

Russell Dickerson

List of Publications by Year in descending order

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178
papers

12,388
citations

22099

59
h-index

30010

103
g-index

208
all docs

208
docs citations

208
times ranked

8944
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-coverage mapping and spatiotemporal variations of ground-level ozone (O ₃) pollution from 2013 to 2020 across China. <i>Remote Sensing of Environment</i> , 2022, 270, 112775.	4.6	174
2	Carbon Monoxide Emissions from the Washington, DC, and Baltimore Metropolitan Area: Recent Trend and COVID-19 Anomaly. <i>Environmental Science & Technology</i> , 2022, 56, 2172-2180.	4.6	7
3	Global to local impacts on atmospheric CO ₂ from the COVID-19 lockdown, biosphere and weather variabilities. <i>Environmental Research Letters</i> , 2022, 17, 015003.	2.2	10
4	Investigation of the Community Multiscale air quality (CMAQ) model representation of the Climate Penalty Factor (CPF). <i>Atmospheric Environment</i> , 2022, 283, 119157.	1.9	3
5	Multidecadal trends in ozone chemistry in the Baltimore-Washington Region. <i>Atmospheric Environment</i> , 2022, 285, 119239.	1.9	4
6	Ground-Level NO ₂ Surveillance from Space Across China for High Resolution Using Interpretable Spatiotemporally Weighted Artificial Intelligence. <i>Environmental Science & Technology</i> , 2022, 56, 9988-9998.	4.6	90
7	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> , 2021, 55, 501-511.	1.5	1
8	Volcanic SO ₂ ; effective layer height retrieval for the Ozone Monitoring Instrument (OMI) using a machine-learning approach. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3673-3691.	1.2	5
9	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> , 2021, 773, 145030.	3.9	16
10	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> , 2021, 118, .	3.3	103
11	Airborne Observations of CFCs Over Hebei Province, China in Spring 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035152.	1.2	5
12	Observations of bay-breeze and ozone events over a marine site during the OWLETS-2 campaign. <i>Atmospheric Environment</i> , 2021, 263, 118669.	1.9	10
13	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> , 2020, 125, e2019JD032004.	1.2	11
14	Evaluation of thermal optical analysis (TOA) using an aqueous binary mixture. <i>Atmospheric Environment</i> , 2020, 241, 117647.	1.9	5
15	Wintertime CO ₂ , CH ₄ , and CO Emissions Estimation for the Washington, DC-Baltimore Metropolitan Area Using an Inverse Modeling Technique. <i>Environmental Science & Technology</i> , 2020, 54, 2606-2614.	4.6	25
16	Assessing Measurements of Pollution in the Troposphere (MOPITT) carbon monoxide retrievals over urban versus non-urban regions. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1337-1356.	1.2	16
17	Using near-road observations of CO, NO _y , and CO ₂ to investigate emissions from vehicles: Evidence for an impact of ambient temperature and specific humidity. <i>Atmospheric Environment</i> , 2020, 232, 117558.	1.9	16
18	Monitoring Neighborhood Concentrations of PM _{2.5} and Black Carbon: When Using Citywide Averages Underestimates Impacts in a Community with Environmental Justice Issues. <i>Environmental Justice</i> , 2020, 13, 27-35.	0.8	3

