

# Bryan J Johnson

## List of Publications by Year in descending order

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28  
papers

2,727  
citations

331259

21  
h-index

500791

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2508  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091987.	1.5	51
2	Improving ECC Ozonesonde Data Quality: Assessment of Current Methods and Outstanding Issues. <i>Earth and Space Science</i> , 2021, 8, e2019EA000914.	1.1	30
3	TROPOMI tropospheric ozone column data: geophysical assessment and comparison to ozonesondes, GOME-2B and OMI. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 7405-7433.	1.2	14
4	Estimating wildfire-generated ozone over North America using ozonesonde profiles and a differential back trajectory technique. <i>Atmospheric Environment: X</i> , 2020, 7, 100078.	0.8	8
5	A Post-2013 Dropoff in Total Ozone at a Third of Global Ozonesonde Stations: Electrochemical Concentration Cell Instrument Artifacts?. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086791.	1.5	19
6	Global-scale distribution of ozone in the remote troposphere from the ATom and HIPPO airborne field missions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10611-10635.	1.9	31
7	A new method to correct the electrochemical concentration cell (ECC) ozonesonde time response and its implications for background current and pump efficiency. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5667-5680.	1.2	15
8	Ozonesonde Quality Assurance: The JOSIE-SHADOZ (2017) Experience. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 155-171.	1.7	23
9	Homogenizing and estimating the uncertainty in NOAA's long-term vertical ozone profile records measured with the electrochemical concentration cell ozonesonde. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3661-3687.	1.2	56
10	Harmonisation and trends of 20-year tropical tropospheric ozone data. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9189-9205.	1.9	9
11	Tropospheric ozonesonde profiles at long-term U.S. monitoring sites: 2. Links between Trinidad Head, CA, profile clusters and inland surface ozone measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1261-1280.	1.2	17
12	First reprocessing of Southern Hemisphere Additional Ozonesondes (SHADOZ) profile records (1998-2015): 1. Methodology and evaluation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6611-6636.	1.2	74
13	Observing the Impact of Calbuco Volcanic Aerosols on South Polar Ozone Depletion in 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,862.	1.2	32
14	Ozone Variability and Anomalies Observed During SENEX and SEACRS Campaigns in 2013. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11227-11241.	1.2	9
15	First Reprocessing of Southern Hemisphere Additional Ozonesondes (SHADOZ) Ozone Profiles (1998-2016): 2. Comparisons With Satellites and Ground-Based Instruments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,000.	1.2	61
16	Methods to homogenize electrochemical concentration cell (ECC) ozonesonde measurements across changes in sensing solution concentration or ozonesonde manufacturer. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2021-2043.	1.2	36
17	Ground-based assessment of the bias and long-term stability of 14 limb and occultation ozone profile data records. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2497-2534.	1.2	92
18	Southern Hemisphere Additional Ozonesondes (SHADOZ) ozone climatology (2005-2009): Tropospheric and tropical tropopause layer (TTL) profiles with comparisons to OMI-based ozone products. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	58

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19	Springtime high surface ozone events over the western United States: Quantifying the role of stratospheric intrusions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	219
20	Unprecedented Arctic ozone loss in 2011. <i>Nature</i> , 2011, 478, 469-475.	13.7	572
21	Evaluation of ozone measurements from a tethered balloon-sampling platform at South Pole Station in December 2003. <i>Atmospheric Environment</i> , 2008, 42, 2780-2787.	1.9	24
22	Validation of Tropospheric Emission Spectrometer (TES) nadir ozone profiles using ozonesonde measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	181
23	Atmospheric comparison of electrochemical cell ozonesondes from different manufacturers, and with different cathode solution strengths: The Balloon Experiment on Standards for Ozonesondes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	119
24	Southern Hemisphere Additional Ozonesondes (SHADOZ) 1998â€“2004 tropical ozone climatology: 3. Instrumentation, station-to-station variability, and evaluation with simulated flight profiles. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	115
25	Assessment of the performance of ECCâ€“ozonesondes under quasiâ€“flight conditions in the environmental simulation chamber: Insights from the Juelich Ozone Sonde Intercomparison Experiment (JOSIE). <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	282
26	Southern Hemisphere Additional Ozonesondes (SHADOZ) 1998â€“2000 tropical ozone climatology 1. Comparison with Total Ozone Mapping Spectrometer (TOMS) and ground-based measurements. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	329
27	Electrochemical concentration cell (ECC) ozonesonde pump efficiency measurements and tests on the sensitivity to ozone of buffered and unbuffered ECC sensor cathode solutions. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 8-1.	3.3	137
28	A tropical Atlantic Paradox: Shipboard and satellite views of a tropospheric ozone maximum and wave-one in January-February 1999. <i>Geophysical Research Letters</i> , 2000, 27, 3317-3320.	1.5	113