

Chris D Jones

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.

171
papers

24,712
citations

71
h-index

157
g-index

208
ext. papers

28,715
ext. citations

8.5
avg, IF

6.56
L-index

#	Paper	IF	Citations
171	How close are we to 1.5 deg C or 2 deg C of global warming?. <i>Weather</i> , 2022 , 77, 147-148	0.9	
170	Multi-century dynamics of the climate and carbon cycle under both high and net negative emissions scenarios. <i>Earth System Dynamics</i> , 2022 , 13, 885-909	4.8	0
169	JULES-CN: a coupled terrestrial carbon-nitrogen scheme (JULES vn5.1). <i>Geoscientific Model Development</i> , 2021 , 14, 2161-2186	6.3	9
168	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
167	Compatible Fossil Fuel CO2 Emissions in the CMIP6 Earth System Models—Historical and Shared Socioeconomic Pathway Experiments of the Twenty-First Century. <i>Journal of Climate</i> , 2021 , 34, 2853-2875	4.4	6
166	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
165	Methane removal and the proportional reductions in surface temperature and ozone. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20210104	3	9
164	Atmospheric methane removal: a research agenda. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200454	3	10
163	Numerical modeling of the global climate and carbon cycle system 2021 , 67-91		
162	Moving toward Net-Zero Emissions Requires New Alliances for Carbon Dioxide Removal. <i>One Earth</i> , 2020 , 3, 145-149	8.1	24
161	Implementation of U.K. Earth System Models for CMIP6. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001946	7.1	38
160	So What Is in an Earth System Model?. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001963	7.1	38
159	El Niño Driven Changes in Global Fire 2015/16. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	7
158	Is there warming in the pipeline? A multi-model analysis of the Zero Emissions Commitment from CO ₂ . <i>Biogeosciences</i> , 2020 , 17, 2987-3016	4.6	32
157	The costs of achieving climate targets and the sources of uncertainty. <i>Nature Climate Change</i> , 2020 , 10, 329-334	21.4	26
156	Carbon concentration and carbon-climate feedbacks in CMIP6 models and their comparison to CMIP5 models. <i>Biogeosciences</i> , 2020 , 17, 4173-4222	4.6	105
155	Nitrogen cycling in CMIP6 land surface models: progress and limitations. <i>Biogeosciences</i> , 2020 , 17, 5129-5148	4.1	21

154	Robust Ecosystem Demography (RED version 1.0): a parsimonious approach to modelling vegetation dynamics in Earth system models. <i>Geoscientific Model Development</i> , 2020 , 13, 4067-4089	6.3	7
153	Quantifying process-level uncertainty contributions to TCRE and carbon budgets for meeting Paris Agreement climate targets. <i>Environmental Research Letters</i> , 2020 , 15, 074019	6.2	11
152	Soil carbon sequestration simulated in CMIP6-LUMIP models: implications for climatic mitigation. <i>Environmental Research Letters</i> , 2020 , 15, 124061	6.2	12
151	Opportunities and challenges in using remaining carbon budgets to guide climate policy. <i>Nature Geoscience</i> , 2020 , 13, 769-779	18.3	18
150	Current and future global climate impacts resulting from COVID-19. <i>Nature Climate Change</i> , 2020 , 10, 913-919	21.4	201
149	ENSO and the Carbon Cycle. <i>Geophysical Monograph Series</i> , 2020 , 453-470	1.1	5
148	Representation of fire, land-use change and vegetation dynamics in the Joint UK Land Environment Simulator vn4.9 (JULES). <i>Geoscientific Model Development</i> , 2019 , 12, 179-193	6.3	19
147	UKESM1: Description and Evaluation of the U.K. Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 4513-4558	7.1	213
146	The Zero Emissions Commitment Model Intercomparison Project (ZECMIP) contribution to C4MIP: quantifying committed climate changes following zero carbon emissions. <i>Geoscientific Model Development</i> , 2019 , 12, 4375-4385	6.3	24
145	Taking climate model evaluation to the next level. <i>Nature Climate Change</i> , 2019 , 9, 102-110	21.4	200
144	Will Fire Danger Be Reduced by Using Solar Radiation Management to Limit Global Warming to 1.5°C Compared to 2.0°C?. <i>Geophysical Research Letters</i> , 2018 , 45, 3644-3652	4.9	11
143	CO ₂ loss by permafrost thawing implies additional emissions reductions to limit warming to 1.5 or 2 °C. <i>Environmental Research Letters</i> , 2018 , 13, 024024	6.2	20
142	Can reducing black carbon and methane below RCP2.6 levels keep global warming below 1.5 °C?. <i>Atmospheric Science Letters</i> , 2018 , 19, e821	2.4	9
141	Vegetation distribution and terrestrial carbon cycle in a carbon cycle configuration of JULES4.6 with new plant functional types. <i>Geoscientific Model Development</i> , 2018 , 11, 2857-2873	6.3	31
140	Vegetation distribution and terrestrial carbon cycle in a carbon-cycle configuration of JULES4.6 with new plant functional types 2018 ,		1
139	Uncertainty Quantification of Extratropical Forest Biomass in CMIP5 Models over the Northern Hemisphere. <i>Scientific Reports</i> , 2018 , 8, 10962	4.9	2
138	Global Carbon Budget 2018. <i>Earth System Science Data</i> , 2018 , 10, 2141-2194	10.5	831
137	Models meet data: Challenges and opportunities in implementing land management in Earth system models. <i>Global Change Biology</i> , 2018 , 24, 1470-1487	11.4	63

