

Anne M Thompson

List of Publications by Year in descending order

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283
papers

17,880
citations

13854

67
h-index

22808

112
g-index

350
all docs

350
docs citations

350
times ranked

9046
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Wet and dry removal of tropospheric formaldehyde at a coastal site. <i>Tellus</i> , 2022, 32, 376. | 0.4 | 29 |
| 2 | The atmospheric CH ₄ increase since the Last Glacial Maximum: (1). Source estimates. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 45, 228. | 0.8 | 82 |
| 3 | The atmospheric CH ₄ increase since the Last Glacial Maximum: (2) Interactions with oxidants. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 45, 242. | 0.8 | 31 |
| 4 | The first twenty years (1994–2014) of ozone soundings from Rapa Nui (27°S, 109°W, 51m a.s.l.). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 29484. | 0.8 | 9 |
| 5 | Impact of biomass burning and stratospheric intrusions in the remote South Pacific Ocean troposphere. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4075-4099. | 1.9 | 9 |
| 6 | Combined UV and IR ozone profile retrieval from TROPOMI and CrIS measurements. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2955-2978. | 1.2 | 7 |
| 7 | Cause of a Lower-Tropospheric High-Ozone Layer in Spring Over Hanoi. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, . | 1.2 | 0 |
| 8 | COVID-19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091987. | 1.5 | 51 |
| 9 | Improving ECC Ozone Sonde Data Quality: Assessment of Current Methods and Outstanding Issues. <i>Earth and Space Science</i> , 2021, 8, e2019EA000914. | 1.1 | 30 |
| 10 | 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. | 1.9 | 7 |
| 11 | Ozone profile retrieval from nadir TROPOMI measurements in the UV range. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6057-6082. | 1.2 | 9 |
| 12 | Regional and Seasonal Trends in Tropical Ozone From SHADOZ Profiles: Reference for Models and Satellite Products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034691. | 1.2 | 28 |
| 13 | 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 |
| 14 | 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. | 1.2 | 3 |
| 15 | 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. | 1.2 | 13 |
| 16 | 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 |
| 17 | Statistical analysis of factors driving surface ozone variability over continental South Africa. <i>Journal of Integrative Environmental Sciences</i> , 2020, 17, 1-28. | 1.0 | 5 |
| 18 | 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. | 1.2 | 24 |

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|----|--|-----|-----------|
| 19 | A Post-2013 Dropoff in Total Ozone at a Third of Global Ozone-sonde Stations: Electrochemical Concentration Cell Instrument Artifacts?. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086791. | 1.5 | 19 |
| 20 | 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 |
| 21 | A new method to correct the electrochemical concentration cell (ECC) ozone-sonde time response and its implications for background current and pump efficiency. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5667-5680. | 1.2 | 15 |
| 22 | 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. | 1.2 | 14 |
| 23 | 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. | 1.9 | 7 |
| 24 | 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. | 1.9 | 119 |
| 25 | The NASA Wallops Flight Facility Digital Ozone-sonde Record: Reprocessing, Uncertainties, and Dual Launches. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3565-3582. | 1.2 | 9 |
| 26 | Ozone-sonde Quality Assurance: The JOSIE-SHADOZ (2017) Experience. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 155-171. | 1.7 | 23 |
| 27 | 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, . | 1.1 | 9 |
| 28 | Comparison of Near-Surface NO ₂ Pollution With Pandora Total Column NO ₂ During the Korea-United States Ocean Color (KORUS OC) Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13560-13575. | 1.2 | 21 |
| 29 | 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. | 1.2 | 51 |
| 30 | Quantifying stratosphere-troposphere transport of ozone using balloon-borne ozone sondes, radar windprofilers and trajectory models. <i>Atmospheric Environment</i> , 2019, 198, 496-509. | 1.9 | 34 |
| 31 | The Ozone Water-Land Environmental Transition Study: An Innovative Strategy for Understanding Chesapeake Bay Pollution Events. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 291-306. | 1.7 | 41 |
| 32 | Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. <i>Elementa</i> , 2019, 7, . | 1.1 | 103 |
| 33 | First Reprocessing of Southern Hemisphere Additional Ozone-sondes Profile Records: 3. Uncertainty in Ozone Profile and Total Column. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3243-3268. | 1.2 | 46 |
| 34 | 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. | 1.2 | 16 |
| 35 | The Network for the Detection of Atmospheric Composition Change (NDACC): history, status and perspectives. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4935-4964. | 1.9 | 162 |
| 36 | Designing the Climate Observing System of the Future. <i>Earth's Future</i> , 2018, 6, 80-102. | 2.4 | 24 |

