

# Kevin J Sanchez

## List of Publications by Citations

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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	Surface tension prevails over solute effect in organic-influenced cloud droplet activation. <i>Nature</i> , <b>2017</b> , 546, 637-641	50.4	162
30	Ozone variability in the atmospheric boundary layer in Maryland and its implications for vertical transport model. <i>Atmospheric Environment</i> , <b>2012</b> , 46, 354-364	5.3	67
29	Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , <b>2018</b> , 8, 3235	4.9	65
28	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> , <b>2019</b> , 124, 1550-1577	4.4	53
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> , <b>2021</b> , 102, E894-E928	6.1	38
26	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> , <b>2018</b> , 123, 6648-6666	4.4	23
25	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> , <b>2018</b> , 123, 10,707	4.4	17
24	Meteorological and aerosol effects on marine cloud microphysical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4142-4161	4.4	16
23	Vertical wind velocity measurements using a five-hole probe with remotely piloted aircraft to study aerosol-cloud interactions. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 2583-2599	4	14
22	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> , <b>2020</b> , 125, e2020JD033145	4.4	14
21	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> , <b>2017</b> , 17, 9797-9814	6.8	13
20	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> , <b>2017</b> , 51, 123-134	3.4	12
19	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> , <b>2021</b> , 21, 3427-3446	6.8	12
18	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> , <b>2017</b> , 51, 135-146	3.4	11
17	High Temporal Resolution Satellite Observations of Fire Radiative Power Reveal Link Between Fire Behavior and Aerosol and Gas Emissions. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090707	4.9	11
16	Cloud-Nucleating Particles Over the Southern Ocean in a Changing Climate. <i>Earth's Future</i> , <b>2021</b> , 9, e2020EF001673	2.5	9
15	Nocturnal isoprene declines in a semi-urban environment. <i>Journal of Atmospheric Chemistry</i> , <b>2015</b> , 72, 215-234	3.2	9

14	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> , <b>2018</b> , 123, 10,526	4.4	9
13	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> , <b>2021</b> , 118,	11.5	7
12	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> , <b>2020</b> , 125, e2019JD032246	4.4	5
11	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> , <b>2021</b> , 14, 4517-4542	4	4
10	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> , <b>2019</b> , 19, 13989-14007	6.8	4
9	Measurement report: Cloud Processes and the Transport of Biological Emissions Regulate Southern Ocean Particle and Cloud Condensation Nuclei Concentrations		3
8	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> , <b>2020</b> , 12, 3823	5	3
7	Organic composition of three different size ranges of aerosol particles over the Southern Ocean. <i>Aerosol Science and Technology</i> , <b>2021</b> , 55, 268-288	3.4	3
6	Characterizing Subsiding Shells in Shallow Cumulus Using Doppler Lidar and Large-Eddy Simulation. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089699	4.9	2
5	Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 831-851	6.8	2
4	Top-down and Bottom-up aerosol-cloud-closure: towards understanding sources of uncertainty in deriving cloud radiative flux <b>2017</b> ,		1
3	Measured Constraints on Cloud Top Entrainment to Reduce Uncertainty of Nonprecipitating Stratocumulus Shortwave Radiative Forcing in the Southern Ocean. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090513	4.9	1
2	North Atlantic Ocean SST-gradient-driven variations in aerosol and cloud evolution along Lagrangian cold-air outbreak trajectories. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 2795-2815	6.8	0
1	Deduction of the acoustic impedance of the ground via a simulated three-dimensional microphone array. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 134, EL471-6	2.2	