

T L Delworth

List of Publications by Year in descending order

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167
papers

26,221
citations

7251

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172
all docs

172
docs citations

172
times ranked

20077
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Increasing risk of great floods in a changing climate. <i>Nature</i> , 2002, 415, 514-517.	13.7	1,419
4	Observed and simulated multidecadal variability in the Northern Hemisphere. <i>Climate Dynamics</i> , 2000, 16, 661-676.	1.7	1,072
5	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
6	Impact of Atlantic multidecadal oscillations on India/Sahel rainfall and Atlantic hurricanes. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	728
7	Interdecadal Variations of the Thermohaline Circulation in a Coupled Ocean-Atmosphere Model. <i>Journal of Climate</i> , 1993, 6, 1993-2011.	1.2	715
8	Simulated Tropical Response to a Substantial Weakening of the Atlantic Thermohaline Circulation. <i>Journal of Climate</i> , 2005, 18, 1853-1860.	1.2	673
9	Quantifying the uncertainty in forecasts of anthropogenic climate change. <i>Nature</i> , 2000, 407, 617-620.	13.7	604
10	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
11	Anthropogenic Warming of Earth's Climate System. <i>Science</i> , 2001, 292, 267-270.	6.0	445
12	Insights from Earth system model initial-condition large ensembles and future prospects. <i>Nature Climate Change</i> , 2020, 10, 277-286.	8.1	436
13	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
14	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
15	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
16	Southern Hemisphere Atmospheric Circulation Response to Global Warming. <i>Journal of Climate</i> , 2001, 14, 2238-2249.	1.2	366
17	Enhanced warming of the Northwest Atlantic Ocean under climate change. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 118-132.	1.0	348
18	On the Seasonal Forecasting of Regional Tropical Cyclone Activity. <i>Journal of Climate</i> , 2014, 27, 7994-8016.	1.2	340

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19	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
20	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
21	Have Aerosols Caused the Observed Atlantic Multidecadal Variability?. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1135-1144.	0.6	282
22	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
23	Multidecadal Thermohaline Circulation Variability Driven by Atmospheric Surface Flux Forcing. <i>Journal of Climate</i> , 2000, 13, 1481-1495.	1.2	269
24	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
25	Simulation of Early 20th Century Global Warming. <i>Science</i> , 2000, 287, 2246-2250.	6.0	256
26	A verification framework for interannual-to-decadal predictions experiments. <i>Climate Dynamics</i> , 2013, 40, 245-272.	1.7	254
27	Towards predictive understanding of regional climate change. <i>Nature Climate Change</i> , 2015, 5, 921-930.	8.1	253
28	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
29	The Influence of Soil Wetness on Near-Surface Atmospheric Variability. <i>Journal of Climate</i> , 1989, 2, 1447-1462.	1.2	243
30	Impact of the Atlantic Multidecadal Oscillation on North Pacific climate variability. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	217
31	The ocean's response to North Atlantic Oscillation variability. <i>Geophysical Monograph Series</i> , 2003, , 113-145.	0.1	214
32	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
33	Arctic Oscillation response to volcanic eruptions in the IPCC AR4 climate models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	199
34	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
35	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
36	Volcanic signals in oceans. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	181

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37	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
38	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
39	Can the Atlantic Ocean drive the observed multidecadal variability in Northern Hemisphere mean temperature?. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	167
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	Observational Constraints on Past Attributable Warming and Predictions of Future Global Warming. <i>Journal of Climate</i> , 2006, 19, 3055-3069.	1.2	162
42	North Atlantic climate far more predictable than models imply. <i>Nature</i> , 2020, 583, 796-800.	13.7	158
43	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
44	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
45	Oceanic forcing of the late 20th century Sahel drought. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	151
46	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
47	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
48	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
49	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
50	A Unified Modeling Approach to Climate System Prediction. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1819-1832.	1.7	140
51	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
52	Comment on "The Atlantic Multidecadal Oscillation without a role for ocean circulation". <i>Science</i> , 2016, 352, 1527-1527.	6.0	136
53	Robust skill of decadal climate predictions. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	136
54	Regional rainfall decline in Australia attributed to anthropogenic greenhouse gases and ozone levels. <i>Nature Geoscience</i> , 2014, 7, 583-587.	5.4	131

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55	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
56	ENSO Modulation: Is It Decadally Predictable?. <i>Journal of Climate</i> , 2014, 27, 2667-2681.	1.2	126
57	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
58	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
59	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
60	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
61	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
62	North Atlantic Interannual Variability in a Coupled Ocean–Atmosphere Model. <i>Journal of Climate</i> , 1996, 9, 2356-2375.	1.2	117
63	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
64	Tropical cyclone sensitivities to CO2 doubling: roles of atmospheric resolution, synoptic variability and background climate changes. <i>Climate Dynamics</i> , 2019, 53, 5999-6033.	1.7	114
65	GFDL's CM2 Global Coupled Climate Models. Part IV: Idealized Climate Response. <i>Journal of Climate</i> , 2006, 19, 723-740.	1.2	110
66	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
67	Weakening of the North American monsoon with global warming. <i>Nature Climate Change</i> , 2017, 7, 806-812.	8.1	105
68	Controls of Global Snow under a Changed Climate. <i>Journal of Climate</i> , 2013, 26, 5537-5562.	1.2	100
69	Atlantic Climate Variability and Predictability: A CLIVAR Perspective. <i>Journal of Climate</i> , 2006, 19, 5100-5121.	1.2	99
70	Model assessment of regional surface temperature trends (1949-1997). <i>Journal of Geophysical Research</i> , 1999, 104, 30981-30996.	3.3	98
71	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
72	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

