

D T Shindell

List of Publications by Year in descending order

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286
papers

48,614
citations

1980

101
h-index

2171

202
g-index

341
all docs

341
docs citations

341
times ranked

33484
citing authors

#	ARTICLE	IF	CITATIONS
1	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5380-5552.	1.2	4,319
2	Historical (1850–2000) gridded anthropogenic and biomass burning emissions of reactive gases and aerosols: methodology and application. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7017-7039.	1.9	2,020
3	Global Signatures and Dynamical Origins of the Little Ice Age and Medieval Climate Anomaly. <i>Science</i> , 2009, 326, 1256-1260.	6.0	1,894
4	Three decades of global methane sources and sinks. <i>Nature Geoscience</i> , 2013, 6, 813-823.	5.4	1,649
5	Simultaneously Mitigating Near-Term Climate Change and Improving Human Health and Food Security. <i>Science</i> , 2012, 335, 183-189.	6.0	1,107
6	Efficacy of climate forcings. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	1,104
7	SOLAR INFLUENCES ON CLIMATE. <i>Reviews of Geophysics</i> , 2010, 48, .	9.0	1,014
8	Nitrogen and sulfur deposition on regional and global scales: A multimodel evaluation. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	846
9	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. <i>Journal of Climate</i> , 2006, 19, 153-192.	1.2	832
10	Anthropogenic and Natural Radiative Forcing. , 2014, , 659-740.		786
11	Multimodel ensemble simulations of present-day and near-future tropospheric ozone. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	743
12	Improved Attribution of Climate Forcing to Emissions. <i>Science</i> , 2009, 326, 716-718.	6.0	739
13	Solar Forcing of Regional Climate Change During the Maunder Minimum. <i>Science</i> , 2001, 294, 2149-2152.	6.0	688
14	Warming of the Antarctic ice-sheet surface since the 1957 International Geophysical Year. <i>Nature</i> , 2009, 457, 459-462.	13.7	620
15	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 141-184.	1.3	597
16	Climate response to regional radiative forcing during the twentieth century. <i>Nature Geoscience</i> , 2009, 2, 294-300.	5.4	584
17	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> , 2010, 107, 19167-19170.	3.3	579
18	Agriculture production as a major driver of the Earth system exceeding planetary boundaries. <i>Ecology and Society</i> , 2017, 22, .	1.0	576

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19	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> , 2013, 13, 2063-2090.	1.9	570
20	Solar Cycle Variability, Ozone, and Climate. <i>Science</i> , 1999, 284, 305-308.	6.0	524
21	Increased polar stratospheric ozone losses and delayed eventual recovery owing to increasing greenhouse-gas concentrations. <i>Nature</i> , 1998, 392, 589-592.	13.7	509
22	Simulation of recent northern winter climate trends by greenhouse-gas forcing. <i>Nature</i> , 1999, 399, 452-455.	13.7	489
23	Evaluation of Climate Models. , 2014, , 741-866.		458
24	Multimodel estimates of intercontinental source–receptor relationships for ozone pollution. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	430
25	Global air quality and climate. <i>Chemical Society Reviews</i> , 2012, 41, 6663.	18.7	428
26	A multi-model assessment of pollution transport to the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5353-5372.	1.9	419
27	Radiative forcing in the ACCMIP historical and future climate simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2939-2974.	1.9	395
28	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. <i>Geoscientific Model Development</i> , 2013, 6, 179-206.	1.3	388
29	Global premature mortality due to anthropogenic outdoor air pollution and the contribution of past climate change. <i>Environmental Research Letters</i> , 2013, 8, 034005.	2.2	381
30	Simulations of anthropogenic change in the strength of the Brewer–Dobson circulation. <i>Climate Dynamics</i> , 2006, 27, 727-741.	1.7	371
31	Global distribution and trends of tropospheric ozone: An observation-based review. <i>Elementa</i> , 2014, 2, .	1.1	365
32	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10845-10895.	1.9	363
33	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> , 2013, 13, 3063-3085.	1.9	361
34	Climate forcing reconstructions for use in PMIP simulations of the last millennium (v1.0). <i>Geoscientific Model Development</i> , 2011, 4, 33-45.	1.3	349
35	Short-lived pollutants in the Arctic: their climate impact and possible mitigation strategies. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1723-1735.	1.9	346
36	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> , 2012, 120, 831-839.	2.8	340

