

J-F Lamarque

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.

389
papers

47,493
citations

95
h-index

214
g-index

487
ext. papers

54,907
ext. citations

6.8
avg, IF

6.83
L-index

#	Paper	IF	Citations
389	A revised lower estimate of ozone columns during Earth's oxygenated history.. <i>Royal Society Open Science</i> , 2022 , 9, 211165	3.3	1
388	Spurious Late Historical-Era Warming in CESM2 Driven by Prescribed Biomass Burning Emissions. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	5
387	Sulfur emissions from consumption by developed and developing countries produce comparable climate impacts. <i>Nature Geoscience</i> , 2022 , 15, 184-189	18.3	2
386	Scientific data from precipitation driver response model intercomparison project.. <i>Scientific Data</i> , 2022 , 9, 123	8.2	0
385	Reactive halogens increase the global methane lifetime and radiative forcing in the 21st century.. <i>Nature Communications</i> , 2022 , 13, 2768	17.4	0
384	Ubiquity of human-induced changes in climate variability. <i>Earth System Dynamics</i> , 2021 , 12, 1393-1411	4.8	27
383	THE NASA ATMOSPHERIC TOMOGRAPHY (ATom) MISSION: Imaging the Chemistry of the Global Atmosphere. <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-53	6.1	6
382	Antarctic ozone hole modifies iodine geochemistry on the Antarctic Plateau. <i>Nature Communications</i> , 2021 , 12, 5836	17.4	0
381	The Role of Natural Halogens in Global Tropospheric Ozone Chemistry and Budget Under Different 21st Century Climate Scenarios. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD034859	4.4	1
380	Impacts of emission changes in China from 2010 to 2017 on domestic and intercontinental air quality and health effect. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 16051-16065	6.8	2
379	Model physics and chemistry causing intermodel disagreement within the VolMIP-Tambora Interactive Stratospheric Aerosol ensemble. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 3317-3343	6.8	12
378	Mapping Yearly Fine Resolution Global Surface Ozone through the Bayesian Maximum Entropy Data Fusion of Observations and Model Output for 1990-2017. <i>Environmental Science & Technology</i> , 2021 , 55, 4389-4398	10.3	13
377	Sensitivity of modeled Indian monsoon to Chinese and Indian aerosol emissions. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 3593-3605	6.8	3
376	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6. <i>Earth System Dynamics</i> , 2021 , 12, 253-293	4.8	60
375	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	5	4
374	Tropical Stratospheric Circulation and Ozone Coupled to Pacific Multi-Decadal Variability. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092162	4.9	3
373	Global climate disruption and regional climate shelters after the Toba supereruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3

372	Effects of Climate and Atmospheric Nitrogen Deposition on Early to Mid-Term Stage Litter Decomposition Across Biomes. <i>Frontiers in Forests and Global Change</i> , 2021 , 4,	3.7	4
371	Effective radiative forcing from emissions of reactive gases and aerosols in a multi-model comparison. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 853-874	6.8	18
370	Intercomparison Between Surrogate, Explicit, and Full Treatments of VSL Bromine Chemistry Within the CAM-Chem Chemistry-Climate Model. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091125	4.9	0
369	Coupled Climate Responses to Recent Australian Wildfire and COVID-19 Emissions Anomalies Estimated in CESM2. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093841	4.9	3
368	Distinct surface response to black carbon aerosols. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 13797-13809	6.8	0
367	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 13729-13746	6.8	1
366	Climate-driven chemistry and aerosol feedbacks in CMIP6 Earth system models. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1105-1126	6.8	10
365	Global sensitivity analysis of chemistry-climate model budgets of tropospheric ozone and OH: exploring model diversity. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 4047-4058	6.8	19
364	Assessing California Wintertime Precipitation Responses to Various Climate Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031736	4.4	1
363	Attribution of Chemistry-Climate Model Initiative (CCMI) ozone radiative flux bias from satellites. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 281-301	6.8	4
362	The Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001916	7.1	358
361	Context for interpreting equilibrium climate sensitivity and transient climate response from the CMIP6 Earth system models. <i>Science Advances</i> , 2020 , 6, eaba1981	14.3	142
360	Natural halogens buffer tropospheric ozone in a changing climate. <i>Nature Climate Change</i> , 2020 , 10, 1472-1474	11.4	19
359	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001882	7.1	78
358	Local and remote mean and extreme temperature response to regional aerosol emissions reductions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3009-3027	6.8	8
357	The Southern Hemisphere Midlatitude Circulation Response to Rapid Adjustments and Sea Surface Temperature Driven Feedbacks. <i>Journal of Climate</i> , 2020 , 33, 9673-9690	4.4	2
356	Distinct responses of Asian summer monsoon to black carbon aerosols and greenhouse gases. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11823-11839	6.8	3
355	How aerosols and greenhouse gases influence the diurnal temperature range. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 13467-13480	6.8	7

