

Kevin J Sanchez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

598
citations

12
h-index

24
g-index

56
ext. papers

854
ext. citations

6.4
avg, IF

3.48
L-index

#	Paper	IF	Citations
31	North Atlantic Ocean SST-gradient-driven variations in aerosol and cloud evolution along Lagrangian cold-air outbreak trajectories. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 2795-2815	6.8	0
30	Rapid cloud removal of dimethyl sulfide oxidation products limits SO and cloud condensation nuclei production in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
29	Cloud-Nucleating Particles Over the Southern Ocean in a Changing Climate. <i>Earth's Future</i> , 2021 , 9, e20205F001673	7.5	16
28	Measurement report: Cloud processes and the transport of biological emissions affect southern ocean particle and cloud condensation nuclei concentrations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 3427-3446	6.8	12
27	Observations of Clouds, Aerosols, Precipitation, and Surface Radiation over the Southern Ocean: An Overview of CAPRICORN, MARCUS, MICRE, and SOCRATES. <i>Bulletin of the American Meteorological Society</i> , 2021 , 102, E894-E928	6.1	38
26	Sizing response of the Ultra-High Sensitivity Aerosol Spectrometer (UHSAS) and Laser Aerosol Spectrometer (LAS) to changes in submicron aerosol composition and refractive index. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 4517-4542	4	4
25	Organic composition of three different size ranges of aerosol particles over the Southern Ocean. <i>Aerosol Science and Technology</i> , 2021 , 55, 268-288	3.4	3
24	Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 831-851	6.8	2
23	Characterizing Subsiding Shells in Shallow Cumulus Using Doppler Lidar and Large-Eddy Simulation. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089699	4.9	2
22	Linking Marine Biological Activity to Aerosol Chemical Composition and Cloud-Relevant Properties Over the North Atlantic Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032246	4.4	5
21	High Temporal Resolution Satellite Observations of Fire Radiative Power Reveal Link Between Fire Behavior and Aerosol and Gas Emissions. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090707	4.9	11
20	Wildfire Smoke Particle Properties and Evolution, From Space-Based Multi-Angle Imaging II: The Williams Flats Fire during the FIREX-AQ Campaign. <i>Remote Sensing</i> , 2020 , 12, 3823	5	3
19	Measured Constraints on Cloud Top Entrainment to Reduce Uncertainty of Nonprecipitating Stratocumulus Shortwave Radiative Forcing in the Southern Ocean. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090513	4.9	1
18	Seasonal Differences and Variability of Concentrations, Chemical Composition, and Cloud Condensation Nuclei of Marine Aerosol Over the North Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD033145	4.4	14
17	Light Absorption by Ambient Black and Brown Carbon and its Dependence on Black Carbon Coating State for Two California, USA, Cities in Winter and Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 1550-1577	4.4	53
16	Aerosol-cloud closure study on cloud optical properties using remotely piloted aircraft measurements during a BACCHUS field campaign in Cyprus. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13989-14007	6.8	4
15	Influence of Emissions and Aqueous Processing on Particles Containing Black Carbon in a Polluted Urban Environment: Insights From a Soot Particle-Aerosol Mass Spectrometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 6648-6666	4.4	23

14	Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018 , 8, 3235	4.9	65
13	Vertical wind velocity measurements using a five-hole probe with remotely piloted aircraft to study aerosol-cloud interactions. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2583-2599	4	14
12	Larger Submicron Particles for Emissions With Residential Burning in Wintertime San Joaquin Valley (Fresno) than for Vehicle Combustion in Summertime South Coast Air Basin (Fontana). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,526	4.4	9
11	Organic Aerosol Particle Chemical Properties Associated With Residential Burning and Fog in Wintertime San Joaquin Valley (Fresno) and With Vehicle and Firework Emissions in Summertime South Coast Air Basin (Fontana). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,707	4.4	17
10	More unsaturated, cooking-type hydrocarbon-like organic aerosol particle emissions from renewable diesel compared to ultra low sulfur diesel in at-sea operations of a research vessel. <i>Aerosol Science and Technology</i> , 2017 , 51, 135-146	3.4	11
9	Surface tension prevails over solute effect in organic-influenced cloud droplet activation. <i>Nature</i> , 2017 , 546, 637-641	50.4	162
8	Top-down and Bottom-up aerosol-cloud-closure: towards understanding sources of uncertainty in deriving cloud radiative flux 2017 ,		1
7	Lower NOx but higher particle and black carbon emissions from renewable diesel compared to ultra low sulfur diesel in at-sea operations of a research vessel. <i>Aerosol Science and Technology</i> , 2017 , 51, 123-134	3.4	12
6	Top-down and bottom-up aerosol-cloud closure: towards understanding sources of uncertainty in deriving cloud shortwave radiative flux. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9797-9814	6.8	13
5	Meteorological and aerosol effects on marine cloud microphysical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 4142-4161	4.4	16
4	Nocturnal isoprene declines in a semi-urban environment. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 215-234	3.2	9
3	Deduction of the acoustic impedance of the ground via a simulated three-dimensional microphone array. <i>Journal of the Acoustical Society of America</i> , 2013 , 134, EL471-6	2.2	
2	Ozone variability in the atmospheric boundary layer in Maryland and its implications for vertical transport model. <i>Atmospheric Environment</i> , 2012 , 46, 354-364	5.3	67
1	Measurement report: Cloud Processes and the Transport of Biological Emissions Regulate Southern Ocean Particle and Cloud Condensation Nuclei Concentrations		3