136	A successful prediction of the record CO ₂ rise associated with the 2015/2016 El Niño. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	18
135	A Large Committed Long-Term Sink of Carbon due to Vegetation Dynamics. <i>Earths Future</i> , 2018 , 6, 1413-1432	7.4	15
134	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. <i>Nature Climate Change</i> , 2018 , 8, 907-913	21.4	105
133	The Carbon Dioxide Removal Model Intercomparison Project (CDRMIP): rationale and experimental protocol for CMIP6. <i>Geoscientific Model Development</i> , 2018 , 11, 1133-1160	6.3	48
132	Narrowing the Range of Future Climate Projections Using Historical Observations of Atmospheric CO ₂ . <i>Journal of Climate</i> , 2017 , 30, 3039-3053	4.4	15
131	Global wetland contribution to 2000-2012 atmospheric methane growth rate dynamics. <i>Environmental Research Letters</i> , 2017 , 12, 094013	6.2	97
130	Assessing the impacts of 1.5 °C global warming simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b). <i>Geoscientific Model Development</i> , 2017 , 10, 4321-4345	6.3	240
129	The Carbon Dioxide Removal Model Intercomparison Project (CDR-MIP): Rationale and experimental design 2017 ,		7
128	Effective radiative forcing from historical land use change. <i>Climate Dynamics</i> , 2017 , 48, 3489-3505	4.2	25
127	Land management: data availability and process understanding for global change studies. <i>Global Change Biology</i> , 2017 , 23, 512-533	11.4	99
126	C4MIP The Coupled Climate-Carbon Cycle Model Intercomparison Project: experimental protocol for CMIP6. <i>Geoscientific Model Development</i> , 2016 , 9, 2853-2880	6.3	123
125	The Land Use Model Intercomparison Project (LUMIP): Rationale and experimental design 2016 ,		8
124	The C4MIP experimental protocol for CMIP6 2016 ,		4
123	Sources of Uncertainty in Future Projections of the Carbon Cycle. <i>Journal of Climate</i> , 2016 , 29, 7203-7213	11.4	15
122	Poorest countries experience earlier anthropogenic emergence of daily temperature extremes. <i>Environmental Research Letters</i> , 2016 , 11, 055007	6.2	77
121	Toward more realistic projections of soil carbon dynamics by Earth system models. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 40-56	5.9	251
120	Biophysical and economic limits to negative CO ₂ emissions. <i>Nature Climate Change</i> , 2016 , 6, 42-50	21.4	684
119	The Land Use Model Intercomparison Project (LUMIP) contribution to CMIP6: rationale and experimental design. <i>Geoscientific Model Development</i> , 2016 , 9, 2973-2998	6.3	221