354	Seasonal impact of biogenic very short-lived bromocarbons on lowermost stratospheric ozone between 60° N and 60° S during the 21st century. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8083-8102	6.8	5
353	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	6.8	3
352	Climate and air quality impacts due to mitigation of non-methane near-term climate forcers. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9641-9663	6.8	11
351	Projecting ozone hole recovery using an ensemble of chemistry-climate models weighted by model performance and independence. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9961-9977	6.8	9
350	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4505-4510	11.5	61
349	Global Atmospheric Budget of Acetone: Air-Sea Exchange and the Contribution to Hydroxyl Radicals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032553	4.4	8
348	Large influence of dust on the Precambrian climate. <i>Nature Communications</i> , 2020 , 11, 4427	17.4	4
347	The effect of rapid adjustments to halocarbons and N2O on radiative forcing. <i>Npj Climate and Atmospheric Science</i> , 2020 , 3,	8	4
346	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12380-12403	4.4	126
345	Increased water vapour lifetime due to global warming 2019 ,		2
344	Observationally constrained aerosol-cloud semi-direct effects. <i>Npj Climate and Atmospheric Science</i> , 2019 , 2,	8	18
343	Evaluating Simulations of Interhemispheric Transport: Interhemispheric Exchange Time Versus SF6 Age. <i>Geophysical Research Letters</i> , 2019 , 46, 1113-1120	4.9	6
342	Comparing Surface and Stratospheric Impacts of Geoengineering With Different SO2 Injection Strategies. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 7900-7918	4.4	30
341	Large-scale transport into the Arctic: the roles of the midlatitude jet and the Hadley Cell. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5511-5528	6.8	7
340	Arctic Amplification Response to Individual Climate Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 6698-6717	4.4	21
339	Atmospheric Acetaldehyde: Importance of Air-Sea Exchange and a Missing Source in the Remote Troposphere. <i>Geophysical Research Letters</i> , 2019 , 46, 5601-5613	4.9	28
338	Impacts of climate change and emissions on atmospheric oxidized nitrogen deposition over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 887-900	6.8	11
337	Anthropogenic nitrogen inputs and impacts on oceanic N2O fluxes in the northern Indian Ocean: The need for an integrated observation and modelling approach. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019 , 166, 104-113	2.3	6

336	Comparison of Effective Radiative Forcing Calculations Using Multiple Methods, Drivers, and Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 4382-4394	4.4	14
335	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. <i>Npj Climate and Atmospheric Science</i> , 2019 , 2,	8	9
334	High Climate Sensitivity in the Community Earth System Model Version 2 (CESM2). <i>Geophysical Research Letters</i> , 2019 , 46, 8329-8337	4.9	141
333	Ocean Biogeochemistry Control on the Marine Emissions of Brominated Very Short-Lived Ozone-Depleting Substances: A Machine-Learning Approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12319-12339	4.4	11
332	Modeling the Sources and Chemistry of Polar Tropospheric Halogens (Cl, Br, and I) Using the CAM-Chem Global Chemistry-Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 2259-2289	7.1	17
331	Climate Forcing and Trends of Organic Aerosols in the Community Earth System Model (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 4323-4351	7.1	50
330	Novel approaches to improve estimates of short-lived halocarbon emissions during summer from the Southern Ocean using airborne observations. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14071-14090	6.8	3
329	Efficacy of Climate Forcings in PDRMIP Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12824-12844	4.4	34
328	Water vapour adjustments and responses differ between climate drivers. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12887-12899	6.8	18
327	Holistic Assessment of SO ₂ Injections Using CESM1(WACCM): Introduction to the Special Issue. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 444-450	4.4	2
326	The importance of aerosol scenarios in projections of future heat extremes. <i>Climatic Change</i> , 2018 , 146, 393-406	4.5	33
325	Isolating the Meteorological Impact of 21st Century GHG Warming on the Removal and Atmospheric Loading of Anthropogenic Fine Particulate Matter Pollution at Global Scale. <i>Earth's Future</i> , 2018 , 6, 428-440	7.9	14
324	A PDRMIP multi-model study on the impacts of regional aerosol forcings on global and regional precipitation. <i>Journal of Climate</i> , 2018 , 31, 4429-4447	4.4	49
323	Multimodel Surface Temperature Responses to Removal of U.S. Sulfur Dioxide Emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 2773-2796	4.4	13
322	Rapid increase in atmospheric iodine levels in the North Atlantic since the mid-20th century. <i>Nature Communications</i> , 2018 , 9, 1452	17.4	58
321	Future heat waves and surface ozone. <i>Environmental Research Letters</i> , 2018 , 13, 064004	6.2	25
320	How Will Air Quality Change in South Asia by 2050?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 1840-1864	4.4	40
319	Multi-model comparison of the volcanic sulfate deposition from the 1815 eruption of Mt. Tambora. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2307-2328	6.8	31

