.2	6
35	The high field strength element budget of atmospheric aerosols (puy de DÃ´me, France). Geochimica Et Cosmochimica Acta, 2015, 167, 253-268.	3.9	6
36	Investigation of several proxies to estimate sulfuric acid concentration under volcanic plume conditions. Atmospheric Chemistry and Physics, 2021, 21, 4541-4560.	4.9	3

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37	Altitude Aerosol Measurements in Central France: Seasonality, Sources and Freeâ€Troposphere/Boundary Layer Segregation. Earth and Space Science, 2021, 8, e2019EA001018.	2.6	2
38	The Effect of Using a New Parameterization of Nucleation in the WRF-Chem Model on New Particle Formation in a Passive Volcanic Plume. Atmosphere, 2022, 13, 15.	2.3	1
39	A Lidar at Clermont-Ferrandâ€"France to describe the boundary layer dynamics, aerosols, cirrus and tropospheric water vapor. EPJ Web of Conferences, 2018, 176, 05047.	0.3	0