

# T L Delworth

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9510542/publications.pdf>

Version: 2024-02-01

167  
papers

26,221  
citations

7251

80  
h-index

7234

158  
g-index

172  
all docs

172  
docs citations

172  
times ranked

20077  
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of enhance parameter correction with coupled data assimilation for climate estimation and prediction using a simple coupled model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 64, 10963.	0.8	54
2	Mechanisms of Regional Arctic Sea Ice Predictability in Two Dynamical Seasonal Forecast Systems. <i>Journal of Climate</i> , 2022, 35, 4207-4231.	1.2	6
3	Seasonal-to-Decadal Variability and Prediction of the Kuroshio Extension in the GFDL Coupled Ensemble Reanalysis and Forecasting System. <i>Journal of Climate</i> , 2022, 35, 3515-3535.	1.2	8
4	Roles of Meridional Overturning in Subpolar Southern Ocean SST Trends: Insights from Ensemble Simulations. <i>Journal of Climate</i> , 2022, 35, 1577-1596.	1.2	3
5	Skillful Seasonal Prediction of North American Summertime Heat Extremes. <i>Journal of Climate</i> , 2022, 35, 4331-4345.	1.2	6
6	Increasing Frequency of Anomalous Precipitation Events in Japan Detected by a Deep Learning Autoencoder. <i>Earth's Future</i> , 2022, 10, .	2.4	2
7	Subseasonal-to-Seasonal Arctic Sea Ice Forecast Skill Improvement from Sea Ice Concentration Assimilation. <i>Journal of Climate</i> , 2022, 35, 4233-4252.	1.2	9
8	When Will Humanity Notice Its Influence on Atmospheric Rivers?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	5
9	The Dependence of Internal Multidecadal Variability in the Southern Ocean on the Ocean Background Mean State. <i>Journal of Climate</i> , 2021, 34, 1061-1080.	1.2	8
10	The Alaskan Summer 2019 Extreme Heat Event: The Role of Anthropogenic Forcing, and Projections of the Increasing Risk of Occurrence. <i>Earth's Future</i> , 2021, 9, e2021EF002163.	2.4	2
11	Are Multiseasonal Forecasts of Atmospheric Rivers Possible?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094000.	1.5	8
12	Seasonal predictability of baroclinic wave activity. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	2.6	8
13	Natural variability vs forced signal in the 2015â€“2019 Central American drought. <i>Climatic Change</i> , 2021, 168, 1.	1.7	21
14	On the Development of GFDL's Decadal Prediction System: Initialization Approaches and Retrospective Forecast Assessment. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, .	1.3	14
15	Linking ITCZ Migrations to the AMOC and North Atlantic/Pacific SST Decadal Variability. <i>Journal of Climate</i> , 2020, 33, 893-905.	1.2	26
16	Increasing risk of another Cape Town "Day Zero" drought in the 21st century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29495-29503.	3.3	64
17	North Atlantic climate far more predictable than models imply. <i>Nature</i> , 2020, 583, 796-800.	13.7	158
18	Detected climatic change in global distribution of tropical cyclones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10706-10714.	3.3	123

