

# D T Shindell

## 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.

313  
papers

38,400  
citations

96  
h-index

193  
g-index

341  
ext. papers

43,773  
ext. citations

9.3  
avg, IF

7  
L-index

#	Paper	IF	Citations
313	Indicate separate contributions of long-lived and short-lived greenhouse gases in emission targets.. <i>Npj Climate and Atmospheric Science</i> , <b>2022</b> , 5, 5	8	2
312	Global assessment of oil and gas methane ultra-emitters.. <i>Science</i> , <b>2022</b> , 375, 557-561	33.3	11
311	Scientific data from precipitation driver response model intercomparison project.. <i>Scientific Data</i> , <b>2022</b> , 9, 123	8.2	0
310	Premature Deaths in Africa Due To Particulate Matter Under High and Low Warming Scenarios.. <i>GeoHealth</i> , <b>2022</b> , 6, e2022GH000601	5	
309	Increased labor losses and decreased adaptation potential in a warmer world.. <i>Nature Communications</i> , <b>2021</b> , 12, 7286	17.4	5
308	Temporal and spatial distribution of health, labor, and crop benefits of climate change mitigation in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
307	Sensitivity of modeled Indian monsoon to Chinese and Indian aerosol emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3593-3605	6.8	3
306	Exploration of the Global Burden of Dementia Attributable to PM2.5: What Do We Know Based on Current Evidence?. <i>GeoHealth</i> , <b>2021</b> , 5, e2020GH000356	5	4
305	CMIP6 Historical Simulations (1850-2014) With GISS-E2.1. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2021</b> , 13, e2019MS002034	7.1	12
304	Distinct surface response to black carbon aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 13797-13809	6.809	0
303	The quest for improved air quality may push China to continue its CO reduction beyond the Paris Commitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 29535-29542	11.5	36
302	Magnitude, trends, and impacts of ambient long-term ozone exposure in the United States from 2000 to 2015. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1757-1775	6.8	13
301	Call for comments: climate and clean air responses to covid-19. <i>International Journal of Public Health</i> , <b>2020</b> , 65, 525-528	4	5
300	Influences of Solar Forcing at Ultraviolet and Longer Wavelengths on Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031640	4.4	4
299	The Effects of Heat Exposure on Human Mortality Throughout the United States. <i>GeoHealth</i> , <b>2020</b> , 4, e2019GH000234	5	15
298	Local and remote mean and extreme temperature response to regional aerosol emissions reductions. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3009-3027	6.8	8
297	Distinct responses of Asian summer monsoon to black carbon aerosols and greenhouse gases. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 11823-11839	6.8	3

296	How aerosols and greenhouse gases influence the diurnal temperature range. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13467-13480	6.8	7
295	Response of surface shortwave cloud radiative effect to greenhouse gases and aerosols and its impact on summer maximum temperature. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 8251-8266	6.8	3
294	GISS Model E2.2: A Climate Model Optimized for the Middle Atmosphere. Validation of Large-Scale Transport and Evaluation of Climate Response. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033151	4.4	7
293	Reappraisal of the Climate Impacts of Ozone-Depleting Substances. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088295	4.9	9
292	Air Quality Response in China Linked to the 2019 Novel Coronavirus (COVID-19) Lockdown. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089252	4.9	41
291	Development of the Low Emissions Analysis Platform - Integrated Benefits Calculator (LEAP-IBC) tool to assess air quality and climate co-benefits: Application for Bangladesh. <i>Environment International</i> , <b>2020</b> , 145, 106155	12.9	6
290	GISS-E2.1: Configurations and Climatology. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS0018025	4.4	16
289	Historical total ozone radiative forcing derived from CMIP6 simulations. <i>Npj Climate and Atmospheric Science</i> , <b>2020</b> , 3,	8	18
288	The effect of rapid adjustments to halocarbons and N2O on radiative forcing. <i>Npj Climate and Atmospheric Science</i> , <b>2020</b> , 3,	8	4
287	GISS Model E2.2: A Climate Model Optimized for the Middle Atmosphere. Model Structure, Climatology, Variability, and Climate Sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD032204	4.4	16
286	Observationally constrained aerosol-cloud semi-direct effects. <i>Npj Climate and Atmospheric Science</i> , <b>2019</b> , 2,	8	18
285	Climate and air-quality benefits of a realistic phase-out of fossil fuels. <i>Nature</i> , <b>2019</b> , 573, 408-411	50.4	134
284	Aligning evidence generation and use across health, development, and environment. <i>Current Opinion in Environmental Sustainability</i> , <b>2019</b> , 39, 81-93	7.2	6
283	Arctic Amplification Response to Individual Climate Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 6698-6717	4.4	21
282	Comparison of Effective Radiative Forcing Calculations Using Multiple Methods, Drivers, and Models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 4382-4394	4.4	14
281	Spatial Patterns of Crop Yield Change by Emitted Pollutant. <i>Earth's Future</i> , <b>2019</b> , 7, 101-112	7.9	7
280	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. <i>Npj Climate and Atmospheric Science</i> , <b>2019</b> , 2,	8	9
279	Air Pollution and Health - A Science-Policy Initiative. <i>Annals of Global Health</i> , <b>2019</b> , 85, 140	3.3	6

