

# Karine Sellegri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4897678/publications.pdf>

Version: 2024-02-01

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	The Effect of Using a New Parameterization of Nucleation in the WRF-Chem Model on New Particle Formation in a Passive Volcanic Plume. <i>Atmosphere</i> , 2022, 13, 15.	2.3	1
2	Investigation of several proxies to estimate sulfuric acid concentration under volcanic plume conditions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4541-4560.	4.9	3
3	Altitude Aerosol Measurements in Central France: Seasonality, Sources and Free Troposphere/Boundary Layer Segregation. <i>Earth and Space Science</i> , 2021, 8, e2019EA001018.	2.6	2
4	Southern Ocean cloud and aerosol data: a compilation of measurements from the 2018 Southern Ocean Ross Sea Marine Ecosystems and Environment voyage. <i>Earth System Science Data</i> , 2021, 13, 3115-3153.	9.9	16
5	Seasonal shift in airborne microbial communities. <i>Science of the Total Environment</i> , 2020, 716, 137129.	8.0	48
6	Constraining the Surface Flux of Sea Spray Particles From the Southern Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032026.	3.3	20
7	CÅzeaux-Aulnat-Opme-Puy De DÅme: a multi-site for the long-term survey of the tropospheric composition and climate change. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3413-3445.	3.1	26
8	Volcanic Plume Aging During Passive Degassing and Low Eruptive Events of Etna and Stromboli Volcanoes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11389-11405.	3.3	9
9	Evidence of New Particle Formation Within Etna and Stromboli Volcanic Plumes and Its Parameterization From Airborne In Situ Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5650-5668.	3.3	18
10	New particle formation in the volcanic eruption plume of the Piton de la Fournaise: specific features from a long-term dataset. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13243-13265.	4.9	13
11	ÅEuropean aerosol phenomenology Å 6: scattering properties of atmospheric aerosol particles from 28 ÅACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7877-7911.	4.9	76
12	A Lidar at Clermont-Ferrand Å France to describe the boundary layer dynamics, aerosols, cirrus and tropospheric water vapor. <i>EPJ Web of Conferences</i> , 2018, 176, 05047.	0.3	0
13	Seasonal Variation of Aerosol Size Distribution Data at the Puy de DÅme Station with Emphasis on the Boundary Layer/Free Troposphere Segregation. <i>Atmosphere</i> , 2018, 9, 244.	2.3	11
14	First results of the Piton de la Fournaise STRAP 2015 experiment: multidisciplinary tracking of a volcanic gas and aerosol plume. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5355-5378.	4.9	21
15	Comparison of the aerosol optical properties and size distribution retrieved by sun photometer with in Åsitu measurements at midlatitude. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4569-4585.	3.1	17
16	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. <i>Geophysical Research Letters</i> , 2016, 43, 7735-7744.	4.0	182
17	Major contribution of neutral clusters to new particle formation at the interface between the boundary layer and the free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3413-3428.	4.9	42
18	Quantitative evaluation of seven optical sensors for cloud microphysical measurements at the Puy-de-DÅme Observatory, France. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4347-4367.	3.1	22

#	ARTICLE	IF	CITATIONS
19	The high field strength element budget of atmospheric aerosols (puy de D'ôme, France). <i>Geochimica Et Cosmochimica Acta</i> , 2015, 167, 253-268.	3.9	6
20	LIDAR Developments at Clermont-Ferrand France for Atmospheric Observation. <i>Sensors</i> , 2015, 15, 3041-3069.	3.8	15
21	The trace metal signature of atmospheric aerosols sampled at a European regional background site (puy de D'ôme, France). <i>Journal of Atmospheric Chemistry</i> , 2014, 71, 195-212.	3.2	6
22	Assimilation of lidar signals: application to aerosol forecasting in the western Mediterranean basin. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12031-12053.	4.9	44
23	Characterizing the impact of urban emissions on regional aerosol particles: airborne measurements during the MEGAPOLI experiment. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1397-1412.	4.9	62
24	Classification of clouds sampled at the puy de D'ôme (France) based on 10 yr of monitoring of their physicochemical properties. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1485-1506.	4.9	92
25	Hygroscopic properties and mixing state of aerosol measured at the high-altitude site Puy de D'ôme (1465 m a.s.l.), France. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9537-9554.	4.9	30
26	Overview of aerosol properties associated with air masses sampled by the ATR-42 during the EUCAARI campaign (2008). <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4877-4893.	4.9	14
27	Mobility particle size spectrometers: harmonization of technical standards and data structure to facilitate high quality long-term observations of atmospheric particle number size distributions. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 657-685.	3.1	689
28	Physical and optical properties of 2010 Eyjafjallajökull volcanic eruption aerosol: ground-based, Lidar and airborne measurements in France. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1721-1736.	4.9	53
29	A new method for assessing the aerosol to rain chemical composition relationships. <i>Atmospheric Research</i> , 2012, 118, 295-303.	4.1	15
30	Seasonal variation of water-soluble inorganic components in aerosol size-segregated at the puy de D'ôme station (1,465 a.s.l.), France. <i>Journal of Atmospheric Chemistry</i> , 2012, 69, 47-66.	3.2	46
31	Seasonal variations in aerosol particle composition at the puy-de-D'ôme research station in France. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13047-13059.	4.9	78
32	Investigation of nucleation events vertical extent: a long term study at two different altitude sites. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5625-5639.	4.9	79
33	Number size distributions and seasonality of submicron particles in Europe 2008-2009. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5505-5538.	4.9	214
34	Observations of nucleation of new particles in a volcanic plume. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12223-12226.	7.1	38
35	Seasonal variation of aerosol size distributions in the free troposphere and residual layer at the puy de D'ôme station, France. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1465-1478.	4.9	142
36	Seasonal characteristics of the physicochemical properties of North Atlantic marine atmospheric aerosols. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	189

#	ARTICLE	IF	CITATIONS
37	Surfactants and submicron sea spray generation. Journal of Geophysical Research, 2006, 111, .	3.3	155
38	Cloud chemistry at the Puy de Dôme: variability and relationships with environmental factors. Atmospheric Chemistry and Physics, 2004, 4, 715-728.	4.9	121
39	Mass balance of free tropospheric aerosol at the Puy de Dôme (France) in winter. Journal of Geophysical Research, 2003, 108, .	3.3	42