

Anne M Thompson

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.

299 papers	14,882 citations	65 h-index	108 g-index
350 ext. papers	16,319 ext. citations	6.1 avg, IF	6.06 L-index

#	Paper	IF	Citations
299	Impact of biomass burning and stratospheric intrusions in the remote South Pacific Ocean troposphere. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4075-4099	6.8	2
298	Combined UV and IR ozone profile retrieval from TROPOMI and CrIS measurements. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 2955-2978	4	0
297	TROPOMI tropospheric ozone column data: geophysical assessment and comparison to ozonesondes, GOME-2B and OMI. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7405-7433	4	2
296	Improving ECC Ozonesonde Data Quality: Assessment of Current Methods and Outstanding Issues. <i>Earth and Space Science</i> , 2021 , 8, e2019EA000914	3.1	14
295	COVID-19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091987	4.9	19
294	Comprehensive evaluations of diurnal NO ₂ measurements during DISCOVER-AQ 2011: effects of resolution-dependent representation of NO _x emissions. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11133-11160	6.8	1
293	Ozone profile retrieval from nadir TROPOMI measurements in the UV range. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 6057-6082	4	5
292	Validation of SAGE III/ISS Solar Occultation Ozone Products With Correlative Satellite and Ground-Based Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032430	4.4	9
291	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	4.9	10
290	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	6.8	17
289	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	4	7
288	Impact of Aerosols From Urban and Shipping Emission Sources on Terrestrial Carbon Uptake and Evapotranspiration: A Case Study in East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD030818	4.4	3
287	Evaluation of Stratospheric Intrusions and Biomass Burning Plumes on the Vertical Distribution of Tropospheric Ozone Over the Midwestern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032454	4.4	6
286	Estimating wildfire-generated ozone over North America using ozonesonde profiles and a differential back trajectory technique. <i>Atmospheric Environment: X</i> , 2020 , 7, 100078	2.8	6
285	Statistical analysis of factors driving surface ozone variability over continental South Africa. <i>Journal of Integrative Environmental Sciences</i> , 2020 , 17, 1-28	3	1
284	The Effects of a 1998 Observing System Change on MERRA-2-Based Ozone Profile Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 7429	4.4	8
283	Taehwa Research Forest: A receptor site for severe domestic pollution events in Korea during 2016. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5051-5067	6.8	5

282	Trends in global tropospheric ozone inferred from a composite record of TOMS/OMI/MLS/OMPS satellite measurements and the MERRA-2 GMI simulation. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3257-3269	6.8	60
281	The NASA Wallops Flight Facility Digital Ozonesonde Record: Reprocessing, Uncertainties, and Dual Launches. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 3565-3582	4.4	7
280	Ozonesonde Quality Assurance: The JOSIE-SHADOZ (2017) Experience. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 155-171	6.1	14
279	Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. <i>Elementa</i> , 2019 , 7,	3.6	60
278	Boundary layer ozone in the Northern Colorado Front Range in July/August 2014 during FRAPPE and DISCOVER-AQ from vertical profile measurements. <i>Elementa</i> , 2019 , 7,	3.6	6
277	Comparison of Near-surface NO Pollution with Pandora Total Column NO during the Korea-United States Ocean Color (KORUS OC) Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 13560-13575	4.4	12
276	Balance of Emission and Dynamical Controls on Ozone During the Korea-United States Air Quality Campaign From Multiconstituent Satellite Data Assimilation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 387-413	4.4	36
275	Quantifying stratosphere-troposphere transport of ozone using balloon-borne ozonesondes, radar windprofilers and trajectory models. <i>Atmospheric Environment</i> , 2019 , 198, 496-509	5.3	25
274	The Ozone Water-Land Environmental Transition Study (OWLETS): An Innovative Strategy for Understanding Chesapeake Bay Pollution Events. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 291-306	6.1	20
273	First Reprocessing of Southern Hemisphere ADDitional OZonesondes (SHADOZ) Profile Records: 3. Uncertainty in Ozone Profile and Total Column. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3243-3268	4.4	28
272	OMI Satellite and Ground-Based Pandora Observations and Their Application to Surface NO ₂ Estimations at Terrestrial and Marine Sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 1441-1459	4.4	12
271	The Network for the Detection of Atmospheric Composition Change (NDACC): history, status and perspectives. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 4935-4964	6.8	98
270	Characterizing Global Ozonesonde Profile Variability from Surface to the UT/LS with a Clustering Technique and MERRA-2 Reanalysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 6213-6229	4.4	15
269	Tropospheric Ozone Assessment Report: Present-day distribution and trends of tropospheric ozone relevant to climate and global atmospheric chemistry model evaluation. <i>Elementa</i> , 2018 , 6,	3.6	160
268	Designing the Climate Observing System of the Future. <i>Earth's Future</i> , 2018 , 6, 80-102	7.9	13
267	Seasonal influences on surface ozone variability in continental South Africa and implications for air quality. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 15491-15514	6.8	18
266	Trends in Global Tropospheric Ozone Inferred from a Composite Record of TOMS/OMI/MLS/OMPS Satellite Measurements and the MERRA-2 GMI Simulation 2018 ,		2
265	Retrievals of tropospheric ozone profiles from the synergism of AIRS and OMI: methodology and validation. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 5587-5605	4	26

