

# Russell Dickerson

## List of Publications by Year in Descending Order

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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.

180  
papers

9,975  
citations

54  
h-index

94  
g-index

208  
ext. papers

11,070  
ext. citations

6.3  
avg, IF

5.67  
L-index

#	Paper	IF	Citations
180	Global to local impacts on atmospheric CO <sub>2</sub> from the COVID-19 lockdown, biosphere and weather variabilities. <i>Environmental Research Letters</i> , <b>2022</b> , 17, 015003	6.2	2
179	Investigation of the Community Multiscale air quality (CMAQ) model representation of the Climate Penalty Factor (CPF). <i>Atmospheric Environment</i> , <b>2022</b> , 119157	5.3	1
178	Full-coverage mapping and spatiotemporal variations of ground-level ozone (O <sub>3</sub> ) pollution from 2013 to 2020 across China. <i>Remote Sensing of Environment</i> , <b>2021</b> , 270, 112775	13.2	16
177	Evaluation of a filter-based black carbon (BC) instrument using a brown carbon (BrC) surrogate as well as pure and coated BC surrogates. <i>Aerosol Science and Technology</i> , <b>2021</b> , 55, 501-511	3.4	0
176	Volcanic SO <sub>2</sub> ; effective layer height retrieval for the Ozone Monitoring Instrument (OMI) using a machine-learning approach. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 3673-3691	4	2
175	Synergistic aircraft and ground observations of transported wildfire smoke and its impact on air quality in New York City during the summer 2018 LISTOS campaign. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 145030	10.2	3
174	Volatile chemical product emissions enhance ozone and modulate urban chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	11
173	Airborne Observations of CFCs Over Hebei Province, China in Spring 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035152	4.4	1
172	Observations of bay-breeze and ozone events over a marine site during the OWLETS-2 campaign. <i>Atmospheric Environment</i> , <b>2021</b> , 263, 118669	5.3	1
171	Fluxes of Atmospheric Greenhouse-Gases in Maryland (FLAGG-MD): Emissions of Carbon Dioxide in the Baltimore, MD-Washington, D.C. Area. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD032004	4.4	2
170	Evaluation of thermal optical analysis (TOA) using an aqueous binary mixture. <i>Atmospheric Environment</i> , <b>2020</b> , 241, 117647	5.3	3
169	Measurement Report: Aircraft Observations of Ozone, Nitrogen Oxides, and Volatile Organic Compounds over Hebei Province, China <b>2020</b> ,		1
168	Wintertime CO, CH <sub>4</sub> , and CO Emissions Estimation for the Washington, DC-Baltimore Metropolitan Area Using an Inverse Modeling Technique. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 2606-2614	10.3	10
167	Assessing Measurements of Pollution in the Troposphere (MOPITT) carbon monoxide retrievals over urban versus non-urban regions. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 1337-1356	4	8
166	Using near-road observations of CO, NO <sub>y</sub> , and CO <sub>2</sub> to investigate emissions from vehicles: Evidence for an impact of ambient temperature and specific humidity. <i>Atmospheric Environment</i> , <b>2020</b> , 232, 117558	5.3	8
165	Measurement report: Aircraft observations of ozone, nitrogen oxides, and volatile organic compounds over Hebei Province, China. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14523-14545	6.8	6
164	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14617-14647	6.8	13