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37	Climate and air-quality benefits of a realistic phase-out of fossil fuels. <i>Nature</i> , 2019, 573, 408-411.	13.7	340
38	The Global Atmospheric Environment for the Next Generation. <i>Environmental Science & Technology</i> , 2006, 40, 3586-3594.	4.6	338
39	Forced annular variations in the 20th century Intergovernmental Panel on Climate Change Fourth Assessment Report models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	311
40	Climate forcings in Goddard Institute for Space Studies SI2000 simulations. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 2-1.	3.3	302
41	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> , 2013, 13, 5277-5298.	1.9	288
42	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> , 2013, 13, 7997-8018.	1.9	279
43	Southern Hemisphere climate response to ozone changes and greenhouse gas increases. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	277
44	Uncertainties and assessments of chemistry-climate models of the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1-27.	1.9	272
45	Health and climate impacts of ocean-going vessels in East Asia. <i>Nature Climate Change</i> , 2016, 6, 1037-1041.	8.1	272
46	Energy budget constraints on climate response. <i>Nature Geoscience</i> , 2013, 6, 415-416.	5.4	270
47	On the lack of stratospheric dynamical variability in low- σ_{top} versions of the CMIP5 models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2494-2505.	1.2	268
48	Assessing future nitrogen deposition and carbon cycle feedback using a multimodel approach: Analysis of nitrogen deposition. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	266
49	The Changing Face of Arctic Snow Cover: A Synthesis of Observed and Projected Changes. <i>Ambio</i> , 2011, 40, 17-31.	2.8	264
50	Northern hemisphere winter climate response to greenhouse gas, ozone, solar, and volcanic forcing. <i>Journal of Geophysical Research</i> , 2001, 106, 7193-7210.	3.3	260
51	Analysis of present day and future OH and methane lifetime in the ACCMIP simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2563-2587.	1.9	257
52	Multimodel simulations of carbon monoxide: Comparison with observations and projected near-future changes. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	254
53	El Niño and health risks from landscape fire emissions in southeast Asia. <i>Nature Climate Change</i> , 2013, 3, 131-136.	8.1	250
54	Ozone database in support of CMIP5 simulations: results and corresponding radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11267-11292.	1.9	244

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55	Atmospheric composition change: Climate–Chemistry interactions. <i>Atmospheric Environment</i> , 2009, 43, 5138-5192.	1.9	243
56	Long-term ozone changes and associated climate impacts in CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5029-5060.	1.2	243
57	Nitrate aerosols today and in 2030: a global simulation including aerosols and tropospheric ozone. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5043-5059.	1.9	238
58	Climate forcing reconstructions for use in PMIP simulations of the Last Millennium (v1.1). <i>Geoscientific Model Development</i> , 2012, 5, 185-191.	1.3	238
59	GISS–E2.1: Configurations and Climatology. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002025.	1.3	234
60	Volcanic and Solar Forcing of Climate Change during the Preindustrial Era. <i>Journal of Climate</i> , 2003, 16, 4094-4107.	1.2	230
61	Climate simulations for 1880–2003 with GISS modelE. <i>Climate Dynamics</i> , 2007, 29, 661-696.	1.7	227
62	Inverse modeling and mapping US air quality influences of inorganic PM _{2.5} ; precursor emissions using the adjoint of GEOS-Chem. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5877-5903.	1.9	226
63	Reconciling warming trends. <i>Nature Geoscience</i> , 2014, 7, 158-160.	5.4	224
64	Attribution of climate forcing to economic sectors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3382-3387.	3.3	223
65	Dangerous human-made interference with climate: a GISS modelE study. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2287-2312.	1.9	211
66	Dynamic winter climate response to large tropical volcanic eruptions since 1600. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	209
67	AerChemMIP: quantifying the effects of chemistry and aerosols in CMIP6. <i>Geoscientific Model Development</i> , 2017, 10, 585-607.	1.3	202
68	A comparison of model-simulated trends in stratospheric temperatures. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2003, 129, 1565-1588.	1.0	189
69	Modeling atmospheric stable water isotopes and the potential for constraining cloud processes and stratosphere-troposphere water exchange. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	182
70	Fast and slow precipitation responses to individual climate forcings: A PDRMIP multimodel study. <i>Geophysical Research Letters</i> , 2016, 43, 2782-2791.	1.5	179
71	Future global mortality from changes in air pollution attributable to climate change. <i>Nature Climate Change</i> , 2017, 7, 647-651.	8.1	177
72	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> , 2006, 103, 837-842.	3.3	168