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19	Measurement report: Aircraft observations of ozone, nitrogen oxides, and volatile organic compounds over Hebei Province, China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14523-14545.	1.9	23
20	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14617-14647.	1.9	34
21	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> , 2020, 125, .	1.2	0
22	On the use of data from commercial NO _x analyzers for air pollution studies. <i>Atmospheric Environment</i> , 2019, 214, 116873.	1.9	36
23	Using Short-Term CO/CO ₂ Ratios to Assess Air Mass Differences Over the Korean Peninsula During KORUS-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10951-10972.	1.2	31
24	SO ₂ Emission Estimates Using OMI SO ₂ Retrievals for 2005–2017. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8336-8359.	1.2	47
25	Characterization and demonstration of a black carbon aerosol mimic for instrument evaluation. <i>Aerosol Science and Technology</i> , 2019, 53, 1322-1333.	1.5	7
26	Vertical profiles of NO ₂ , SO ₂ , 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> , 2019, 19, 5417-5449.	1.9	66
27	Measured and modelled ozone photochemical production in the Baltimore-Washington airshed. <i>Atmospheric Environment: X</i> , 2019, 2, 100017.	0.8	5
28	Estimating Methane Emissions From Underground Coal and Natural Gas Production in Southwestern Pennsylvania. <i>Geophysical Research Letters</i> , 2019, 46, 4531-4540.	1.5	32
29	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> , 2019, 206, 85-107.	1.9	5
30	Linking improvements in sulfur dioxide emissions to decreasing sulfate wet deposition by combining satellite and surface observations with trajectory analysis. <i>Atmospheric Environment</i> , 2019, 199, 210-223.	1.9	14
31	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> , 2019, 124, 1862-1878.	1.2	26
32	Impact of bay breeze and thunderstorm circulations on surface ozone at a site along the Chesapeake Bay 2011–2016. <i>Atmospheric Environment</i> , 2019, 198, 351-365.	1.9	12
33	Evaluating commercial marine emissions and their role in air quality policy using observations and the CMAQ model. <i>Atmospheric Environment</i> , 2018, 173, 96-107.	1.9	30
34	Vertical distributions of aerosol optical properties during the spring 2016 ARIAs airborne campaign in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8995-9010.	1.9	28
35	Top-Down Estimates of NO _x and CO Emissions From Washington, D.C.–Baltimore During the WINTER Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7705-7724.	1.2	35
36	Methane Emissions From the Baltimore–Washington Area Based on Airborne Observations: Comparison to Emissions Inventories. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8869-8882.	1.2	43

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37	Use of tethered sondes and aircraft profiles to study the impact of mesoscale and microscale meteorology on air quality. <i>Atmospheric Environment</i> , 2017, 149, 55-69.	1.9	16
38	Expected ozone benefits of reducing nitrogen oxide (NO _x) emissions from coal-fired electricity generating units in the eastern United States. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 279-291.	0.9	5
39	The net decay time of anomalies in concentrations of atmospheric pollutants. <i>Atmospheric Environment</i> , 2017, 160, 19-26.	1.9	3
40	Increased atmospheric ammonia over the world's major agricultural areas detected from space. <i>Geophysical Research Letters</i> , 2017, 44, 2875-2884.	1.5	275
41	India Is Overtaking China as the World's Largest Emitter of Anthropogenic Sulfur Dioxide. <i>Scientific Reports</i> , 2017, 7, 14304.	1.6	230
42	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> , 2017, 122, 11201-11226.	1.2	32
43	Urban emissions of water vapor in winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9467-9484.	1.2	18
44	Evaluation and environmental correction of ambient CO ₂ measurements from a low-cost NDIR sensor. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2383-2395.	1.2	72
45	An observationally constrained evaluation of the oxidative capacity in the tropical western Pacific troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7461-7488.	1.2	18
46	Response of SO ₂ and particulate air pollution to local and regional emission controls: A case study in Maryland. <i>Earth's Future</i> , 2016, 4, 94-109.	2.4	38
47	Impacts of brown carbon from biomass burning on surface UV and ozone photochemistry in the Amazon Basin. <i>Scientific Reports</i> , 2016, 6, 36940.	1.6	90
48	CAMx ozone source attribution in the eastern United States using guidance from observations during DISCOVER-AQ Maryland. <i>Geophysical Research Letters</i> , 2016, 43, 2249-2258.	1.5	39
49	Ozone production and its sensitivity to NO _x and VOCs: results from the DISCOVER-AQ field experiment, Houston 2013. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14463-14474.	1.9	85
50	Aura OMI observations of regional SO ₂ and NO ₂ pollution changes from 2005 to 2015. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4605-4629.	1.9	521
51	The global tropospheric ammonia distribution as seen in the 13-year AIRS measurement record. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5467-5479.	1.9	127
52	A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , 2016, 7, 10267.	5.8	33
53	The Indian Ocean Experiment: Widespread Air Pollution from South and Southeast Asia. <i>SpringerBriefs on Pioneers in Science and Practice</i> , 2016, , 197-209.	0.2	1
54	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> , 2015, 120, 12778-12793.	1.2	14