#	ARTICLE	IF	CITATIONS
19	A Mechanism for the Arctic Sea Ice Spring Predictability Barrier. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088335.	1.5	29
20	Insights from Earth system model initial-condition large ensembles and future prospects. <i>Nature Climate Change</i> , 2020, 10, 277-286.	8.1	436
21	SPEAR: The Next Generation GFDL Modeling System for Seasonal to Multidecadal Prediction and Projection. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001895.	1.3	94
22	GFDL's SPEAR Seasonal Prediction System: Initialization and Ocean Tendency Adjustment (OTA) for Coupled Model Predictions. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002149.	1.3	27
23	Tropical cyclone sensitivities to CO <sub>2</sub> doubling: roles of atmospheric resolution, synoptic variability and background climate changes. <i>Climate Dynamics</i> , 2019, 53, 5999-6033.	1.7	114
24	On the Mechanisms of the Active 2018 Tropical Cyclone Season in the North Pacific. <i>Geophysical Research Letters</i> , 2019, 46, 12293-12302.	1.5	15
25	Robust skill of decadal climate predictions. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	136
26	Modulation of Arctic Sea Ice Loss by Atmospheric Teleconnections from Atlantic Multidecadal Variability. <i>Journal of Climate</i> , 2019, 32, 1419-1441.	1.2	32
27	Natural variability of Southern Ocean convection as a driver of observed climate trends. <i>Nature Climate Change</i> , 2019, 9, 59-65.	8.1	98
28	Potential for western US seasonal snowpack prediction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1180-1185.	3.3	30
29	Impacts of the Atlantic Multidecadal Variability on North American Summer Climate and Heat Waves. <i>Journal of Climate</i> , 2018, 31, 3679-3700.	1.2	57
30	Dominant Role of Atlantic Multidecadal Oscillation in the Recent Decadal Changes in Western North Pacific Tropical Cyclone Activity. <i>Geophysical Research Letters</i> , 2018, 45, 354-362.	1.5	75
31	Detectability of Decadal Anthropogenic Hydroclimate Changes over North America. <i>Journal of Climate</i> , 2018, 31, 2579-2597.	1.2	10
32	Robustness of anthropogenically forced decadal precipitation changes projected for the 21st century. <i>Nature Communications</i> , 2018, 9, 1150.	5.8	16
33	Improved Simulations of Tropical Pacific Annual Mean Climate in the GFDL FLOR and HiFLOR Coupled GCMs. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 3176-3220.	1.3	20
34	Dominant effect of relative tropical Atlantic warming on major hurricane occurrence. <i>Science</i> , 2018, 362, 794-799.	6.0	70
35	Predicted Chance That Global Warming Will Temporarily Exceed 1.5°C. <i>Geophysical Research Letters</i> , 2018, 45, 11,895.	1.5	31
36	On the seasonal prediction of the western United States El Niño precipitation pattern during the 2015/16 winter. <i>Climate Dynamics</i> , 2018, 51, 3765-3783.	1.7	17

#	ARTICLE	IF	CITATIONS
37	The Influence of CO <sub>2</sub> Forcing on North American Monsoon Moisture Surges. <i>Journal of Climate</i> , 2018, 31, 7949-7968.	1.2	15
38	The impact of multidecadal Atlantic meridional overturning circulation variations on the Southern Ocean. <i>Climate Dynamics</i> , 2017, 48, 2065-2085.	1.7	19
39	The Central Role of Ocean Dynamics in Connecting the North Atlantic Oscillation to the Extratropical Component of the Atlantic Multidecadal Oscillation. <i>Journal of Climate</i> , 2017, 30, 3789-3805.	1.2	122
40	Managing living marine resources in a dynamic environment: The role of seasonal to decadal climate forecasts. <i>Progress in Oceanography</i> , 2017, 152, 15-49.	1.5	165
41	Seasonal Prediction Skill of Northern Extratropical Surface Temperature Driven by the Stratosphere. <i>Journal of Climate</i> , 2017, 30, 4463-4475.	1.2	37
42	Estimating Decadal Predictability for the Southern Ocean Using the GFDL CM2.1 Model. <i>Journal of Climate</i> , 2017, 30, 5187-5203.	1.2	10
43	Dominant Role of Subtropical Pacific Warming in Extreme Eastern Pacific Hurricane Seasons: 2015 and the Future. <i>Journal of Climate</i> , 2017, 30, 243-264.	1.2	79
44	Assessing the Climate Impacts of the Observed Atlantic Multidecadal Variability Using the GFDL CM2.1 and NCAR CESM1 Global Coupled Models. <i>Journal of Climate</i> , 2017, 30, 2785-2810.	1.2	170
45	Weakening of the North American monsoon with global warming. <i>Nature Climate Change</i> , 2017, 7, 806-812.	8.1	105
46	Diagnosis of Decadal Predictability of Southern Ocean Sea Surface Temperature in the GFDL CM2.1 Model. <i>Journal of Climate</i> , 2017, 30, 6309-6328.	1.2	28
47	Origins of Atlantic decadal swings. <i>Nature</i> , 2017, 548, 284-285.	13.7	28
48	Simulated Response of the Pacific Decadal Oscillation to Climate Change. <i>Journal of Climate</i> , 2016, 29, 5999-6018.	1.2	56
49	Enhanced warming of the Northwest Atlantic Ocean under climate change. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 118-132.	1.0	348
50	Detection, Attribution, and Projection of Regional Rainfall Changes on (Multi-) Decadal Time Scales: A Focus on Southeastern South America. <i>Journal of Climate</i> , 2016, 29, 8515-8534.	1.2	21
51	Seasonal Forecasts of Major Hurricanes and Landfalling Tropical Cyclones using a High-Resolution GFDL Coupled Climate Model. <i>Journal of Climate</i> , 2016, 29, 7977-7989.	1.2	64
52	The Resolution Dependence of Contiguous U.S. Precipitation Extremes in Response to CO <sub>2</sub> Forcing. <i>Journal of Climate</i> , 2016, 29, 7991-8012.	1.2	74
53	Impact of the Antarctic bottom water formation on the Weddell Gyre and its northward propagation characteristics in GFDL CM2.1 model. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5825-5846.	1.0	14
54	Simulated Connections between ENSO and Tropical Cyclones near Guam in a High-Resolution GFDL Coupled Climate Model: Implications for Seasonal Forecasting. <i>Journal of Climate</i> , 2016, 29, 8231-8248.	1.2	3