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73	Global and regional trends of atmospheric sulfur. <i>Scientific Reports</i> , 2019, 9, 953.	1.6	166
74	Large Reductions in Solar Energy Production Due to Dust and Particulate Air Pollution. <i>Environmental Science and Technology Letters</i> , 2017, 4, 339-344.	3.9	159
75	Modelling future changes in surface ozone: a parameterized approach. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2037-2054.	1.9	155
76	Climate, health, agricultural and economic impacts of tighter vehicle-emission standards. <i>Nature Climate Change</i> , 2011, 1, 59-66.	8.1	153
77	Interactive ozone and methane chemistry in GISS-E2 historical and future climate simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2653-2689.	1.9	150
78	Simulations of preindustrial, present-day, and 2100 conditions in the NASA GISS composition and climate model G-PUCCINI. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 4427-4459.	1.9	149
79	Impacts of climate change on surface ozone and intercontinental ozone pollution: A multi-model study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3744-3763.	1.2	149
80	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> , 2014, 119, 5719-5736.	1.2	149
81	Origin and variability of upper tropospheric nitrogen oxides and ozone at northern mid-latitudes. <i>Atmospheric Environment</i> , 2001, 35, 3421-3433.	1.9	145
82	Detection and Attribution of Climate Change: from Global to Regional. , 2014, , 867-952.		144
83	Impact of Future Climate and Emission Changes on Stratospheric Aerosols and Ozone. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 414-440.	0.6	142
84	The influence of foreign vs. North American emissions on surface ozone in the US. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5027-5042.	1.9	141
85	Climate and ozone response to increased stratospheric water vapor. <i>Geophysical Research Letters</i> , 2001, 28, 1551-1554.	1.5	139
86	Did the Toba volcanic eruption of ~1474 ka B.P. produce widespread glaciation?. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	136
87	Inhomogeneous forcing and transient climate sensitivity. <i>Nature Climate Change</i> , 2014, 4, 274-277.	8.1	134
88	CMIP5 historical simulations (1850–2012) with GISS ModelE2. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 441-478.	1.3	133
89	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> , 2013, 6, 1287-1314.	1.2	131
90	Northern winter climate change: Assessment of uncertainty in CMIP5 projections related to stratosphere-troposphere coupling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7979-7998.	1.2	131

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91	An emissions-based view of climate forcing by methane and tropospheric ozone. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	129
92	Impacts of climate change on methane emissions from wetlands. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	128
93	Quantified, localized health benefits of accelerated carbon dioxide emissions reductions. <i>Nature Climate Change</i> , 2018, 8, 291-295.	8.1	128
94	Intercontinental Impacts of Ozone Pollution on Human Mortality. <i>Environmental Science & Technology</i> , 2009, 43, 6482-6487.	4.6	126
95	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> , 2013, 13, 2607-2634.	1.9	125
96	Global and regional temperature-change potentials for near-term climate forcers. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2471-2485.	1.9	122
97	The impact of greenhouse gases and halogenated species on future solar UV radiation doses. <i>Geophysical Research Letters</i> , 2000, 27, 1127-1130.	1.5	119
98	Rapid Adjustments Cause Weak Surface Temperature Response to Increased Black Carbon Concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11462-11481.	1.2	118
99	The social cost of atmospheric release. <i>Climatic Change</i> , 2015, 130, 313-326.	1.7	117
100	PDRMIP: A Precipitation Driver and Response Model Intercomparison Project Protocol and Preliminary Results. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1185-1198.	1.7	116
101	Disentangling the effects of CO ₂ and short-lived climate forcer mitigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16325-16330.	3.3	114
102	Global assessment of oil and gas methane ultra-emitters. <i>Science</i> , 2022, 375, 557-561.	6.0	114
103	Understanding Rapid Adjustments to Diverse Forcing Agents. <i>Geophysical Research Letters</i> , 2018, 45, 12023-12031.	1.5	113
104	Climate Change and the Middle Atmosphere. Part III: The Doubled CO ₂ Climate Revisited. <i>Journal of Climate</i> , 1998, 11, 876-894.	1.2	112
105	Modeling the distribution of the volcanic aerosol cloud from the 1783-1784 Laki eruption. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	112
106	Future climate change under RCP emission scenarios with GISS ModelE2. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 244-267.	1.3	112
107	Dominant control of agriculture and irrigation on urban heat island in India. <i>Scientific Reports</i> , 2017, 7, 14054.	1.6	106
108	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> , 2016, 16, 9847-9862.	1.9	101