318	Carbon dioxide physiological forcing dominates projected Eastern Amazonian drying. <i>Geophysical Research Letters</i> , 2018 , 45, 2815-2825	4.9	26
317	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	21
316	Spatial and temporal variability of interhemispheric transport times. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7439-7452	6.8	12
315	Changes in a suite of indicators of extreme temperature and precipitation under 1.5 and 2 degrees warming. <i>Environmental Research Letters</i> , 2018 , 13, 035009	6.2	20
314	Coordination to Understand and Reduce Global Model Biases by U.S. and Chinese Institutions. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, ES109-ES113	6.1	4
313	The Benefits of Reduced Anthropogenic Climate change (BRACE): a synthesis. <i>Climatic Change</i> , 2018 , 146, 287-301	4.5	23
312	Cloud impacts on photochemistry: building a climatology of photolysis rates from the Atmospheric Tomography mission. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16809-16828	6.8	18
311	Evaluating simplified chemical mechanisms within present-day simulations of the Community Earth System Model version 1.2 with CAM4 (CESM1.2 CAM-chem): MOZART-4 vs. Reduced Hydrocarbon vs. Super-Fast chemistry. <i>Geoscientific Model Development</i> , 2018 , 11, 4155-4174	6.3	7
310	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 8439-8452	6.8	31
309	CESM1(WACCM) Stratospheric Aerosol Geoengineering Large Ensemble Project. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 2361-2371	6.1	74
308	Large-scale tropospheric transport in the ChemistryClimate Model Initiative (CCMI) simulations. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7217-7235	6.8	25
307	Simulated Global Climate Response to Tropospheric Ozone-Induced Changes in Plant Transpiration. <i>Geophysical Research Letters</i> , 2018 , 45, 13070-13079	4.9	11
306	Systemic swings in end-Permian climate from Siberian Traps carbon and sulfur outgassing. <i>Nature Geoscience</i> , 2018 , 11, 949-954	18.3	55
305	Effects of Different Stratospheric SO ₂ Injection Altitudes on Stratospheric Chemistry and Dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4654-4673	4.4	37
304	Drivers of Precipitation Change: An Energetic Understanding. <i>Journal of Climate</i> , 2018 , 31, 9641-9657	4.4	37
303	Understanding Rapid Adjustments to Diverse Forcing Agents. <i>Geophysical Research Letters</i> , 2018 , 45, 12023-12031	4.9	73
302	Stratospheric Response in the First Geoengineering Simulation Meeting Multiple Surface Climate Objectives. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5762-5782	4.4	14
301	Quantifying the Importance of Rapid Adjustments for Global Precipitation Changes. <i>Geophysical Research Letters</i> , 2018 , 45, 11399-11405	4.9	17

