

P M Forster

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.

228
papers

20,116
citations

72
h-index

138
g-index

251
ext. papers

24,136
ext. citations

8.4
avg, IF

6.88
L-index

#	Paper	IF	Citations
228	Indicate separate contributions of long-lived and short-lived greenhouse gases in emission targets.. <i>Npj Climate and Atmospheric Science</i> , 2022 , 5, 5	8	2
227	Future loss of local-scale thermal refugia in coral reef ecosystems 2022 , 1, e0000004		6
226	Scientific data from precipitation driver response model intercomparison project.. <i>Scientific Data</i> , 2022 , 9, 123	8.2	0
225	Biased Estimates of Equilibrium Climate Sensitivity and Transient Climate Response Derived From Historical CMIP6 Simulations. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	3
224	The Climate Response to Emissions Reductions Due to COVID-19: Initial Results From CovidMIP. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091883	4.9	19
223	Observational Evidence of Increasing Global Radiative Forcing. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091585	4.9	16
222	Modifying emissions scenario projections to account for the effects of COVID-19: protocol for CovidMIP. <i>Geoscientific Model Development</i> , 2021 , 14, 3683-3695	6.3	6
221	The contribution of global aviation to anthropogenic climate forcing for 2000 to 2018. <i>Atmospheric Environment</i> , 2021 , 244, 117834	5.3	160
220	Stringent mitigation substantially reduces risk of unprecedented near-term warming rates. <i>Nature Climate Change</i> , 2021 , 11, 126-131	21.4	11
219	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
218	Climate Impacts of COVID-19 Induced Emission Changes. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091805	4.9	10
217	Effective Radiative Forcing in a GCM With Fixed Surface Temperatures. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033880	4.4	8
216	Coral conservation requires ecological climate-change vulnerability assessments. <i>Frontiers in Ecology and the Environment</i> , 2021 , 19, 243-250	5.5	2
215	Energy Budget Constraints on the Time History of Aerosol Forcing and Climate Sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033622	4.4	9
214	Suppressed Late-20th Century Warming in CMIP6 Models Explained by Forcing and Feedbacks. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094948	4.9	7
213	An integrated approach to quantifying uncertainties in the remaining carbon budget. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	11
212	Effective radiative forcing and adjustments in CMIP6 models 2020 ,		3

211	Energy budget constraints on historical radiative forcing. <i>Nature Climate Change</i> , 2020 , 10, 313-316	21.4	9
210	A topography of climate change research. <i>Nature Climate Change</i> , 2020 , 10, 118-123	21.4	52
209	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
208	Tropospheric ozone radiative forcing uncertainty due to pre-industrial fire and biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10937-10951	6.8	6
207	Effective radiative forcing and adjustments in CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9591-9618	6.8	66
206	Radiative forcing of climate change from the Copernicus reanalysis of atmospheric composition. <i>Earth System Science Data</i> , 2020 , 12, 1649-1677	10.5	8
205	Global Carbon Budget 2020. <i>Earth System Science Data</i> , 2020 , 12, 3269-3340	10.5	533
204	Sensitivity of Historical Climate Simulations to Uncertain Aerosol Forcing. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085806	4.9	15
203	New Generation of Climate Models Track Recent Unprecedented Changes in Earth's Radiation Budget Observed by CERES. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086705	4.9	14
202	Observational constraints on the effective climate sensitivity from the historical period. <i>Environmental Research Letters</i> , 2020 , 15, 034043	6.2	10
201	Quantifying forest growth uncertainty on carbon payback times in a simple biomass carbon model. <i>Environmental Research Communications</i> , 2020 , 2, 045001	3.1	3
200	Bounding Global Aerosol Radiative Forcing of Climate Change. <i>Reviews of Geophysics</i> , 2020 , 58, e2019RG000665	20.6	105
199	An Assessment of Earth's Climate Sensitivity Using Multiple Lines of Evidence. <i>Reviews of Geophysics</i> , 2020 , 58, e2019RG000678	23.1	209
198	Opportunities and challenges in using remaining carbon budgets to guide climate policy. <i>Nature Geoscience</i> , 2020 , 13, 769-779	18.3	18
197	Current and future global climate impacts resulting from COVID-19. <i>Nature Climate Change</i> , 2020 , 10, 913-919	21.4	201
196	Large Variations in Volcanic Aerosol Forcing Efficiency Due to Eruption Source Parameters and Rapid Adjustments. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090241	4.9	4
195	Arctic Amplification Response to Individual Climate Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 6698-6717	4.4	21
194	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