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109	A climate policy pathway for near- and long-term benefits. <i>Science</i> , 2017, 356, 493-494.	6.0	100
110	Preindustrial-to-present-day radiative forcing by tropospheric ozone from improved simulations with the GISS chemistry-climate GCM. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1675-1702.	1.9	99
111	Air pollution: Clean up our skies. <i>Nature</i> , 2014, 515, 335-337.	13.7	99
112	Coupled Aerosol-Chemistryâ€“Climate Twentieth-Century Transient Model Investigation: Trends in Short-Lived Species and Climate Responses. <i>Journal of Climate</i> , 2011, 24, 2693-2714.	1.2	98
113	Role of tropospheric ozone increases in 20th-century climate change. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	97
114	The role of forcing and internal dynamics in explaining the â€œMedieval Climate Anomalyâ€“. <i>Climate Dynamics</i> , 2012, 39, 2847-2866.	1.7	97
115	The influence of ozone precursor emissions from four world regions on tropospheric composition and radiative climate forcing. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	97
116	The Relative Importance of Solar and Anthropogenic Forcing of Climate Change between the Maunder Minimum and the Present. <i>Journal of Climate</i> , 2004, 17, 906-929.	1.2	96
117	Information from Paleoclimate Archives. , 2014, , 383-464.		95
118	The quest for improved air quality may push China to continue its CO ₂ reduction beyond the Paris Commitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29535-29542.	3.3	93
119	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> , 2006, 103, 4377-4380.	3.3	91
120	Fire parameterization on a global scale. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	90
121	Solar and anthropogenic forcing of tropical hydrology. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	89
122	Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the periodâ€“1990â€“2015. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2709-2720.	1.9	87
123	A PDRMIP Multimodel Study on the Impacts of Regional Aerosol Forcings on Global and Regional Precipitation. <i>Journal of Climate</i> , 2018, 31, 4429-4447.	1.2	83
124	The added value to global model projections of climate change by dynamical downscaling: A case study over the continental U.S. using the GISSâ€“ModelE2 and WRF models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	82
125	Spatial scales of climate response to inhomogeneous radiative forcing. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	79
126	How linear is the Arctic Oscillation response to greenhouse gases?. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 1-1.	3.3	78

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127	Atmospheric composition, radiative forcing, and climate change as a consequence of a massive methane release from gas hydrates. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	77
128	A multi-model study of the hemispheric transport and deposition of oxidised nitrogen. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	76
129	Short-lived climate pollutant mitigation and the Sustainable Development Goals. <i>Nature Climate Change</i> , 2017, 7, 863-869.	8.1	76
130	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> , 2006, 111, .	3.3	75
131	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> , 2016, 16, 3525-3561.	1.9	75
132	Effects of solar cycle variability on the lower stratosphere and the troposphere. <i>Journal of Geophysical Research</i> , 1999, 104, 27321-27339.	3.3	74
133	Multimodel projections of climate change from short-lived emissions due to human activities. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	74
134	Air Quality Response in China Linked to the 2019 Novel Coronavirus (COVID-19) Lockdown. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089252.	1.5	74
135	Local and remote contributions to Arctic warming. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	73
136	Precipitation response to regional radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6969-6982.	1.9	72
137	Implications of possible interpretations of “greenhouse gas balance” in the Paris Agreement. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20160445.	1.6	72
138	Aerosol climate effects and air quality impacts from 1980 to 2030. <i>Environmental Research Letters</i> , 2008, 3, 024004.	2.2	71
139	Climate and health impacts of US emissions reductions consistent with 2°C. <i>Nature Climate Change</i> , 2016, 6, 503-507.	8.1	71
140	Accounting for the climate-carbon feedback in emission metrics. <i>Earth System Dynamics</i> , 2017, 8, 235-253.	2.7	71
141	On the characteristics of aerosol indirect effect based on dynamic regimes in global climate models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2765-2783.	1.9	67
142	Solar signals in CMIP5 simulations: the stratospheric pathway. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2390-2403.	1.0	66
143	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> , 2001, 106, 8047-8075.	3.3	65
144	Impacts of intercontinental transport of anthropogenic fine particulate matter on human mortality. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 369-379.	1.5	64