278	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , <b>2019</b> , 9, 953	4.9	89
277	Efficacy of Climate Forcings in PDRMIP Models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 12824-12844	4.4	34
276	Water vapour adjustments and responses differ between climate drivers. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12887-12899	6.8	18
275	A PDRMIP multi-model study on the impacts of regional aerosol forcings on global and regional precipitation. <i>Journal of Climate</i> , <b>2018</b> , 31, 4429-4447	4.4	49
274	Multimodel Surface Temperature Responses to Removal of U.S. Sulfur Dioxide Emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 2773-2796	4.4	13
273	Carbon dioxide physiological forcing dominates projected Eastern Amazonian drying. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 2815-2825	4.9	26
272	Implications of possible interpretations of 'greenhouse gas balance' in the Paris Agreement. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	47
271	Quantified, Localized Health Benefits of Accelerated Carbon Dioxide Emissions Reductions. <i>Nature Climate Change</i> , <b>2018</b> , 8, 291-295	21.4	81
270	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. <i>Npj Climate and Atmospheric Science</i> , <b>2018</b> , 1,	8	21
269	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8439-8452	6.8	31
268	The long-term relationship between emissions and economic growth for SO <sub>2</sub> , CO <sub>2</sub> , and BC. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 124021	6.2	9
267	Peroxy acetyl nitrate (PAN) measurements at northern midlatitude mountain sites in April: a constraint on continental source-receptor relationships. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 15345-15361	6.8	2
266	Measurement-based assessment of health burdens from long-term ozone exposure in the United States, Europe, and China. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 104018	6.2	22
265	Drivers of Precipitation Change: An Energetic Understanding. <i>Journal of Climate</i> , <b>2018</b> , 31, 9641-9657	4.4	37
264	Understanding Rapid Adjustments to Diverse Forcing Agents. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12023-12031	4.9	73
263	Quantifying the Importance of Rapid Adjustments for Global Precipitation Changes. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 11399-11405	4.9	17
262	Connecting regional aerosol emissions reductions to local and remote precipitation responses. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 12461-12475	6.8	21
261	Sensible heat has significantly affected the global hydrological cycle over the historical period. <i>Nature Communications</i> , <b>2018</b> , 9, 1922	17.4	26

260	The need for policies to reduce the costs of cleaner cooking in low income settings: Implications from systematic analysis of costs and benefits. <i>Energy Policy</i> , <b>2018</b> , 121, 275-285	7.2	17
259	Sources of Black Carbon Deposition to the Himalayan Glaciers in Current and Future Climates. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7482-7505	4.4	7
258	The social cost of methane: theory and applications. <i>Faraday Discussions</i> , <b>2017</b> , 200, 429-451	3.6	32
257	Multimodel precipitation responses to removal of U.S. sulfur dioxide emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 5024-5038	4.4	23
256	A climate policy pathway for near- and long-term benefits. <i>Science</i> , <b>2017</b> , 356, 493-494	33.3	66
255	Large Reductions in Solar Energy Production Due to Dust and Particulate Air Pollution. <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 339-344	11	94
254	Dominant control of agriculture and irrigation on urban heat island in India. <i>Scientific Reports</i> , <b>2017</b> , 7, 14054	4.9	57
253	Rapid adjustments cause weak surface temperature response to increased black carbon concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , Volume 122, 11462-11481	4.4	100
252	FUTURE GLOBAL MORTALITY FROM CHANGES IN AIR POLLUTION ATTRIBUTABLE TO CLIMATE CHANGE. <i>Nature Climate Change</i> , <b>2017</b> , 7, 647-651	21.4	114
251	Atmospheric chemistry and the biosphere: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 200, 195-228	3.6	1
250	Short-lived climate pollutant mitigation and the Sustainable Development Goals. <i>Nature Climate Change</i> , <b>2017</b> , 7, 863-869	21.4	46
249	Evaluating Modeled Impact Metrics for Human Health, Agriculture Growth, and Near-Term Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 13,506-13,524	4.4	4
248	PDRMIP: A Precipitation Driver and Response Model Intercomparison Project, Protocol and preliminary results. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 1185-1198	6.1	84
247	Global atmospheric chemistry – which air matters. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 9081-9102	6.8	22
246	Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the period 1990–2015. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 2709-2720	6.8	55
245	Multi-model impacts of climate change on pollution transport from global emission source regions. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14219-14237	6.8	9
244	Accounting for the climate-carbon feedback in emission metrics. <i>Earth System Dynamics</i> , <b>2017</b> , 8, 235-253	4.8	49
243	AerChemMIP: quantifying the effects of chemistry and aerosols in CMIP6. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 585-607	6.3	119