118	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information 2016 ,		2
117	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information. <i>Geoscientific Model Development</i> , 2016 , 9, 2415-2440	6.3	79
116	Assessing the impacts of 1.5 °C global warming simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b) 2016 ,		10
115	Research priorities for negative emissions. <i>Environmental Research Letters</i> , 2016 , 11, 115007	6.2	95
114	Simulating the Earth system response to negative emissions. <i>Environmental Research Letters</i> , 2016 , 11, 095012	6.2	69
113	Negative emissions physically needed to keep global warming below 2 °C. <i>Nature Communications</i> , 2015 , 6, 7958	17.4	185
112	Spatiotemporal patterns of terrestrial gross primary production: A review. <i>Reviews of Geophysics</i> , 2015 , 53, 785-818	23.1	297
111	Quantifying the relative importance of land cover change from climate and land use in the representative concentration pathways. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 842-853	5.9	32
110	The mechanisms of North Atlantic CO ₂ uptake in a large Earth System Model ensemble. <i>Biogeosciences</i> , 2015 , 12, 4497-4508	4.6	13
109	Controls on terrestrial carbon feedbacks by productivity versus turnover in the CMIP5 Earth System Models. <i>Biogeosciences</i> , 2015 , 12, 5211-5228	4.6	58
108	Nitrogen Availability Reduces CMIP5 Projections of Twenty-First-Century Land Carbon Uptake*. <i>Journal of Climate</i> , 2015 , 28, 2494-2511	4.4	65
107	Sensitivity of a coupled climate model to canopy interception capacity. <i>Climate Dynamics</i> , 2014 , 42, 1715-1732	4.7	23
106	Uncertainties in CMIP5 Climate Projections due to Carbon Cycle Feedbacks. <i>Journal of Climate</i> , 2014 , 27, 511-526	4.4	694
105	Climatic Impacts of Land-Use Change due to Crop Yield Increases and a Universal Carbon Tax from a Scenario Model*. <i>Journal of Climate</i> , 2014 , 27, 1413-1424	4.4	17
104	Causes and implications of persistent atmospheric carbon dioxide biases in Earth System Models. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 141-162	3.7	102
103	Changes in soil organic carbon storage predicted by Earth system models during the 21st century. <i>Biogeosciences</i> , 2014 , 11, 2341-2356	4.6	201
102	Nonlinearity of Ocean Carbon Cycle Feedbacks in CMIP5 Earth System Models. <i>Journal of Climate</i> , 2014 , 27, 3869-3888	4.4	49
101	Full effects of land use change in the representative concentration pathways. <i>Environmental Research Letters</i> , 2014 , 9, 114014	6.2	29

100	A retrospective analysis of pan Arctic permafrost using the JULES land surface model. <i>Climate Dynamics</i> , 2013 , 41, 1025-1038	4.2	32
99	Sensitivity of tropical carbon to climate change constrained by carbon dioxide variability. <i>Nature</i> , 2013 , 494, 341-4	50.4	484
98	Effect of Anthropogenic Land-Use and Land-Cover Changes on Climate and Land Carbon Storage in CMIP5 Projections for the Twenty-First Century. <i>Journal of Climate</i> , 2013 , 26, 6859-6881	4.4	273
97	CO2 Emissions Determined by HadGEM2-ES to be Compatible with the Representative Concentration Pathway Scenarios and Their Extensions. <i>Journal of Climate</i> , 2013 , 26, 4381-4397	4.4	10
96	Simulated resilience of tropical rainforests to CO2-induced climate change. <i>Nature Geoscience</i> , 2013 , 6, 268-273	18.3	293
95	Estimating the Permafrost-Carbon Climate Response in the CMIP5 Climate Models Using a Simplified Approach. <i>Journal of Climate</i> , 2013 , 26, 4897-4909	4.4	51
94	Carbon Concentration and Carbon Climate Feedbacks in CMIP5 Earth System Models. <i>Journal of Climate</i> , 2013 , 26, 5289-5314	4.4	493
93	Twenty-First-Century Compatible CO2 Emissions and Airborne Fraction Simulated by CMIP5 Earth System Models under Four Representative Concentration Pathways. <i>Journal of Climate</i> , 2013 , 26, 4398-4413	4.4	213
92	Comparing Tropical Forest Projections from Two Generations of Hadley Centre Earth System Models, HadGEM2-ES and HadCM3LC. <i>Journal of Climate</i> , 2013 , 26, 495-511	4.4	71
91	Carbon dioxide and climate impulse response functions for the computation of greenhouse gas metrics: a multi-model analysis. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 2793-2825	6.8	373
90	Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. <i>Biogeosciences</i> , 2013 , 10, 8305-8328	4.6	10
89	Sensitivity of biogenic isoprene emissions to past, present, and future environmental conditions and implications for atmospheric chemistry. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		53
88	A framework for benchmarking land models. <i>Biogeosciences</i> , 2012 , 9, 3857-3874	4.6	238
87	Role of vegetation change in future climate under the A1B scenario and a climate stabilisation scenario, using the HadCM3C Earth system model. <i>Biogeosciences</i> , 2012 , 9, 4739-4756	4.6	21
86	High sensitivity of future global warming to land carbon cycle processes. <i>Environmental Research Letters</i> , 2012 , 7, 024002	6.2	185
85	Reversibility in an Earth System model in response to CO2 concentration changes. <i>Environmental Research Letters</i> , 2012 , 7, 024013	6.2	62
84	Uncertainties in the global temperature change caused by carbon release from permafrost thawing. <i>Cryosphere</i> , 2012 , 6, 1063-1076	5.5	83
83	Quantifying Environmental Drivers of Future Tropical Forest Extent. <i>Journal of Climate</i> , 2011 , 24, 1337-1349	4.9	25