#	ARTICLE	IF	CITATIONS
55	The Impact of Horizontal Resolution on North American Monsoon Gulf of California Moisture Surges in a Suite of Coupled Global Climate Models. <i>Journal of Climate</i> , 2016, 29, 7911-7936.	1.2	32
56	Influences of Natural Variability and Anthropogenic Forcing on the Extreme 2015 Accumulated Cyclone Energy in the Western North Pacific. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, S131-S135.	1.7	29
57	The North Atlantic Oscillation as a driver of rapid climate change in the Northern Hemisphere. <i>Nature Geoscience</i> , 2016, 9, 509-512.	5.4	197
58	The Roles of Radiative Forcing, Sea Surface Temperatures, and Atmospheric and Land Initial Conditions in U.S. Summer Warming Episodes. <i>Journal of Climate</i> , 2016, 29, 4121-4135.	1.2	36
59	Comment on "The Atlantic Multidecadal Oscillation without a role for ocean circulation". <i>Science</i> , 2016, 352, 1527-1527.	6.0	136
60	Improved Simulation of Tropical Cyclone Responses to ENSO in the Western North Pacific in the High-Resolution GFDL HiFLOR Coupled Climate Model*. <i>Journal of Climate</i> , 2016, 29, 1391-1415.	1.2	69
61	The Impact of the North Atlantic Oscillation on Climate through Its Influence on the Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2016, 29, 941-962.	1.2	144
62	Simulation and Prediction of Category 4 and 5 Hurricanes in the High-Resolution GFDL HiFLOR Coupled Climate Model*. <i>Journal of Climate</i> , 2015, 28, 9058-9079.	1.2	181
63	Extreme North America Winter Storm Season of 2013/14: Roles of Radiative Forcing and the Global Warming Hiatus. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, S25-S28.	1.7	17
64	Investigating the Influence of Anthropogenic Forcing and Natural Variability on the 2014 Hawaiian Hurricane Season. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, S115-S119.	1.7	39
65	The Seasonality of the Great Plains Low-Level Jet and ENSO Relationship. <i>Journal of Climate</i> , 2015, 28, 4525-4544.	1.2	54
66	Impacts on Ocean Heat from Transient Mesoscale Eddies in a Hierarchy of Climate Models. <i>Journal of Climate</i> , 2015, 28, 952-977.	1.2	292
67	Seasonal Predictability of Extratropical Storm Tracks in GFDL's High-Resolution Climate Prediction Model. <i>Journal of Climate</i> , 2015, 28, 3592-3611.	1.2	71
68	Improved Seasonal Prediction of Temperature and Precipitation over Land in a High-Resolution GFDL Climate Model. <i>Journal of Climate</i> , 2015, 28, 2044-2062.	1.2	141
69	A Link between the Hiatus in Global Warming and North American Drought. <i>Journal of Climate</i> , 2015, 28, 3834-3845.	1.2	91
70	Analysis of the Characteristics and Mechanisms of the Pacific Decadal Oscillation in a Suite of Coupled Models from the Geophysical Fluid Dynamics Laboratory. <i>Journal of Climate</i> , 2015, 28, 7678-7701.	1.2	58
71	Towards predictive understanding of regional climate change. <i>Nature Climate Change</i> , 2015, 5, 921-930.	8.1	253
72	Has coarse ocean resolution biased simulations of transient climate sensitivity?. <i>Geophysical Research Letters</i> , 2014, 41, 8522-8529.	1.5	88