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|----|--|-----|-----------|
| 37 | 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. | 1.9 | 26 |
| 38 | Retrievals of tropospheric ozone profiles from the synergism of AIRS and OMI: methodology and validation. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5587-5605. | 1.2 | 43 |
| 39 | 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 |
| 40 | Harmonisation and trends of 20-year tropical tropospheric ozone data. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9189-9205. | 1.9 | 9 |
| 41 | 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. | 1.9 | 35 |
| 42 | 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. | 1.2 | 21 |
| 43 | 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, . | 1.1 | 240 |
| 44 | Probabilistic Forecasting of Surface Ozone with a Novel Statistical Approach. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 297-316. | 0.6 | 10 |
| 45 | 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. | 1.2 | 35 |
| 46 | 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 |
| 47 | Ozone production by corona discharges during a convective event in DISCOVER-AQ Houston. <i>Atmospheric Environment</i> , 2017, 161, 13-17. | 1.9 | 9 |
| 48 | 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 |
| 49 | Using Observations and Source-specific Model Tracers to Characterize Pollutant Transport During FRAPP% and DISCOVER-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10510-10538. | 1.2 | 22 |
| 50 | Ozone Variability and Anomalies Observed During SENEX and SEAC ⁴ RS Campaigns in 2013. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11227-11241. | 1.2 | 9 |
| 51 | 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. | 1.2 | 39 |
| 52 | 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 |
| 53 | Validation of 10-year SAO OMI Ozone Profile (PROFOZ) product using ozonesonde observations. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2455-2475. | 1.2 | 53 |
| 54 | 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, . | 1.1 | 33 |

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|----|---|-----|-----------|
| 55 | Frequency and impact of summertime stratospheric intrusions over Maryland during DISCOVER ^{EAQ} (2011): New evidence from NASA's GEOS ⁵ simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3687-3706. | 1.2 | 49 |
| 56 | 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 |
| 57 | 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. | 1.2 | 322 |
| 58 | 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. | 1.2 | 19 |
| 59 | Planning, implementation, and scientific goals of the Studies of Emissions and Atmospheric Composition, Clouds and Climate Coupling by Regional Surveys (SEAC ⁴ /RS) field mission. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4967-5009. | 1.2 | 158 |
| 60 | 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. | 1.2 | 34 |
| 61 | 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. | 1.2 | 15 |
| 62 | 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. | 1.2 | 70 |
| 63 | 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. | 1.2 | 26 |
| 64 | CAMx ozone source attribution in the eastern United States using guidance from observations during DISCOVER ^{EAQ} Maryland. <i>Geophysical Research Letters</i> , 2016, 43, 2249-2258. | 1.5 | 39 |
| 65 | Tropospheric ozone change from 1980 to 2010 dominated by equatorward redistribution of [€] emissions. <i>Nature Geoscience</i> , 2016, 9, 875-879. | 5.4 | 140 |
| 66 | Origins of tropospheric ozone interannual variation over R [€] A [€] union: A model investigation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 521-537. | 1.2 | 15 |
| 67 | 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, 16, 13341-13358. | 1.9 | 10 |
| 68 | Why do models overestimate surface ozone in the Southeast United States?. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13561-13577. | 1.9 | 320 |
| 69 | A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , 2016, 7, 10267. | 5.8 | 33 |
| 70 | Ground-based assessment of the bias and long-term stability of fourteen limb and occultation ozone profile data records. , 2016, 9, 2497-2534. | | 9 |
| 71 | 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. | 1.2 | 33 |
| 72 | 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. | 1.4 | 7 |

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| 73 | The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6721-6744. | 1.9 | 62 |
| 74 | 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. | 1.5 | 9 |
| 75 | 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. | 1.4 | 22 |
| 76 | Estimating surface NO ₂ and SO ₂ mixing ratios from fast-response total column observations and potential application to geostationary missions. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 261-286. | 1.4 | 39 |
| 77 | 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. | 1.4 | 12 |
| 78 | 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. | 1.4 | 27 |
| 79 | 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. | 1.4 | 4 |
| 80 | 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 |
| 81 | 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. | 1.4 | 20 |
| 82 | Propagation of radiosonde pressure sensor errors to ozonesonde measurements. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 65-79. | 1.2 | 29 |
| 83 | 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 |
| 84 | 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. | 1.2 | 21 |
| 85 | Stratospheric ozone trends and variability as seen by SCIAMACHY from 2002 to 2012. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 831-846. | 1.9 | 66 |
| 86 | 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. | 1.9 | 16 |
| 87 | 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. | 1.9 | 71 |
| 88 | Global distribution and trends of tropospheric ozone: An observation-based review. <i>Elementa</i> , 2014, 2, . | 1.1 | 365 |
| 89 | Fire in the Air: Biomass Burning Impacts in a Changing Climate. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 40-83. | 6.6 | 125 |
| 90 | 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. | 1.9 | 14 |