82	Direct soil moisture controls of future global soil carbon changes: An important source of uncertainty. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a	5.9	124
81	The HadGEM2-ES implementation of CMIP5 centennial simulations. <i>Geoscientific Model Development</i> , 2011 , 4, 543-570	6.3	662
80	Desert dust and anthropogenic aerosol interactions in the Community Climate System Model coupled-carbon-climate model. <i>Biogeosciences</i> , 2011 , 8, 387-414	4.6	38
79	Evaluation of a photosynthesis-based biogenic isoprene emission scheme in JULES and simulation of isoprene emissions under present-day climate conditions. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 4371-4389	6.8	91
78	When could global warming reach 4°C?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 67-84	3	125
77	Harmonization of land-use scenarios for the period 1500-100: 600 years of global gridded annual land-use transitions, wood harvest, and resulting secondary lands. <i>Climatic Change</i> , 2011 , 109, 117-161	4.5	883
76	The Joint UK Land Environment Simulator (JULES), model description [Part 2: Carbon fluxes and vegetation dynamics. <i>Geoscientific Model Development</i> , 2011 , 4, 701-722	6.3	631
75	The HadGEM2 family of Met Office Unified Model climate configurations. <i>Geoscientific Model Development</i> , 2011 , 4, 723-757	6.3	618
74	Development and evaluation of an Earth-System model [HadGEM2. <i>Geoscientific Model Development</i> , 2011 , 4, 1051-1075	6.3	902
73	Development and evaluation of an Earth-system model [HadGEM2 2011 ,		124
72	The Joint UK Land Environment Simulator (JULES), Model description [Part 2: Carbon fluxes and vegetation 2011 ,		32
71	The HadGEM2-ES implementation of CMIP5 centennial simulations 2011 ,		23
70	The HadGEM2 family of Met Office Unified Model Climate configurations 2011 ,		51
69	Role of terrestrial ecosystems in determining CO2 stabilization and recovery behaviour. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2010 , 62, 682-699	3.3	18
68	Seven years of recent European net terrestrial carbon dioxide exchange constrained by atmospheric observations. <i>Global Change Biology</i> , 2010 , 16, 1317-1337	11.4	182
67	IMOGEN: an intermediate complexity model to evaluate terrestrial impacts of a changing climate. <i>Geoscientific Model Development</i> , 2010 , 3, 679-687	6.3	34
66	IMOGEN: an intermediate complexity model to evaluate terrestrial impacts of a changing climate 2010 ,		2
65	Possible role of wetlands, permafrost, and methane hydrates in the methane cycle under future climate change: A review. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	157