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145	Drivers of Precipitation Change: An Energetic Understanding. <i>Journal of Climate</i> , 2018, 31, 9641-9657.	1.2	63
146	The net climate impact of coal-fired power plant emissions. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3247-3260.	1.9	62
147	Evaluation of ACCMIP outgoing longwave radiation from tropospheric ozone using TES satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4057-4072.	1.9	61
148	Increase of ozone concentrations, its temperature sensitivity and the precursor factor in South China. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 23455.	0.8	61
149	Spatial patterns of radiative forcing and surface temperature response. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5385-5403.	1.2	61
150	Efficacy of Climate Forcings in PDRMIP Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12824-12844.	1.2	55
151	Global multi-year O ₃ -CO correlation patterns from models and TES satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5819-5838.	1.9	54
152	Climate Change and the Middle Atmosphere. Part IV: Ozone Response to Doubled CO ₂ . <i>Journal of Climate</i> , 1998, 11, 895-918.	1.2	53
153	Spatially Refined Aerosol Direct Radiative Forcing Efficiencies. <i>Environmental Science & Technology</i> , 2012, 46, 9511-9518.	4.6	53
154	Impacts of chemistry-aerosol coupling on tropospheric ozone and sulfate simulations in a general circulation model. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	52
155	Air pollution radiative forcing from specific emissions sectors at 2030. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51
156	Climate forcing and air quality change due to regional emissions reductions by economic sector. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7101-7113.	1.9	51
157	Modeling the QBO's Improvements resulting from higher model vertical resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1092-1105.	1.3	51
158	Radiative cooling by stratospheric water vapor: Big differences in GCM results. <i>Geophysical Research Letters</i> , 2001, 28, 2791-2794.	1.5	50
159	Use of North American and European air quality networks to evaluate global chemistry's climate modeling of surface ozone. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10581-10596.	1.9	50
160	Validation of UARS Microwave Limb Sounder ClO measurements. <i>Journal of Geophysical Research</i> , 1996, 101, 10091-10127.	3.3	49
161	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> , 2013, 118, 700-720.	1.2	49
162	CMIP6 Historical Simulations (1850-2014) With GISS-E2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2019MS002034.	1.3	49

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163	The social cost of methane: theory and applications. <i>Faraday Discussions</i> , 2017, 200, 429-451.	1.6	47
164	Regional and global temperature response to anthropogenic SO ₂ emissions from China in three climate models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9785-9804.	1.9	46
165	Effect of climate change on surface ozone over North America, Europe, and East Asia. <i>Geophysical Research Letters</i> , 2016, 43, 3509-3518.	1.5	46
166	General circulation modelling of Holocene climate variability. <i>Quaternary Science Reviews</i> , 2004, 23, 2167-2181.	1.4	45
167	Why Does Aerosol Forcing Control Historical Global-Mean Surface Temperature Change in CMIP5 Models?. <i>Journal of Climate</i> , 2015, 28, 6608-6625.	1.2	44
168	Sensible heat has significantly affected the global hydrological cycle over the historical period. <i>Nature Communications</i> , 2018, 9, 1922.	5.8	44
169	Historical total ozone radiative forcing derived from CMIP6 simulations. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	2.6	44
170	Solar signals in CMIP5 simulations: the ozone response. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2670-2689.	1.0	43
171	Attribution of historical ozone forcing to anthropogenic emissions. <i>Nature Climate Change</i> , 2013, 3, 567-570.	8.1	42
172	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> , 1997, 54, 2308-2319.	0.6	41
173	Interannual variability of tropospheric trace gases and aerosols: The role of biomass burning emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7157-7173.	1.2	41
174	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> , 2007, 112, .	3.3	40
175	The vertical distribution of ozone instantaneous radiative forcing from satellite and chemistry climate models. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	40
176	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8439-8452.	1.9	40
177	Measurement-based assessment of health burdens from long-term ozone exposure in the United States, Europe, and China. <i>Environmental Research Letters</i> , 2018, 13, 104018.	2.2	40
178	Climate forcing by the on-road transportation and power generation sectors. <i>Atmospheric Environment</i> , 2009, 43, 3077-3085.	1.9	39
179	Toward the next generation of air quality monitoring indicators. <i>Atmospheric Environment</i> , 2013, 80, 561-570.	1.9	39
180	Arctic Amplification Response to Individual Climate Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6698-6717.	1.2	39

