

Gabriel A Vecchi

List of Publications by Year in descending order

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250
papers

30,764
citations

5782

84
h-index

5739

167
g-index

263
all docs

263
docs citations

263
times ranked

24498
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Projections of an Imminent Transition to a More Arid Climate in Southwestern North America. <i>Science</i> , 2007, 316, 1181-1184.	6.0	1,792
2	Increasing frequency of extreme El Niño events due to greenhouse warming. <i>Nature Climate Change</i> , 2014, 4, 111-116.	8.1	1,572
3	Global Warming and the Weakening of the Tropical Circulation. <i>Journal of Climate</i> , 2007, 20, 4316-4340.	1.2	1,036
4	The impact of global warming on the tropical Pacific Ocean and El Niño. <i>Nature Geoscience</i> , 2010, 3, 391-397.	5.4	1,029
5	Global Warming Pattern Formation: Sea Surface Temperature and Rainfall*. <i>Journal of Climate</i> , 2010, 23, 966-986.	1.2	915
6	Weakening of tropical Pacific atmospheric circulation due to anthropogenic forcing. <i>Nature</i> , 2006, 441, 73-76.	13.7	894
7	Modeled Impact of Anthropogenic Warming on the Frequency of Intense Atlantic Hurricanes. <i>Science</i> , 2010, 327, 454-458.	6.0	886
8	Thermodynamic and Dynamic Mechanisms for Large-Scale Changes in the Hydrological Cycle in Response to Global Warming*. <i>Journal of Climate</i> , 2010, 23, 4651-4668.	1.2	668
9	Expansion of the Hadley cell under global warming. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	652
10	ENSO and greenhouse warming. <i>Nature Climate Change</i> , 2015, 5, 849-859.	8.1	596
11	Simulations of Global Hurricane Climatology, Interannual Variability, and Response to Global Warming Using a 50-km Resolution GCM. <i>Journal of Climate</i> , 2009, 22, 6653-6678.	1.2	550
12	The poleward migration of the location of tropical cyclone maximum intensity. <i>Nature</i> , 2014, 509, 349-352.	13.7	516
13	Increased frequency of extreme La Niña events under greenhouse warming. <i>Nature Climate Change</i> , 2015, 5, 132-137.	8.1	479
14	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
15	Decadal Climate Prediction: An Update from the Trenches. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 243-267.	1.7	454
16	Greenhouse warming and the 21st century hydroclimate of southwestern North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21277-21282.	3.3	433
17	Effect of remote sea surface temperature change on tropical cyclone potential intensity. <i>Nature</i> , 2007, 450, 1066-1070.	13.7	376
18	Urbanization exacerbated the rainfall and flooding caused by hurricane Harvey in Houston. <i>Nature</i> , 2018, 563, 384-388.	13.7	375

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19	Global Projections of Intense Tropical Cyclone Activity for the Late Twenty-First Century from Dynamical Downscaling of CMIP5/RCP4.5 Scenarios. <i>Journal of Climate</i> , 2015, 28, 7203-7224.	1.2	371
20	Enhanced warming of the Northwest Atlantic Ocean under climate change. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 118-132.	1.0	348
21	On the Seasonal Forecasting of Regional Tropical Cyclone Activity. <i>Journal of Climate</i> , 2014, 27, 7994-8016.	1.2	340
22	Simulated reduction in Atlantic hurricane frequency under twenty-first-century warming conditions. <i>Nature Geoscience</i> , 2008, 1, 359-364.	5.4	334
23	Attribution of extreme rainfall from Hurricane Harvey, August 2017. <i>Environmental Research Letters</i> , 2017, 12, 124009.	2.2	330
24	The impact of COVID-19 nonpharmaceutical interventions on the future dynamics of endemic infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30547-30553.	3.3	325
25	Dynamical Downscaling Projections of Twenty-First-Century Atlantic Hurricane Activity: CMIP3 and CMIP5 Model-Based Scenarios. <i>Journal of Climate</i> , 2013, 26, 6591-6617.	1.2	316
26	Have Aerosols Caused the Observed Atlantic Multidecadal Variability?. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1135-1144.	0.6	282
27	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
28	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
29	Climate Response of the Equatorial Pacific to Global Warming. <i>Journal of Climate</i> , 2009, 22, 4873-4892.	1.2	260
30	Origin of seasonal predictability for summer climate over the Northwestern Pacific. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7574-7579.	3.3	253
31	Towards predictive understanding of regional climate change. <i>Nature Climate Change</i> , 2015, 5, 921-930.	8.1	253
32	Susceptible supply limits the role of climate in the early SARS-CoV-2 pandemic. <i>Science</i> , 2020, 369, 315-319.	6.0	253
33	Increased tropical Atlantic wind shear in model projections of global warming. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	235
34	On Estimates of Historical North Atlantic Tropical Cyclone Activity*. <i>Journal of Climate</i> , 2008, 21, 3580-3600.	1.2	233
35	Impact of Duration Thresholds on Atlantic Tropical Cyclone Counts*. <i>Journal of Climate</i> , 2010, 23, 2508-2519.	1.2	222
36	Monsoon Breaks and Subseasonal Sea Surface Temperature Variability in the Bay of Bengal*. <i>Journal of Climate</i> , 2002, 15, 1485-1493.	1.2	208