163	Monitoring Neighborhood Concentrations of PM <sub>2.5</sub> and Black Carbon: When Using Citywide Averages Underestimates Impacts in a Community with Environmental Justice Issues. <i>Environmental Justice</i> , <b>2020</b> , 13, 27-35	1.7	2
162	Characterization and demonstration of a black carbon aerosol mimic for instrument evaluation. <i>Aerosol Science and Technology</i> , <b>2019</b> , 53, 1322-1333	3.4	5
161	Vertical profiles of NO <sub>2</sub> , SO <sub>2</sub> , HONO, HCHO, CHOCHO and aerosols derived from MAX-DOAS measurements at a rural site in the central western North China Plain and their relation to emission sources and effects of regional transport. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 5417-5449	6.8	43
160	Measured and modelled ozone photochemical production in the Baltimore-Washington airshed. <i>Atmospheric Environment: X</i> , <b>2019</b> , 2, 100017	2.8	2
159	Estimating Methane Emissions From Underground Coal and Natural Gas Production in Southwestern Pennsylvania. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 4531-4540	4.9	24
158	Chemical climatology of atmospheric pollutants in the eastern United States: Seasonal/diurnal cycles and contrast under clear/cloudy conditions for remote sensing. <i>Atmospheric Environment</i> , <b>2019</b> , 206, 85-107	5.3	3
157	Evaluation of Anthropogenic Emissions and Ozone Pollution in the North China Plain: Insights from the Air Chemistry Research in Asia (ARIAs) Campaign <b>2019</b> ,		2
156	On the use of data from commercial NO <sub>x</sub> analyzers for air pollution studies. <i>Atmospheric Environment</i> , <b>2019</b> , 214, 116873	5.3	20
155	Using Short-Term CO/CO <sub>2</sub> Ratios to Assess Air Mass Differences Over the Korean Peninsula During KORUS-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10951-10972	4.4	21
154	SO Emission Estimates Using OMI SO Retrievals for 2005-2017. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 8336-8359	4.4	28
153	Linking improvements in sulfur dioxide emissions to decreasing sulfate wet deposition by combining satellite and surface observations with trajectory analysis. <i>Atmospheric Environment</i> , <b>2019</b> , 199, 210-223	5.3	11
152	Methane Emissions from the Marcellus Shale in Southwestern Pennsylvania and Northern West Virginia Based on Airborne Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 1862-1878	4.4	18
151	Impact of bay breeze and thunderstorm circulations on surface ozone at a site along the Chesapeake Bay 2011-2016. <i>Atmospheric Environment</i> , <b>2019</b> , 198, 351-365	5.3	6
150	Methane Emissions From the Baltimore-Washington Area Based on Airborne Observations: Comparison to Emissions Inventories. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 8869-8882	4.4	25
149	Evaluating commercial marine emissions and their role in air quality policy using observations and the CMAQ model. <i>Atmospheric Environment</i> , <b>2018</b> , 173, 96-107	5.3	21
148	Vertical distributions of aerosol optical properties during the spring 2016 ARIAs airborne campaign in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8995-9010	6.8	19
147	Top-Down Estimates of NO <sub>x</sub> and CO Emissions From Washington, D.C.-Baltimore During the WINTER Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7705-7724	4.4	24
146	Use of tethered sonde and aircraft profiles to study the impact of mesoscale and microscale meteorology on air quality. <i>Atmospheric Environment</i> , <b>2017</b> , 149, 55-69	5.3	11

145	Expected ozone benefits of reducing nitrogen oxide (NO) emissions from coal-fired electricity generating units in the eastern United States. <i>Journal of the Air and Waste Management Association</i> , <b>2017</b> , 67, 279-291	2.4	5
144	The net decay time of anomalies in concentrations of atmospheric pollutants. <i>Atmospheric Environment</i> , <b>2017</b> , 160, 19-26	5.3	3
143	Methane emissions from the Marcellus Shale in southwestern Pennsylvania and northern West Virginia based on airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 4639-4653	4.4	9
142	Increased atmospheric ammonia over the world's major agricultural areas detected from space. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2875-2884	4.9	189
141	Evaluation and environmental correction of ambient CO measurements from a low-cost NDIR sensor. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10,	4	46
140	India Is Overtaking China as the World's Largest Emitter of Anthropogenic Sulfur Dioxide. <i>Scientific Reports</i> , <b>2017</b> , 7, 14304	4.9	182
139	Formaldehyde in the Tropical Western Pacific: Chemical sources and sinks, convective transport, and representation in CAM-Chem and the CCMI models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 11201-11226	4.4	21
138	Urban Emissions of Water Vapor in Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 9467-9484	4.4	13
137	Impacts of brown carbon from biomass burning on surface UV and ozone photochemistry in the Amazon Basin. <i>Scientific Reports</i> , <b>2016</b> , 6, 36940	4.9	68
136	CAMx Ozone Source Attribution in the Eastern United States using Guidance from Observations during DISCOVER-AQ Maryland. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2249-2258	4.9	32
135	Ozone production and its sensitivity to NO <sub>x</sub> and VOCs: results from the DISCOVER-AQ field experiment, Houston 2013. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14463-14474	6.8	58
134	Aura OMI observations of regional SO <sub>2</sub> and NO <sub>2</sub> pollution changes from 2005 to 2015. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 4605-4629	6.8	428
133	The global tropospheric ammonia distribution as seen in the 13-year AIRS measurement record. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5467-5479	6.8	91
132	A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , <b>2016</b> , 7, 10267	17.4	27
131	The Indian Ocean Experiment: Widespread Air Pollution from South and Southeast Asia. <i>SpringerBriefs on Pioneers in Science and Practice</i> , <b>2016</b> , 197-209	0	
130	Ozone Production and Its Sensitivity to NO <sub>x</sub> and VOCs: Results from the DISCOVER-AQ Field Experiment, Houston 2013 <b>2016</b> ,		2
129	An observationally constrained evaluation of the oxidative capacity in the tropical western Pacific troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 7461-7488	4.4	17
128	Response of SO <sub>2</sub> and particulate air pollution to local and regional emission controls: A case study in Maryland. <i>Earth's Future</i> , <b>2016</b> , 4, 94-109	7.9	33