193	Climate sensitivity: how much warming results from increases in atmospheric carbon dioxide (CO ₂)?. <i>Weather</i> , 2019 , 74, 134-134	0.9	1
192	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. <i>Npj Climate and Atmospheric Science</i> , 2019 , 2,	8	9
191	Estimating and tracking the remaining carbon budget for stringent climate targets. <i>Nature</i> , 2019 , 571, 335-342	50.4	136
190	Impact of El Niño/Southern Oscillation on the interannual variability of methane and tropospheric ozone. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8669-8686	6.8	20
189	Guidance on emissions metrics for nationally determined contributions under the Paris Agreement. <i>Environmental Research Letters</i> , 2019 , 14, 124002	6.2	11
188	Efficacy of Climate Forcings in PDRMIP Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12824-12844	4.4	34
187	Water vapour adjustments and responses differ between climate drivers. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12887-12899	6.8	18
186	Intensification of summer precipitation with shorter time-scales in Europe. <i>Environmental Research Letters</i> , 2019 , 14, 124050	6.2	16
185	Current fossil fuel infrastructure does not yet commit us to 1.5 °C warming. <i>Nature Communications</i> , 2019 , 10, 101	17.4	75
184	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
183	Climate Impacts From a Removal of Anthropogenic Aerosol Emissions. <i>Geophysical Research Letters</i> , 2018 , 45, 1020-1029	4.9	94
182	Impact on short-lived climate forcers increases projected warming due to deforestation. <i>Nature Communications</i> , 2018 , 9, 157	17.4	54
181	Carbon dioxide physiological forcing dominates projected Eastern Amazonian drying. <i>Geophysical Research Letters</i> , 2018 , 45, 2815-2825	4.9	26
180	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,	3	47
179	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	21
178	Reply to Interpretations of the Paris climate target. <i>Nature Geoscience</i> , 2018 , 11, 222-222	18.3	6
177	Accounting for Changing Temperature Patterns Increases Historical Estimates of Climate Sensitivity. <i>Geophysical Research Letters</i> , 2018 , 45, 8490-8499	4.9	66
176	Homing in on a key factor of climate change. <i>Nature</i> , 2018 , 553, 288-289	50.4	