242	Agriculture production as a major driver of the Earth system exceeding planetary boundaries. <i>Ecology and Society</i> , <b>2017</b> , 22,	4.1	291
241	Accounting for the climate-carbon feedback in emission metrics <b>2016</b> ,		1
240	Health and climate impacts of ocean-going vessels in East Asia. <i>Nature Climate Change</i> , <b>2016</b> , 6, 1037-1041.	4.4	169
239	On the characteristics of aerosol indirect effect based on dynamic regimes in global climate models. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2765-2783	6.8	52
238	Evaluation of observed and modelled aerosol lifetimes using radioactive tracers of opportunity and an ensemble of 19 global models. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3525-3561	6.8	58
237	The effect of future ambient air pollution on human premature mortality to 2100 using output from the ACCMIP model ensemble. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9847-9862	6.8	65
236	Regional and global temperature response to anthropogenic SO <sub>2</sub> emissions from China in three climate models. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 9785-9804	6.8	40
235	Potential impact of a US climate policy and air quality regulations on future air quality and climate change. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5323-5342	6.8	14
234	Modeling the QBO-Improvements resulting from higher-model vertical resolution. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2016</b> , 8, 1092-1105	7.1	34
233	Effect of climate change on surface ozone over North America, Europe, and East Asia. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3509-3518	4.9	31
232	Climate and health impacts of US emissions reductions consistent with 2 °C. <i>Nature Climate Change</i> , <b>2016</b> , 6, 503-507	21.4	54
231	The effect of future ambient air pollution on human premature mortality to 2100 using output from the ACCMIP model ensemble <b>2016</b> ,		1
230	Coherence among the Northern Hemisphere land, cryosphere, and ocean responses to natural variability and anthropogenic forcing during the satellite era. <i>Earth System Dynamics</i> , <b>2016</b> , 7, 717-734	4.8	8
229	Seasonal cycles of O <sub>3</sub> in the marine boundary layer: Observation and model simulation comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 538-557	4.4	26
228	Fast and slow precipitation responses to individual climate forcings: A PDRMIP multimodel study. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2782-2791	4.9	118
227	Crop yield changes induced by emissions of individual climate-altering pollutants. <i>Earth's Future</i> , <b>2016</b> , 4, 373-380	7.9	13
226	Impact of aerosol radiative effects on 2000-2010 surface temperatures. <i>Climate Dynamics</i> , <b>2015</b> , 45, 2165-2179	4.2	21
225	Declining uncertainty in transient climate response as CO <sub>2</sub> forcing dominates future climate change. <i>Nature Geoscience</i> , <b>2015</b> , 8, 181-185	18.3	29

224	Evaluation of the global aerosol microphysical ModelE2-TOMAS model against satellite and ground-based observations. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 631-667	6.3	22
223	Future climate change under RCP emission scenarios with GISS ModelE2. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2015</b> , 7, 244-267	7.1	88
222	Why Does Aerosol Forcing Control Historical Global-Mean Surface Temperature Change in CMIP5 Models?. <i>Journal of Climate</i> , <b>2015</b> , 28, 6608-6625	4.4	33
221	Reduce short-lived climate pollutants for multiple benefits. <i>Lancet, The</i> , <b>2015</b> , 386, e28-31	4.0	14
220	The social cost of atmospheric release. <i>Climatic Change</i> , <b>2015</b> , 130, 313-326	4.5	86
219	Solar signals in CMIP-5 simulations: the stratospheric pathway. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2015</b> , 141, 2390-2403	6.4	58
218	Spatial patterns of radiative forcing and surface temperature response. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 5385-5403	4.4	49
217	Interannual variability of tropospheric trace gases and aerosols: The role of biomass burning emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 7157-7173	4.4	32
216	Use of North American and European air quality networks to evaluate global chemistry-climate modeling of surface ozone. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 10581-10596	6.8	35
215	Solar signals in CMIP-5 simulations: the ozone response. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2015</b> , 141, 2670-2689	6.4	39
214	How well do integrated assessment models represent non-CO2 radiative forcing?. <i>Climatic Change</i> , <b>2015</b> , 133, 565-582	4.5	15
213	Do responses to different anthropogenic forcings add linearly in climate models?. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 104010	6.2	24
212	The role of temporal evolution in modeling atmospheric emissions from tropical fires. <i>Atmospheric Environment</i> , <b>2014</b> , 89, 158-168	5.3	15
211	Inhomogeneous forcing and transient climate sensitivity. <i>Nature Climate Change</i> , <b>2014</b> , 4, 274-277	21.4	122
210	Reply to 'Questions of bias in climate models'. <i>Nature Climate Change</i> , <b>2014</b> , 4, 742-743	21.4	3
209	Impacts of intercontinental transport of anthropogenic fine particulate matter on human mortality. <i>Air Quality, Atmosphere and Health</i> , <b>2014</b> , 7, 369-379	5.6	54
208	Air pollution: clean up our skies. <i>Nature</i> , <b>2014</b> , 515, 335-7	50.4	79
207	Northern winter climate change: Assessment of uncertainty in CMIP5 projections related to stratosphere-troposphere coupling. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 7979-7998	4.4	104

