Peter Cox

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.

170 papers	29,097 citations	72 h-index	170 g-index
204 ext. papers	32,761 ext. citations	11.8 avg, IF	6.75 L-index

#	Paper	IF	Citations
170	Earth System Dynamics in the Anthropocene (2004). *The Anthropocene: Politik - Economics - Society - Science*, **2021**, 75-101	0.3	
169	JULES-CN: a coupled terrestrial carbon‐nitrogen scheme (JULES vn5.1). *Geoscientific Model Development*, **2021**, 14, 2161-2186	6.3	9
168	Overshooting tipping‐point thresholds in a changing climate. *Nature*, **2021**, 592, 517-523	50.4	17
167	Emergent constraints on climate sensitivities. *Reviews of Modern Physics*, **2021**, 93,	40.5	8
166	Regional variation in the effectiveness of methane-based and land-based climate mitigation options. *Earth System Dynamics*, **2021**, 12, 513-544	4.8	3
165	Validation of demographic equilibrium theory against tree-size distributions and biomass density in Amazonia. *Biogeosciences*, **2020**, 17, 1013-1032	4.6	2
164	The impact of a simple representation of non-structural carbohydrates on the simulated response of tropical forests to drought. *Biogeosciences*, **2020**, 17, 3589-3612	4.6	6
163	Spatially resolved evaluation of Earth system models with satellite column-averaged CO₂. *Biogeosciences*, **2020**, 17, 6115-6144	4.6	3
162	Emergent constraints on transient climate response (TCR) and equilibrium climate sensitivity (ECS) from historical warming in CMIP5 and CMIP6 models. *Earth System Dynamics*, **2020**, 11, 737-750	4.8	42
161	Robust Ecosystem Demography (RED version 1.0): a parsimonious approach to modelling vegetation dynamics in Earth system models. *Geoscientific Model Development*, **2020**, 13, 4067-4089	6.3	7
160	An emergent constraint on Transient Climate Response from simulated historical warming in CMIP6 models **2020**,		7
159	Stomatal optimization based on xylem hydraulics (SOX) improves land surface model simulation of vegetation responses to climate. *New Phytologist*, **2020**, 226, 1622-1637	9.8	48
158	A spatial emergent constraint on the sensitivity of soil carbon turnover to global warming. *Nature Communications*, **2020**, 11, 5544	17.4	20
157	How can the First ISLSCP Field Experiment contribute to present-day efforts to evaluate water stress in JULESv5.0?. *Geoscientific Model Development*, **2019**, 12, 3207-3240	6.3	4
156	Emergent Constraints on Climate-Carbon Cycle Feedbacks. *Current Climate Change Reports*, **2019**, 5, 275-281	9	9
155	Modelling ecosystem adaptation and dangerous rates of global warming. *Emerging Topics in Life Sciences*, **2019**, 3, 221-231	3.5	7
154	Progressing emergent constraints on future climate change. *Nature Climate Change*, **2019**, 9, 269-278	21.4	102