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37	Examining the Tropical Pacific's Response to Global Warming. <i>Eos</i> , 2008, 89, 81-83.	0.1	198
38	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
39	Near-term Climate Change: Projections and Predictability. , 2014, , 953-1028.		196
40	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
41	Tropical Pacific Sea Surface Temperature Anomalies, El Niño, and Equatorial Westerly Wind Events*. <i>Journal of Climate</i> , 2000, 13, 1814-1830.	1.2	177
42	Recent increases in tropical cyclone intensification rates. <i>Nature Communications</i> , 2019, 10, 635.	5.8	167
43	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
44	Projected Response of Tropical Cyclone Intensity and Intensification in a Global Climate Model. <i>Journal of Climate</i> , 2018, 31, 8281-8303.	1.2	163
45	Whither Hurricane Activity?. <i>Science</i> , 2008, 322, 687-689.	6.0	162
46	Westerly Wind Events in the Tropical Pacific, 1986-95*. <i>Journal of Climate</i> , 1997, 10, 3131-3156.	1.2	159
47	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 997-1017.	1.7	158
48	Contribution of Tropical Cyclones to Rainfall at the Global Scale. <i>Journal of Climate</i> , 2017, 30, 359-372.	1.2	153
49	El Niño and our future climate: where do we stand?. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010, 1, 260-270.	3.6	152
50	Observational Evidence for Oceanic Controls on Hurricane Intensity. <i>Journal of Climate</i> , 2011, 24, 1138-1153.	1.2	150
51	Projected Increases in North Atlantic Tropical Cyclone Intensity from CMIP5 Models. <i>Journal of Climate</i> , 2013, 26, 3231-3240.	1.2	150
52	Temporally Compound Heat Wave Events and Global Warming: An Emerging Hazard. <i>Earth's Future</i> , 2019, 7, 411-427.	2.4	147
53	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
54	Changing Frequency of Heavy Rainfall over the Central United States. <i>Journal of Climate</i> , 2013, 26, 351-357.	1.2	139

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55	Halving warming with idealized solar geoengineering moderates key climate hazards. <i>Nature Climate Change</i> , 2019, 9, 295-299.	8.1	139
56	Estimating Annual Numbers of Atlantic Hurricanes Missing from the HURDAT Database (1878–1965) Using Ship Track Density. <i>Journal of Climate</i> , 2011, 24, 1736-1746.	1.2	136
57	Rapid attribution of the August 2016 flood-inducing extreme precipitation in south Louisiana to climate change. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 897-921.	1.9	136
58	The Influence of the Madden-Julian Oscillation on Precipitation in Oregon and Washington*. <i>Weather and Forecasting</i> , 2003, 18, 600-613.	0.5	133
59	Increasing frequency of extremely severe cyclonic storms over the Arabian Sea. <i>Nature Climate Change</i> , 2017, 7, 885-889.	8.1	132
60	Twenty-first-century projections of North Atlantic tropical storms from CMIP5 models. <i>Nature Climate Change</i> , 2012, 2, 604-607.	8.1	129
61	Statistical-Dynamical Predictions of Seasonal North Atlantic Hurricane Activity. <i>Monthly Weather Review</i> , 2011, 139, 1070-1082.	0.5	128
62	On the termination of El Niño. <i>Geophysical Research Letters</i> , 1999, 26, 1593-1596.	1.5	127
63	ENSO Modulation: Is It Decadally Predictable?. <i>Journal of Climate</i> , 2014, 27, 2667-2681.	1.2	126
64	ENSO Transition, Duration, and Amplitude Asymmetries: Role of the Nonlinear Wind Stress Coupling in a Conceptual Model. <i>Journal of Climate</i> , 2013, 26, 9462-9476.	1.2	124
65	The vertical distribution of cloud feedback in coupled ocean-atmosphere models. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	123
66	Ocean-Atmosphere Interactions During Cyclone Nargis. <i>Eos</i> , 2009, 90, 53-54.	0.1	122
67	Indian Ocean Dipole Response to Global Warming: Analysis of Ocean-Atmospheric Feedbacks in a Coupled Model*. <i>Journal of Climate</i> , 2010, 23, 1240-1253.	1.2	122
68	The Pacific Meridional Mode and the Occurrence of Tropical Cyclones in the Western North Pacific. <i>Journal of Climate</i> , 2016, 29, 381-398.	1.2	122
69	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
70	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
71	Seasonality and Predictability of the Indian Ocean Dipole Mode: ENSO Forcing and Internal Variability. <i>Journal of Climate</i> , 2015, 28, 8021-8036.	1.2	114
72	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