#	ARTICLE	IF	CITATIONS
73	Regional rainfall decline in Australia attributed to anthropogenic greenhouse gases and ozone levels. <i>Nature Geoscience</i> , 2014, 7, 583-587.	5.4	131
74	Reply to Comments on "Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitations". <i>Journal of Climate</i> , 2014, 27, 490-492.	1.2	2
75	Predicting a Decadal Shift in North Atlantic Climate Variability Using the GFDL Forecast System. <i>Journal of Climate</i> , 2014, 27, 6472-6496.	1.2	84
76	ENSO Modulation: Is It Decadally Predictable?. <i>Journal of Climate</i> , 2014, 27, 2667-2681.	1.2	126
77	On the Seasonal Forecasting of Regional Tropical Cyclone Activity. <i>Journal of Climate</i> , 2014, 27, 7994-8016.	1.2	340
78	Tropical Cyclone Simulation and Response to CO2 Doubling in the GFDL CM2.5 High-Resolution Coupled Climate Model. <i>Journal of Climate</i> , 2014, 27, 8034-8054.	1.2	115
79	Snowfall less sensitive to warming in Karakoram than in Himalayas due to a unique seasonal cycle. <i>Nature Geoscience</i> , 2014, 7, 834-840.	5.4	246
80	A study of impact of the geographic dependence of observing system on parameter estimation with an intermediate coupled model. <i>Climate Dynamics</i> , 2013, 40, 1789-1798.	1.7	24
81	An assessment of oceanic variability for 1960-2010 from the GFDL ensemble coupled data assimilation. <i>Climate Dynamics</i> , 2013, 40, 775-803.	1.7	130
82	Controls of Global Snow under a Changed Climate. <i>Journal of Climate</i> , 2013, 26, 5537-5562.	1.2	100
83	Impact of climate warming on upper layer of the Bering Sea. <i>Climate Dynamics</i> , 2013, 40, 327-340.	1.7	11
84	A verification framework for interannual-to-decadal predictions experiments. <i>Climate Dynamics</i> , 2013, 40, 245-272.	1.7	254
85	The Atlantic Meridional Heat Transport at 26.5°N and Its Relationship with the MOC in the RAPID Array and the GFDL and NCAR Coupled Models. <i>Journal of Climate</i> , 2013, 26, 4335-4356.	1.2	67
86	Have Aerosols Caused the Observed Atlantic Multidecadal Variability?. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1135-1144.	0.6	282
87	Response to CO2 Doubling of the Atlantic Hurricane Main Development Region in a High-Resolution Climate Model. <i>Journal of Climate</i> , 2013, 26, 4322-4334.	1.2	5
88	A Predictable AMO-Like Pattern in the GFDL Fully Coupled Ensemble Initialization and Decadal Forecasting System. <i>Journal of Climate</i> , 2013, 26, 650-661.	1.2	97
89	Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitations. <i>Journal of Climate</i> , 2013, 26, 5337-5357.	1.2	57
90	Impact of Enthalpy-Based Ensemble Filtering Sea Ice Data Assimilation on Decadal Predictions: Simulation with a Conceptual Pycnocline Prediction Model. <i>Journal of Climate</i> , 2013, 26, 2368-2378.	1.2	6