206	Long-term changes in lower tropospheric baseline ozone concentrations: Comparing chemistry-climate models and observations at northern midlatitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 5719-5736	4.4	124
205	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10845-10895	6.8	280
204	Reply to comment by Laprise on "The added value to global model projections of climate change by dynamical downscaling: A case study over the continental U.S. using the GISS-ModelE2 and WRF models" <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 3882-3885	4.4	4
203	Disentangling the effects of CO <sub>2</sub> and short-lived climate forcer mitigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16325-30	11.5	96
202	Increase of ozone concentrations, its temperature sensitivity and the precursor factor in South China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2014</b> , 66, 23455	3.3	46
201	CMIP5 historical simulations (1850-2012) with GISS ModelE2. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2014</b> , 6, 441-478	7.1	111
200	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2014</b> , 6, 141-184	7.1	482
199	ModelE2-TOMAS development and evaluation using aerosol optical depths, mass and number concentrations <b>2014</b> ,		2
198	Global distribution and trends of tropospheric ozone: An observation-based review. <i>Elementa</i> , <b>2014</b> , 2,	3.6	292
197	Influences of Regional Climate Change on Air Quality Across the Continental U.S. Projected from Downscaling IPCC AR5 Simulations. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , <b>2014</b> , 9-12	0.3	1
196	On the lack of stratospheric dynamical variability in low-top versions of the CMIP5 models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 2494-2505	4.4	225
195	Toward the next generation of air quality monitoring indicators. <i>Atmospheric Environment</i> , <b>2013</b> , 80, 561-570	5.3	29
194	Three decades of global methane sources and sinks. <i>Nature Geoscience</i> , <b>2013</b> , 6, 813-823	18.3	1293
193	Global premature mortality due to anthropogenic outdoor air pollution and the contribution of past climate change. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 034005	6.2	279
192	Impacts of climate change on surface ozone and intercontinental ozone pollution: A multi-model study. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 3744-3763	4.4	118
191	El Niño and health risks from landscape fire emissions in Southeast Asia. <i>Nature Climate Change</i> , <b>2013</b> , 3, 131-136	21.4	204
190	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5380-5552	4.4	3330
189	Energy budget constraints on climate response. <i>Nature Geoscience</i> , <b>2013</b> , 6, 415-416	18.3	228



188	Attribution of historical ozone forcing to anthropogenic emissions. <i>Nature Climate Change</i> , <b>2013</b> , 3, 567-570		33
187	Direct top-down estimates of biomass burning CO emissions using TES and MOPITT versus bottom-up GFED inventory. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 8054-8066	4.4	27
186	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. <i>Geoscientific Model Development</i> , <b>2013</b> , 6, 179-206	6.3	304
185	Preindustrial to present-day changes in tropospheric hydroxyl radical and methane lifetime from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 5277-5298	6.8	234
184	Linkages between ozone-depleting substances, tropospheric oxidation and aerosols. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 4907-4916	6.8	5
183	A 4-D climatology (1979-2009) of the monthly tropospheric aerosol optical depth distribution over the Mediterranean region from a comparative evaluation and blending of remote sensing and model products. <i>Atmospheric Measurement Techniques</i> , <b>2013</b> , 6, 1287-1314	4	109
182	Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2063-2090	6.8	420
181	Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2607-2634	6.8	111
180	Corrigendum to "Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP)" published in <i>Atmos. Chem. Phys.</i> , 13, 2607-2634, 2013. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 6553-6554	6.8	3
179	Multi-model mean nitrogen and sulfur deposition from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): evaluation of historical and projected future changes. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 7997-8018	6.8	213
178	Tropospheric ozone changes, radiative forcing and attribution to emissions in the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 3063-3085	6.8	273
177	Global and regional temperature-change potentials for near-term climate forcers. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2471-2485	6.8	93
176	Analysis of present day and future OH and methane lifetime in the ACCMIP simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2563-2587	6.8	209
175	Interactive ozone and methane chemistry in GISS-E2 historical and future climate simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2653-2689	6.8	119
174	Radiative forcing in the ACCMIP historical and future climate simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2939-2974	6.8	324
173	Evaluation of ACCMIP outgoing longwave radiation from tropospheric ozone using TES satellite observations. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 4057-4072	6.8	46
172	Radiative forcing due to major aerosol emitting sectors in China and India. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4409-4414	4.9	22
171	A multimodel assessment of the influence of regional anthropogenic emission reductions on aerosol direct radiative forcing and the role of intercontinental transport. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 700-720	4.4	41