153	Decadal global temperature variability increases strongly with climate sensitivity. *Nature Climate Change*, **2019**, 9, 598-601	21.4	23
152	Global vegetation variability and its response to elevated CO₂, global warming, and climate variability � a study using the offline SSiB4/TRIFFID model and satellite data. *Earth System Dynamics*, **2019**, 10, 9-29	4.8	16
151	Taking climate model evaluation to the next level. *Nature Climate Change*, **2019**, 9, 102-110	21.4	200
150	Large sensitivity in land carbon storage due to geographical and temporal variation in the thermal response of photosynthetic capacity. *New Phytologist*, **2018**, 218, 1462-1477	9.8	32
149	Emergent constraint on equilibrium climate sensitivity from global temperature variability. *Nature*, **2018**, 553, 319-322	50.4	168
148	The Lancet Countdown on health and climate change: from 25 years of inaction to a global transformation for public health. *Lancet, The*, **2018**, 391, 581-630	40	521
147	Land-use emissions play a critical role in land-based mitigation for Paris climate targets. *Nature Communications*, **2018**, 9, 2938	17.4	99
146	Carbon budgets for 1.5 and 2 �C targets lowered by natural wetland and permafrost feedbacks. *Nature Geoscience*, **2018**, 11, 568-573	18.3	60
145	Vegetation distribution and terrestrial carbon cycle in a carbon cycle configuration of JULES4.6 with new plant functional types. *Geoscientific Model Development*, **2018**, 11, 2857-2873	6.3	31
144	Vegetation distribution and terrestrial carbon cycle in a carbon-cycle configuration of JULES4.6 with new plant functional types **2018**,		1
143	Cox et al. reply. *Nature*, **2018**, 563, E10-E15	50.4	7
142	Increased importance of methane reduction for a 1.5 degree target. *Environmental Research Letters* , **2018**, 13, 054003	6.2	34
141	Theoretical foundations of emergent constraints: relationships between climate sensitivity and global temperature variability in conceptual models. *Dynamics and Statistics of the Climate System*, **2018**, 3,		10
140	Equilibrium forest demography explains the distribution of tree sizes across North America. *Environmental Research Letters*, **2018**, 13, 084019	6.2	8
139	Leaf area index identified as a major source of variability�in modeled CO₂ fertilization. *Biogeosciences*, **2018**, 15, 6909-6925	4.6	11
138	Modelling tropical forest responses to drought and El Ni� with a stomatal optimization model based on xylem hydraulics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	49
137	An observation-based constraint on permafrost loss as a function of global warming. *Nature Climate Change*, **2017**, 7, 340-344	21.4	174
136	Emergent constraints on projections of declining primary production in the tropical oceans. *Nature Climate Change*, **2017**, 7, 355-358	21.4	69

135	Flexible parameter-sparse global temperature time-profiles that stabilise at 1.5 °C and 2.0 °C **2017**,		1
134	Flexible parameter-sparse global temperature time profiles that stabilise at 1.5 and 2.0 °C. *Earth System Dynamics*, **2017**, 8, 617-626	4.8	7
133	The Lancet Countdown: tracking progress on health and climate change. *Lancet, The*, **2017**, 389, 1151-1164	40	218
132	Land-surface parameter optimisation using data assimilation techniques: the adJULES system V1.0. *Geoscientific Model Development*, **2016**, 9, 2833-2852	6.3	26
131	Spatial and temporal variations in plant water-use efficiency inferred from tree-ring, eddy covariance and atmospheric observations. *Earth System Dynamics*, **2016**, 7, 525-533	4.8	34
130	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information **2016**,		2
129	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information. *Geoscientific Model Development*, **2016**, 9, 2415-2440	6.3	79
128	Impacts of Climate Extremes in Brazil: The Development of a Web Platform for Understanding Long-Term Sustainability of Ecosystems and Human Health in Amazonia (PULSE-Brazil). *Bulletin of the American Meteorological Society*, **2016**, 97, 1341-1346	6.1	8
127	Projected land photosynthesis constrained by changes in the seasonal cycle of atmospheric CO. *Nature*, **2016**, 538, 499-501	50.4	99
126	An improved representation of physical permafrost dynamics in the JULES land-surface model. *Geoscientific Model Development*, **2015**, 8, 1493-1508	6.3	66
125	Health and climate change: policy responses to protect public health. *Lancet, The*, **2015**, 386, 1861-914	40	932
124	Observing terrestrial ecosystems and the carbon cycle from space. *Global Change Biology*, **2015**, 21, 1762-76	11.4	257
123	Early warnings and missed alarms for abrupt monsoon transitions. *Climate of the Past*, **2015**, 11, 1621-1633	3.9	12
122	Impact of model developments on present and future simulations of permafrost in a global land-surface model. *Cryosphere*, **2015**, 9, 1505-1521	5.5	47
121	Investigation of North American vegetation variability under recent climate: A study using the SSiB4/TRIFFID biophysical/dynamic vegetation model. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 1300-1321	4.4	16
120	Coral bleaching under unconventional scenarios of climate warming and ocean acidification. *Nature Climate Change*, **2015**, 5, 777-781	21.4	41
119	Impact of model developments on present and future simulations of permafrost in a global land-surface model **2015**,		7
118	Analysis, Integration and Modeling of the Earth System (AIMES): Advancing the post-disciplinary understanding of coupled human–environment dynamics in the Anthropocene. *Anthropocene*, **2015** , 12, 99-106	3.9	12