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73	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
74	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
75	Century-Scale Change in Water Availability: CO ₂ -Quadrupling Experiment. <i>Climatic Change</i> , 2004, 64, 59-76.	1.7	93
76	Climate variability and land-surface processes. <i>Advances in Water Resources</i> , 1993, 16, 3-20.	1.7	92
77	A Link between the Hiatus in Global Warming and North American Drought. <i>Journal of Climate</i> , 2015, 28, 3834-3845.	1.2	91
78	Has coarse ocean resolution biased simulations of transient climate sensitivity?. <i>Geophysical Research Letters</i> , 2014, 41, 8522-8529.	1.5	88
79	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
80	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
81	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
82	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
83	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
84	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
85	The Resolution Dependence of Contiguous U.S. Precipitation Extremes in Response to CO ₂ Forcing. <i>Journal of Climate</i> , 2016, 29, 7991-8012.	1.2	74
86	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
87	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
88	Climate Field Reconstruction under Stationary and Nonstationary Forcing. <i>Journal of Climate</i> , 2003, 16, 462-479.	1.2	70
89	Dominant effect of relative tropical Atlantic warming on major hurricane occurrence. <i>Science</i> , 2018, 362, 794-799.	6.0	70
90	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

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91	Changes in Heat Index Associated with CO ₂ -Induced Global Warming. <i>Climatic Change</i> , 1999, 43, 369-386.	1.7	67
92	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
93	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
94	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
95	Simulated impact of altered Southern Hemisphere winds on the Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	65
96	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
97	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
98	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
99	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
100	Decadal to centennial variability of the Atlantic from observations and models. <i>Geophysical Monograph Series</i> , 2007, , 131-148.	0.1	58
101	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
102	Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitations. <i>Journal of Climate</i> , 2013, 26, 5337-5357.	1.2	57
103	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
104	Simulated Response of the Pacific Decadal Oscillation to Climate Change. <i>Journal of Climate</i> , 2016, 29, 5999-6018.	1.2	56
105	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
106	The Seasonality of the Great Plains Low-Level Jet and ENSO Relationship. <i>Journal of Climate</i> , 2015, 28, 4525-4544.	1.2	54
107	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
108	Quantifying anthropogenic influence on recent near-surface temperature change. <i>Surveys in Geophysics</i> , 2006, 27, 491-544.	2.1	50

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109	The temporal variability of soil wetness and its impact on climate. <i>Climatic Change</i> , 1990, 16, 185-192.	1.7	47
110	Assessing the predictability of the Atlantic meridional overturning circulation and associated fingerprints. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	43
111	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
112	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
113	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
114	Seasonal Prediction Skill of Northern Extratropical Surface Temperature Driven by the Stratosphere. <i>Journal of Climate</i> , 2017, 30, 4463-4475.	1.2	37
115	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
116	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
117	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
118	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
119	Predicted Chance That Global Warming Will Temporarily Exceed 1.5°C. <i>Geophysical Research Letters</i> , 2018, 45, 11,895.	1.5	31
120	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
121	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
122	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
123	A Mechanism for the Arctic Sea Ice Spring Predictability Barrier. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088335.	1.5	29
124	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
125	Origins of Atlantic decadal swings. <i>Nature</i> , 2017, 548, 284-285.	13.7	28
126	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

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127	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
128	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
129	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
130	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
131	Natural variability vs forced signal in the 2015–2019 Central American drought. <i>Climatic Change</i> , 2021, 168, 1.	1.7	21
132	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
133	The impact of multidecadal Atlantic meridional overturning circulation variations on the Southern Ocean. <i>Climate Dynamics</i> , 2017, 48, 2065-2085.	1.7	19
134	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
135	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
136	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
137	Exploring natural and anthropogenic variation of climate. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 1-24.	1.0	16
138	Robustness of anthropogenically forced decadal precipitation changes projected for the 21st century. <i>Nature Communications</i> , 2018, 9, 1150.	5.8	16
139	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
140	The Influence of CO ₂ Forcing on North American Monsoon Moisture Surges. <i>Journal of Climate</i> , 2018, 31, 7949-7968.	1.2	15
141	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
142	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
143	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
144	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

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145	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
146	Impact of climate warming on upper layer of the Bering Sea. <i>Climate Dynamics</i> , 2013, 40, 327-340.	1.7	11
147	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
148	Detectability of Decadal Anthropogenic Hydroclimate Changes over North America. <i>Journal of Climate</i> , 2018, 31, 2579-2597.	1.2	10
149	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
150	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
151	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
152	Are Multiseasonal Forecasts of Atmospheric Rivers Possible?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094000.	1.5	8
153	Seasonal predictability of baroclinic wave activity. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	2.6	8
154	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
155	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
156	Impact of Entalpy-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
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164	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
165	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
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