127	Regional air quality impacts of hydraulic fracturing and shale natural gas activity: Evidence from ambient VOC observations. <i>Atmospheric Environment</i> , <b>2015</b> , 110, 144-150	5.3	68
126	Bay breeze influence on surface ozone at Edgewood, MD during July 2011. <i>Journal of Atmospheric Chemistry</i> , <b>2015</b> , 72, 335-353	3.2	36
125	Evaluation of the use of a commercially available cavity ringdown absorption spectrometer for measuring NO <sub>2</sub> in flight, and observations over the Mid-Atlantic States, during DISCOVER-AQ. <i>Journal of Atmospheric Chemistry</i> , <b>2015</b> , 72, 503-521	3.2	25
124	Evidence for an increase in the ozone photochemical lifetime in the eastern United States using a regional air quality model. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 12778-12793	4.4	8
123	Ozone and NO <sub>x</sub> chemistry in the eastern US: evaluation of CMAQ/CB05 with satellite (OMI) data. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 10965-10982	6.8	67
122	Impact of Bay-Breeze Circulations on Surface Air Quality and Boundary Layer Export. <i>Journal of Applied Meteorology and Climatology</i> , <b>2014</b> , 53, 1697-1713	2.7	53
121	Method for characterization of low molecular weight organic acids in atmospheric aerosols using ion chromatography mass spectrometry. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7328-36	7.8	21
120	An elevated reservoir of air pollutants over the Mid-Atlantic States during the 2011 DISCOVER-AQ campaign: Airborne measurements and numerical simulations. <i>Atmospheric Environment</i> , <b>2014</b> , 85, 18-30	5.3	30
119	Relationship between column-density and surface mixing ratio: Statistical analysis of O <sub>3</sub> and NO <sub>2</sub> data from the July 2011 Maryland DISCOVER-AQ mission. <i>Atmospheric Environment</i> , <b>2014</b> , 92, 429-441	5.3	36
118	Advancing measurements of tropospheric NO <sub>2</sub> from space: New algorithm and first global results from OMPS. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4777-4786	4.9	22
117	Evaluation of GEOS-5 sulfur dioxide simulations during the Frostburg, MD 2010 field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 1929-1941	6.8	30
116	Remote sensing of fugitive methane emissions from oil and gas production in North American tight geologic formations. <i>Earth's Future</i> , <b>2014</b> , 2, 548-558	7.9	109
115	Measured and modeled CO and NO <sub>y</sub> in DISCOVER-AQ: An evaluation of emissions and chemistry over the eastern US. <i>Atmospheric Environment</i> , <b>2014</b> , 96, 78-87	5.3	92
114	Higher surface ozone concentrations over the Chesapeake Bay than over the adjacent land: Observations and models from the DISCOVER-AQ and CBODAQ campaigns. <i>Atmospheric Environment</i> , <b>2014</b> , 84, 9-19	5.3	39
113	Emissions estimation from satellite retrievals: A review of current capability. <i>Atmospheric Environment</i> , <b>2013</b> , 77, 1011-1042	5.3	270
112	High ozone concentrations on hot days: The role of electric power demand and NO <sub>x</sub> emissions. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 5291-5294	4.9	35
111	First observations of SO <sub>2</sub> from the satellite Suomi NPP OMPS: Widespread air pollution events over China. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4957-4962	4.9	64
110	Trends in emissions and concentrations of air pollutants in the lower troposphere in the Baltimore/Washington airshed from 1997 to 2011. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 7859-7874	6.8	48