117	A two-fold increase of carbon cycle sensitivity to tropical temperature variations. *Nature*, **2014**, 506, 212-5	50.4	210
116	Detection of solar dimming and brightening effects on Northern Hemisphere river flow. *Nature Geoscience*, **2014**, 7, 796-800	18.3	33
115	Emergent constraints on climate-carbon cycle feedbacks in the CMIP5 Earth system models. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 794-807	3.7	91
114	iMarNet: an ocean biogeochemistry model intercomparison project within a common physical ocean modelling framework. *Biogeosciences*, **2014**, 11, 7291-7304	4.6	54
113	No increase in global temperature variability despite changing regional patterns. *Nature*, **2013**, 500, 327-30	50.4	157
112	Sensitivity of tropical carbon to climate change constrained by carbon dioxide variability. *Nature*, **2013**, 494, 341-4	50.4	484
111	Evaluating the Land and Ocean Components of the Global Carbon Cycle in the CMIP5 Earth System Models. *Journal of Climate*, **2013**, 26, 6801-6843	4.4	340
110	Simulated resilience of tropical rainforests to CO2-induced climate change. *Nature Geoscience*, **2013**, 6, 268-273	18.3	293
109	Caribbean coral growth influenced by anthropogenic aerosol emissions. *Nature Geoscience*, **2013**, 6, 362-366	18.3	16
108	Tipping points in open systems: bifurcation, noise-included and rate-dependent examples in the climate system. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20130098	3	4
107	Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. *Biogeosciences*, **2013**, 10, 8305-8328	4.6	10
106	Model complexity versus ensemble size: allocating resources for climate prediction. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2012**, 370, 1087-99	3	18
105	Quantifying future climate change. *Nature Climate Change*, **2012**, 2, 403-409	21.4	113
104	High sensitivity of future global warming to land carbon cycle processes. *Environmental Research Letters*, **2012**, 7, 024002	6.2	185
103	Tipping points in open systems: bifurcation, noise-induced and rate-dependent examples in the climate system. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2012**, 370, 1166-84	3	213
102	Emergent dynamics of the climate-economy system in the Anthropocene. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2011**, 369, 868-86	3	23
101	Highly contrasting effects of different climate forcing agents on terrestrial ecosystem services. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2011**, 369, 2026-37	3	40
100	Soil carbon and climate change: from the Jenkinson effect to the compost-bomb instability. *European Journal of Soil Science*, **2011**, 62, 5-12	3.4	27

99	Excitability in ramped systems: the compost-bomb instability. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2011**, 467, 1243-1269	2.4	69
98	Excitability in ramped systems: the compost-bomb instability. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2011**, 467, 2733-2733	2.4	3
97	The Joint UK Land Environment Simulator (JULES), model description Part 1: Energy and water fluxes. *Geoscientific Model Development*, **2011**, 4, 677-699	6.3	784
96	The Joint UK Land Environment Simulator (JULES), model description Part 2: Carbon fluxes and vegetation dynamics. *Geoscientific Model Development*, **2011**, 4, 701-722	6.3	631
95	The Joint UK Land Environment Simulator (JULES), Model description Part 2: Carbon fluxes and vegetation **2011**,		32
94	The Joint UK Land Environment Simulator (JULES), Model description Part 1: Energy and water fluxes **2011**,		35
93	Estimating the risk of Amazonian forest dieback. *New Phytologist*, **2010**, 187, 694-706	9.8	116
92	Assessing uncertainties in a second-generation dynamic vegetation model caused by ecological scale limitations. *New Phytologist*, **2010**, 187, 666-81	9.8	225
91	Multiple mechanisms of Amazonian forest biomass losses in three dynamic global vegetation models under climate change. *New Phytologist*, **2010**, 187, 647-65	9.8	162
90	Development of probability density functions for future South American rainfall. *New Phytologist*, **2010**, 187, 682-93	9.8	25
89	MEP and planetary climates: insights from a two-box climate model containing atmospheric dynamics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1355-65	5.8	17
88	Maximum entropy production in environmental and ecological systems. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 1297-302	5.8	112
87	Methane radiative forcing controls the allowable CO2 emissions for climate stabilization. *Current Opinion in Environmental Sustainability*, **2010**, 2, 404-408	7.2	7
86	Greening the terrestrial biosphere: simulated feedbacks on atmospheric heat and energy circulation. *Climate Dynamics*, **2009**, 32, 287-299	4.2	13
85	Impact of changes in diffuse radiation on the global land carbon sink. *Nature*, **2009**, 458, 1014-7	50.4	689
84	Global Warming and Climate Change in Amazonia: Climate-Vegetation Feedback and Impacts on Water Resources. *Geophysical Monograph Series*, **2009**, 261-272	1.1	11
83	Biogeochemistry and Ecology of Terrestrial Ecosystems of Amazonia. *Geophysical Monograph Series* , **2009**, 273-292	1.1	22
82	Engineering the climate. *Physics World*, **2009**, 22, 24-27	0.5	12