#	ARTICLE	IF	CITATIONS
91	Comment on "Multiyear Prediction of Monthly Mean Atlantic Meridional Overturning Circulation at 26.5°N". <i>Science</i> , 2012, 338, 604-604.	6.0	8
92	Past, Present, and Future Changes in the Atlantic Meridional Overturning Circulation. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1663-1676.	1.7	153
93	Simulated Climate and Climate Change in the GFDL CM2.5 High-Resolution Coupled Climate Model. <i>Journal of Climate</i> , 2012, 25, 2755-2781.	1.2	454
94	Impact of Geographic-Dependent Parameter Optimization on Climate Estimation and Prediction: Simulation with an Intermediate Coupled Model. <i>Monthly Weather Review</i> , 2012, 140, 3956-3971.	0.5	33
95	Multicentennial variability of the Atlantic meridional overturning circulation and its climatic influence in a 4000 year simulation of the GFDL CM2.1 climate model. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	75
96	Biases in the Atlantic ITCZ in Seasonal "Interannual Variations for a Coarse- and a High-Resolution Coupled Climate Model. <i>Journal of Climate</i> , 2012, 25, 5494-5511.	1.2	59
97	Multidecadal variability of the North Brazil Current and its connection to the Atlantic meridional overturning circulation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	51
98	Predicting Atlantic meridional overturning circulation (AMOC) variations using subsurface and surface fingerprints. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1895-1903.	0.6	23
99	Sensitivity of the North Atlantic Ocean Circulation to an abrupt change in the Nordic Sea overflow in a high resolution global coupled climate model. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	67
100	On the use of IPCC-class models to assess the impact of climate on Living Marine Resources. <i>Progress in Oceanography</i> , 2011, 88, 1-27.	1.5	272
101	On the observed relationship between the Pacific Decadal Oscillation and the Atlantic Multi-decadal Oscillation. <i>Journal of Oceanography</i> , 2011, 67, 27-35.	0.7	73
102	Distinguishing the Roles of Natural and Anthropogenically Forced Decadal Climate Variability. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 141-156.	1.7	125
103	Impact of the Atlantic Meridional Overturning Circulation (AMOC) on Arctic Surface Air Temperature and Sea Ice Variability. <i>Journal of Climate</i> , 2011, 24, 6573-6581.	1.2	138
104	The Dynamical Core, Physical Parameterizations, and Basic Simulation Characteristics of the Atmospheric Component AM3 of the GFDL Global Coupled Model CM3. <i>Journal of Climate</i> , 2011, 24, 3484-3519.	1.2	887
105	The Role of Mesoscale Eddies in the Rectification of the Southern Ocean Response to Climate Change. <i>Journal of Physical Oceanography</i> , 2010, 40, 1539-1557.	0.7	183
106	Probing the Fast and Slow Components of Global Warming by Returning Abruptly to Preindustrial Forcing. <i>Journal of Climate</i> , 2010, 23, 2418-2427.	1.2	383
107	The Role of Mesoscale Eddies in the Remote Oceanic Response to Altered Southern Hemisphere Winds. <i>Journal of Physical Oceanography</i> , 2010, 40, 2348-2354.	0.7	65
108	Impact of Common Sea Surface Temperature Anomalies on Global Drought and Pluvial Frequency. <i>Journal of Climate</i> , 2010, 23, 485-503.	1.2	41