300	Connecting regional aerosol emissions reductions to local and remote precipitation responses. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 12461-12475	6.8	21
299	How well can global chemistry models calculate the reactivity of short-lived greenhouse gases in the remote troposphere, knowing the chemical composition. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2653-2668	4	9
298	Large-scale transport into the Arctic: the roles of the midlatitude jet and the Hadley Cell 2018 ,		1
297	Sensible heat has significantly affected the global hydrological cycle over the historical period. <i>Nature Communications</i> , 2018 , 9, 1922	17.4	26
296	Stratospheric Injection of Brominated Very Short-Lived Substances: Aircraft Observations in the Western Pacific and Representation in Global Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5690-5719	4.4	30
295	The Convective Transport of Active Species in the Tropics (CONTRAST) Experiment. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 106-128	6.1	40
294	Quantifying the causes of differences in tropospheric OH within global models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1983-2007	4.4	18
293	Multimodel precipitation responses to removal of U.S. sulfur dioxide emissions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 5024-5038	4.4	23
292	Cobenefits of global and domestic greenhouse gas emissions for air quality and human health. <i>Lancet, The</i> , 2017 , 389, S23	4.0	11
291	Rapid adjustments cause weak surface temperature response to increased black carbon concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , Volume 122, 11462-11481	4.4	100
290	Large-Scale Tropospheric Transport in the Chemistry Climate Model Initiative (CCMI) Simulations 2017 ,		2
289	Community climate simulations to assess avoided impacts in 1.5 and 2 °C futures. <i>Earth System Dynamics</i> , 2017 , 8, 827-847	4.8	125
288	Aerosols at the Poles: An AeroCom Phase II multi-model evaluation 2017 ,		2
287	Observation- and Model-Based Estimates of Particulate Dry Nitrogen Deposition to the Oceans 2017 ,		2
286	FUTURE GLOBAL MORTALITY FROM CHANGES IN AIR POLLUTION ATTRIBUTABLE TO CLIMATE CHANGE. <i>Nature Climate Change</i> , 2017 , 7, 647-651	21.4	114
285	The Climate Response to Stratospheric Aerosol Geoengineering Can Be Tailored Using Multiple Injection Locations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 12,574	4.4	62
284	First Simulations of Designing Stratospheric Sulfate Aerosol Geoengineering to Meet Multiple Simultaneous Climate Objectives. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 12,616	4.4	75
283	Sensitivity of Aerosol Distribution and Climate Response to Stratospheric SO ₂ Injection Locations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 12,591	4.4	57

282	Stratospheric Dynamical Response and Ozone Feedbacks in the Presence of SO ₂ Injections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 12,557	4.4	49
281	Radiative and Chemical Response to Interactive Stratospheric Sulfate Aerosols in Fully Coupled CESM1(WACCM). <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 13,061	4.4	86
280	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	6.1	84
279	Improvement of the prediction of surface ozone concentration over conterminous U.S. by a computationally efficient second-order Rosenbrock solver in CAM4-Chem. <i>Journal of Advances in Modeling Earth Systems</i> , 2017 , 9, 482-500	7.1	3
278	Global atmospheric chemistry – which air matters. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9081-9102	6.8	22
277	Aerosols at the poles: an AeroCom Phase II multi-model evaluation. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 12197-12218	6.8	34
276	Modeling the inorganic bromine partitioning in the tropical tropopause layer over the eastern and western Pacific Ocean. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9917-9930	6.8	6
275	Variability and quasi-decadal changes in the methane budget over the period 2000–2012. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11135-11161	6.8	69
274	BrO and inferred Br profiles over the western Pacific: relevance of inorganic bromine sources and a Br minimum in the aged tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 15245-15270	6.8	22
273	Impact of biogenic very short-lived bromine on the Antarctic ozone hole during the 21st century. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1673-1688	6.8	26
272	Observation- and Model-Based Estimates of Particulate Dry Nitrogen Deposition to the Oceans. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 8189-8210	6.8	22
271	Wildfire air pollution hazard during the 21st century. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9223-9236	6.8	37
270	Tropospheric transport differences between models using the same large-scale meteorological fields. <i>Geophysical Research Letters</i> , 2017 , 44, 1068-1078	4.9	25
269	AerChemMIP: quantifying the effects of chemistry and aerosols in CMIP6. <i>Geoscientific Model Development</i> , 2017 , 10, 585-607	6.3	119
268	Variability and quasi-decadal changes in the methane budget over the period 2000–2012 2017 ,		2
267	Impact of biogenic very short-lived bromine on the Antarctic ozone hole during the 21 st century 2016 ,		1
266	Stratospheric ozone chemistry feedbacks are not critical for the determination of climate sensitivity in CESM1(WACCM). <i>Geophysical Research Letters</i> , 2016 , 43, 3928-3934	4.9	27
265	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	6.8	65

