

# D T Shindell

## List of Publications by Citations

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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	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
312	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
311	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
310	Three decades of global methane sources and sinks. <i>Nature Geoscience</i> , <b>2013</b> , 6, 813-823	18.3	1293
309	Efficacy of climate forcings. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		947
308	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
307	SOLAR INFLUENCES ON CLIMATE. <i>Reviews of Geophysics</i> , <b>2010</b> , 48,	23.1	827
306	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
305	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
304	Multimodel ensemble simulations of present-day and near-future tropospheric ozone. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		625
303	Solar forcing of regional climate change during the Maunder Minimum. <i>Science</i> , <b>2001</b> , 294, 2149-52	33.3	609
302	Improved attribution of climate forcing to emissions. <i>Science</i> , <b>2009</b> , 326, 716-8	33.3	599
301	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
300	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
299	Climate response to regional radiative forcing during the twentieth century. <i>Nature Geoscience</i> , <b>2009</b> , 2, 294-300	18.3	480
298	Anthropogenic and Natural Radiative Forcing 659-740		472
297	Solar cycle variability, ozone, and climate. <i>Science</i> , <b>1999</b> , 284, 305-8	33.3	466

296	Simulation of recent northern winter climate trends by greenhouse-gas forcing. <i>Nature</i> , <b>1999</b> , 399, 452-454	55.4	463
295	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
294	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
293	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
292	Multimodel estimates of intercontinental source-receptor relationships for ozone pollution. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		378
291	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
290	Global air quality and climate. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 6663-83	58.5	334
289	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
288	Simulations of anthropogenic change in the strength of the BrewerDobson circulation. <i>Climate Dynamics</i> , <b>2006</b> , 27, 727-741	4.2	322
287	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
286	The global atmospheric environment for the next generation. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 3586-94	10.3	298
285	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
284	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
283	Global distribution and trends of tropospheric ozone: An observation-based review. <i>Elementa</i> , <b>2014</b> , 2,	3.6	292
282	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
281	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
280	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
279	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

278	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
277	Climate forcings in Goddard Institute for Space Studies SI2000 simulations. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 2-1		270
276	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
275	Evaluation of Climate Models		264
274	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
273	Southern Hemisphere climate response to ozone changes and greenhouse gas increases. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	235
272	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
271	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
270	Energy budget constraints on climate response. <i>Nature Geoscience</i> , <b>2013</b> , 6, 415-416	18.3	228
269	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
268	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
267	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
266	Multimodel simulations of carbon monoxide: Comparison with observations and projected near-future changes. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		220
265	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
264	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
263	Climate simulations for 1880-2003 with GISS modelE. <i>Climate Dynamics</i> , <b>2007</b> , 29, 661-696	4.2	209
262	Atmospheric composition change: Climate-chemistry interactions. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 5138-5192	5.3	206
261	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

260	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
259	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
258	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
257	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
256	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
255	Inverse modeling and mapping US air quality influences of inorganic PM <sub>2.5</sub> precursor emissions using the adjoint of GEOS-Chem. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5877-5903	6.8	193
254	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
253	Dynamic winter climate response to large tropical volcanic eruptions since 1600. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		183
252	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
251	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
250	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
249	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
248	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
247	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
246	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
245	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
244	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
243	Inhomogeneous forcing and transient climate sensitivity. <i>Nature Climate Change</i> , <b>2014</b> , 4, 274-277	21.4	122

242	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
241	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
240	AerChemMIP: quantifying the effects of chemistry and aerosols in CMIP6. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 585-607	6.3	119
239	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
238	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
237	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
236	Modelling future changes in surface ozone: a parameterized approach. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 2037-2054	6.8	118
235	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
234	Climate and ozone response to increased stratospheric water vapor. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 1551-1554	4.9	118
233	Fast and slow precipitation responses to individual climate forcers: A PDRMIP multimodel study. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2782-2791	4.9	118
232	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
231	Did the Toba volcanic eruption of ~74 ka B.P. produce widespread glaciation?. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		112
230	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
229	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
228	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
227	Intercontinental impacts of ozone pollution on human mortality. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6482-7	10.3	109
226	Climate Change and the Middle Atmosphere. Part III: The Doubled CO <sub>2</sub> Climate Revisited. <i>Journal of Climate</i> , <b>1998</b> , 11, 876-894	4.4	106
225	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

224	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
223	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
222	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
221	GISS-E2.1: Configurations and Climatology. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS002025	7.1	98
220	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
219	Disentangling the effects of CO2 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
218	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
217	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
216	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
215	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , <b>2019</b> , 9, 953	4.9	89
214	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
213	The social cost of atmospheric release. <i>Climatic Change</i> , <b>2015</b> , 130, 313-326	4.5	86
212	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
211	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
210	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
209	Quantified, Localized Health Benefits of Accelerated Carbon Dioxide Emissions Reductions. <i>Nature Climate Change</i> , <b>2018</b> , 8, 291-295	21.4	81
208	Role of tropospheric ozone increases in 20th-century climate change. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		81
207	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

206	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
205	Air pollution: clean up our skies. <i>Nature</i> , <b>2014</b> , 515, 335-7	50.4	79
204	Solar and anthropogenic forcing of tropical hydrology. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	78
203	Detection and Attribution of Climate Change: from Global to Regional 867-952		77
202	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
201	Spatial scales of climate response to inhomogeneous radiative forcing. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		75
200	Fire parameterization on a global scale. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		75
199	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
198	Understanding Rapid Adjustments to Diverse Forcing Agents. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12023-12031	4.9	73
197	How linear is the Arctic Oscillation response to greenhouse gases?. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 1-1		72
196	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
195	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
194	A climate policy pathway for near- and long-term benefits. <i>Science</i> , <b>2017</b> , 356, 493-494	33.3	66
193	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
192	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
191	Multimodel projections of climate change from short-lived emissions due to human activities. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		65
190	Local and remote contributions to Arctic warming. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	63
189	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



188	Information from Paleoclimate Archives383-464		60
187	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
186	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
185	Dominant control of agriculture and irrigation on urban heat island in India. <i>Scientific Reports</i> , <b>2017</b> , 7, 14054	4.9	57
184	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
183	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
182	Precipitation response to regional radiative forcing. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 6969-6982	6.8	55
181	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
180	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
179	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
178	Aerosol climate effects and air quality impacts from 1980 to 2030. <i>Environmental Research Letters</i> , <b>2008</b> , 3, 024004	6.2	54
177	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
176	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
175	Accounting for the climate-carbon feedback in emission metrics. <i>Earth System Dynamics</i> , <b>2017</b> , 8, 235-253	4.8	49
174	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
173	Validation of UARS Microwave Limb Sounder ClO measurements. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 10091-10127		49
172	Climate Change and the Middle Atmosphere. Part IV: Ozone Response to Doubled CO <sub>2</sub> . <i>Journal of Climate</i> , <b>1998</b> , 11, 895-918	4.4	48
171	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

170	Short-lived climate pollutant mitigation and the Sustainable Development Goals. <i>Nature Climate Change</i> , <b>2017</b> , 7, 863-869	21.4	46
169	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
168	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
167	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
166	Spatially refined aerosol direct radiative forcing efficiencies. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9511-8	10.3	45
165	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
164	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
163	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
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13	Short-lived pollutants in the Arctic: their climate impact and possible mitigation strategies		1
12	Nitrate aerosols today and in 2030: importance relative to other aerosol species and tropospheric ozone		1
11	Impacts of aerosol indirect effect on past and future changes in tropospheric composition		1
10	The influence of foreign vs. North American emissions on surface ozone in the US		1
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