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|-----|--|-----|-----------|
| 91 | Estimating the climate significance of halogen-driven ozone loss in the tropical marine troposphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3939-3949. | 1.9 | 157 |
| 92 | 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. | 1.9 | 42 |
| 93 | 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. | 1.9 | 4 |
| 94 | Technical Note: Ozonesonde climatology between 1995 and 2011: description, evaluation and applications. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7475-7497. | 1.9 | 101 |
| 95 | The Value of Air Quality Forecasting in the Mid-Atlantic Region. <i>Weather, Climate, and Society</i> , 2012, 4, 69-79. | 0.5 | 10 |
| 96 | Impacts of midlatitude precursor emissions and local photochemistry on ozone abundances in the Arctic. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 55 |
| 97 | Classification of Ascension Island and Natal ozonesondes using self-organizing maps. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 28 |
| 98 | One year ozonesonde measurements at Kerguelen Island (49.2°S, 70.1°E): Influence of stratosphere-troposphere exchange and long-range transport of biomass burning plumes. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 11 |
| 99 | 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, . | 3.3 | 47 |
| 100 | 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 |
| 101 | Environment Canada cuts threaten the future of science and international agreements. <i>Eos</i> , 2012, 93, 69-69. | 0.1 | 1 |
| 102 | Atmospheric chemistry over southern Africa. <i>Eos</i> , 2012, 93, 110-110. | 0.1 | 1 |
| 103 | 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 |
| 104 | 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. | 1.8 | 8 |
| 105 | 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, . | 3.3 | 29 |
| 106 | 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, . | 3.3 | 15 |
| 107 | Interannual variability and trends in tropical ozone derived from SAGE II satellite data and SHADOZ ozonesondes. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 109 |
| 108 | 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 |

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|-----|---|-----|-----------|
| 109 | 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. | 1.9 | 22 |
| 110 | Strategic ozone sounding networks: Review of design and accomplishments. <i>Atmospheric Environment</i> , 2011, 45, 2145-2163. | 1.9 | 63 |
| 111 | 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. | 0.6 | 17 |
| 112 | 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. | 1.9 | 58 |
| 113 | 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. | 1.9 | 40 |
| 114 | Observations of ozone production in a dissipating tropical convective cell during TC4. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11189-11208. | 1.9 | 12 |
| 115 | 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. | 1.9 | 419 |
| 116 | Trans-Pacific transport of reactive nitrogen and ozone to Canada during spring. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8353-8372. | 1.9 | 48 |
| 117 | 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. | 1.9 | 10 |
| 118 | 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. | 1.9 | 53 |
| 119 | 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. | 1.9 | 55 |
| 120 | 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, . | 3.3 | 11 |
| 121 | Low-resolution ozone bubbles observed in the tropical tropopause layer during the TC4 campaign in 2007. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 9 |
| 122 | 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, . | 3.3 | 30 |
| 123 | High-resolution tropospheric ozone fields for INTEX and ARCTAS from IONS ozonesondes. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 35 |
| 124 | QBO and ENSO variability in temperature and ozone from SHADOZ, 1998-2005. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 45 |
| 125 | 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, . | 3.3 | 31 |
| 126 | The variability of free tropospheric ozone over Beltsville, Maryland (39N, 77W) in the summers 2004-2007. <i>Atmospheric Environment</i> , 2009, 43, 1827-1838. | 1.9 | 31 |

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|-----|---|-----|-----------|
| 127 | 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. | 0.7 | 72 |
| 128 | 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, . | 3.3 | 45 |
| 129 | Impact of the assimilation of ozone from the Tropospheric Emission Spectrometer on surface ozone across North America. <i>Geophysical Research Letters</i> , 2009, 36, . | 1.5 | 49 |
| 130 | Validation of ozone measurements from the Atmospheric Chemistry Experiment (ACE). <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 287-343. | 1.9 | 134 |
| 131 | An Overview of Strategic Ozone Sounding Networks: Insights into Ozone Budgets, UT/LS Processes and Tropical Climate Signatures. , 2009, , 237-249. | | 0 |
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