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55	Ozone and NO _x chemistry in the eastern US: evaluation of CMAQ/CB05 with satellite (OMI) data. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10965-10982.	1.9	84
56	Regional air quality impacts of hydraulic fracturing and shale natural gas activity: Evidence from ambient VOC observations. <i>Atmospheric Environment</i> , 2015, 110, 144-150.	1.9	88
57	Bay breeze influence on surface ozone at Edgewood, MD during July 2011. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 335-353.	1.4	49
58	Evaluation of the use of a commercially available cavity ringdown absorption spectrometer for measuring NO ₂ in flight, and observations over the Mid-Atlantic States, during DISCOVER-AQ. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 503-521.	1.4	27
59	Measured and modeled CO and NO _y in DISCOVER-AQ: An evaluation of emissions and chemistry over the eastern US. <i>Atmospheric Environment</i> , 2014, 96, 78-87.	1.9	114
60	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> , 2014, 84, 9-19.	1.9	48
61	Impact of Bay-Breeze Circulations on Surface Air Quality and Boundary Layer Export. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 1697-1713.	0.6	70
62	Method for Characterization of Low Molecular Weight Organic Acids in Atmospheric Aerosols Using Ion Chromatography Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 7328-7336.	3.2	25
63	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> , 2014, 85, 18-30.	1.9	33
64	Relationship between column-density and surface mixing ratio: Statistical analysis of O ₃ and NO ₂ data from the July 2011 Maryland DISCOVER-AQ mission. <i>Atmospheric Environment</i> , 2014, 92, 429-441.	1.9	46
65	Advancing measurements of tropospheric NO ₂ from space: New algorithm and first global results from OMPS. <i>Geophysical Research Letters</i> , 2014, 41, 4777-4786.	1.5	33
66	Evaluation of GEOS-5 sulfur dioxide simulations during the Frostburg, MD 2010 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1929-1941.	1.9	37
67	Remote sensing of fugitive methane emissions from oil and gas production in North American tight geologic formations. <i>Earth's Future</i> , 2014, 2, 548-558.	2.4	129
68	Emissions estimation from satellite retrievals: A review of current capability. <i>Atmospheric Environment</i> , 2013, 77, 1011-1042.	1.9	323
69	High ozone concentrations on hot days: The role of electric power demand and NO _x emissions. <i>Geophysical Research Letters</i> , 2013, 40, 5291-5294.	1.5	46
70	First observations of SO ₂ from the satellite Suomi NPP OMPS: Widespread air pollution events over China. <i>Geophysical Research Letters</i> , 2013, 40, 4957-4962.	1.5	79
71	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> , 2013, 13, 7859-7874.	1.9	55
72	SO ₂ over central China: Measurements, numerical simulations and the tropospheric sulfur budget. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	55

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73	Roles of Urban Tree Canopy and Buildings in Urban Heat Island Effects: Parameterization and Preliminary Results. <i>Journal of Applied Meteorology and Climatology</i> , 2012, 51, 1775-1793.	0.6	159
74	Aircraft measurements of SO ₂ and aerosols over northeastern China: Vertical profiles and the influence of weather on air quality. <i>Atmospheric Environment</i> , 2012, 62, 492-501.	1.9	14
75	An analysis of AERONET aerosol absorption properties and classifications representative of aerosol source regions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	311
76	The geostationary remote infrared pollution sounder (GRIPS). , 2012, , .		1
77	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> , 2011, 116, .	3.3	49
78	SO ₂ emissions and lifetimes: Estimates from inverse modeling using in situ and global, space-based (SCIAMACHY and OMI) observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	230
79	Characterization of an eastern U.S. severe air pollution episode using WRF/Chem. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	31
80	Aerosol properties over the Indo-Gangetic Plain: A mesoscale perspective from the TIGERZ experiment. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	144
81	Impact of Upstream Urbanization on the Urban Heat Island Effects along the Washingtonâ€“Baltimore Corridor. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 2012-2029.	0.6	95
82	Photoacoustic Measurements of Amplification of the Absorption Cross Section for Coated Soot Aerosols. <i>Aerosol Science and Technology</i> , 2011, 45, 1217-1230.	1.5	67
83	Impact of fair-weather cumulus clouds and the Chesapeake Bay breeze on pollutant transport and transformation. <i>Atmospheric Environment</i> , 2011, 45, 4060-4072.	1.9	68
84	Changes in seasonal and diurnal cycles of ozone and temperature in the eastern U.S.. <i>Atmospheric Environment</i> , 2010, 44, 2543-2551.	1.9	83
85	Transport and evolution of a pollution plume from northern China: A satelliteâ€“based case study. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
86	Identification of sources and formation processes of atmospheric sulfate by sulfur isotope and scanning electron microscope measurements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58
87	Concentrations and origins of atmospheric lead and other trace species at a rural site in northern China. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
88	Anthropogenic air pollution observed near dust source regions in northwestern China during springtime 2008. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
89	Modification of a commercial cavity ring-down spectroscopy NO ₂ detector for enhanced sensitivity. <i>Review of Scientific Instruments</i> , 2009, 80, 113107.	0.6	12
90	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> , 2009, 43, 4603-4611.	1.9	13