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73	Mean Climate Controls on the Simulated Response of ENSO to Increasing Greenhouse Gases. <i>Journal of Climate</i> , 2012, 25, 7399-7420.	1.2	110
74	Testing the Performance of Tropical Cyclone Genesis Indices in Future Climates Using the HiRAM Model. <i>Journal of Climate</i> , 2014, 27, 9171-9196.	1.2	109
75	North Atlantic Tropical Cyclones and U.S. Flooding. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1381-1388.	1.7	107
76	Weakening of the North American monsoon with global warming. <i>Nature Climate Change</i> , 2017, 7, 806-812.	8.1	105
77	Skillful regional prediction of Arctic sea ice on seasonal timescales. <i>Geophysical Research Letters</i> , 2017, 44, 4953-4964.	1.5	102
78	Modeling the Dependence of Tropical Storm Counts in the North Atlantic Basin on Climate Indices. <i>Monthly Weather Review</i> , 2010, 138, 2681-2705.	0.5	100
79	Sensitivity of Tropical Cyclone Rainfall to Idealized Global-Scale Forcings*. <i>Journal of Climate</i> , 2014, 27, 4622-4641.	1.2	98
80	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
81	Joint projections of US East Coast sea level and storm surge. <i>Nature Climate Change</i> , 2015, 5, 1114-1120.	8.1	97
82	Ocean-Atmosphere Covariability in the Western Arabian Sea*. <i>Journal of Climate</i> , 2004, 17, 1213-1224.	1.2	93
83	Characterization of rainfall distribution and flooding associated with U.S. landfalling tropical cyclones: Analyses of Hurricanes Frances, Ivan, and Jeanne (2004). <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	93
84	The 3-4-Week MJO Prediction Skill in a GFDL Coupled Model. <i>Journal of Climate</i> , 2015, 28, 5351-5364.	1.2	92
85	A Link between the Hiatus in Global Warming and North American Drought. <i>Journal of Climate</i> , 2015, 28, 3834-3845.	1.2	91
86	The Madden-Julian Oscillation (MJO) and northern high latitude wintertime surface air temperatures. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	87
87	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
88	Impacts of Atmospheric Temperature Trends on Tropical Cyclone Activity. <i>Journal of Climate</i> , 2013, 26, 3877-3891.	1.2	83
89	Importance of initial conditions in seasonal predictions of Arctic sea ice extent. <i>Geophysical Research Letters</i> , 2014, 41, 5208-5215.	1.5	83
90	Retrospective Forecasts of the Hurricane Season Using a Global Atmospheric Model Assuming Persistence of SST Anomalies. <i>Monthly Weather Review</i> , 2010, 138, 3858-3868.	0.5	82

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91	Intense Precipitation Events Associated with Landfalling Tropical Cyclones in Response to a Warmer Climate and Increased CO ₂ . <i>Journal of Climate</i> , 2014, 27, 4642-4654.	1.2	81
92	January 1999 Indian Ocean Cooling Event. <i>Geophysical Research Letters</i> , 2001, 28, 3717-3720.	1.5	80
93	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
94	Detectability of Changes in the Walker Circulation in Response to Global Warming*. <i>Journal of Climate</i> , 2013, 26, 4038-4048.	1.2	78
95	Epidemic dynamics of respiratory syncytial virus in current and future climates. <i>Nature Communications</i> , 2019, 10, 5512.	5.8	78
96	The response of the Walker circulation to Last Glacial Maximum forcing: Implications for detection in proxies. <i>Paleoceanography</i> , 2011, 26, .	3.0	77
97	Seasonal sea surface temperature anomaly prediction for coastal ecosystems. <i>Progress in Oceanography</i> , 2015, 137, 219-236.	1.5	75
98	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
99	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
100	Improved management of small pelagic fisheries through seasonal climate prediction. <i>Ecological Applications</i> , 2017, 27, 378-388.	1.8	72
101	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
102	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
103	Reconciling Differing Views of Tropical Pacific Climate Change. <i>Eos</i> , 2010, 91, 141-142.	0.1	67
104	The Termination of the 1997-98 El Niño. Part II: Mechanisms of Atmospheric Change. <i>Journal of Climate</i> , 2006, 19, 2647-2664.	1.2	66
105	Causes of large projected increases in hurricane precipitation rates with global warming. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	66
106	Contrasting the termination of moderate and extreme El Niño events in coupled general circulation models. <i>Climate Dynamics</i> , 2010, 35, 299-313.	1.7	65
107	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
108	Indian Ocean Variability in the GFDL Coupled Climate Model. <i>Journal of Climate</i> , 2007, 20, 2895-2916.	1.2	63