175	An Estimate of Equilibrium Climate Sensitivity From Interannual Variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 8634-8645	4.4	27
174	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 8439-8452	6.8	31
173	Drivers of Precipitation Change: An Energetic Understanding. <i>Journal of Climate</i> , 2018 , 31, 9641-9657	4.4	37
172	Understanding Rapid Adjustments to Diverse Forcing Agents. <i>Geophysical Research Letters</i> , 2018 , 45, 12023-12031	4.9	73
171	Volcanic Radiative Forcing From 1979 to 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12491-12508	4.4	50
170	Quantifying the Importance of Rapid Adjustments for Global Precipitation Changes. <i>Geophysical Research Letters</i> , 2018 , 45, 11399-11405	4.9	17
169	FAIR v1.3: a simple emissions-based impulse response and carbon cycle model. <i>Geoscientific Model Development</i> , 2018 , 11, 2273-2297	6.3	75
168	Sensible heat has significantly affected the global hydrological cycle over the historical period. <i>Nature Communications</i> , 2018 , 9, 1922	17.4	26
167	Reduced migration under climate change: evidence from Malawi using an aspirations and capabilities framework. <i>Climate and Development</i> , 2017 , 9, 298-312	4.4	22
166	Estimating Carbon Budgets for Ambitious Climate Targets. <i>Current Climate Change Reports</i> , 2017 , 3, 69-77		36
165	Impacts of Stratospheric Sulfate Geoengineering on Global Solar Photovoltaic and Concentrating Solar Power Resource. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 1483-1497	2.7	4
164	In Retrospect: Half a century of robust climate models. <i>Nature</i> , 2017 , 545, 296-297	50.4	3
163	Impact on short-lived climate forcers (SLCFs) from a realistic land-use change scenario via changes in biogenic emissions. <i>Faraday Discussions</i> , 2017 , 200, 101-120	3.6	5
162	Adaptation planning and the use of climate change projections in local government in England and Germany. <i>Regional Environmental Change</i> , 2017 , 17, 425-435	4.3	39
161	Heating with Biomass in the United Kingdom: Lessons from New Zealand. <i>Atmospheric Environment</i> , 2017 , 152, 431-454	5.3	4
160	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
159	Emission budgets and pathways consistent with limiting warming to 1.5 °C. <i>Nature Geoscience</i> , 2017 , 10, 741-747	18.3	320
158	Halfway to doubling of CO2 radiative forcing. <i>Nature Geoscience</i> , 2017 , 10, 710-711	18.3	8

157	Slow and fast responses of mean and extreme precipitation to different forcing in CMIP5 simulations. <i>Geophysical Research Letters</i> , 2017 , 44, 6383-6390	4.9	22
156	A real-time Global Warming Index. <i>Scientific Reports</i> , 2017 , 7, 15417	4.9	101
155	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
154	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> , 2017 , 17, 2709-2720	6.8	55
153	Determination of the atmospheric lifetime and global warming potential of sulfur hexafluoride using a three-dimensional model. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 883-898	6.8	30
152	Half a degree additional warming, prognosis and projected impacts (HAPPI): background and experimental design. <i>Geoscientific Model Development</i> , 2017 , 10, 571-583	6.3	162
151	Multi-model simulations of aerosol and ozone radiative forcing for the period 1990–2015 2016 ,		1
150	An intensified hydrological cycle in the simulation of geoengineering by cirrus cloud thinning using ice crystal fall speed changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 6822-6840	4.4	13
149	Atmospheric lifetimes, infrared absorption spectra, radiative forcings and global warming potentials of NF ₃ and CF ₃ CF ₂ Cl (CFC-115). <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11451-11463	6.8	13
148	The impact of residential combustion emissions on atmospheric aerosol, human health, and climate. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 873-905	6.8	91
147	An assessment of precipitation adjustment and feedback computation methods. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 11,608-11,619	4.4	7
146	Impact of Aviation on Climate: FAA's Aviation Climate Change Research Initiative (ACCRI) Phase II. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 561-583	6.1	62
145	Small global-mean cooling due to volcanic radiative forcing. <i>Climate Dynamics</i> , 2016 , 47, 3979-3991	4.2	37
144	An all-sky radiative transfer method to predict optimal tilt and azimuth angle of a solar collector. <i>Solar Energy</i> , 2016 , 123, 88-101	6.8	20
143	Selective environmental stress from sulphur emitted by continental flood basalt eruptions. <i>Nature Geoscience</i> , 2016 , 9, 77-82	18.3	82
142	The Radiative Forcing Model Intercomparison Project (RFMIP): experimental protocol for CMIP6. <i>Geoscientific Model Development</i> , 2016 , 9, 3447-3460	6.3	120
141	The Radiative Forcing Model Intercomparison Project (RFMIP): Experimental Protocol for CMIP6 2016 ,		9
140	Understanding the Rapid Precipitation Response to CO ₂ and Aerosol Forcing on a Regional Scale*. <i>Journal of Climate</i> , 2016 , 29, 583-594	4.4	54

