

Kevin J Sanchez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,090
citations

471477

17
h-index

454934

30
g-index

56
all docs

56
docs citations

56
times ranked

1833
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Surface tension prevails over solute effect in organic-influenced cloud droplet activation. <i>Nature</i> , 2017, 546, 637-641. | 27.8 | 232 |
| 2 | Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018, 8, 3235. | 3.3 | 103 |
| 3 | 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. | 3.3 | 103 |
| 4 | 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. | 3.3 | 99 |
| 5 | Ozone variability in the atmospheric boundary layer in Maryland and its implications for vertical transport model. <i>Atmospheric Environment</i> , 2012, 46, 354-364. | 4.1 | 83 |
| 6 | 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. | 3.3 | 41 |
| 7 | 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. | 3.3 | 36 |
| 8 | 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. | 4.9 | 35 |
| 9 | Cloud Nucleating Particles Over the Southern Ocean in a Changing Climate. <i>Earth's Future</i> , 2021, 9, e2020EF001673. | 6.3 | 33 |
| 10 | 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. | 4.0 | 30 |
| 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> , 2021, 14, 4517-4542. | 3.1 | 28 |
| 12 | Rapid cloud removal of dimethyl sulfide oxidation products limits SO ₂ 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, . | 7.1 | 28 |
| 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. | 3.1 | 25 |
| 14 | Meteorological and aerosol effects on marine cloud microphysical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4142-4161. | 3.3 | 24 |
| 15 | 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. | 3.3 | 22 |
| 16 | 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. | 4.9 | 21 |
| 17 | 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. | 4.0 | 18 |
| 18 | Lower NO _x 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. | 3.1 | 15 |

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|----|---|-----|-----------|
| 19 | Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 831-851. | 4.9 | 15 |
| 20 | 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. | 3.1 | 14 |
| 21 | Organic composition of three different size ranges of aerosol particles over the Southern Ocean. <i>Aerosol Science and Technology</i> , 2021, 55, 268-288. | 3.1 | 13 |
| 22 | Nocturnal isoprene declines in a semi-urban environment. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 215-234. | 3.2 | 10 |
| 23 | 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. | 3.3 | 10 |
| 24 | 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. | 3.3 | 10 |
| 25 | Reconciling Assumptions in Bottom-Up and Top-Down Approaches for Estimating Aerosol Emission Rates From Wildland Fires Using Observations From FIRE-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, . | 3.3 | 10 |
| 26 | 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. | 4.9 | 8 |
| 27 | 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. | 4.9 | 4 |
| 28 | 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. | 4.0 | 3 |
| 29 | Characterizing Subsiding Shells in Shallow Cumulus Using Doppler Lidar and Large-Eddy Simulation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089699. | 4.0 | 3 |
| 30 | 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-EL476. | 1.1 | 2 |