170	Long-term ozone changes and associated climate impacts in CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5029-5060	4.4	200
169	On the origin of multidecadal to centennial Greenland temperature anomalies over the past 800 yr. <i>Climate of the Past</i> , <b>2013</b> , 9, 583-596	3.9	29
168	The role of forcing and internal dynamics in explaining the Medieval Climate Anomaly. <i>Climate Dynamics</i> , <b>2012</b> , 39, 2847-2866	4.2	80
167	Spatially refined aerosol direct radiative forcing efficiencies. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9511-8	10.3	45
166	The influence of ozone precursor emissions from four world regions on tropospheric composition and radiative climate forcing. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		84
165	Sensitivity of stratospheric geoengineering with black carbon to aerosol size and altitude of injection. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		25
164	Correction to Solar influences on climate. <i>Reviews of Geophysics</i> , <b>2012</b> , 50,	23.1	5
163	The added value to global model projections of climate change by dynamical downscaling: A case study over the continental U.S. using the GISS-ModelE2 and WRF models. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		74
162	Simultaneously mitigating near-term climate change and improving human health and food security. <i>Science</i> , <b>2012</b> , 335, 183-9	33.3	875
161	Global air quality and climate. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 6663-83	58.5	334
160	Global air quality and health co-benefits of mitigating near-term climate change through methane and black carbon emission controls. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 831-9	8.4	269
159	Climate forcing reconstructions for use in PMIP simulations of the Last Millennium (v1.1). <i>Geoscientific Model Development</i> , <b>2012</b> , 5, 185-191	6.3	202
158	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics <b>2012</b> ,		6
157	The distribution of snow black carbon observed in the Arctic and compared to the GISS-PUCCINI model. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 7995-8007	6.8	24
156	Modelling future changes in surface ozone: a parameterized approach. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 2037-2054	6.8	118
155	Precipitation response to regional radiative forcing. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 6969-6982	6.8	55
154	Evaluation of the absolute regional temperature potential. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 7955-7960	6.8	31
153	Understanding the drivers for the 20th century change of hydrogen peroxide in Antarctic ice-cores. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	21

152	The vertical distribution of ozone instantaneous radiative forcing from satellite and chemistry climate models. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		30
151	Climate forcing reconstructions for use in PMIP simulations of the last millennium (v1.0). <i>Geoscientific Model Development</i> , <b>2011</b> , 4, 33-45	6.3	297
150	Ozone database in support of CMIP5 simulations: results and corresponding radiative forcing. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 11267-11292	6.8	221
149	The impact of orbital sampling, monthly averaging and vertical resolution on climate chemistry model evaluation with satellite observations. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 6493-6514	6.8	24
148	Global multi-year O <sub>3</sub> -CO correlation patterns from models and TES satellite observations. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 5819-5838	6.8	45
147	The Changing Face of Arctic Snow Cover: A Synthesis of Observed and Projected Changes. <i>Ambio</i> , <b>2011</b> , 40, 17-31	6.5	201
146	Climate, health, agricultural and economic impacts of tighter vehicle-emission standards. <i>Nature Climate Change</i> , <b>2011</b> , 1, 59-66	21.4	119
145	Climate forcing reconstructions for use in PMIP simulations of the Last Millennium (v1.1) <b>2011</b> ,		4
144	Coupled Aerosol-Chemistry Climate Twentieth-Century Transient Model Investigation: Trends in Short-Lived Species and Climate Responses. <i>Journal of Climate</i> , <b>2011</b> , 24, 2693-2714	4.4	82
143	Attribution of climate forcing to economic sectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 3382-7	11.5	186
142	Climate forcing reconstructions for use in PMIP simulations of the last millennium (v1.0) <b>2010</b> ,		3
141	Driving forces of global wildfires over the past millennium and the forthcoming century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19167-70	11.5	448
140	Constraining the Sensitivity of Regional Climate with the Use of Historical Observations. <i>Journal of Climate</i> , <b>2010</b> , 23, 6068-6073	4.4	7
139	SOLAR INFLUENCES ON CLIMATE. <i>Reviews of Geophysics</i> , <b>2010</b> , 48,	23.1	827
138	Spatial scales of climate response to inhomogeneous radiative forcing. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		75
137	Historical (1850-2000) gridded anthropogenic and biomass burning emissions of reactive gases and aerosols: methodology and application. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 7017-7039	6.8	1724
136	The net climate impact of coal-fired power plant emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 3247-3260	6.8	55
135	Improved attribution of climate forcing to emissions. <i>Science</i> , <b>2009</b> , 326, 716-8	33.3	599