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109	Uncertainties in the timing of unprecedented climates. <i>Nature</i> , 2014, 511, E3-E5.	13.7	63
110	Potential Increase in Hazard From Mediterranean Hurricane Activity With Global Warming. <i>Geophysical Research Letters</i> , 2019, 46, 1754-1764.	1.5	62
111	The Termination of the 1997-1998 El Niño. Part I: Mechanisms of Oceanic Change*. <i>Journal of Climate</i> , 2006, 19, 2633-2646.	1.2	59
112	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
113	The Impact of Anthropogenic Climate Change on North Atlantic Tropical Cyclone Tracks*. <i>Journal of Climate</i> , 2013, 26, 4088-4095.	1.2	58
114	The Role of the Indonesian Throughflow in the Indo-Pacific Climate Variability in the GFDL Coupled Climate Model. <i>Journal of Climate</i> , 2007, 20, 2434-2451.	1.2	57
115	Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitations. <i>Journal of Climate</i> , 2013, 26, 5337-5357.	1.2	57
116	Beyond Weather Time-Scale Prediction for Hurricane Sandy and Super Typhoon Haiyan in a Global Climate Model. <i>Monthly Weather Review</i> , 2015, 143, 524-535.	0.5	56
117	Statistical-Dynamical Seasonal Forecast of North Atlantic and U.S. Landfalling Tropical Cyclones Using the High-Resolution GFDL FLOR Coupled Model. <i>Monthly Weather Review</i> , 2016, 144, 2101-2123.	0.5	55
118	Reassessing the role of stochastic forcing in the 1997-1998 El Niño. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	54
119	Predictability of the Indian Ocean sea surface temperature anomalies in the GFDL coupled model. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	54
120	The Seasonality of the Great Plains Low-Level Jet and ENSO Relationship. <i>Journal of Climate</i> , 2015, 28, 4525-4544.	1.2	54
121	Long term changes in flooding and heavy rainfall associated with North Atlantic tropical cyclones: Roles of the North Atlantic Oscillation and El Niño-Southern Oscillation. <i>Journal of Hydrology</i> , 2018, 559, 698-710.	2.3	54
122	Is the recorded increase in short-duration North Atlantic tropical storms spurious?. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	51
123	North Atlantic Tropical Storm Frequency Response to Anthropogenic Forcing: Projections and Sources of Uncertainty. <i>Journal of Climate</i> , 2011, 24, 3224-3238.	1.2	51
124	The added value of IMERG in characterizing rainfall in tropical cyclones. <i>Atmospheric Research</i> , 2018, 209, 95-102.	1.8	51
125	North Atlantic Power Dissipation Index (PDI) and Accumulated Cyclone Energy (ACE): Statistical Modeling and Sensitivity to Sea Surface Temperature Changes. <i>Journal of Climate</i> , 2012, 25, 625-637.	1.2	50
126	Influence of the Tian Shan on Arid Extratropical Asia. <i>Journal of Climate</i> , 2016, 29, 5741-5762.	1.2	50