81	Increasing risk of Amazonian drought due to decreasing aerosol pollution. *Nature*, **2008**, 453, 212-5	50.4	285
80	Simulated glacial and interglacial vegetation across Africa: implications for species phylogenies and trans-African migration of plants and animals. *Global Change Biology*, **2008**, 14, 827-840	11.4	71
79	Evaluation of the terrestrial carbon cycle, future plant geography and climate-carbon cycle feedbacks using five Dynamic Global Vegetation Models (DGVMs). *Global Change Biology*, **2008**, 14, 2015-2039	11.4	955
78	Climate change. Illuminating the modern dance of climate and CO2. *Science*, **2008**, 321, 1642-4	33.3	73
77	What do recent advances in quantifying climate and carbon cycle uncertainties mean for climate policy?. *Environmental Research Letters*, **2008**, 3, 044002	6.2	11
76	Amazon Basin climate under global warming: the role of the sea surface temperature. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 1753-9	5.8	75
75	Towards quantifying uncertainty in predictions of Amazon 'dieback'. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 1857-64	5.8	130
74	Consequences of the evolution of C4 photosynthesis for surface energy and water exchange. *Journal of Geophysical Research*, **2007**, 112,		8
73	A strategy for climate change stabilization experiments. *Eos*, **2007**, 88, 217-221	1.5	97
72	Projected increase in continental runoff due to plant responses to increasing carbon dioxide. *Nature*, **2007**, 448, 1037-41	50.4	486
71	Indirect radiative forcing of climate change through ozone effects on the land-carbon sink. *Nature*, **2007**, 448, 791-4	50.4	747
70	Improving the representation of radiation interception and photosynthesis for climate model applications. *Tellus, Series B: Chemical and Physical Meteorology*, **2007**, 59, 553-565	3.3	84
69	Climate change. A changing climate for prediction. *Science*, **2007**, 317, 207-8	33.3	114
68	Climate–Carbon Cycle Feedback Analysis: Results from the C4MIP Model Intercomparison. *Journal of Climate*, **2006**, 19, 3337-3353	4.4	2302
67	Positive feedback between global warming and atmospheric CO2 concentration inferred from past climate change. *Geophysical Research Letters*, **2006**, 33, n/a-n/a	4.9	94
66	An observation-based estimate of the strength of rainfall-vegetation interactions in the Sahel. *Geophysical Research Letters*, **2006**, 33,	4.9	58
65	GLACE: The Global Land–Atmosphere Coupling Experiment. Part I: Overview. *Journal of Hydrometeorology*, **2006**, 7, 590-610	3.7	525
64	The influence of terrestrial ecosystems on climate. *Trends in Ecology and Evolution*, **2006**, 21, 254-60	10.9	98

