

# Luke Ziemba

## 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.

15  
papers

159  
citations

9  
h-index

12  
g-index

16  
ext. papers

236  
ext. citations

4.4  
avg, IF

2.18  
L-index

#	Paper	IF	Citations
15	Aircraft measurements of black carbon vertical profiles show upper tropospheric variability and stability. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 1132-1140	4.9	29
14	Atmospheric Research Over the Western North Atlantic Ocean Region and North American East Coast: A Review of Past Work and Challenges Ahead. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031626	4.4	19
13	Ambient observations of sub-1.0 hygroscopic growth factor and (RH) values: Case studies from surface and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 661-677	4.4	18
12	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12km. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 8283	4.4	18
11	Retrievals of Aerosol Size Distribution, Spherical Fraction, and Complex Refractive Index From Airborne In Situ Angular Light Scattering and Absorption Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 7997-8024	4.4	16
10	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 1086-1097	4.4	15
9	An intercomparison of aerosol absorption measurements conducted during the SEAC4RS campaign. <i>Aerosol Science and Technology</i> , <b>2018</b> , 52, 1012-1027	3.4	14
8	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
7	Contrasting aerosol refractive index and hygroscopicity in the inflow and outflow of deep convective storms: Analysis of airborne data from DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 4565-4577	4.4	9
6	Observations of Aerosol-Cloud Interactions During the North Atlantic Aerosol and Marine Ecosystem Study. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL085851	4.9	3
5	On Assessing ERA5 and MERRA2 Representations of Cold-Air Outbreaks Across the Gulf Stream. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094364	4.9	2
4	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloud-Forming Particles. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	1
3	Coupling an online ion conductivity measurement with the particle-into-liquid sampler: Evaluation and modeling using laboratory and field aerosol data. <i>Aerosol Science and Technology</i> , <b>2020</b> , 54, 1542-1555	3.4	1
2	Particulate Oxalate-To-Sulfate Ratio as an Aqueous Processing Marker: Similarity Across Field Campaigns and Limitations.. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL096520	4.9	0
1	Cold Air Outbreaks Promote New Particle Formation Off the U.S. East Coast. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	0