139	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
138	The impact of European legislative and technology measures to reduce air pollutants on air quality, human health and climate. <i>Environmental Research Letters</i> , 2016 , 11, 024010	6.2	30
137	Local biomass burning is a dominant cause of the observed precipitation reduction in southern Africa. <i>Nature Communications</i> , 2016 , 7, 11236	17.4	51
136	Can increasing albedo of existing ship wakes reduce climate change?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 1549-1558	4.4	9
135	Inference of Climate Sensitivity from Analysis of Earth's Energy Budget. <i>Annual Review of Earth and Planetary Sciences</i> , 2016 , 44, 85-106	15.3	84
134	New use of global warming potentials to compare cumulative and short-lived climate pollutants. <i>Nature Climate Change</i> , 2016 , 6, 773-776	21.4	104
133	Recommendations for diagnosing effective radiative forcing from climate models for CMIP6. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 12,460-12,475	4.4	122
132	Declining uncertainty in transient climate response as CO2 forcing dominates future climate change. <i>Nature Geoscience</i> , 2015 , 8, 181-185	18.3	29
131	Chemistry and the Linkages between Air Quality and Climate Change. <i>Chemical Reviews</i> , 2015 , 115, 3856-3871	6.7	205
130	Model structure in observational constraints on transient climate response. <i>Climatic Change</i> , 2015 , 131, 199-211	4.5	33
129	Evaluation of In Situ Rainwater Harvesting as an Adaptation Strategy to Climate Change for Maize Production in Rainfed Africa. <i>Water Resources Management</i> , 2015 , 29, 4803-4816	3.7	28
128	Using a migration systems approach to understand the link between climate change and urbanisation in Malawi. <i>Applied Geography</i> , 2015 , 63, 244-252	4.4	19
127	The communication of physical science uncertainty in European National Adaptation Strategies. <i>Climatic Change</i> , 2015 , 132, 143-155	4.5	14
126	A comparison of temperature and precipitation responses to different Earth radiation management geoengineering schemes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 9352-9373	4.4	36
125	Tailoring the visual communication of climate projections for local adaptation practitioners in Germany and the UK. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015 , 373,	3	29
124	Modelled and observed changes in aerosols and surface solar radiation over Europe between 1960 and 2009. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 9477-9500	6.8	51
123	Impact of gas-to-particle partitioning approaches on the simulated radiative effects of biogenic secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12989-13001	6.8	28
122	Satellite constraint on the tropospheric ozone radiative effect. <i>Geophysical Research Letters</i> , 2015 , 42, 5074-5081	4.9	22