134	The Influence of Solar Forcing on Tropical Circulation. <i>Journal of Climate</i> , <b>2009</b> , 22, 5870-5885	4.4	16
133	Climate forcing by the on-road transportation and power generation sectors. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 3077-3085	5.3	37
132	Atmospheric composition change: Climate-Chemistry interactions. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 5138-5192	5.3	206
131	Warming of the Antarctic ice-sheet surface since the 1957 International Geophysical Year. <i>Nature</i> , <b>2009</b> , 457, 459-62	50.4	506
130	Protecting the environment can boost the economy. <i>Nature</i> , <b>2009</b> , 459, 321	50.4	0
129	Climate response to regional radiative forcing during the twentieth century. <i>Nature Geoscience</i> , <b>2009</b> , 2, 294-300	18.3	480
128	Global signatures and dynamical origins of the Little Ice Age and Medieval Climate Anomaly. <i>Science</i> , <b>2009</b> , 326, 1256-60	33.3	1521
127	Intercontinental impacts of ozone pollution on human mortality. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6482-7	10.3	109
126	Fire parameterization on a global scale. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		75
125	Interpreting $^{10}\text{Be}$ changes during the Maunder Minimum. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		9
124	Multimodel estimates of intercontinental source-receptor relationships for ozone pollution. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		378
123	Did the Toba volcanic eruption of ~74 ka B.P. produce widespread glaciation?. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		112
122	Impacts of aerosol-cloud interactions on past and future changes in tropospheric composition. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 4115-4129	6.8	24
121	Inverse modeling and mapping US air quality influences of inorganic $\text{PM}_{2.5}$ precursor emissions using the adjoint of GEOS-Chem. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5877-5903	6.8	193
120	The influence of foreign vs. North American emissions on surface ozone in the US. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5027-5042	6.8	120
119	Air pollution radiative forcing from specific emissions sectors at 2030. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		41
118	Multimodel projections of climate change from short-lived emissions due to human activities. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		65
117	Stratospheric winter climate response to ENSO in three chemistry-climate models. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	19

116	A multi-model study of the hemispheric transport and deposition of oxidised nitrogen. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	69
115	Aerosol climate effects and air quality impacts from 1980 to 2030. <i>Environmental Research Letters</i> , <b>2008</b> , 3, 024004	6.2	54
114	Short-lived pollutants in the Arctic: their climate impact and possible mitigation strategies. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 1723-1735	6.8	292
113	A multi-model assessment of pollution transport to the Arctic. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 5353-5372	6.8	365
112	Climate forcing and air quality change due to regional emissions reductions by economic sector. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 7101-7113	6.8	45
111	The northern annular mode in summer and its relation to solar activity variations in the GISS ModelE. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2008</b> , 70, 730-741	2	6
110	A global climate model study of CH <sub>4</sub> emissions during the Holocene and glacial-interglacial transitions constrained by ice core data. <i>Global Biogeochemical Cycles</i> , <b>2007</b> , 21,	5.9	18
109	Local and remote contributions to Arctic warming. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	63
108	Climate response to projected changes in short-lived species under an A1B scenario from 2000-2050 in the GISS climate model. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		37
107	Climate simulations for 1880-2003 with GISS modelE. <i>Climate Dynamics</i> , <b>2007</b> , 29, 661-696	4.2	209
106	Estimating the potential for twenty-first century sudden climate change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2007</b> , 365, 2675-94	3	14
105	Nitrate aerosols today and in 2030: a global simulation including aerosols and tropospheric ozone. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 5043-5059	6.8	202
104	Dangerous human-made interference with climate: a GISS modelE study. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 2287-2312	6.8	173
103	Consistent simulations of multiple proxy responses to an abrupt climate change event. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 837-42	11.5	154
102	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. <i>Journal of Climate</i> , <b>2006</b> , 19, 153-192	4.4	744
101	Cross influences of ozone and sulfate precursor emissions changes on air quality and climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 4377-80	11.5	76
100	Nitrogen and sulfur deposition on regional and global scales: A multimodel evaluation. <i>Global Biogeochemical Cycles</i> , <b>2006</b> , 20, n/a-n/a	5.9	731
99	Forced annular variations in the 20th century Intergovernmental Panel on Climate Change Fourth Assessment Report models. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		288