109	Roles of Urban Tree Canopy and Buildings in Urban Heat Island Effects: Parameterization and Preliminary Results. <i>Journal of Applied Meteorology and Climatology</i> , <b>2012</b> , 51, 1775-1793	2.7	115
108	Aircraft measurements of SO <sub>2</sub> and aerosols over northeastern China: Vertical profiles and the influence of weather on air quality. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 492-501	5.3	13
107	An analysis of AERONET aerosol absorption properties and classifications representative of aerosol source regions. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		240
106	SO <sub>2</sub> over central China: Measurements, numerical simulations and the tropospheric sulfur budget. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		47
105	Ozone, oxides of nitrogen, and carbon monoxide during pollution events over the eastern United States: An evaluation of emissions and vertical mixing. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		45
104	SO <sub>2</sub> emissions and lifetimes: Estimates from inverse modeling using in situ and global, space-based (SCIAMACHY and OMI) observations. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		182
103	Characterization of an eastern U.S. severe air pollution episode using WRF/Chem. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		30
102	Aerosol properties over the Indo-Gangetic Plain: A mesoscale perspective from the TIGERZ experiment. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		122
101	Impact of Upstream Urbanization on the Urban Heat Island Effects along the WashingtonBaltimore Corridor. <i>Journal of Applied Meteorology and Climatology</i> , <b>2011</b> , 50, 2012-2029	2.7	82
100	Photoacoustic Measurements of Amplification of the Absorption Cross Section for Coated Soot Aerosols. <i>Aerosol Science and Technology</i> , <b>2011</b> , 45, 1217-1230	3.4	62
99	Impact of fair-weather cumulus clouds and the Chesapeake Bay breeze on pollutant transport and transformation. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 4060-4072	5.3	56
98	Transport and evolution of a pollution plume from northern China: A satellite-based case study. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		30
97	Identification of sources and formation processes of atmospheric sulfate by sulfur isotope and scanning electron microscope measurements. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		46
96	Concentrations and origins of atmospheric lead and other trace species at a rural site in northern China. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		12
95	Anthropogenic air pollution observed near dust source regions in northwestern China during springtime 2008. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		25
94	Changes in seasonal and diurnal cycles of ozone and temperature in the eastern U.S.. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 2543-2551	5.3	73
93	Modification of a commercial cavity ring-down spectroscopy NO <sub>2</sub> detector for enhanced sensitivity. <i>Review of Scientific Instruments</i> , <b>2009</b> , 80, 113107	1.7	11
92	The sensitivity of modeled ozone to the temporal distribution of point, area, and mobile source emissions in the eastern United States. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 4603-4611	5.3	13

91	Observed relationships of ozone air pollution with temperature and emissions. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	188
90	Upstream urbanization exacerbates urban heat island effects. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	76
89	Origins of chemical pollution derived from Mid-Atlantic aircraft profiles using a clustering technique. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 1727-1741	5.3	45
88	Validation of SO <sub>2</sub> retrievals from the Ozone Monitoring Instrument over NE China. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		121
87	Aerosol optical properties and their radiative effects in northern China. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		174
86	In situ measurements of trace gases and aerosol optical properties at a rural site in northern China during East Asian Study of Tropospheric Aerosols: An International Regional Experiment 2005. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		80
85	Preface to special section on East Asian Studies of Tropospheric Aerosols: An International Regional Experiment (EAST-AIRE). <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		138
84	Aircraft observations of dust and pollutants over northeast China: Insight into the meteorological mechanisms of transport. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		82
83	In situ measurements of aerosol mass concentration and radiative properties in Xianghe, southeast of Beijing. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		20
82	A side-by-side comparison of filter-based PM <sub>2.5</sub> measurements at a suburban site: A closure study. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 6167-6184	5.3	19
81	A combined approach for the evaluation of a volatile organic compound emissions inventory. <i>Journal of the Air and Waste Management Association</i> , <b>2006</b> , 56, 169-78	2.4	4
80	Aircraft vertical profiles of trace gas and aerosol pollution over the mid-Atlantic United States: Statistics and meteorological cluster analysis. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a		87
79	Smoke over haze: Comparative analysis of satellite, surface radiometer, and airborne in situ measurements of aerosol optical properties and radiative forcing over the eastern United States. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		7
78	Reply to comment by D. A. Hansen et al. on "The 2003 North American electrical blackout: An accidental experiment in atmospheric chemistry" <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	3
77	New methodology for estimating biofuel consumption for cooking: Atmospheric emissions of black carbon and sulfur dioxide from India. <i>Global Biogeochemical Cycles</i> , <b>2004</b> , 18, n/a-n/a	5.9	49
76	Smoke over haze: Aircraft observations of chemical and optical properties and the effects on heating rates and stability. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		36
75	Particulate polycyclic aromatic hydrocarbons in the Atlantic and Indian Ocean atmospheres during the Indian Ocean Experiment and Aerosols99: Continental sources to the marine atmosphere. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		22
74	The 2003 North American electrical blackout: An accidental experiment in atmospheric chemistry. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	26