#	ARTICLE	IF	CITATIONS
109	The Adequacy of Observing Systems in Monitoring the Atlantic Meridional Overturning Circulation and North Atlantic Climate. <i>Journal of Climate</i> , 2010, 23, 5311-5324.	1.2	29
110	Assessing the predictability of the Atlantic meridional overturning circulation and associated fingerprints. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	43
111	Correction to "Assessing the predictability of the Atlantic meridional overturning circulation and associated fingerprints". <i>Geophysical Research Letters</i> , 2010, 37, n/a-n/a.	1.5	0
112	Toward understanding the dust deposition in Antarctica during the Last Glacial Maximum: Sensitivity studies on plausible causes. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
113	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. <i>Journal of Climate</i> , 2009, 22, 5251-5272.	1.2	282
114	A Unified Modeling Approach to Climate System Prediction. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1819-1832.	1.7	140
115	A new method for attributing climate variations over the Atlantic Hurricane Basin's main development region. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	14
116	Volcanic signals in oceans. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	181
117	Simulated impact of altered Southern Hemisphere winds on the Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	65
118	Freshwater Forcing: Will History Repeat Itself?. <i>Science</i> , 2008, 320, 316-317.	6.0	3
119	Decadal to centennial variability of the Atlantic from observations and models. <i>Geophysical Monograph Series</i> , 2007, , 131-148.	0.1	58
120	THE WCRP CMIP3 Multimodel Dataset: A New Era in Climate Change Research. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 1383-1394.	1.7	2,484
121	Can the Atlantic Ocean drive the observed multidecadal variability in Northern Hemisphere mean temperature?. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	167
122	Impact of the Atlantic Multidecadal Oscillation on North Pacific climate variability. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	217
123	Observational Constraints on Past Attributable Warming and Predictions of Future Global Warming. <i>Journal of Climate</i> , 2006, 19, 3055-3069.	1.2	162
124	Have anthropogenic aerosols delayed a greenhouse gas-induced weakening of the North Atlantic thermohaline circulation?. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	80
125	Arctic Oscillation response to volcanic eruptions in the IPCC AR4 climate models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	199
126	Impact of Atlantic multidecadal oscillations on India/Sahel rainfall and Atlantic hurricanes. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	728



#	ARTICLE	IF	CITATIONS
127	Atlantic Climate Variability and Predictability: A CLIVAR Perspective. <i>Journal of Climate</i> , 2006, 19, 5100-5121.	1.2	99
128	GFDL's CM2 Global Coupled Climate Models. Part II: The Baseline Ocean Simulation. <i>Journal of Climate</i> , 2006, 19, 675-697.	1.2	269
129	GFDL's CM2 Global Coupled Climate Models. Part IV: Idealized Climate Response. <i>Journal of Climate</i> , 2006, 19, 723-740.	1.2	110
130	Assessment of Twentieth-Century Regional Surface Temperature Trends Using the GFDL CM2 Coupled Models. <i>Journal of Climate</i> , 2006, 19, 1624-1651.	1.2	206
131	Quantifying anthropogenic influence on recent near-surface temperature change. <i>Surveys in Geophysics</i> , 2006, 27, 491-544.	2.1	50
132	GFDL's CM2 Global Coupled Climate Models. Part I: Formulation and Simulation Characteristics. <i>Journal of Climate</i> , 2006, 19, 643-674.	1.2	1,431
133	Simulation of Sahel drought in the 20th and 21st centuries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17891-17896.	3.3	368
134	Oceanic forcing of the late 20th century Sahel drought. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	151
135	A modeling study of dynamic and thermodynamic mechanisms for summer drying in response to global warming. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	13
136	The impact of aerosols on simulated ocean temperature and heat content in the 20th century. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	67
137	Simulated Tropical Response to a Substantial Weakening of the Atlantic Thermohaline Circulation. <i>Journal of Climate</i> , 2005, 18, 1853-1860.	1.2	673
138	Century-Scale Change in Water Availability: CO <sub>2</sub> -Quadrupling Experiment. <i>Climatic Change</i> , 2004, 64, 59-76.	1.7	93
139	The ocean's response to North Atlantic Oscillation variability. <i>Geophysical Monograph Series</i> , 2003, , 113-145.	0.1	214
140	Twentieth-century temperature and precipitation trends in ensemble climate simulations including natural and anthropogenic forcing. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	96
141	A comparison of climate change simulations produced by two GFDL coupled climate models. <i>Global and Planetary Change</i> , 2003, 37, 81-102.	1.6	37
142	Climate Field Reconstruction under Stationary and Nonstationary Forcing. <i>Journal of Climate</i> , 2003, 16, 462-479.	1.2	70
143	Review of simulations of climate variability and change with the GFDL R30 coupled climate model. <i>Climate Dynamics</i> , 2002, 19, 555-574.	1.7	119
144	Increasing risk of great floods in a changing climate. <i>Nature</i> , 2002, 415, 514-517.	13.7	1,419