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127	Modulation of western North Pacific tropical cyclone activity by the Atlantic Meridional Mode. <i>Climate Dynamics</i> , 2017, 48, 631-647.	1.7	48
128	The impacts of changing transport and precipitation on pollutant distributions in a future climate. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	47
129	U.S. Landfalling and North Atlantic Hurricanes: Statistical Modeling of Their Frequencies and Ratios. <i>Monthly Weather Review</i> , 2012, 140, 44-65.	0.5	46
130	Verification of the skill of numerical weather prediction models in forecasting rainfall from U.S. landfalling tropical cyclones. <i>Journal of Hydrology</i> , 2018, 556, 1026-1037.	2.3	46
131	Tropical Cyclone Frequency. <i>Earth's Future</i> , 2021, 9, .	2.4	46
132	Sea Surface Temperature of the Bay of Bengal Derived from the TRMM Microwave Imager*,+. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 1283-1290.	0.5	45
133	How Well Do Global Climate Models Simulate the Variability of Atlantic Tropical Cyclones Associated with ENSO?. <i>Journal of Climate</i> , 2014, 27, 5673-5692.	1.2	45
134	The Present-Day Simulation and Twenty-First-Century Projection of the Climatology of Extratropical Transition in the North Atlantic. <i>Journal of Climate</i> , 2017, 30, 2739-2756.	1.2	45
135	Tropical rainfall predictions from multiple seasonal forecast systems. <i>International Journal of Climatology</i> , 2019, 39, 974-988.	1.5	45
136	Subseasonal Atmospheric Variability and El Niño Waveguide Warming: Observed Effects of the Madden-Julian Oscillation and Westerly Wind Events*. <i>Journal of Climate</i> , 2014, 27, 3619-3642.	1.2	44
137	Statistical-Dynamical Seasonal Forecast of Western North Pacific and East Asia Landfalling Tropical Cyclones using the GFDL FLOR Coupled Climate Model. <i>Journal of Climate</i> , 2017, 30, 2209-2232.	1.2	44
138	On the termination of the 2002-03 El Niño event. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	42
139	Regional Arctic sea-ice prediction: potential versus operational seasonal forecast skill. <i>Climate Dynamics</i> , 2019, 52, 2721-2743.	1.7	42
140	Characteristics of Model Tropical Cyclone Climatology and the Large-Scale Environment. <i>Journal of Climate</i> , 2020, 33, 4463-4487.	1.2	42
141	Changes in Atlantic major hurricane frequency since the late-19th century. <i>Nature Communications</i> , 2021, 12, 4054.	5.8	42
142	Impact of Strong ENSO on Regional Tropical Cyclone Activity in a High-Resolution Climate Model in the North Pacific and North Atlantic Oceans. <i>Journal of Climate</i> , 2016, 29, 2375-2394.	1.2	40
143	El Niño and La Niña-equatorial Pacific thermocline depth and sea surface temperature anomalies, 1986-98. <i>Geophysical Research Letters</i> , 2001, 28, 1051-1054.	1.5	39
144	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

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145	Cold waves are getting milder in the northern midlatitudes. <i>Environmental Research Letters</i> , 2019, 14, 114004.	2.2	38
146	Seasonal Prediction Skill of Northern Extratropical Surface Temperature Driven by the Stratosphere. <i>Journal of Climate</i> , 2017, 30, 4463-4475.	1.2	37
147	The Climatological Effect of Saharan Dust on Global Tropical Cyclones in a Fully Coupled GCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5538-5559.	1.2	37
148	Projection of Landfalling Tropical Cyclone Rainfall in the Eastern United States under Anthropogenic Warming. <i>Journal of Climate</i> , 2018, 31, 7269-7286.	1.2	37
149	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
150	Transient Climate Sensitivity Depends on Base Climate Ocean Circulation. <i>Journal of Climate</i> , 2017, 30, 1493-1504.	1.2	36
151	Large-scale control on the frequency of tropical cyclones and seeds: a consistent relationship across a hierarchy of global atmospheric models. <i>Climate Dynamics</i> , 2020, 55, 3177-3196.	1.7	36
152	How ocean color can steer Pacific tropical cyclones. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	35
153	Could the Recent Zika Epidemic Have Been Predicted?. <i>Frontiers in Microbiology</i> , 2017, 8, 1291.	1.5	35
154	Assessing the influence of climate on wintertime SARS-CoV-2 outbreaks. <i>Nature Communications</i> , 2021, 12, 846.	5.8	35
155	Nonlinear Zonal Wind Response to ENSO in the CMIP5 Models: Roles of the Zonal and Meridional Shift of the ITCZ/SPCZ and the Simulated Climatological Precipitation*. <i>Journal of Climate</i> , 2015, 28, 8556-8573.	1.2	33
156	Compensation Between Cloud Feedback and Aerosol-Cloud Interaction in CMIP6 Models. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091024.	1.5	33
157	Interannual Indian Rainfall Variability and Indian Ocean Sea Surface Temperature Anomalies. <i>Geophysical Monograph Series</i> , 0, , 247-259.	0.1	32
158	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
159	An Assessment of Multimodel Simulations for the Variability of Western North Pacific Tropical Cyclones and Its Association with ENSO. <i>Journal of Climate</i> , 2016, 29, 6401-6423.	1.2	31
160	How Skillful are the Multiannual Forecasts of Atlantic Hurricane Activity?. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 403-413.	1.7	31
161	Precipitation Sensitivity to Local Variations in Tropical Sea Surface Temperature. <i>Journal of Climate</i> , 2018, 31, 9225-9238.	1.2	31
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