64	Benchmarking coupled climate-carbon models against long-term atmospheric CO ₂ measurements. <i>Global Biogeochemical Cycles</i> , 2010 , 24, n/a-n/a	5.9	88
63	Quantifying Carbon Cycle Feedbacks. <i>Journal of Climate</i> , 2009 , 22, 5232-5250	4.4	186
62	How difficult is it to recover from dangerous levels of global warming?. <i>Environmental Research Letters</i> , 2009 , 4, 014012	6.2	82
61	Greening the terrestrial biosphere: simulated feedbacks on atmospheric heat and energy circulation. <i>Climate Dynamics</i> , 2009 , 32, 287-299	4.2	13
60	Past, present and future vegetation-cloud feedbacks in the Amazon Basin. <i>Climate Dynamics</i> , 2009 , 32, 741-751	4.2	17
59	Implications of delayed actions in addressing carbon dioxide emission reduction in the context of geo-engineering. <i>Climatic Change</i> , 2009 , 92, 261-273	4.5	18
58	The weather and climate of the tropics: Part 10 Tropical agriculture. <i>Weather</i> , 2009 , 64, 156-161	0.9	2
57	Warming caused by cumulative carbon emissions towards the trillionth tonne. <i>Nature</i> , 2009 , 458, 1163-650.4	95.4	955
56	Committed terrestrial ecosystem changes due to climate change. <i>Nature Geoscience</i> , 2009 , 2, 484-487	18.3	120
55	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009 , 61, 355-360	3.3	73
54	Committed ecosystem change due to climate change. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009 , 6, 062017	0.3	
53	Carbon Sequestration and Greenhouse Gas Fluxes from Cropland Soils Climate Opportunities and Threats. <i>Environmental Science and Engineering</i> , 2009 , 81-111	0.2	4
52	Sources of uncertainty in global modelling of future soil organic carbon storage. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009 , 283-315	0.3	14
51	Increasing risk of Amazonian drought due to decreasing aerosol pollution. <i>Nature</i> , 2008 , 453, 212-5	50.4	285
50	Simulated glacial and interglacial vegetation across Africa: implications for species phylogenies and trans-African migration of plants and animals. <i>Global Change Biology</i> , 2008 , 14, 827-840	11.4	71
49	Evaluation of the terrestrial carbon cycle, future plant geography and climate-carbon cycle feedbacks using five Dynamic Global Vegetation Models (DGVMs). <i>Global Change Biology</i> , 2008 , 14, 2015-2039	11.4	955
48	Climate change. Illuminating the modern dance of climate and CO ₂ . <i>Science</i> , 2008 , 321, 1642-4	33.3	73
47	What do recent advances in quantifying climate and carbon cycle uncertainties mean for climate policy?. <i>Environmental Research Letters</i> , 2008 , 3, 044002	6.2	11

46	Long-Term Climate Commitments Projected with ClimateCarbon Cycle Models. <i>Journal of Climate</i> , 2008 , 21, 2721-2751	4.4	197
45	Water recycling by Amazonian vegetation: coupled versus uncoupled vegetation-climate interactions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 1865-71	5.8	13
44	Towards quantifying uncertainty in predictions of Amazon 'dieback'. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 1857-64	5.8	130
43	Competing roles of rising CO ₂ and climate change in the contemporary European carbon balance. <i>Biogeosciences</i> , 2008 , 5, 1-10	4.6	28
42	Observed climate change constrains the likelihood of extreme future global warming. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008 , 60, 76-81	3.3	10
41	Consequences of the evolution of C4 photosynthesis for surface energy and water exchange. <i>Journal of Geophysical Research</i> , 2007 , 112,		8
40	Projected increase in continental runoff due to plant responses to increasing carbon dioxide. <i>Nature</i> , 2007 , 448, 1037-41	50.4	486
39	Climate change and its impact on soil and vegetation carbon storage in Kenya, Jordan, India and Brazil. <i>Agriculture, Ecosystems and Environment</i> , 2007 , 122, 114-124	5.7	52
38	Environment. Tropical forests and climate policy. <i>Science</i> , 2007 , 316, 985-6	33.3	327
37	Climate-carbon cycle feedbacks under stabilization: uncertainty and observational constraints. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2006 , 58, 603-613	3.3	48
36	On the significance of atmospheric CO ₂ growth rate anomalies in 2002-2003. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	53
35	Global climate change and soil carbon stocks; predictions from two contrasting models for the turnover of organic carbon in soil. <i>Global Change Biology</i> , 2005 , 11, 154-166	11.4	278
34	Strong present-day aerosol cooling implies a hot future. <i>Nature</i> , 2005 , 435, 1187-90	50.4	451
33	Systematic optimisation and climate simulation of FAMOUS, a fast version of HadCM3. <i>Climate Dynamics</i> , 2005 , 25, 189-204	4.2	75
32	Contrasting simulated past and future responses of the Amazonian forest to atmospheric change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 539-47	5.8	71
31	Amazonian forest dieback under climate-carbon cycle projections for the 21st century. <i>Theoretical and Applied Climatology</i> , 2004 , 78, 137	3	527
30	The role of ecosystem-atmosphere interactions in simulated Amazonian precipitation decrease and forest dieback under global climate warming. <i>Theoretical and Applied Climatology</i> , 2004 , 78, 157	3	313
29	A Fast Ocean GCM without Flux Adjustments. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003 , 20, 1857-1868	2	27