73	Airborne Characterization of the Chemical, Optical, and Meteorological Properties, and Origins of a Combined Ozone-Haze Episode over the Eastern United States. <i>Journals of the Atmospheric Sciences</i> , <b>2004</b> , 61, 1781-1793	2.1	30
72	Global chemical weather forecasts for field campaign planning: predictions and observations of large-scale features during MINOS, CONTRACE, and INDOEX. <i>Atmospheric Chemistry and Physics</i> , <b>2003</b> , 3, 267-289	6.8	112
71	Bulk and size-segregated aerosol composition observed during INDOEX 1999: Overview of meteorology and continental impacts. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		24
70	Trace gas and radical diurnal behavior in the marine boundary layer during INDOEX 1999. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		28
69	Photolysis frequency of NO <sub>2</sub> : Measurement and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		40
68	Characterization of carbonaceous aerosols outflow from India and Arabia: Biomass/biofuel burning and fossil fuel combustion. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		94
67	Analysis of a summertime PM <sub>2.5</sub> and haze episode in the mid-Atlantic region. <i>Journal of the Air and Waste Management Association</i> , <b>2003</b> , 53, 946-56	2.4	71
66	Origins of fine aerosol mass in the Baltimore-Washington corridor: implications from observation, factor analysis, and ensemble air parcel back trajectories. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 4541-4554 <sup>5.3</sup>		91
65	Latitudinal gradients in O <sub>3</sub> and CO during INDOEX 1999. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 15-1		34
64	Analysis of black carbon and carbon monoxide observed over the Indian Ocean: Implications for emissions and photochemistry. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 16-1		104
63	Organic trace gas measurements by PTR-MS during INDOEX 1999. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, INX2 23-1		74
62	The Indian Ocean experiment: widespread air pollution from South and Southeast Asia. <i>Science</i> , <b>2001</b> , 291, 1031-6	33.3	599
61	Regional air pollution and its radiative forcing: Studies with a single-column chemical and radiation transport model. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 28751-28770		16
60	Marine boundary layer peroxy radical chemistry during the AEROSOLS99 campaign: Measurements and analysis. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 20833-20846		30
59	Seasonal variations in elemental carbon aerosol, carbon monoxide and sulfur dioxide: Implications for sources. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 1711-1714	4.9	118
58	Source analysis of carbon monoxide pollution during INDOEX 1999. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 28481-28495		30
57	Observations of NO <sub>y</sub> , CO, and SO <sub>2</sub> and the origin of reactive nitrogen in the eastern United States. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 3553-3563		21
56	Nonmethane hydrocarbon mixing ratios in continental outflow air from eastern North America: Export of ozone precursors to Bermuda. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 9981-9990		11



55	Determination of the dynamic response of a nitric oxide detector. <i>Review of Scientific Instruments</i> , <b>1999</b> , 70, 4078-4080	1.7	1
54	Carbon monoxide in the U.S. mid-Atlantic troposphere: Evidence for a decreasing trend. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2861-2864	4.9	12
53	Ozone in the remote marine boundary layer: A possible role for halogens. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 21385-21395		117
52	Tropospheric O <sub>3</sub> distribution over the Indian Ocean during spring 1995 evaluated with a chemistry-climate model. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 13881-13893		41
51	Transport of ozone and pollutants from North America to the North Atlantic Ocean during the 1996 Atmosphere/Ocean Chemistry Experiment (AEROCE) intensive. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26219-26233		50
50	A photothermal interferometer for gas-phase ammonia detection. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 1391-97.8		40
49	Nitric oxide soil emissions from tilled and untilled cornfields. <i>Agricultural and Forest Meteorology</i> , <b>1998</b> , 90, 307-311	5.8	20
48	Nitric oxide production by simulated lightning: Dependence on current, energy, and pressure. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 19149-19159		125
47	Pollutant transport during a regional O <sub>3</sub> -episode in the mid-Atlantic states. <i>Journal of the Air and Waste Management Association</i> , <b>1998</b> , 48, 786-97	2.4	52
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4	Trends in emissions and concentrations of air pollutants in the lower troposphere in the Baltimore/Washington airshed from 1997 to 2011		5
3	Aura OMI observations of regional SO <sub>2</sub> and NO <sub>2</sub> pollution changes from 2005 to 2014		19
2	The global tropospheric ammonia distribution as seen in the 13 year AIRS measurement record		10

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