264	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	4	33
263	Seasonal influences on surface ozone variability in continental South Africa and implications for air quality 2018 ,		2
262	Harmonisation and trends of 20-year tropical tropospheric ozone data. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9189-9205	6.8	5
261	Evaluating high-resolution forecasts of atmospheric CO and CO ₂ from a global prediction system during KORUS-AQ field campaign. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11007-11030	6.8	26
260	Probabilistic Forecasting of Surface Ozone with a Novel Statistical Approach. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 297-316	2.7	10
259	Ground-based High Spectral Resolution Lidar observation of aerosol vertical distribution in the summertime Southeast United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 2970-3004	4.4	25
258	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	4.4	12
257	Ozone production by corona discharges during a convective event in DISCOVER-AQ Houston. <i>Atmospheric Environment</i> , 2017 , 161, 13-17	5.3	6
256	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	4.4	55
255	Validation of 10-year SAO OMI Ozone Profile (PROFOZ) product using ozonesonde observations. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 2455-2475	4	31
254	The Network for the Detection of Atmospheric Composition Change (NDACC): History, status and perspectives 2017 ,		3
253	Using observations and source specific model tracers to characterize pollutant transport during FRAPPE and DISCOVER-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10510-10538	4.4	18
252	Ozone Variability and Anomalies Observed during SENEX and SEACRS Campaigns in 2013. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 11227-11241	4.4	6
251	The effect of entrainment through atmospheric boundary layer growth on observed and modeled surface ozone in the Colorado Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 6075-6093	4.4	24
250	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	4.4	43
249	Resolving ozone vertical gradients in air quality models 2017 ,		8
248	Surface ozone in the Colorado northern Front Range and the influence of oil and gas development during FRAPPE/DISCOVER-AQ in summer 2014. <i>Elementa</i> , 2017 , 5,	3.6	21
247	NO _x emissions, isoprene oxidation pathways, vertical mixing, and implications for surface ozone in the Southeast United States 2016 ,		8