#	ARTICLE	IF	CITATIONS
181	The Effects of Heat Exposure on Human Mortality Throughout the United States. <i>GeoHealth</i> , 2020, 4, e2019GH000234.	1.9	39
182	GRIPS Solar Experiments Intercomparison Project: Initial Results. <i>Papers in Meteorology and Geophysics</i> , 2003, 54, 71-90.	0.9	38
183	Declining uncertainty in transient climate response as CO2 forcing dominates future climate change. <i>Nature Geoscience</i> , 2015, 8, 181-185.	5.4	38
184	Connecting regional aerosol emissions reductions to local and remote precipitation responses. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12461-12475.	1.9	38
185	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> , 2021, 118, .	3.3	38
186	On the origin of multidecadal to centennial Greenland temperature anomalies over the past 800 yr. <i>Climate of the Past</i> , 2013, 9, 583-596.	1.3	37
187	Indicate separate contributions of long-lived and short-lived greenhouse gases in emission targets. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, 5.	2.6	36
188	Evaluation of the absolute regional temperature potential. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7955-7960.	1.9	35
189	Carbon Dioxide Physiological Forcing Dominates Projected Eastern Amazonian Drying. <i>Geophysical Research Letters</i> , 2018, 45, 2815-2825.	1.5	35
190	Observationally constrained aerosol cloud semi-direct effects. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	35
191	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> , 2018, 121, 275-285.	4.2	34
192	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> , 2013, 118, 8054-8066.	1.2	33
193	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	2.6	33
194	CLIMATE CHANGE: Whither Arctic Climate?. <i>Science</i> , 2003, 299, 215-216.	6.0	32
195	Sensitivity of stratospheric geoengineering with black carbon to aerosol size and altitude of injection. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	32
196	Do responses to different anthropogenic forcings add linearly in climate models?. <i>Environmental Research Letters</i> , 2015, 10, 104010.	2.2	32
197	Multimodel precipitation responses to removal of U.S. sulfur dioxide emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5024-5038.	1.2	32
198	Global atmospheric chemistry – which air matters. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9081-9102.	1.9	32

#	ARTICLE	IF	CITATIONS
199	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> , 2020, 125, e2019JD032204.	1.2	32
200	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> , 2001, 106, 33435-33451.	3.3	31
201	The impact of orbital sampling, monthly averaging and vertical resolution on climate chemistry model evaluation with satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6493-6514.	1.9	31
202	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> , 2020, 145, 106155.	4.8	30
203	Increased labor losses and decreased adaptation potential in a warmer world. <i>Nature Communications</i> , 2021, 12, 7286.	5.8	30
204	Seasonal cycles of O ₃ in the marine boundary layer: Observation and model simulation comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 538-557.	1.2	29
205	Water vapour adjustments and responses differ between climate drivers. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12887-12899.	1.9	29
206	The distribution of snow black carbon observed in the Arctic and compared to the GISS-PUCCINI model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7995-8007.	1.9	28
207	A note on the relationship between ice core methane concentrations and insolation. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	27
208	Impacts of aerosol-cloud interactions on past and future changes in tropospheric composition. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4115-4129.	1.9	27
209	Evaluation of the global aerosol microphysical ModelE2-TOMAS model against satellite and ground-based observations. <i>Geoscientific Model Development</i> , 2015, 8, 631-667.	1.3	26
210	Quantifying the Importance of Rapid Adjustments for Global Precipitation Changes. <i>Geophysical Research Letters</i> , 2018, 45, 11399-11405.	1.5	26
211	Magnitude, trends, and impacts of ambient long-term ozone exposure in the United States from 2000 to 2015. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1757-1775.	1.9	26
212	Stratospheric winter climate response to ENSO in three chemistry–climate models. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	25
213	Understanding the drivers for the 20th century change of hydrogen peroxide in Antarctic ice-cores. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	25
214	Radiative forcing due to major aerosol emitting sectors in China and India. <i>Geophysical Research Letters</i> , 2013, 40, 4409-4414.	1.5	25
215	Climate System Scenario Tables. , 2014, , 1395-1446.		25
216	Local and remote mean and extreme temperature response to regional aerosol emissions reductions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3009-3027.	1.9	25