63	GLACE: The Global Land-Atmosphere Coupling Experiment. Part II: Analysis. *Journal of Hydrometeorology*, **2006**, 7, 611-625	3.7	287
62	Climate-carbon cycle feedbacks under stabilization: uncertainty and observational constraints. *Tellus, Series B: Chemical and Physical Meteorology*, **2006**, 58, 603-613	3.3	48
61	Detection of a direct carbon dioxide effect in continental river runoff records. *Nature*, **2006**, 439, 835-8	50.4	628
60	A quality-controlled global runoff data set (Reply). *Nature*, **2006**, 444, E14-E15	50.4	11
59	On the significance of atmospheric CO2 growth rate anomalies in 2002-2003. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	53
58	Global climate change and soil carbon stocks; predictions from two contrasting models for the turnover of organic carbon in soil. *Global Change Biology*, **2005**, 11, 154-166	11.4	278
57	Strong present-day aerosol cooling implies a hot future. *Nature*, **2005**, 435, 1187-90	50.4	451
56	Vegetation and climate variability: a GCM modelling study. *Climate Dynamics*, **2005**, 24, 457-467	4.2	40
55	Systematic optimisation and climate simulation of FAMOUS, a fast version of HadCM3. *Climate Dynamics*, **2005**, 25, 189-204	4.2	75
54	Determining the optimal soil temperature scheme for atmospheric modelling applications. *Boundary-Layer Meteorology*, **2005**, 114, 111-142	3.4	17
53	Contrasting simulated past and future responses of the Amazonian forest to atmospheric change. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2004**, 359, 539-47	5.8	71
52	Calibration of a land-surface model using data from primary forest sites in Amazonia. *Theoretical and Applied Climatology*, **2004**, 78, 27	3	18
51	Nonlinearities, Feedbacks and Critical Thresholds within the Earth's Climate System. *Climatic Change*, **2004**, 65, 11-38	4.5	175
50	Amazonian forest dieback under climate-carbon cycle projections for the 21st century. *Theoretical and Applied Climatology*, **2004**, 78, 137	3	527
49	The role of ecosystem-atmosphere interactions in simulated Amazonian precipitation decrease and forest dieback under global climate warming. *Theoretical and Applied Climatology*, **2004**, 78, 157	3	313
48	Using a GCM analogue model to investigate the potential for Amazonian forest dieback. *Theoretical and Applied Climatology*, **2004**, 78, 177	3	59
47	Amazonian climate: results and future research. *Theoretical and Applied Climatology*, **2004**, 78, 187	3	21
46	Quantifying, Understanding and Managing the Carbon Cycle in the Next Decades. *Climatic Change*, **2004**, 67, 147-160	4.5	26

45	Abrupt Changes: The Achilles' Heels of the Earth System. *Environment*, **2004**, 46, 8-20	2.8	6
44	Regions of strong coupling between soil moisture and precipitation. *Science*, **2004**, 305, 1138-40	33.3	1939
43	Climate feedback from wetland methane emissions. *Geophysical Research Letters*, **2004**, 31,	4.9	216
42	Effect of soil moisture on canopy conductance of Amazonian rainforest. *Agricultural and Forest Meteorology*, **2004**, 122, 215-227	5.8	85
41	Effects of Frozen Soil on Soil Temperature, Spring Infiltration, and Runoff: Results from the PILPS 2(d) Experiment at Valdai, Russia. *Journal of Hydrometeorology*, **2003**, 4, 334-351	3.7	132
40	How positive is the feedback between climate change and the carbon cycle?. *Tellus, Series B: Chemical and Physical Meteorology*, **2003**, 55, 692-700	3.3	37
39	Uncertainty in climate–carbon-cycle projections associated with the sensitivity of soil respiration to temperature. *Tellus, Series B: Chemical and Physical Meteorology*, **2003**, 55, 642-648	3.3	15
38	The role of land surface dynamics in glacial inception: a study with the UVic Earth System Model. *Climate Dynamics*, **2003**, 21, 515-537	4.2	266
37	An improved description of soil hydraulic and thermal properties of arctic peatland for use in a GCM. *Hydrological Processes*, **2003**, 17, 2611-2628	3.3	5
36	. *Tellus, Series B: Chemical and Physical Meteorology*, **2003**, 55, 642-648	3.3	117
35	How positive is the feedback between climate change and the carbon cycle?. *Tellus, Series B: Chemical and Physical Meteorology*, **2003**, 55, 692-700	3.3	232
34	Strong carbon cycle feedbacks in a climate model with interactive CO2 and sulphate aerosols. *Geophysical Research Letters*, **2003**, 30,	4.9	79
33	The Sensitivity of Global Climate Model Simulations to the Representation of Soil Moisture Heterogeneity. *Journal of Hydrometeorology*, **2003**, 4, 1265-1275	3.7	116
32	Explicit Representation of Subgrid Heterogeneity in a GCM Land Surface Scheme. *Journal of Hydrometeorology*, **2003**, 4, 530-543	3.7	332
31	Modelling vegetation and the carbon cycle as interactive elements of the climate system. *International Geophysics*, **2002**, 259-279		29
30	Comparing the Degree of Land–Atmosphere Interaction in Four Atmospheric General Circulation Models. *Journal of Hydrometeorology*, **2002**, 3, 363-375	3.7	100
29	The Carbon Cycle Response to ENSO: A Coupled Climate–Carbon Cycle Model Study. *Journal of Climate*, **2001**, 14, 4113-4129	4.4	132
28	Global response of terrestrial ecosystem structure and function to CO2 and climate change: results from six dynamic global vegetation models. *Global Change Biology*, **2001**, 7, 357-373	11.4	1464