246	Planning, implementation, and scientific goals of the Studies of Emissions and Atmospheric Composition, Clouds and Climate Coupling by Regional Surveys (SEAC4RS) field mission. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 4967-5009	4.4	129
245	Quantifying the contribution of thermally driven recirculation to a high-ozone event along the Colorado Front Range using lidar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,377-10,390	4.4	27
244	Spatial and temporal variability of ground and satellite column measurements of NO ₂ and O ₃ over the Atlantic Ocean during the Deposition of Atmospheric Nitrogen to Coastal Ecosystems Experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14,175-14,187	4.4	11
243	Atmospheric benzene observations from oil and gas production in the Denver-Julesburg Basin in July and August 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 11,055-11,074	4.4	51
242	Tropospheric ozonesonde profiles at long-term U.S. monitoring sites: 1. A climatology based on self-organizing maps. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 1320-1339	4.4	18
241	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	4.9	32
240	Tropospheric ozone change from 1980 to 2010 dominated by equatorward redistribution of emissions. <i>Nature Geoscience</i> , 2016 , 9, 875-879	18.3	94
239	Origins of tropospheric ozone interannual variation (IAV) over RUnion: A model investigation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 521-537	4.4	13
238	Analysis of the latitudinal variability of tropospheric ozone in the Arctic using the large number of aircraft and ozonesonde observations in early summer 2008. <i>Atmospheric Chemistry and Physics</i> , 2016 , Volume 16, 13341-13358	6.8	7
237	Why do Models Overestimate Surface Ozone in the Southeastern United States?. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13561-13577	6.8	239
236	A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , 2016 , 7, 10267	17.4	27
235	Ground-based assessment of the bias and long-term stability of fourteen limb and occultation ozone profile data records. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 2497-2534	4	9
234	Frequency and Impact of Summertime Stratospheric Intrusions over Maryland during DISCOVER-AQ (2011): New Evidence from NASA's GEOS-5 Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , Volume 121, 3687-3706	4.4	40
233	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	4	74
232	A space-based, high-resolution view of notable changes in urban NO _x pollution around the world (2005-2014). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 976-996	4.4	249
231	THE FIRST TWENTY YEARS (1994-2014) OF OZONE SOUNDINGS FROM RAPA NUI (27°S, 109°W, 51 M A.S.L.). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2016 , 68,	3.3	8
230	Formaldehyde column density measurements as a suitable pathway to estimate near-surface ozone tendencies from space. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13088-13112	4.4	14
229	Bay breeze climatology at two sites along the Chesapeake bay from 1986-2010: Implications for surface ozone. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 355-372	3.2	15

228	Estimating surface NO and SO mixing ratios from fast-response total column observations and potential application to geostationary missions. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 261-286	3.2	33
227	Ozone correlations between mid-tropospheric partial columns and the near-surface at two mid-atlantic sites during the DISCOVER-AQ campaign in July 2011. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 373-391	3.2	12
226	Effects of local meteorology and aerosols on ozone and nitrogen dioxide retrievals from OMI and pandora spectrometers in Maryland, USA during DISCOVER-AQ 2011. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 455-482	3.2	23
225	Evaluation of NAQFC model performance in forecasting surface ozone during the 2011 DISCOVER-AQ campaign. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 483-501	3.2	3
224	Bay breeze influence on surface ozone at Edgewood, MD during July 2011. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 335-353	3.2	36
223	Ozone profiles in the Baltimore-Washington region (2006-2011): satellite comparisons and DISCOVER-AQ observations. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 393-422	3.2	19
222	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	4.4	26
221	Reactivity and temporal variability of volatile organic compounds in the Baltimore/DC region in July 2011. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 197-213	3.2	6
220	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6721-6744	6.8	52
219	Signature of a tropical Pacific cyclone in the composition of the upper troposphere over Socorro, NM. <i>Geophysical Research Letters</i> , 2015 , 42, 9530-9537	4.9	7
218	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	5.3	30
217	Surface ozone variability and trends over the South African Highveld from 1990 to 2007. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4323-4342	4.4	19
216	Stratospheric ozone trends and variability as seen by SCIAMACHY from 2002 to 2012. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 831-846	6.8	58
215	On the hiatus in the acceleration of tropical upwelling since the beginning of the 21st century. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12803-12814	6.8	15
214	Tropospheric ozone increases over the southern Africa region: bellwether for rapid growth in Southern Hemisphere pollution?. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9855-9869	6.8	47
213	Propagation of radiosonde pressure sensor errors to ozonesonde measurements. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 65-79	4	27
212	Global distribution and trends of tropospheric ozone: An observation-based review. <i>Elementa</i> , 2014 , 2,	3.6	292
211	Fire in the Air: Biomass Burning Impacts in a Changing Climate. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 40-83	11.1	96

