

# R Bradley Pierce

## List of Publications by Year in descending order

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37  
papers

1,633  
citations

304743

22  
h-index

345221

36  
g-index

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all docs

37  
docs citations

37  
times ranked

2264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of lake breeze meteorology on ozone gradient observations along Lake Michigan shorelines in Wisconsin. <i>Atmospheric Environment</i> , 2022, 269, 118834.	4.1	10
2	Observations of the Development and Vertical Structure of the Lake Breeze Circulation During the 2017 Lake Michigan Ozone Study. <i>Journals of the Atmospheric Sciences</i> , 2022, , .	1.7	6
3	Observations of the lower atmosphere from the 2021 WiscoDISCO campaign. <i>Earth System Science Data</i> , 2022, 14, 2129-2145.	9.9	4
4	PM2.5 chemistry, organosulfates, and secondary organic aerosol during the 2017 Lake Michigan Ozone Study. <i>Atmospheric Environment</i> , 2021, 244, 117939.	4.1	31
5	Overview of the Lake Michigan Ozone Study 2017. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E2207-E2225.	3.3	20
6	Evaluating Sentinel-5P TROPOMI tropospheric NO <sub>2</sub> column densities with airborne and Pandora spectrometers near New York City and Long Island Sound. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6113-6140.	3.1	85
7	Sensitivity of Ozone Production to NO <sub>x</sub> and VOC Along the Lake Michigan Coastline. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10989-11006.	3.3	43
8	Evaluating the impact of spatial resolution on tropospheric NO <sub>2</sub> column comparisons within urban areas using high-resolution airborne data. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6091-6111.	3.1	51
9	The Dawn of Geostationary Air Quality Monitoring: Case Studies From Seoul and Los Angeles. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	25
10	HTAP2 multi-model estimates of premature human mortality due to intercontinental transport of air pollution and emission sectors. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10497-10520.	4.9	54
11	Impact of intercontinental pollution transport on North American ozone air pollution: an HTAP phase 2 multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5721-5750.	4.9	51
12	Real-Time Simulation of the GOES-R ABI for User Readiness and Product Evaluation. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 245-261.	3.3	26
13	Seasonal monitoring and estimation of regional aerosol distribution over Po valley, northern Italy, using a high-resolution MAIAC product. <i>Atmospheric Environment</i> , 2016, 141, 106-121.	4.1	30
14	Contribution of dissolved organic matter to submicron water-soluble organic aerosols in the marine boundary layer over the eastern equatorial Pacific. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7695-7707.	4.9	24
15	Interannual Variability in Baseline Ozone and Its Relationship to Surface Ozone in the Western U.S.. <i>Environmental Science &amp; Technology</i> , 2016, 50, 2994-3001.	10.0	17
16	Characterizing the lifetime and occurrence of stratospheric-tropospheric exchange events in the rocky mountain region using high-resolution ozone measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 12410-12424.	3.3	33
17	Changes in nitrogen oxides emissions in California during 2005-2010 indicated from top-down and bottom-up emission estimates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,928.	3.3	16
18	Satellite data of atmospheric pollution for U.S. air quality applications: Examples of applications, summary of data end-user resources, answers to FAQs, and common mistakes to avoid. <i>Atmospheric Environment</i> , 2014, 94, 647-662.	4.1	186

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19	Impact of Southern California anthropogenic emissions on ozone pollution in the mountain states: Model analysis and observational evidence from space. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,784.	3.3	21
20	Radiative forcing due to enhancements in tropospheric ozone and carbonaceous aerosols caused by Asian fires during spring 2008. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
21	Multi-scale modeling study of the source contributions to near-surface ozone and sulfur oxides levels over California during the ARCTAS-CARB period. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3173-3194.	4.9	22
22	Impacts of background ozone production on Houston and Dallas, Texas, air quality during the Second Texas Air Quality Study field mission. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
23	Remote Sensing of Tropospheric Pollution from Space. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 805-822.	3.3	108
24	Intercontinental Chemical Transport Experiment Ozone-sonde Network Study (IONS) 2004: 1. Summertime upper troposphere/lower stratosphere ozone over northeastern North America. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	82
25	Impact of multiscale dynamical processes and mixing on the chemical composition of the upper troposphere and lower stratosphere during the Intercontinental Chemical Transport Experimentâ€œNorth America. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	18
26	Improving National Air Quality Forecasts with Satellite Aerosol Observations. <i>Bulletin of the American Meteorological Society</i> , 2005, 86, 1249-1262.	3.3	293
27	Observations of southern polar descent and coupling in the thermosphere, mesosphere and stratosphere provided by HALOE. <i>Geophysical Monograph Series</i> , 2000, , 191-206.	0.1	0
28	The contribution of mixing in Lagrangian photochemical predictions of polar ozone loss over the Arctic in summer 1997. <i>Journal of Geophysical Research</i> , 1999, 104, 26597-26609.	3.3	34
29	Comparison of satellite and in situ ozone measurements in the lower stratosphere. <i>Journal of Geophysical Research</i> , 1999, 104, 13971-13979.	3.3	4
30	Large-scale stratospheric ozone photochemistry and transport during the POLARIS Campaign. <i>Journal of Geophysical Research</i> , 1999, 104, 26525-26545.	3.3	23
31	Seasonal evolution of Rossby and gravity wave induced laminae in ozone-sonde data obtained from Wallops Island, Virginia. <i>Geophysical Research Letters</i> , 1998, 25, 1859-1862.	4.0	41
32	HALOE observations of the Arctic Vortex during the 1997 spring: Horizontal structure in the lower stratosphere. <i>Geophysical Research Letters</i> , 1997, 24, 2701-2704.	4.0	19
33	Intercomparison of ozone measurements in the lower stratosphere from the UARS Halogen Occultation Experiment and the ER-2 UV absorption photometer. <i>Journal of Geophysical Research</i> , 1997, 102, 13135-13140.	3.3	3
34	Re-formation of chlorine reservoirs in southern hemisphere polar spring. <i>Journal of Geophysical Research</i> , 1997, 102, 13141-13152.	3.3	32
35	Photochemical calculations along air mass trajectories during ASHOE/MAESA. <i>Journal of Geophysical Research</i> , 1997, 102, 13153-13167.	3.3	17
36	Evolution of southern hemisphere spring air masses observed by HALOE. <i>Geophysical Research Letters</i> , 1994, 21, 213-216.	4.0	31

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37	Chaotic advection in the stratosphere: Implications for the dispersal of chemically perturbed air from the polar vortex. <i>Journal of Geophysical Research</i> , 1993, 98, 18589-18595.	3.3	111