

# Jonathan Gregory

## 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.

238  
papers

21,147  
citations

77  
h-index

141  
g-index

286  
ext. papers

23,167  
ext. citations

6.4  
avg. IF

6.83  
L-index

#	Paper	IF	Citations
238	Does Model Calibration Reduce Uncertainty in Climate Projections?. <i>Journal of Climate</i> , <b>2022</b> , 1-39	4.4	1
237	Mechanisms of Ocean Heat Uptake Along and Across Isopycnals. <i>Journal of Climate</i> , <b>2022</b> , 1-43	4.4	
236	Interpreting Differences in Radiative Feedbacks From Aerosols Versus Greenhouse Gases. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	2
235	Evaluation of the Local Sea-Level Budget at Tide Gauges Since 1958. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094502	4.9	0
234	Contribution of Ocean Physics and Dynamics at Different Scales to Heat Uptake in Low-Resolution AOGCMs. <i>Journal of Climate</i> , <b>2021</b> , 34, 2017-2035	4.4	6
233	Projecting Global Mean Sea-Level Change Using CMIP6 Models. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092064	4.9	7
232	Evolving patterns of steric sea-level rise under mitigation scenarios and insights from linear system theory. <i>Climate Dynamics</i> , <b>2021</b> , 57, 635-656	4.2	0
231	Recent Water Mass Changes Reveal Mechanisms of Ocean Warming. <i>Journal of Climate</i> , <b>2021</b> , 34, 3461-3479	4.4	8
230	Projected land ice contributions to twenty-first-century sea level rise. <i>Nature</i> , <b>2021</b> , 593, 74-82	50.4	45
229	What causes the spread of model projections of ocean dynamic sea-level change in response to greenhouse gas forcing?. <i>Climate Dynamics</i> , <b>2021</b> , 56, 155-187	4.2	7
228	Climate Sensitivity Increases Under Higher CO2 Levels Due to Feedback Temperature Dependence. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL089074	4.9	10
227	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091741	4.9	7
226	Interpreting the Dependence of Cloud-Radiative Adjustment on Forcing Agent. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093616	4.9	0
225	FAMOUS version xotzt (FAMOUS-ice): a general circulation model (GCM) capable of energy- and water-conserving coupling to an ice sheet model. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 5769-5787	6.3	3
224	Aerosol-Forced AMOC Changes in CMIP6 Historical Simulations. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088166	4.9	38
223	Remapping of Greenland ice sheet surface mass balance anomalies for large ensemble sea-level change projections. <i>Cryosphere</i> , <b>2020</b> , 14, 1747-1762	5.5	8
222	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. <i>Cryosphere</i> , <b>2020</b> , 14, 2331-2368	5.5	32

221	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century. <i>Cryosphere</i> , <b>2020</b> , 14, 3033-3070	5.5	71
220	The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6. <i>Cryosphere</i> , <b>2020</b> , 14, 3071-3096	5.5	62
219	Large and irreversible future decline of the Greenland ice sheet. <i>Cryosphere</i> , <b>2020</b> , 14, 4299-4322	5.5	6
218	Equilibrium Climate Sensitivity Estimated by Equilibrating Climate Models. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL083898	4.9	53
217	The Influence of Warming Patterns on Passive Ocean Heat Uptake. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088429	4.9	7
216	Exploring the Drivers of Global and Local Sea-Level Change Over the 21st Century and Beyond. <i>Earths Future</i> , <b>2020</b> , 8, e2019EF001413	7.9	15
215	Ocean-Only FAFMIP: Understanding Regional Patterns of Ocean Heat Content and Dynamic Sea Level Change. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS002027	7.1	11
214	How accurately can the climate sensitivity to (hbox {CO}_{2}) be estimated from historical climate change?. <i>Climate Dynamics</i> , <b>2020</b> , 54, 129-157	4.2	39
213	Attribution of ocean temperature change to anthropogenic and natural forcings using the temporal, vertical and geographical structure. <i>Climate Dynamics</i> , <b>2019</b> , 53, 5389-5413	4.2	21
212	LongRunMIP: Motivation and Design for a Large Collection of Millennial-Length AOGCM Simulations. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, 2551-2570	6.1	42
211	initMIP-Antarctica: an ice sheet model initialization experiment of ISMIP6. <i>Cryosphere</i> , <b>2019</b> , 13, 1441-1475	5.5	47
210	A refined model for the Earth's global energy balance. <i>Climate Dynamics</i> , <b>2019</b> , 53, 4781-4797	4.2	20
209	Concepts and Terminology for Sea Level: Mean, Variability and Change, Both Local and Global. <i>Surveys in Geophysics</i> , <b>2019</b> , 40, 1251-1289	7.6	135
208	Meeting User Needs for Sea Level Rise Information: A Decision Analysis Perspective. <i>Earths Future</i> , <b>2019</b> , 7, 320-337	7.9	61
207	Uncertainty in the Evolution of Climate Feedback Traced to the Strength of the Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12331-12339	4.9	5
206	Global reconstruction of historical ocean heat storage and transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 1126-1131	11.5	116
205	Sea Level Change <b>2019</b> , 493-499		4
204	Design and results of the ice sheet model initialisation experiments initMIP-Greenland: an ISMIP6 intercomparison. <i>Cryosphere</i> , <b>2019</b> , 12, 1433-1460	5.5	67