28	Uncertainty in climate-carbon-cycle projections associated with the sensitivity of soil respiration to temperature. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003 , 55, 642-648	3.3	15
27	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003 , 55, 642-648	3.3	117
26	Strong carbon cycle feedbacks in a climate model with interactive CO ₂ and sulphate aerosols. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	79
25	Effect of Climate Change on Isoprene Emissions and Surface Ozone Levels. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	158
24	Modelling vegetation and the carbon cycle as interactive elements of the climate system. <i>International Geophysics</i> , 2002 , 259-279		29
23	The Carbon Cycle Response to ENSO: A Coupled Climate-Carbon Cycle Model Study. <i>Journal of Climate</i> , 2001 , 14, 4113-4129	4.4	132
22	Constraints on the temperature sensitivity of global soil respiration from the observed interannual variability in atmospheric CO ₂ . <i>Atmospheric Science Letters</i> , 2001 , 2, 114-124	2.4	288
21	Modeling the volcanic signal in the atmospheric CO ₂ record. <i>Global Biogeochemical Cycles</i> , 2001 , 15, 453-465	3.5	102
20	Acceleration of global warming due to carbon-cycle feedbacks in a coupled climate model. <i>Nature</i> , 2000 , 408, 184-7	50.4	2890
19	A latent heat nudging scheme for the assimilation of precipitation data into an operational mesoscale model. <i>Meteorological Applications</i> , 1997 , 4, 269-277	2.1	122
18	A perspective for advancing climate prediction services in Brazil. <i>Climate Resilience and Sustainability</i> ,		0
17	The climate science for service partnership Brazil. <i>Climate Resilience and Sustainability</i> ,		
16	Evaluation of a photosynthesis-based biogenic isoprene emission scheme in JULES and simulation of isoprene emissions under modern climate conditions		2
15	Carbon-concentration and carbon-climate feedbacks in CMIP6 models, and their comparison to CMIP5 models		5
14	Is there warming in the pipeline? A multi-model analysis of the zero emission commitment from CO ₂		
13	The mechanisms of North Atlantic CO ₂ uptake in a large Earth System Model ensemble		1
12	Controls on terrestrial carbon feedbacks by productivity vs. turnover in the CMIP5 Earth System Models		9
11	Desert dust and anthropogenic aerosol interactions in the Community Climate System Model coupled-carbon-climate model		3

10	A framework of benchmarking land models	8
9	Role of vegetation change in future climate under the A1B scenario and a climate stabilisation scenario, using the HadCM3C earth system model	4
8	Global Carbon Budget 2018	4
7	Supplementary material to "Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information"	3
6	JULES-CN: a coupled terrestrial Carbon-Nitrogen Scheme (JULES vn5.1)	8
5	Uncertainties in the global temperature change caused by carbon release from permafrost thawing	7
4	An alert system for Seasonal Fire probability forecast for South American Protected Areas. <i>Climate Resilience and Sustainability,</i>	3
3	Evaluation of biospheric components in Earth system models using modern and palaeo observations: the state-of-the-art	1
2	23rd Century surprises: Long-term dynamics of the climate and carbon cycle under both high and net negative emissions scenarios	4
1	South American fires and their impacts on ecosystems increase with continued emissions. <i>Climate Resilience and Sustainability,</i>	6