#	ARTICLE	IF	CITATIONS
217	Impact of aerosol radiative effects on 2000â€“2010 surface temperatures. <i>Climate Dynamics</i> , 2015, 45, 2165-2179.	1.7	24
218	Chlorine monoxide in the Antarctic spring vortex: 1. Evolution of midday vertical profiles over McMurdo Station, 1993. <i>Journal of Geophysical Research</i> , 1995, 100, 13999.	3.3	23
219	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> , 1996, 101, 1475-1487.	3.3	23
220	2 * CO2 and Solar Variability Influences on the Troposphere Through Wave-Mean Flow Interactions.. <i>Journal of the Meteorological Society of Japan</i> , 2002, 80, 863-876.	0.7	23
221	How aerosols and greenhouse gases influence the diurnal temperature range. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13467-13480.	1.9	23
222	A global climate model study of CH4 emissions during the Holocene and glacial-interglacial transitions constrained by ice core data. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	22
223	Future Climate Change Under SSP Emission Scenarios With GISSâ€“2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	22
224	Separating the influence of halogen and climate changes on ozone recovery in the upper stratosphere. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 3-1.	3.3	21
225	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	21
226	Comparison of Effective Radiative Forcing Calculations Using Multiple Methods, Drivers, and Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4382-4394.	1.2	21
227	Sensitivity studies of oxidative changes in the troposphere in 2100 using the GISS GCM. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 1267-1283.	1.9	20
228	The Influence of Solar Forcing on Tropical Circulation. <i>Journal of Climate</i> , 2009, 22, 5870-5885.	1.2	20
229	Crop yield changes induced by emissions of individual climateâ€“altering pollutants. <i>Earth's Future</i> , 2016, 4, 373-380.	2.4	19
230	The long-term relationship between emissions and economic growth for SO ₂ , CO ₂ , and BC. <i>Environmental Research Letters</i> , 2018, 13, 124021.	2.2	19
231	An exploration of ozone changes and their radiative forcing prior to the chlorofluorocarbon era. <i>Atmospheric Chemistry and Physics</i> , 2002, 2, 363-374.	1.9	18
232	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> , 1994, 21, 1271-1274.	1.5	17
233	Estimating the potential for twenty-first century sudden climate change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 2675-2694.	1.6	17
234	How well do integrated assessment models represent non-CO2 radiative forcing?. <i>Climatic Change</i> , 2015, 133, 565-582.	1.7	17

#	ARTICLE	IF	CITATIONS
235	Reduce short-lived climate pollutants for multiple benefits. <i>Lancet, The</i> , 2015, 386, e28-e31.	6.3	17
236	Potential impact of a US climate policy and air quality regulations on future air quality and climate change. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5323-5342.	1.9	17
237	Stratospheric ClO profiles from McMurdo Station, Antarctica, spring 1992. <i>Journal of Geophysical Research</i> , 1995, 100, 3049.	3.3	16
238	The role of temporal evolution in modeling atmospheric emissions from tropical fires. <i>Atmospheric Environment</i> , 2014, 89, 158-168.	1.9	16
239	Aligning evidence generation and use across health, development, and environment. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 81-93.	3.1	16
240	Reappraisal of the Climate Impacts of Ozone-Depleting Substances. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088295.	1.5	16
241	Inferring carbon monoxide pollution changes from space-based observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	15
242	Multimodel Surface Temperature Responses to Removal of U.S. Sulfur Dioxide Emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2773-2796.	1.2	15
243	Distinct responses of Asian summer monsoon to black carbon aerosols and greenhouse gases. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11823-11839.	1.9	15
244	Air Pollution and Health – A Science-Policy Initiative. <i>Annals of Global Health</i> , 2019, 85, 140.	0.8	15
245	Large uncertainties in global hydroxyl projections tied to fate of reactive nitrogen and carbon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
246	The impact of horizontal transport on the chemical composition in the tropopause region: lightning NOx and streamers. <i>Advances in Space Research</i> , 2004, 33, 1058-1061.	1.2	14
247	Multi-model impacts of climate change on pollution transport from global emission source regions. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14219-14237.	1.9	14
248	GISS Model E2.2: A Climate Model Optimized for the Middle Atmosphere ² . Validation of Large-Scale Transport and Evaluation of Climate Response. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033151.	1.2	14
249	Arctic chlorine monoxide observations during spring 1993 over Thule, Greenland, and implications for ozone depletion. <i>Journal of Geophysical Research</i> , 1994, 99, 25697.	3.3	13
250	Sources of Black Carbon Deposition to the Himalayan Glaciers in Current and Future Climates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7482-7505.	1.2	13
251	Spatial Patterns of Crop Yield Change by Emitted Pollutant. <i>Earth's Future</i> , 2019, 7, 101-112.	2.4	13
252	Sensitivity of modeled Indian monsoon to Chinese and Indian aerosol emissions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3593-3605.	1.9	13