203	What Climate Sensitivity Index Is Most Useful for Projections?. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1559-1566	4.9	30
202	Fast and Slow Components of the Extratropical Atmospheric Circulation Response to CO <sub>2</sub> Forcing. <i>Journal of Climate</i> , <b>2018</b> , 31, 1091-1105	4.4	40
201	Accounting for Changing Temperature Patterns Increases Historical Estimates of Climate Sensitivity. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8490-8499	4.9	66
200	Impact of Mesoscale Eddy Transfer on Heat Uptake in an Eddy-Parameterizing Ocean Model. <i>Journal of Climate</i> , <b>2018</b> , 31, 8589-8606	4.4	15
199	Critical Southern Ocean climate model biases traced to atmospheric model cloud errors. <i>Nature Communications</i> , <b>2018</b> , 9, 3625	17.4	66
198	Extending CMIP5 projections of global mean temperature change and sea level rise due to thermal expansion using a physically-based emulator. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 084003	6.2	17
197	Volcanic Radiative Forcing From 1979 to 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12491-12508	4.4	50
196	Relationship of tropospheric stability to climate sensitivity and Earth's observed radiation budget. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 13126-13131	11.5	75
195	A data model of the Climate and Forecast metadata conventions (CF-1.6) with a software implementation (cf-python v2.1). <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 4619-4646	6.3	11
194	Ice Sheet Model Intercomparison Project (ISMIP6) contribution to CMIP6 <b>2016</b> ,		5
193	Improved Climate Simulations through a Stochastic Parameterization of Ocean Eddies. <i>Journal of Climate</i> , <b>2016</b> , 29, 8763-8781	4.4	19
192	Multiannual Ocean-Atmosphere Adjustments to Radiative Forcing. <i>Journal of Climate</i> , <b>2016</b> , 29, 5643-5659	4	30
191	Small global-mean cooling due to volcanic radiative forcing. <i>Climate Dynamics</i> , <b>2016</b> , 47, 3979-3991	4.2	37
190	The Flux-Anomaly-Forced Model Intercomparison Project (FAFMIP) contribution to CMIP6: Investigation of sea-level and ocean climate change in response to CO <sub>2</sub> forcing <b>2016</b> ,		4
189	OMIP contribution to CMIP6: experimental and diagnostic protocol for the physical component of the Ocean Model Intercomparison Project. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 3231-3296	6.3	130
188	Ice Sheet Model Intercomparison Project (ISMIP6) contribution to CMIP6. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 4521-4545	6.3	139
187	nonlinMIP contribution to CMIP6: model intercomparison project for non-linear mechanisms: physical basis, experimental design and analysis principles (v1.0). <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 4019-4028	6.3	17
186	The Flux-Anomaly-Forced Model Intercomparison Project (FAFMIP) contribution to CMIP6: investigation of sea-level and ocean climate change in response to CO <sub>2</sub> forcing. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 3993-4017	6.3	76