98	Multimodel ensemble simulations of present-day and near-future tropospheric ozone. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		625
97	Role of tropospheric ozone increases in 20th-century climate change. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		81
96	Influences of man-made emissions and climate changes on tropospheric ozone, methane, and sulfate at 2030 from a broad range of possible futures. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		68
95	Modeling the distribution of the volcanic aerosol cloud from the 1783–1784 Laki eruption. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		97
94	Multimodel simulations of carbon monoxide: Comparison with observations and projected near-future changes. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		220
93	The global atmospheric environment for the next generation. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 3586-94	10.3	298
92	Simulations of preindustrial, present-day, and 2100 conditions in the NASA GISS composition and climate model G-PUCCINI. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 4427-4459	6.8	127
91	Solar and anthropogenic forcing of tropical hydrology. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	78
90	Simulations of anthropogenic change in the strength of the Brewer-Dobson circulation. <i>Climate Dynamics</i> , <b>2006</b> , 27, 727-741	4.2	322
89	An emissions-based view of climate forcing by methane and tropospheric ozone. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	105
88	Impacts of chemistry-aerosol coupling on tropospheric ozone and sulfate simulations in a general circulation model. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110, n/a-n/a		46
87	Efficacy of climate forcings. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		947
86	Modeling atmospheric stable water isotopes and the potential for constraining cloud processes and stratosphere-troposphere water exchange. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		153
85	Assessing future nitrogen deposition and carbon cycle feedback using a multimodel approach: Analysis of nitrogen deposition. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		221
84	Inferring carbon monoxide pollution changes from space-based observations. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		14
83	The impact of horizontal transport on the chemical composition in the tropopause region: lightning NO <sub>x</sub> and streamers. <i>Advances in Space Research</i> , <b>2004</b> , 33, 1058-1061	2.4	10
82	Dynamic winter climate response to large tropical volcanic eruptions since 1600. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		183
81	Southern Hemisphere climate response to ozone changes and greenhouse gas increases. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	235

80	Impacts of climate change on methane emissions from wetlands. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	118
79	A note on the relationship between ice core methane concentrations and insolation. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	21
78	General circulation modelling of Holocene climate variability. <i>Quaternary Science Reviews</i> , <b>2004</b> , 23, 2167-2181	4.0	40
77	The Relative Importance of Solar and Anthropogenic Forcing of Climate Change between the Maunder Minimum and the Present. <i>Journal of Climate</i> , <b>2004</b> , 17, 906-929	4.4	80
76	Uncertainties and assessments of chemistry-climate models of the stratosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2003</b> , 3, 1-27	6.8	239
75	Sensitivity studies of oxidative changes in the troposphere in 2100 using the GISS GCM. <i>Atmospheric Chemistry and Physics</i> , <b>2003</b> , 3, 1267-1283	6.8	17
74	Preindustrial-to-present-day radiative forcing by tropospheric ozone from improved simulations with the GISS chemistry-climate GCM. <i>Atmospheric Chemistry and Physics</i> , <b>2003</b> , 3, 1675-1702	6.8	91
73	GRIPS Solar Experiments Intercomparison Project: Initial Results. <i>Papers in Meteorology and Geophysics</i> , <b>2003</b> , 54, 71-90	0	34
72	A comparison of model-simulated trends in stratospheric temperatures. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2003</b> , 129, 1565-1588	6.4	162
71	Atmospheric composition, radiative forcing, and climate change as a consequence of a massive methane release from gas hydrates. <i>Paleoceanography</i> , <b>2003</b> , 18, n/a-n/a		63
70	Volcanic and Solar Forcing of Climate Change during the Preindustrial Era. <i>Journal of Climate</i> , <b>2003</b> , 16, 4094-4107	4.4	202
69	Climate change. Whither Arctic climate?. <i>Science</i> , <b>2003</b> , 299, 215-6	33.3	25
68	Impact of Future Climate and Emission Changes on Stratospheric Aerosols and Ozone. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 414-440	2.1	120
67	An exploration of ozone changes and their radiative forcing prior to the chlorofluorocarbon era. <i>Atmospheric Chemistry and Physics</i> , <b>2002</b> , 2, 363-374	6.8	15
66	Separating the influence of halogen and climate changes on ozone recovery in the upper stratosphere. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 3-1		18
65	How linear is the Arctic Oscillation response to greenhouse gases?. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 1-1		72
64	Climate forcings in Goddard Institute for Space Studies SI2000 simulations. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 2-1		270
63	Dynamic-chemical coupling of the upper troposphere and lower stratosphere region. <i>Chemosphere</i> , <b>2002</b> , 47, 851-61	8.4	5