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91	Observed relationships of ozone air pollution with temperature and emissions. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	237
92	Upstream urbanization exacerbates urban heat island effects. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	93
93	Origins of chemical pollution derived from Mid-Atlantic aircraft profiles using a clustering technique. <i>Atmospheric Environment</i> , 2008, 42, 1727-1741.	1.9	50
94	Validation of SO ₂ retrievals from the Ozone Monitoring Instrument over NE China. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	139
95	Correction to "Aerosol optical properties and their radiative effects in northern China" <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	3
96	Aerosol optical properties and their radiative effects in northern China. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	209
97	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> , 2007, 112, .	3.3	91
98	Preface to special section on East Asian Studies of Tropospheric Aerosols: An International Regional Experiment (EASTAIRE). <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	151
99	Aircraft observations of dust and pollutants over northeast China: Insight into the meteorological mechanisms of transport. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	98
100	In situ measurements of aerosol mass concentration and radiative properties in Xianghe, southeast of Beijing. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	24
101	A side-by-side comparison of filter-based PM _{2.5} measurements at a suburban site: A closure study. <i>Atmospheric Environment</i> , 2007, 41, 6167-6184.	1.9	22
102	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> , 2006, 111, n/a-n/a.	3.3	99
103	A Combined Approach for the Evaluation of a Volatile Organic Compound Emissions Inventory. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 169-178.	0.9	4
104	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> , 2005, 110, .	3.3	8
105	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> , 2005, 32, .	1.5	3
106	New methodology for estimating biofuel consumption for cooking: Atmospheric emissions of black carbon and sulfur dioxide from India. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	58
107	Smoke over haze: Aircraft observations of chemical and optical properties and the effects on heating rates and stability. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	42
108	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> , 2004, 109, .	3.3	25

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109	The 2003 North American electrical blackout: An accidental experiment in atmospheric chemistry. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	41
110	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> , 2004, 61, 1781-1793.	0.6	33
111	Bulk and size-segregated aerosol composition observed during INDOEX 1999: Overview of meteorology and continental impacts. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	31
112	Trace gas and radical diurnal behavior in the marine boundary layer during INDOEX 1999. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	28
113	Photolysis frequency of NO ₂ : Measurement and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52
114	Characterization of carbonaceous aerosols outflow from India and Arabia: Biomass/biofuel burning and fossil fuel combustion. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	109
115	Analysis of a Summertime PM _{2.5} and Haze Episode in the Mid-Atlantic Region. <i>Journal of the Air and Waste Management Association</i> , 2003, 53, 946-956.	0.9	85
116	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> , 2003, 3, 267-289.	1.9	128
117	Latitudinal gradients in O ₃ and CO during INDOEX 1999. <i>Journal of Geophysical Research</i> , 2002, 107, INX2 15-1.	3.3	40
118	Analysis of black carbon and carbon monoxide observed over the Indian Ocean: Implications for emissions and photochemistry. <i>Journal of Geophysical Research</i> , 2002, 107, INX2 16-1.	3.3	112
119	Organic trace gas measurements by PTR-MS during INDOEX 1999. <i>Journal of Geophysical Research</i> , 2002, 107, INX2 23-1.	3.3	89
120	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> , 2002, 36, 4541-4554.	1.9	100
121	Regional air pollution and its radiative forcing: Studies with a single-column chemical and radiation transport model. <i>Journal of Geophysical Research</i> , 2001, 106, 28751-28770.	3.3	17
122	Marine boundary layer peroxy radical chemistry during the AEROSOLS99 campaign: Measurements and analysis. <i>Journal of Geophysical Research</i> , 2001, 106, 20833-20846.	3.3	31
123	Seasonal variations in elemental carbon aerosol, carbon monoxide and sulfur dioxide: Implications for sources. <i>Geophysical Research Letters</i> , 2001, 28, 1711-1714.	1.5	139
124	Source analysis of carbon monoxide pollution during INDOEX 1999. <i>Journal of Geophysical Research</i> , 2001, 106, 28481-28495.	3.3	35
125	The Indian Ocean Experiment: Widespread Air Pollution from South and Southeast Asia. <i>Science</i> , 2001, 291, 1031-1036.	6.0	687
126	Observations of NO _y , CO, and SO ₂ and the origin of reactive nitrogen in the eastern United States. <i>Journal of Geophysical Research</i> , 2000, 105, 3553-3563.	3.3	26