27	Ascribing potential causes of recent trends in free atmosphere temperatures. *Atmospheric Science Letters*, **2001**, 2, 166-172	2.4	24
26	Constraints on the temperature sensitivity of global soil respiration from the observed interannual variability in atmospheric CO2. *Atmospheric Science Letters*, **2001**, 2, 114-124	2.4	288
25	The Representation of Snow in Land Surface Schemes: Results from PILPS 2(d). *Journal of Hydrometeorology*, **2001**, 2, 7-25	3.7	259
24	Modeling the volcanic signal in the atmospheric CO2 record. *Global Biogeochemical Cycles*, **2001**, 15, 453-465	5.9	102
23	Impact of CO2 Doubling on the Asian Summer Monsoon. *Journal of the Meteorological Society of Japan*, **2000**, 78, 421-439	2.8	72
22	Characterizing GCM Land Surface Schemes to Understand Their Responses to Climate Change. *Journal of Climate*, **2000**, 13, 3066-3079	4.4	62
21	Simulated responses of potential vegetation to doubled-CO2 climate change and feedbacks on near-surface temperature. *Global Ecology and Biogeography*, **2000**, 9, 171-180	6.1	54
20	Acceleration of global warming due to carbon-cycle feedbacks in a coupled climate model. *Nature*, **2000**, 408, 184-7	50.4	2890
19	An analogue model to derive additional climate change scenarios from existing GCM simulations. *Climate Dynamics*, **2000**, 16, 575-586	4.2	118
18	Uncertainties linked to land-surface processes in climate change simulations. *Climate Dynamics*, **2000**, 16, 949-961	4.2	48
17	Modelling long-term transpiration measurments from grassland in southern England. *Agricultural and Forest Meteorology*, **2000**, 100, 309-322	5.8	15
16	Contrasting responses of a simple terrestrial ecosystem model to global change. *Ecological Modelling*, **2000**, 134, 41-58	3	55
15	The impact of new land surface physics on the GCM simulation of climate and climate sensitivity. *Climate Dynamics*, **1999**, 15, 183-203	4.2	719
14	A canopy conductance and photosynthesis model for use in a GCM land surface scheme. *Journal of Hydrology*, **1998**, 212-213, 79-94	6	267
13	Use of statistical and neural network techniques to detect how stomatal conductance responds to changes in the local environment. *Ecological Modelling*, **1997**, 97, 217-246	3	43
12	Contrasting physiological and structural vegetation feedbacks in climate change simulations. *Nature*, **1997**, 387, 796-799	50.4	333
11	. *Tellus, Series B: Chemical and Physical Meteorology*, **1995**, 47, 301-309	3.3	26
10	Modelling the effects of atmospheric C02 on vegetation-atmosphere interactions. *Agricultural and Forest Meteorology*, **1995**, 73, 285-295	5.8	36

9	Pressure-driven thin-shell instabilities in HBTX1C. *Plasma Physics and Controlled Fusion*, **1990**, 32, 1321-1335	2	3
8	Resistive and viscous effects on z-pinch stability. *Plasma Physics and Controlled Fusion*, **1990**, 32, 553-563	2	9
7	iMarNet: an ocean biogeochemistry model inter-comparison project within a common physical ocean modelling framework		6
6	Early warnings and missed alarms for abrupt monsoon transitions		3
5	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
4	JULES-CN: a coupled terrestrial Carbon-Nitrogen Scheme (JULES vn5.1)		8
3	An improved representation of physical permafrost dynamics in the JULES land surface model		2
2	Evaluation of biospheric components in Earth system models using modern and palaeo observations: the state-of-the-art		1
1	The compost bomb instability in the continuum limit. *European Physical Journal: Special Topics*,1	2.3	0