185	Variation in climate sensitivity and feedback parameters during the historical period. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3911-3920	4.9	100
184	Irreducible uncertainty in near-term climate projections. <i>Climate Dynamics</i> , <b>2016</b> , 46, 3807-3819	4.2	93
183	Analysis of the regional pattern of sea level change due to ocean dynamics and density change for 1993-2009 in observations and CMIP5 AOGCMs. <i>Climate Dynamics</i> , <b>2015</b> , 45, 2647-2666	4.2	60
182	A process-based analysis of ocean heat uptake in an AOGCM with an eddy-permitting ocean component. <i>Climate Dynamics</i> , <b>2015</b> , 45, 3205-3226	4.2	24
181	A traceable physical calibration of the vertical advection-diffusion equation for modeling ocean heat uptake. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2333-2341	4.9	6
180	Ocean Heat Uptake Processes: A Model Intercomparison. <i>Journal of Climate</i> , <b>2015</b> , 28, 887-908	4.4	42
179	Recent Progress in Understanding and Projecting Regional and Global Mean Sea Level Change. <i>Current Climate Change Reports</i> , <b>2015</b> , 1, 224-246	9	25
178	A large ozone-circulation feedback and its implications for global warming assessments. <i>Nature Climate Change</i> , <b>2015</b> , 5, 41-45	21.4	94
177	Separating the influence of projected changes in air temperature and wind on patterns of sea level change and ocean heat content. <i>Journal of Geophysical Research: Oceans</i> , <b>2015</b> , 120, 5749-5765	3.3	11
176	The inconstancy of the transient climate response parameter under increasing CO <sub>2</sub> . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2015</b> , 373,	3	102
175	Nonlinearity of ocean heat uptake during warming and cooling in the FAMOUS climate model. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2409-2416	4.9	9
174	Adjustments in the Forcing-Feedback Framework for Understanding Climate Change. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 217-228	6.1	198
173	Nonlinear regional warming with increasing CO <sub>2</sub> concentrations. <i>Nature Climate Change</i> , <b>2015</b> , 5, 138-142	21.4	42
172	The Dependence of Radiative Forcing and Feedback on Evolving Patterns of Surface Temperature Change in Climate Models. <i>Journal of Climate</i> , <b>2015</b> , 28, 1630-1648	4.4	206
171	The drivers of projected North Atlantic sea level change. <i>Climate Dynamics</i> , <b>2014</b> , 43, 1531-1544	4.2	34
170	Feedbacks and mechanisms affecting the global sensitivity of glaciers to climate change. <i>Cryosphere</i> , <b>2014</b> , 8, 59-71	5.5	35
169	Effect of uncertainty in surface mass balance-elevation feedback on projections of the future sea level contribution of the Greenland ice sheet. <i>Cryosphere</i> , <b>2014</b> , 8, 195-208	5.5	58
168	Probabilistic parameterisation of the surface mass balance-elevation feedback in regional climate model simulations of the Greenland ice sheet. <i>Cryosphere</i> , <b>2014</b> , 8, 181-194	5.5	20

167	The impact of salinity perturbations on the future uptake of heat by the Atlantic Ocean. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 9072-9079	4.9	6
166	Comment on Expert assessment of sea-level rise by AD 2100 and AD 2300 by Horton et al. (2014). <i>Quaternary Science Reviews</i> , <b>2014</b> , 97, 193-194	3.9	4
165	Attribution of the spatial pattern of CO <sub>2</sub> -forced sea level change to ocean surface flux changes. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 034004	6.2	31
164	Origins of differences in climate sensitivity, forcing and feedback in climate models. <i>Climate Dynamics</i> , <b>2013</b> , 40, 677-707	4.2	143
163	Abrupt CO <sub>2</sub> experiments as tools for predicting and understanding CMIP5 representative concentration pathway projections. <i>Climate Dynamics</i> , <b>2013</b> , 40, 1041-1053	4.2	42
162	Sea-level rise by 2100. <i>Science</i> , <b>2013</b> , 342, 1445	33.3	117
161	Twentieth-Century Global-Mean Sea Level Rise: Is the Whole Greater than the Sum of the Parts?. <i>Journal of Climate</i> , <b>2013</b> , 26, 4476-4499	4.4	158
160	Energy budget constraints on climate response. <i>Nature Geoscience</i> , <b>2013</b> , 6, 415-416	18.3	228
159	The Reversibility of Sea Level Rise. <i>Journal of Climate</i> , <b>2013</b> , 26, 2502-2513	4.4	38
158	Contributions of Different Cloud Types to Feedbacks and Rapid Adjustments in CMIP5*. <i>Journal of Climate</i> , <b>2013</b> , 26, 5007-5027	4.4	209
157	Evaluating the ability of process based models to project sea-level change. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 014051	6.2	66
156	The ocean's gravitational potential energy budget in a coupled climate model. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 5417-5422	4.9	3
155	Climate models without preindustrial volcanic forcing underestimate historical ocean thermal expansion. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1600-1604	4.9	44
154	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> , <b>2013</b> , 118, 1139-1150	4.4	264
153	A parametric sensitivity study of entropy production and kinetic energy dissipation using the FAMOUS AOGCM. <i>Climate Dynamics</i> , <b>2012</b> , 38, 1211-1227	4.2	15
152	The effect of windstress change on future sea level change in the Southern Ocean. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	28
151	A step-response approach for predicting and understanding non-linear precipitation changes. <i>Climate Dynamics</i> , <b>2012</b> , 39, 2789-2803	4.2	37
150	The influence of eddy parameterizations on the transport of the Antarctic Circumpolar Current in coupled climate models. <i>Ocean Modelling</i> , <b>2012</b> , 52-53, 1-8	3	26

