

John S Holloway

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,470
citations

201674

27
h-index

276875

41
g-index

41
all docs

41
docs citations

41
times ranked

4070
citing authors

#	ARTICLE	IF	CITATIONS
1	A large atomic chlorine source inferred from mid-continental reactive nitrogen chemistry. <i>Nature</i> , 2010, 464, 271-274.	27.8	562
2	A study of secondary organic aerosol formation in the anthropogenicâ€influenced southeastern United States. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	517
3	Oxalic acid in clear and cloudy atmospheres: Analysis of data from International Consortium for Atmospheric Research on Transport and Transformation 2004. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	187
4	Multiyear trends in volatile organic compounds in Los Angeles, California: Five decades of decreasing emissions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	183
5	Airborne intercomparison of vacuum ultraviolet fluorescence and tunable diode laser absorption measurements of tropospheric carbon monoxide. <i>Journal of Geophysical Research</i> , 2000, 105, 24251-24261.	3.3	141
6	Concentrations and sources of organic carbon aerosols in the free troposphere over North America. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	111
7	Particle growth in urban and industrial plumes in Texas. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	109
8	Retrieval of vertical columns of sulfur dioxide from SCIAMACHY and OMI: Air mass factor algorithm development, validation, and error analysis. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	105
9	An overview of the 2013 Las Vegas Ozone Study (LVOS): Impact of stratospheric intrusions and long-range transport on surface air quality. <i>Atmospheric Environment</i> , 2015, 109, 305-322.	4.1	93
10	Airborne cloud condensation nuclei measurements during the 2006 Texas Air Quality Study. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	91
11	Evidence of rapid production of organic acids in an urban air mass. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	89
12	Particle characteristics following cloud-modified transport from Asia to North America. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	86
13	Particle growth in the plumes of coal-fired power plants. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 9-1.	3.3	85
14	Influence of lateral and top boundary conditions on regional air quality prediction: A multiscale study coupling regional and global chemical transport models. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	82
15	Air quality implications of the <i>Deepwater Horizon</i> oil spill. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20280-20285.	7.1	79
16	Vertical profiles in NO ₃ and N ₂ O ₅ measured from an aircraft: Results from the NOAA P&# and surface platforms during the New England Air Quality Study 2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	75
17	An investigation of ammonia and inorganic particulate matter in California during the CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1883-1902.	3.3	69
18	Routine, Continuous Measurement of Carbon Monoxide with Parts per Billion Precision. <i>Environmental Science & Technology</i> , 1994, 28, 1615-1618.	10.0	64

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19	Modeling Ozone in the Eastern U.S. using a Fuel-Based Mobile Source Emissions Inventory. <i>Environmental Science & Technology</i> , 2018, 52, 7360-7370.	10.0	64
20	Measurement of peroxy-carboxylic nitric anhydrides (PANs) during the ITCT 2K2 aircraft intensive experiment. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	63
21	Lagrangian transport model forecasts and a transport climatology for the Intercontinental Transport and Chemical Transformation 2002 (ITCT 2K2) measurement campaign. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	60
22	Export of NO _y from the North American boundary layer during 1996 and 1997 North Atlantic Regional Experiments. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 11-1-ACH 11-13.	3.3	58
23	Episodic removal of NO _y species from the marine boundary layer over the North Atlantic. <i>Journal of Geophysical Research</i> , 1996, 101, 28947-28960.	3.3	54
24	Evolution of aerosol properties impacting visibility and direct climate forcing in an ammonia-rich urban environment. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	54
25	Photochemical aging of volatile organic compounds in the Los Angeles basin: Weekday-weekend effect. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5018-5028.	3.3	54
26	Development of a semi-continuous method for the measurement of nitric acid vapor and particulate nitrate and sulfate. <i>Atmospheric Environment</i> , 1995, 29, 2609-2624.	4.1	46
27	Halocarbon Emissions from the United States and Mexico and Their Global Warming Potential. <i>Environmental Science & Technology</i> , 2009, 43, 1055-1060.	10.0	46
28	CCN Spectra, Hygroscopicity, and Droplet Activation Kinetics of Secondary Organic Aerosol Resulting from the 2010 Deepwater Horizon Oil Spill. <i>Environmental Science & Technology</i> , 2012, 46, 3093-3100.	10.0	32
29	A Multiwinter Analysis of Channeled Flow through a Prominent Gap along the Northern California Coast during CAJET and PACJET. <i>Monthly Weather Review</i> , 2006, 134, 1815-1841.	1.4	26
30	Pollutant transport among California regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6750-6763.	3.3	26
31	Local meteorological features affecting chemical measurements at a North Atlantic coastal site. <i>Journal of Geophysical Research</i> , 1996, 101, 28935-28946.	3.3	22
32	Effects of NO _x control and plume mixing on nighttime chemical processing of plumes from coal-fired power plants. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
33	High resolution absorption spectroscopy of NO ₂ . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1987, 37, 449-453.	2.3	17
34	Summertime tropospheric ozone enhancement associated with a cold front passage due to stratosphere-to-troposphere transport and biomass burning: Simultaneous ground-based lidar and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1293-1311.	3.3	17
35	Role of Criegee Intermediates in Secondary Sulfate Aerosol Formation in Nocturnal Power Plant Plumes in the Southeast US. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 748-759.	2.7	16
36	Wintertime Overnight NO _x Removal in a Southeastern United States Coal-fired Power Plant Plume: A Model for Understanding Winter NO _x Processing and its Implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1412-1425.	3.3	14

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37	Rates of Wintertime Atmospheric SO ₂ Oxidation based on Aircraft Observations during Clear-Sky Conditions over the Eastern United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6630-6649.	3.3	12
38	Emission estimates of HCFCs and HFCs in California from the 2010 CalNex study. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2019-2030.	3.3	10
39	Simulating the Weekly Cycle of NO _x + VOC + HO _x + O ₃ Photochemical System in the South Coast of California During CalNex 2010 Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3532-3555.	3.3	8
40	Photodissociation of XeF ₂ at 193 nm. Chemical Physics, 1990, 148, 411-416.	1.9	6