62	2 * CO2 and Solar Variability Influences on the Troposphere Through Wave-Mean Flow Interactions.. <i>Journal of the Meteorological Society of Japan</i> , <b>2002</b> , 80, 863-876	2.8	22
61	Origin and variability of upper tropospheric nitrogen oxides and ozone at northern mid-latitudes. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 3421-3433	5.3	124
60	Solar forcing of regional climate change during the Maunder Minimum. <i>Science</i> , <b>2001</b> , 294, 2149-52	33.3	609
59	Climate and ozone response to increased stratospheric water vapor. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 1551-1554	4.9	118
58	Chemistry-climate interactions in the Goddard Institute for Space Studies general circulation model: 2. New insights into modeling the preindustrial atmosphere. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 33435-33451		28
57	Northern hemisphere winter climate response to greenhouse gas, ozone, solar, and volcanic forcing. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 7193-7210		234
56	Chemistry-climate interactions in the Goddard Institute for Space Studies general circulation model: 1. Tropospheric chemistry model description and evaluation. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 8047-8075		56
55	Radiative cooling by stratospheric water vapor: Big differences in GCM results. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 2791-2794	4.9	43
54	The impact of greenhouse gases and halogenated species on future solar UV radiation doses. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 1127-1130	4.9	100
53	Simulation of recent northern winter climate trends by greenhouse-gas forcing. <i>Nature</i> , <b>1999</b> , 399, 452-454	5.4	463
52	Solar cycle variability, ozone, and climate. <i>Science</i> , <b>1999</b> , 284, 305-8	33.3	466
51	Effects of solar cycle variability on the lower stratosphere and the troposphere. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 27321-27339		66
50	Interannual Variability of the Antarctic Ozone Hole in a GCM. Part II: A Comparison of Unforced and QBO-Induced Variability. <i>Journals of the Atmospheric Sciences</i> , <b>1999</b> , 56, 1873-1884	2.1	7
49	Increased polar stratospheric ozone losses and delayed eventual recovery owing to increasing greenhouse-gas concentrations. <i>Nature</i> , <b>1998</b> , 392, 589-592	50.4	455
48	Climate Change and the Middle Atmosphere. Part III: The Doubled CO2Climate Revisited. <i>Journal of Climate</i> , <b>1998</b> , 11, 876-894	4.4	106
47	Climate Change and the Middle Atmosphere. Part IV: Ozone Response to Doubled CO2. <i>Journal of Climate</i> , <b>1998</b> , 11, 895-918	4.4	48
46	Interannual Variability of the Antarctic Ozone Hole in a GCM. Part I: The Influence of Tropospheric Wave Variability. <i>Journals of the Atmospheric Sciences</i> , <b>1997</b> , 54, 2308-2319	2.1	32
45	Limits on heterogeneous processing in the Antarctic spring vortex from a comparison of measured and modeled chlorine. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 1441-1449		10



44	The Potential Influence of ClO <sub>2</sub> on Stratospheric Ozone Depletion Chemistry. <i>Journal of Atmospheric Chemistry</i> , <b>1997</b> , 26, 323-335	3.2	6
43	Validation of UARS Microwave Limb Sounder ClO measurements. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 10091-10127		49
42	Chlorine monoxide in the Antarctic spring vortex: 2. A comparison of measured and modeled diurnal cycling over McMurdo Station, 1993. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 1475-1487		19
41	Stratospheric ClO profiles from McMurdo Station, Antarctica, spring 1992. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 3049		13
40	The chlorine budget of the lower polar stratosphere: Upper limits on ClO, and Implications of new Cl <sub>2</sub> O <sub>2</sub> photolysis cross sections. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 3215-3218	4.9	7
39	Chlorine monoxide in the Antarctic spring vortex: 1. Evolution of midday vertical profiles over McMurdo Station, 1993. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 13999		20
38	N <sub>2</sub> O as an indicator of Arctic vortex dynamics: Correlations with O <sub>3</sub> over Thule, Greenland in February and March, 1992. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 1275-1278	4.9	9
37	An overview of millimeter-wave spectroscopic measurements of chlorine monoxide at Thule, Greenland, February-March, 1992: Vertical profiles, diurnal variation, and longer-term trends. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 1271-1274	4.9	14
36	Arctic chlorine monoxide observations during spring 1993 over Thule, Greenland, and implications for ozone depletion. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 25697		12
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