149	Calibrated prediction of Pine Island Glacier retreat during the 21st and 22nd centuries with a coupled flowline model. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 333-334, 191-199	5.3	70
148	Ocean heat uptake and its consequences for the magnitude of sea level rise and climate change. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	135
147	Response of the North Atlantic storm track to climate change shaped by ocean-atmosphere coupling. <i>Nature Geoscience</i> , <b>2012</b> , 5, 313-317	18.3	209
146	Modelling large-scale ice-sheet-climate interactions following glacial inception. <i>Climate of the Past</i> , <b>2012</b> , 8, 1565-1580	3.9	26
145	Cloud Adjustment and its Role in CO2 Radiative Forcing and Climate Sensitivity: A Review. <i>Surveys in Geophysics</i> , <b>2012</b> , 33, 619-635	7.6	49
144	The last glacial cycle: transient simulations with an AOGCM. <i>Climate Dynamics</i> , <b>2012</b> , 38, 1545-1559	4.2	48
143	Precise Calculations of the Existence of Multiple AMOC Equilibria in Coupled Climate Models. Part I: Equilibrium States. <i>Journal of Climate</i> , <b>2012</b> , 25, 282-298	4.4	14
142	The Key Role of the Western Boundary in Linking the AMOC Strength to the North-South Pressure Gradient. <i>Journal of Physical Oceanography</i> , <b>2012</b> , 42, 628-643	2.4	18
141	Greenland ice sheet surface mass balance: evaluating simulations and making projections with regional climate models. <i>Cryosphere</i> , <b>2012</b> , 6, 1275-1294	5.5	94
140	Forcing, feedbacks and climate sensitivity in CMIP5 coupled atmosphere-ocean climate models. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	490
139	Vertical and horizontal processes in the global atmosphere and the maximum entropy production conjecture. <i>Earth System Dynamics</i> , <b>2012</b> , 3, 19-32	4.8	14
138	A step-response simple climate model to reconstruct and interpret AOGCM projections. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	64
137	Understanding processes contributing to regional sea level change. <i>Eos</i> , <b>2011</b> , 92, 328-328	1.5	3
136	Bistability of the Atlantic overturning circulation in a global climate model and links to ocean freshwater transport. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	74
135	Revisiting the Earth's sea-level and energy budgets from 1961 to 2008. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	358
134	Correction to Bistability of the Atlantic overturning circulation in a global climate model and links to ocean freshwater transport. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	1
133	High frequency variability of the Atlantic meridional overturning circulation. <i>Ocean Science</i> , <b>2011</b> , 7, 471-486	4.8	25
132	Understanding and Projecting Sea Level Change. <i>Oceanography</i> , <b>2011</b> , 24, 130-143	2.3	91

131	Climate entropy budget of the HadCM3 atmosphere-ocean general circulation model and of FAMOUS, its low-resolution version. <i>Climate Dynamics</i> , <b>2011</b> , 36, 1189-1206	4.2	33
130	A model study of factors influencing projected changes in regional sea level over the twenty-first century. <i>Climate Dynamics</i> , <b>2011</b> , 36, 2015-2033	4.2	68
129	Kinetic energy analysis of the response of the Atlantic meridional overturning circulation to CO2-forced climate change. <i>Climate Dynamics</i> , <b>2011</b> , 37, 893-914	4.2	34
128	A two-layer flow model to represent ice-ocean interactions beneath Antarctic ice shelves <b>2011</b> ,		2
127	Cloud Adjustment and its Role in CO2 Radiative Forcing and Climate Sensitivity: A Review. <i>Space Sciences Series of ISSI</i> , <b>2011</b> , 287-303	0.1	
126	Long-term effect of volcanic forcing on ocean heat content. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.2	43
125	Thresholds for irreversible decline of the Greenland ice sheet. <i>Climate Dynamics</i> , <b>2010</b> , 35, 1049-1057	4.2	88
124	Ocean Temperature and Salinity Contributions to Global and Regional Sea-Level Change <b>2010</b> , 143-176		8
123	The sea-level conundrum: case studies from palaeo-archives. <i>Journal of Quaternary Science</i> , <b>2010</b> , 25, 19-25	2.3	26
122	A Surface Energy Perspective on Climate Change. <i>Journal of Climate</i> , <b>2009</b> , 22, 2557-2570	4.4	186
121	Quantifying Carbon Cycle Feedbacks. <i>Journal of Climate</i> , <b>2009</b> , 22, 5232-5250	4.4	186
120	Understanding Land-Sea Warming Contrast in Response to Increasing Greenhouse Gases. Part I: Transient Adjustment. <i>Journal of Climate</i> , <b>2009</b> , 22, 3079-3097	4.4	128
119	A study of the sensitivity of ocean overturning circulation and climate to freshwater input in different regions of the North Atlantic. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	55
118	Carbon dioxide induced stomatal closure increases radiative forcing via a rapid reduction in low cloud. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	80
117	A Review of Uncertainties in Global Temperature Projections over the Twenty-First Century. <i>Journal of Climate</i> , <b>2008</b> , 21, 2651-2663	4.4	180
116	Dependence of the land-sea contrast in surface climate response on the nature of the forcing. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	33
115	Transient climate response estimated from radiative forcing and observed temperature change. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		152
114	A closer look at the IPCC report. <i>Science</i> , <b>2008</b> , 319, 409-10; author reply 409-10	33.3	8