#	ARTICLE	IF	CITATIONS
253	Limits on heterogeneous processing in the Antarctic spring vortex from a comparison of measured and modeled chlorine. <i>Journal of Geophysical Research</i> , 1997, 102, 1441-1449.	3.3	12
254	Exploration of the Global Burden of Dementia Attributable to PM2.5: What Do We Know Based on Current Evidence?. <i>GeoHealth</i> , 2021, 5, e2020GH000356.	1.9	12
255	Dynamic-chemical coupling of the upper troposphere and lower stratosphere region. <i>Chemosphere</i> , 2002, 47, 851-861.	4.2	11
256	N2O as an indicator of Arctic vortex dynamics: Correlations with O3 over Thule, Greenland in February and March, 1992. <i>Geophysical Research Letters</i> , 1994, 21, 1275-1278.	1.5	10
257	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> , 2008, 70, 730-741.	0.6	9
258	Interpreting ^{10}Be changes during the Maunder Minimum. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
259	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> , 2016, 7, 717-734.	2.7	9
260	The chlorine budget of the lower polar stratosphere: Upper limits on ClO, and Implications of new ClO ₂ photolysis cross sections. <i>Geophysical Research Letters</i> , 1995, 22, 3215-3218.	1.5	8
261	The Potential Influence of ClO-O ₂ on Stratospheric Ozone Depletion Chemistry. <i>Journal of Atmospheric Chemistry</i> , 1997, 26, 323-335.	1.4	8
262	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> , 1999, 56, 1873-1884.	0.6	8
263	Constraining the Sensitivity of Regional Climate with the Use of Historical Observations. <i>Journal of Climate</i> , 2010, 23, 6068-6073.	1.2	8
264	Influences of Solar Forcing at Ultraviolet and Longer Wavelengths on Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031640.	1.2	8
265	Premature Deaths in Africa Due To Particulate Matter Under High and Low Warming Scenarios. <i>GeoHealth</i> , 2022, 6, e2022GH000601.	1.9	8
266	The effect of rapid adjustments to halocarbons and N ₂ O on radiative forcing. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	2.6	7
267	Call for comments: climate and clean air responses to covid-19. <i>International Journal of Public Health</i> , 2020, 65, 525-528.	1.0	7
268	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> , 2020, 20, 8251-8266.	1.9	7
269	Correction to "Solar influences on climate". <i>Reviews of Geophysics</i> , 2012, 50, .	9.0	5
270	Linkages between ozone-depleting substances, tropospheric oxidation and aerosols. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4907-4916.	1.9	5

#	ARTICLE	IF	CITATIONS
271	Evaluating Modeled Impact Metrics for Human Health, Agriculture Growth, and Near-Term Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,506.	1.2	5
272	Scientific data from precipitation driver response model intercomparison project. <i>Scientific Data</i> , 2022, 9, 123.	2.4	5
273	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> , 2014, 119, 3882-3885.	1.2	4
274	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> , 2013, 13, 6553-6554.	1.9	3
275	Reply to 'Questions of bias in climate models'. <i>Nature Climate Change</i> , 2014, 4, 742-743.	8.1	3
276	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> , 2018, 18, 15345-15361.	1.9	3
277	Protecting the environment can boost the economy. <i>Nature</i> , 2009, 459, 321-321.	13.7	2
278	Distinct surface response to black carbon aerosols. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13797-13809.	1.9	2
279	Atmospheric chemistry and the biosphere: general discussion. <i>Faraday Discussions</i> , 2017, 200, 195-228.	1.6	1
280	The air we breathe: Past, present, and future: general discussion. <i>Faraday Discussions</i> , 2017, 200, 501-527.	1.6	1
281	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> , 2014, , 9-12.	0.1	1
282	Summary for Policymakers. , 2014, , 45-64.		1
283	Technical Summary. , 0, , 27-158.		0
284	Reply to comment by W. F. Ruddiman on "A note on the relationship between ice core methane concentrations and insolation". <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	0
285	Expanding standards. <i>Nature Climate Change</i> , 2011, 1, 68-68.	8.1	0
286	The clean air dividend. <i>New Scientist</i> , 2012, 214, 22-23.	0.0	0