264	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	6.8	40
263	Nighttime atmospheric chemistry of iodine. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 15593-15604	6.8	22
262	Interpreting space-based trends in carbon monoxide with multiple models. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 7285-7294	6.8	24
261	A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , 2016 , 7, 10267	17.4	27
260	The global methane budget 2000-2012. <i>Earth System Science Data</i> , 2016 , 8, 697-751	10.5	641
259	The effect of future ambient air pollution on human premature mortality to 2100 using output from the ACCMIP model ensemble 2016 ,		1
258	Variability of fire emissions on interannual to multi-decadal timescales in two Earth System models. <i>Environmental Research Letters</i> , 2016 , 11, 125008	6.2	7
257	The Scenario Model Intercomparison Project (ScenarioMIP) for CMIP6. <i>Geoscientific Model Development</i> , 2016 , 9, 3461-3482	6.3	814
256	A consistent prescription of stratospheric aerosol for both radiation and chemistry in the Community Earth System Model (CESM1). <i>Geoscientific Model Development</i> , 2016 , 9, 2459-2470	6.3	12
255	The Scenario Model Intercomparison Project (ScenarioMIP) for CMIP6 2016 ,		18
254	Representation of the Community Earth System Model (CESM1) CAM4-chem within the Chemistry-Climate Model Initiative (CCMI). <i>Geoscientific Model Development</i> , 2016 , 9, 1853-1890	6.3	94
253	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	4.4	26
252	Fast and slow precipitation responses to individual climate forcings: A PDRMIP multimodel study. <i>Geophysical Research Letters</i> , 2016 , 43, 2782-2791	4.9	118
251	An observationally constrained evaluation of the oxidative capacity in the tropical western Pacific troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 7461-7488	4.4	17
250	Evaluation of the inter-annual variability of stratospheric chemical composition in chemistry-climate models using ground-based multi species time series. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 145, 61-84	2	4
249	Impact of aerosol radiative effects on 2000-2010 surface temperatures. <i>Climate Dynamics</i> , 2015 , 45, 2165-2179	4.2	21
248	The Role of Clouds in Modulating Global Aerosol Direct Radiative Effects in Spaceborne Active Observations and the Community Earth System Model. <i>Journal of Climate</i> , 2015 , 28, 2986-3003	4.4	24
247	The Community Earth System Model (CESM) Large Ensemble Project: A Community Resource for Studying Climate Change in the Presence of Internal Climate Variability. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1333-1349	6.1	1320

246	Airborne measurements of organic bromine compounds in the Pacific tropical tropopause layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13789-93	11.5	41
245	Injection of iodine to the stratosphere. <i>Geophysical Research Letters</i> , 2015 , 42, 6852-6859	4.9	41
244	Sensitivity of regional climate to global temperature and forcing. <i>Environmental Research Letters</i> , 2015 , 10, 074001	6.2	12
243	Bimodal distribution of free tropospheric ozone over the tropical western Pacific revealed by airborne observations. <i>Geophysical Research Letters</i> , 2015 , 42, 7844-7851	4.9	17
242	A negative feedback between anthropogenic ozone pollution and enhanced ocean emissions of iodine. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2215-2224	6.8	47
241	How emissions, climate, and land use change will impact mid-century air quality over the United States: a focus on effects at national parks. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2805-2823	6.8	80
240	Iodine oxide in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 583-593	6.8	62
239	Limited effect of anthropogenic nitrogen oxides on secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13487-13506	6.8	15
238	NO ₂ seasonal evolution in the north subtropical free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 10567-10579	6.8	6
237	Reducing the negative human-health impacts of bioenergy crop emissions through region-specific crop selection. <i>Environmental Research Letters</i> , 2015 , 10, 054004	6.2	2
236	Description and evaluation of tropospheric chemistry and aerosols in the Community Earth System Model (CESM1.2). <i>Geoscientific Model Development</i> , 2015 , 8, 1395-1426	6.3	119
235	CESM/CAM5 improvement and application: comparison and evaluation of updated CB05_GE and MOZART-4 gas-phase mechanisms and associated impacts on global air quality and climate. <i>Geoscientific Model Development</i> , 2015 , 8, 3999-4025	6.3	10
234	A new Geoengineering Model Intercomparison Project (GeoMIP) experiment designed for climate and chemistry models. <i>Geoscientific Model Development</i> , 2015 , 8, 43-49	6.3	37
233	Nitrogen Availability Reduces CMIP5 Projections of Twenty-First-Century Land Carbon Uptake*. <i>Journal of Climate</i> , 2015 , 28, 2494-2511	4.4	65
232	The terminator "toy" chemistry test: a simple tool to assess errors in transport schemes. <i>Geoscientific Model Development</i> , 2015 , 8, 1299-1313	6.3	11
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