#	ARTICLE	IF	CITATIONS
145	The Effect of Changes in Observational Coverage on the Association between Surface Temperature and the Arctic Oscillation. <i>Journal of Climate</i> , 2001, 14, 2481-2485.	1.2	7
146	Exploring natural and anthropogenic variation of climate. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 1-24.	1.0	16
147	Anthropogenic Warming of Earth's Climate System. <i>Science</i> , 2001, 292, 267-270.	6.0	445
148	Southern Hemisphere Atmospheric Circulation Response to Global Warming. <i>Journal of Climate</i> , 2001, 14, 2238-2249.	1.2	366
149	Implications of the Recent Trend in the Arctic/North Atlantic Oscillation for the North Atlantic Thermohaline Circulation. <i>Journal of Climate</i> , 2000, 13, 3721-3727.	1.2	122
150	Quantifying the uncertainty in forecasts of anthropogenic climate change. <i>Nature</i> , 2000, 407, 617-620.	13.7	604
151	Observed and simulated multidecadal variability in the Northern Hemisphere. <i>Climate Dynamics</i> , 2000, 16, 661-676.	1.7	1,072
152	Multidecadal Thermohaline Circulation Variability Driven by Atmospheric Surface Flux Forcing. <i>Journal of Climate</i> , 2000, 13, 1481-1495.	1.2	269
153	Simulation of Early 20th Century Global Warming. <i>Science</i> , 2000, 287, 2246-2250.	6.0	256
154	Oceanic influence on the North Atlantic Oscillation and associated northern hemisphere climate variations: 1959-1993. <i>Geophysical Research Letters</i> , 2000, 27, 121-124.	1.5	149
155	Changes in Heat Index Associated with CO <sub>2</sub> -Induced Global Warming. <i>Climatic Change</i> , 1999, 43, 369-386.	1.7	67
156	The influence of transient surface fluxes on North Atlantic overturning in a coupled GCM Climate Change Experiment. <i>Geophysical Research Letters</i> , 1999, 26, 2749-2752.	1.5	83
157	Model assessment of regional surface temperature trends (1949-1997). <i>Journal of Geophysical Research</i> , 1999, 104, 30981-30996.	3.3	98
158	Detection and Attribution of Recent Climate Change: A Status Report. <i>Bulletin of the American Meteorological Society</i> , 1999, 80, 2631-2659.	1.7	145
159	Simulated interannual to decadal variability in the tropical and sub-tropical North Atlantic. <i>Geophysical Research Letters</i> , 1998, 25, 2825-2828.	1.5	16
160	Multidecadal climate variability in the Greenland Sea and surrounding regions: A coupled model simulation. <i>Geophysical Research Letters</i> , 1997, 24, 257-260.	1.5	152
161	North Atlantic Interannual Variability in a Coupled Ocean-Atmosphere Model. <i>Journal of Climate</i> , 1996, 9, 2356-2375.	1.2	117
162	Decadal Variability of the Tropical Atlantic Ocean Surface Temperature in Shipboard Measurements and in a Global Ocean-Atmosphere Model. <i>Journal of Climate</i> , 1995, 8, 172-190.	1.2	108

#	ARTICLE	IF	CITATIONS
163	Climate variability and land-surface processes. <i>Advances in Water Resources</i> , 1993, 16, 3-20.	1.7	92
164	Interdecadal Variations of the Thermohaline Circulation in a Coupled Ocean-Atmosphere Model. <i>Journal of Climate</i> , 1993, 6, 1993-2011.	1.2	715
165	The temporal variability of soil wetness and its impact on climate. <i>Climatic Change</i> , 1990, 16, 185-192.	1.7	47
166	The Influence of Soil Wetness on Near-Surface Atmospheric Variability. <i>Journal of Climate</i> , 1989, 2, 1447-1462.	1.2	243
167	The Influence of Potential Evaporation on the Variabilities of Simulated Soil Wetness and Climate. <i>Journal of Climate</i> , 1988, 1, 523-547.	1.2	380