210	Ensemble statistical post-processing of the National Air Quality Forecast Capability: Enhancing ozone forecasts in Baltimore, Maryland. <i>Atmospheric Environment</i> , 2013 , 81, 517-522	5.3	11
209	Propagation of radiosonde pressure sensor errors to ozonesonde measurements 2013 ,		3
208	Classification of Ascension Island and Natal ozonesondes using self-organizing maps. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		21
207	One year ozonesonde measurements at Kerguelen Island (49.2°S, 70.1°E): Influence of stratosphere-to-troposphere exchange and long-range transport of biomass burning plumes. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		10
206	Surface ozone at a coastal suburban site in 2009 and 2010: Relationships to chemical and meteorological processes. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		38
205	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, n/a-n/a		52
204	Environment Canada cuts threaten the future of science and international agreements. <i>Eos</i> , 2012 , 93, 69-69	1.5	1
203	Atmospheric chemistry over southern Africa. <i>Eos</i> , 2012 , 93, 110-110	1.5	0
202	An analysis of AERONET aerosol absorption properties and classifications representative of aerosol source regions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		240
201	Simulations of Infrared Radiances over a Deep Convective Cloud System Observed during TC4: Potential for Enhancing Nocturnal Ice Cloud Retrievals. <i>Remote Sensing</i> , 2012 , 4, 3022-3054	5	8
200	Estimating the climate significance of halogen-driven ozone loss in the tropical marine troposphere. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 3939-3949	6.8	138
199	Characteristics of tropospheric ozone depletion events in the Arctic spring: analysis of the ARCTAS, ARCPAC, and ARCIONS measurements and satellite BrO observations. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 9909-9922	6.8	33
198	A multi-sensor upper tropospheric ozone product (MUTOP) based on TES ozone and GOES water vapor: validation with ozonesondes. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5661-5676	6.8	4
197	Technical Note: Ozonesonde climatology between 1995 and 2011: description, evaluation and applications. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7475-7497	6.8	75
196	The Value of Air Quality Forecasting in the Mid-Atlantic Region. <i>Weather, Climate, and Society</i> , 2012 , 4, 69-79	2.3	7
195	Impacts of midlatitude precursor emissions and local photochemistry on ozone abundances in the Arctic. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		46
194	Gravity and Rossby wave signatures in the tropical troposphere and lower stratosphere based on Southern Hemisphere Additional Ozonesondes (SHADOZ), 1998-2007. <i>Journal of Geophysical Research</i> , 2011 , 116,		23
193	An intercomparison of tropospheric ozone retrievals derived from two Aura instruments and measurements in western North America in 2006. <i>Journal of Geophysical Research</i> , 2011 , 116,		12

192	Interannual variability and trends in tropical ozone derived from SAGE II satellite data and SHADOZ ozonesondes. <i>Journal of Geophysical Research</i> , 2011 , 116,		93
191	Aerosol properties over the Indo-Gangetic Plain: A mesoscale perspective from the TIGERZ experiment. <i>Journal of Geophysical Research</i> , 2011 , 116,		122
190	Modeling ozone plumes observed downwind of New York City over the North Atlantic Ocean during the ICARTT field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 7375-7397	6.8	17
189	Strategic ozone sounding networks: Review of design and accomplishments. <i>Atmospheric Environment</i> , 2011 , 45, 2145-2163	5.3	50
188	Tropopause Characteristics and Variability from 11 yr of SHADOZ Observations in the Southern Tropics and Subtropics. <i>Journal of Applied Meteorology and Climatology</i> , 2011 , 50, 1403-1416	2.7	14
187	A study of tropospheric ozone column enhancements over North America using satellite data and a global chemical transport model. <i>Journal of Geophysical Research</i> , 2010 , 115,		8
186	Low-ozone bubbles observed in the tropical tropopause layer during the TC4 campaign in 2007. <i>Journal of Geophysical Research</i> , 2010 , 115,		8
185	Convective and wave signatures in ozone profiles over the equatorial Americas: Views from TC4 2007 and SHADOZ. <i>Journal of Geophysical Research</i> , 2010 , 115,		29
184	High-resolution tropospheric ozone fields for INTEX and ARCTAS from IONS ozonesondes. <i>Journal of Geophysical Research</i> , 2010 , 115,		31
183	QBO and ENSO variability in temperature and ozone from SHADOZ, 1998–2005. <i>Journal of Geophysical Research</i> , 2010 , 115,		36
182	Convective distribution of tropospheric ozone and tracers in the Central American ITCZ region: Evidence from observations during TC4. <i>Journal of Geophysical Research</i> , 2010 , 115,		30
181	Validation of northern latitude Tropospheric Emission Spectrometer stare ozone profiles with ARC-IONS sondes during ARCTAS: sensitivity, bias and error analysis. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9901-9914	6.8	46
180	Lightning NO _x emissions over the USA constrained by TES ozone observations and the GEOS-Chem model. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 107-119	6.8	33
179	Observations of ozone production in a dissipating tropical convective cell during TC4. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 11189-11208	6.8	11
178	The Arctic Research of the Composition of the Troposphere from Aircraft and Satellites (ARCTAS) mission: design, execution, and first results. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5191-5212	6.8	364
177	Trans-Pacific transport of reactive nitrogen and ozone to Canada during spring. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8353-8372	6.8	37
176	A comprehensive evaluation of seasonal simulations of ozone in the northeastern US during summers of 2001–2005. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9-27	6.8	9
175	An evaluation of the interaction of morning residual layer and afternoon mixed layer ozone in Houston using ozonesonde data. <i>Atmospheric Environment</i> , 2010 , 44, 4024-4034	5.3	45