121	Assessing the controllability of Arctic sea ice extent by sulfate aerosol geoengineering. <i>Geophysical Research Letters</i> , 2015 , 42, 1223-1231	4.9	24
120	Adjustments in the Forcing-Feedback Framework for Understanding Climate Change. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 217-228	6.1	198
119	Forcing, feedback and internal variability in global temperature trends. <i>Nature</i> , 2015 , 517, 565-70	50.4	128
118	Rethinking climate engineering categorization in the context of climate change mitigation and adaptation. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014 , 5, 23-35	8.4	54
117	Comparison of surface albedo feedback in climate models and observations. <i>Geophysical Research Letters</i> , 2014 , 41, 1717-1723	4.9	21
116	Characteristics of biochars from crop residues: potential for carbon sequestration and soil amendment. <i>Journal of Environmental Management</i> , 2014 , 146, 189-197	7.9	187
115	Quantifying components of aerosol-cloud-radiation interactions in climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 7599-7615	4.4	98
114	Global analysis of photovoltaic energy output enhanced by phase change material cooling. <i>Applied Energy</i> , 2014 , 126, 21-28	10.7	138
113	The direct and indirect radiative effects of biogenic secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 447-470	6.8	146
112	Decline of Arctic sea ice: Evaluation and weighting of CMIP5 projections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 546-554	4.4	31
111	Large contribution of natural aerosols to uncertainty in indirect forcing. <i>Nature</i> , 2013 , 503, 67-71	50.4	614
110	An overview of the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 13,103-13,107	4.4	40
109	An observationally based constraint on the water-vapor feedback. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 12,435-12,443	4.4	20
108	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	4.4	3330
107	Energy budget constraints on climate response. <i>Nature Geoscience</i> , 2013 , 6, 415-416	18.3	228
106	Intercomparison of the capabilities of simplified climate models to project the effects of aviation CO ₂ on climate. <i>Atmospheric Environment</i> , 2013 , 75, 321-328	5.3	10
105	Contributions of Different Cloud Types to Feedbacks and Rapid Adjustments in CMIP5*. <i>Journal of Climate</i> , 2013 , 26, 5007-5027	4.4	209
104	The inclusion of water with the injected aerosol reduces the simulated effectiveness of marine cloud brightening. <i>Atmospheric Science Letters</i> , 2013 , 14, 164-169	2.4	6

103	Sea spray geoengineering experiments in the geoengineering model intercomparison project (GeoMIP): Experimental design and preliminary results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11,175-11,186	4.4	29
102	Reduced efficacy of marine cloud brightening geoengineering due to in-plume aerosol coagulation: parameterization and global implications. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 10385-10396	6.8	16
101	The effects of timing and rate of marine cloud brightening aerosol injection on albedo changes during the diurnal cycle of marine stratocumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 1659-1673	6.8	12
100	Natural aerosol direct and indirect radiative effects. <i>Geophysical Research Letters</i> , 2013 , 40, 3297-3301	4.9	127
99	Evaluating adjusted forcing and model spread for historical and future scenarios in the CMIP5 generation of climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1139-1150	4.4	264
98	Extending water vapor trend observations over Boulder into the tropopause region: Trend uncertainties and resulting radiative forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11269-11284	4.4	24
97	Climate impact of stratospheric ozone recovery. <i>Geophysical Research Letters</i> , 2013 , 40, 2796-2800	4.9	24
96	Modeled rapid adjustments in diurnal temperature range response to CO ₂ and solar forcings. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 2229-2240	4.4	5
95	An energetic perspective on hydrological cycle changes in the Geoengineering Model Intercomparison Project. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 13,087-13,102	4.4	53
94	Horizontal transport affecting trace gas seasonality in the Tropical Tropopause Layer (TTL). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		72
93	Impact of uncertainties in atmospheric mixing on simulated UTLS composition and related radiative effects. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		204
92	Cloud Adjustment and its Role in CO ₂ Radiative Forcing and Climate Sensitivity: A Review. <i>Surveys in Geophysics</i> , 2012 , 33, 619-635	7.6	49
91	The socioeconomics of food crop production and climate change vulnerability: a global scale quantitative analysis of how grain crops are sensitive to drought. <i>Food Security</i> , 2012 , 4, 163-179	6.7	63
90	Importance of tropospheric volcanic aerosol for indirect radiative forcing of climate. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7321-7339	6.8	101
89	A methodology for in-situ and remote sensing of microphysical and radiative properties of contrails as they evolve into cirrus. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8157-8175	6.8	13
88	Changes in global-mean precipitation in response to warming, greenhouse gas forcing and black carbon. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	47
87	Evaluation of radiation scheme performance within chemistry climate models. <i>Journal of Geophysical Research</i> , 2011 , 116,		69
86	A balance between radiative forcing and climate feedback in the modeled 20th century temperature response. <i>Journal of Geophysical Research</i> , 2011 , 116,		14