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127	Nonmethane hydrocarbon mixing ratios in continental outflow air from eastern North America: Export of ozone precursors to Bermuda. <i>Journal of Geophysical Research</i> , 2000, 105, 9981-9990.	3.3	11
128	Determination of the dynamic response of a nitric oxide detector. <i>Review of Scientific Instruments</i> , 1999, 70, 4078-4080.	0.6	1
129	Carbon monoxide in the U.S. mid-Atlantic troposphere: Evidence for a decreasing trend. <i>Geophysical Research Letters</i> , 1999, 26, 2861-2864.	1.5	15
130	Ozone in the remote marine boundary layer: A possible role for halogens. <i>Journal of Geophysical Research</i> , 1999, 104, 21385-21395.	3.3	133
131	Tropospheric O ₃ distribution over the Indian Ocean during spring 1995 evaluated with a chemistry-climate model. <i>Journal of Geophysical Research</i> , 1999, 104, 13881-13893.	3.3	47
132	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> , 1999, 104, 26219-26233.	3.3	55
133	A Photothermal Interferometer for Gas-Phase Ammonia Detection. <i>Analytical Chemistry</i> , 1999, 71, 1391-1399.	3.2	54
134	Nitric oxide soil emissions from tilled and untilled cornfields. <i>Agricultural and Forest Meteorology</i> , 1998, 90, 307-311.	1.9	21
135	Nitric oxide production by simulated lightning: Dependence on current, energy, and pressure. <i>Journal of Geophysical Research</i> , 1998, 103, 19149-19159.	3.3	148
136	Pollutant Transport During a Regional O ₃ Episode in the Mid-Atlantic States. <i>Journal of the Air and Waste Management Association</i> , 1998, 48, 786-797.	0.9	59
137	Ground-based and airborne observations of carbon monoxide during NASA Measurements of Air Pollution From Satellite (MAPS) missions SRL-1 and SRL-2. <i>Journal of Geophysical Research</i> , 1998, 103, 19305-19316.	3.3	10
138	Composition of the troposphere over the Indian Ocean during the monsoonal transition. <i>Journal of Geophysical Research</i> , 1997, 102, 18981-18995.	3.3	74
139	The Impact of Aerosols on Solar Ultraviolet Radiation and Photochemical Smog. <i>Science</i> , 1997, 278, 827-830.	6.0	578
140	Climatologies of NO _x and NO _y : A comparison of data and models. <i>Atmospheric Environment</i> , 1997, 31, 1851-1904.	1.9	111
141	Stratosphere-troposphere exchange in a midlatitude mesoscale convective complex: 1. Observations. <i>Journal of Geophysical Research</i> , 1996, 101, 6823-6836.	3.3	146
142	Seasonal transition from NO _x - to hydrocarbon-limited conditions for ozone production over the eastern United States in September. <i>Journal of Geophysical Research</i> , 1995, 100, 9315.	3.3	150
143	Rate of NO ₂ photolysis from the surface to 7.6 km altitude in clear-sky and clouds. <i>Geophysical Research Letters</i> , 1995, 22, 2621-2624.	1.5	43
144	Large-scale pollution of the atmosphere over the remote Atlantic Ocean: Evidence from Bermuda. <i>Journal of Geophysical Research</i> , 1995, 100, 8945.	3.3	83

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145	Observations and tropospheric photochemistry in central North Carolina. <i>Journal of Geophysical Research</i> , 1994, 99, 10553.	3.3	21
146	Convective transport over the central United States and its role in regional CO and ozone budgets. <i>Journal of Geophysical Research</i> , 1994, 99, 18703.	3.3	96
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