174	Enhanced ozone over western North America from biomass burning in Eurasia during April 2008 as seen in surface and profile observations. <i>Atmospheric Environment</i> , 2010 , 44, 4497-4509	5.3	42
173	The variability of free tropospheric ozone over Beltsville, Maryland (39N, 77W) in the summers 2004-2007. <i>Atmospheric Environment</i> , 2009 , 43, 1827-1838	5.3	28
172	The impact of chemical lateral boundary conditions on CMAQ predictions of tropospheric ozone over the continental United States. <i>Environmental Fluid Mechanics</i> , 2009 , 9, 43-58	2.2	59
171	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,		37
170	Impact of the assimilation of ozone from the Tropospheric Emission Spectrometer on surface ozone across North America. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	47
169	Validation of ozone measurements from the Atmospheric Chemistry Experiment (ACE). <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 287-343	6.8	112
168	An Overview of Strategic Ozone Sounding Networks: Insights into Ozone Budgets, UT/LS Processes and Tropical Climate Signatures 2009 , 237-249		
167	Origins of chemical pollution derived from Mid-Atlantic aircraft profiles using a clustering technique. <i>Atmospheric Environment</i> , 2008 , 42, 1727-1741	5.3	45
166	Validation of Tropospheric Emission Spectrometer (TES) measurements of the total, stratospheric, and tropospheric column abundance of ozone. <i>Journal of Geophysical Research</i> , 2008 , 113,		73
165	Validation of Tropospheric Emission Spectrometer (TES) nadir ozone profiles using ozonesonde measurements. <i>Journal of Geophysical Research</i> , 2008 , 113,		160
164	Initial validation of ozone measurements from the High Resolution Dynamics Limb Sounder. <i>Journal of Geophysical Research</i> , 2008 , 113,		30
163	Assimilated ozone from EOS-Aura: Evaluation of the tropopause region and tropospheric columns. <i>Journal of Geophysical Research</i> , 2008 , 113,		65
162	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,		108
161	Estimating the summertime tropospheric ozone distribution over North America through assimilation of observations from the Tropospheric Emission Spectrometer. <i>Journal of Geophysical Research</i> , 2008 , 113,		77
160	Analysis of the Summer 2004 ozone budget over the United States using Intercontinental Transport Experiment Ozonesonde Network Study (IONS) observations and Model of Ozone and Related Tracers (MOZART-4) simulations. <i>Journal of Geophysical Research</i> , 2008 , 113,		44
159	Remote Sensing of Tropospheric Pollution from Space. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 805-822	6.1	91
158	The Quasi-biennial Oscillation and annual variations in tropical ozone from SHADOZ and HALOE. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 3929-3936	6.8	27
157	Tropospheric ozone sources and wave activity over Mexico City and Houston during MILAGRO/Intercontinental Transport Experiment (INTEX-B) Ozonesonde Network Study, 2006 (IONS-06). <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 5113-5125	6.8	58

156	Transpacific transport of ozone pollution and the effect of recent Asian emission increases on air quality in North America: an integrated analysis using satellite, aircraft, ozonesonde, and surface observations. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 6117-6136	6.8	312
155	Assessment of the performance of ECC-ozonesondes under quasi-flight conditions in the environmental simulation chamber: Insights from the Juelich Ozone Sonde Intercomparison Experiment (JOSIE). <i>Journal of Geophysical Research</i> , 2007 , 112,		243
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