85	Spatial Patterns of Modeled Climate Feedback and Contributions to Temperature Response and Polar Amplification. <i>Journal of Climate</i> , 2011 , 24, 3575-3592	4.4	87
84	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12109-12136	6.8	349
83	The annual cycle in lower stratospheric temperatures revisited. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 3701-3711	6.8	36
82	Global cloud condensation nuclei influenced by carbonaceous combustion aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 9067-9087	6.8	164
81	A regional and global analysis of carbon dioxide physiological forcing and its impact on climate. <i>Climate Dynamics</i> , 2011 , 36, 783-792	4.2	49
80	Climate change impacts on future photovoltaic and concentrated solar power energy output. <i>Energy and Environmental Science</i> , 2011 , 4, 3101	35.4	126
79	Cloud Adjustment and its Role in CO ₂ Radiative Forcing and Climate Sensitivity: A Review. <i>Space Sciences Series of ISSI</i> , 2011 , 287-303	0.1	
78	The transient response of global-mean precipitation to increasing carbon dioxide levels. <i>Environmental Research Letters</i> , 2010 , 5, 025212	6.2	40
77	An Empirical Study of Geographic and Seasonal Variations in Diurnal Temperature Range. <i>Journal of Climate</i> , 2010 , 23, 3205-3221	4.4	18
76	On the Accuracy of Deriving Climate Feedback Parameters from Correlations between Surface Temperature and Outgoing Radiation. <i>Journal of Climate</i> , 2010 , 23, 4983-4988	4.4	10
75	Aerosol climate feedback due to decadal increases in Southern Hemisphere wind speeds. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	59
74	Parameterization of contrails in the UK Met Office Climate Model. <i>Journal of Geophysical Research</i> , 2010 , 115,		51
73	Precipitation, radiative forcing and global temperature change. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	226
72	Estimating the climate impact of linear contrails using the UK Met Office climate model. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	25
71	Contrail Microphysics. <i>Bulletin of the American Meteorological Society</i> , 2010 , 91, 465-472	6.1	44
70	Issues and Uncertainties Affecting Metrics For Aviation Impacts on Climate. <i>Bulletin of the American Meteorological Society</i> , 2010 , 91, 491-496	6.1	19
69	A Surface Energy Perspective on Climate Change. <i>Journal of Climate</i> , 2009 , 22, 2557-2570	4.4	186
68	On the Role of Radiative Processes in Stratosphere-Troposphere Coupling. <i>Journal of Climate</i> , 2009 , 22, 4154-4161	4.4	21

67	Aviation and global climate change in the 21st century. <i>Atmospheric Environment</i> , 2009 , 43, 3520-3537	5.3	654
66	Typologies of crop-drought vulnerability: an empirical analysis of the socio-economic factors that influence the sensitivity and resilience to drought of three major food crops in China (1961-2001). <i>Environmental Science and Policy</i> , 2009 , 12, 438-452	6.2	142
65	Coupled chemistry climate model simulations of stratospheric temperatures and their trends for the recent past. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	26
64	An observationally based energy balance for the Earth since 1950. <i>Journal of Geophysical Research</i> , 2009 , 114,		159
63	A case study of the radiative forcing of persistent contrails evolving into contrail-induced cirrus. <i>Journal of Geophysical Research</i> , 2009 , 114,		52
62	Intercomparison of radiative forcing calculations of stratospheric water vapour and contrails. <i>Meteorologische Zeitschrift</i> , 2009 , 18, 585-596	3.1	50
61	CO2 forcing induces semi-direct effects with consequences for climate feedback interpretations. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	103
60	Transient climate response estimated from radiative forcing and observed temperature change. <i>Journal of Geophysical Research</i> , 2008 , 113,		152
59	Correlation between ferroelectric polarization and sense of helical spin order in multiferroic MnWO4. <i>Physical Review B</i> , 2008 , 77,	3.3	77
58	Potential climatic effects of meteoric smoke in the Earth's paleo-atmosphere. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	10
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