113	Tropospheric Adjustment Induces a Cloud Component in CO2 Forcing. <i>Journal of Climate</i> , <b>2008</b> , 21, 58-71	4.4	256
112	Time Variation of Effective Climate Sensitivity in GCMs. <i>Journal of Climate</i> , <b>2008</b> , 21, 5076-5090	4.4	83
111	A description of the FAMOUS (version XDBUA) climate model and control run. <i>Geoscientific Model Development</i> , <b>2008</b> , 1, 53-68	6.3	78
110	Mechanisms for the land/sea warming contrast exhibited by simulations of climate change. <i>Climate Dynamics</i> , <b>2008</b> , 30, 455-465	4.2	235
109	Land/sea warming ratio in response to climate change: IPCC AR4 model results and comparison with observations. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	279
108	A new feedback on climate change from the hydrological cycle. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	20
107	Precipitation in Britain: An analysis of area-average data updated to 1989. <i>International Journal of Climatology</i> , <b>2007</b> , 11, 331-345	3.5	83
106	Simulated Global-Mean Sea Level Changes over the Last Half-Millennium. <i>Journal of Climate</i> , <b>2006</b> , 19, 4576-4591	4.4	61
105	Investigating the Causes of the Response of the Thermohaline Circulation to Past and Future Climate Changes. <i>Journal of Climate</i> , <b>2006</b> , 19, 1365-1387	4.4	719
104	The New Hadley Centre Climate Model (HadGEM1): Evaluation of Coupled Simulations. <i>Journal of Climate</i> , <b>2006</b> , 19, 1327-1353	4.4	406
103	Observational Constraints on Past Attributable Warming and Predictions of Future Global Warming. <i>Journal of Climate</i> , <b>2006</b> , 19, 3055-3069	4.4	148
102	Mechanisms of ocean heat uptake in a coupled climate model and the implications for tracer based predictions of ocean heat uptake. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	65
101	Evaluation of the sea ice simulation in a new coupled atmosphere-ocean climate model (HadGEM1). <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		63
100	Understanding projections of sea level rise in a Hadley Centre coupled climate model. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		79
99	Krakatoa lives: The effect of volcanic eruptions on ocean heat content and thermal expansion. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	67
98	Anthropogenic Warming of the Oceans: Observations and Model Results. <i>Journal of Climate</i> , <b>2006</b> , 19, 1873-1900	4.4	85
97	The Effect of a Large Freshwater Perturbation on the Glacial North Atlantic Ocean Using a Coupled General Circulation Model. <i>Journal of Climate</i> , <b>2006</b> , 19, 4436-4447	4.4	17
96	The Climate Sensitivity and Its Components Diagnosed from Earth Radiation Budget Data. <i>Journal of Climate</i> , <b>2006</b> , 19, 39-52	4.4	130

95	Ice-sheet contributions to future sea-level change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2006</b> , 364, 1709-31	3	155
94	Volcanoes and climate: Krakatoa's signature persists in the ocean. <i>Nature</i> , <b>2006</b> , 439, 675	50.4	79
93	On the climate response of the low-latitude Pacific Ocean to changes in the global freshwater cycle. <i>Climate Dynamics</i> , <b>2006</b> , 27, 593-611	4.2	10
92	The impact of natural and anthropogenic forcings on climate and hydrology since 1550. <i>Climate Dynamics</i> , <b>2006</b> , 28, 3-34	4.2	98
91	Coastal and global averaged sea level rise for 1950 to 2000. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	74
90	Constraining climate forecasts: The role of prior assumptions. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	120
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