

A global perspective on CMIP5 climate model biases

Nature Climate Change

4, 201-205

DOI: [10.1038/nclimate2118](https://doi.org/10.1038/nclimate2118)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Evaluation of the eastern equatorial Pacific SST seasonal cycle in CMIP5 models. <i>Ocean Science</i> , 2014, 10, 837-843.	1.3	12
4	On the Variability of Antarctic Circumpolar Current Fronts Inferred from 1992–2011 Altimetry*. <i>Journal of Physical Oceanography</i> , 2014, 44, 3054-3071.	0.7	113
5	Bias correction for hydrological impact studies – beyond the daily perspective. <i>Hydrological Processes</i> , 2014, 28, 4823-4828.	1.1	46
6	Remote effect of the model cold bias in the tropical North Atlantic on the warm bias in the tropical southeastern Pacific. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 1016-1026.	1.3	18
8	Downscaled projections of Caribbean coral bleaching that can inform conservation planning. <i>Global Change Biology</i> , 2015, 21, 3389-3401.	4.2	77
9	Decadal hindcasts initialized using observed surface wind stress: Evaluation and prediction out to 2024. <i>Geophysical Research Letters</i> , 2015, 42, 6454-6461.	1.5	58
10	The impact of mean state errors on equatorial North Atlantic interannual variability in a climate model. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1133-1151.	1.0	31
11	Model sensitivity of the Weddell and Ross seas, Antarctica, to vertical mixing and freshwater forcing. <i>Ocean Modelling</i> , 2015, 94, 141-152.	1.0	40
12	The impacts of cloud snow radiative effects on Pacific Ocean surface heat fluxes, surface wind stress, and ocean temperatures in coupled GCM simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2242-2260.	1.2	22
13	Improving a global model from the boundary layer: Total turbulent energy and the neutral limit number. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 791-805.	1.3	23
14	The impact of sea surface temperature bias on equatorial Atlantic interannual variability in partially coupled model experiments. <i>Geophysical Research Letters</i> , 2015, 42, 5540-5546.	1.5	30
15	Quantifying internally generated and externally forced climate signals at regional scales in CMIP5 models. <i>Geophysical Research Letters</i> , 2015, 42, 9394-9403.	1.5	24
16	Origin and Impact of Initialization Shocks in Coupled Atmosphere–Ocean Forecasts*. <i>Monthly Weather Review</i> , 2015, 143, 4631-4644.	0.5	70
17	Complementing thermosteric sea level rise estimates. <i>Geoscientific Model Development</i> , 2015, 8, 2723-2734.	1.3	10
18	Reconciling reconstructed and simulated features of the winter Pacific/North American pattern in the early 19th century. <i>Climate of the Past</i> , 2015, 11, 939-958.	1.3	19
19	Processes and mechanisms for the model SST biases in the North Atlantic and North Pacific: A link with the Atlantic meridional overturning circulation. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 739-758.	1.3	34
20	The Benguela Upwelling System: Quantifying the Sensitivity to Resolution and Coastal Wind Representation in a Global Climate Model*. <i>Journal of Climate</i> , 2015, 28, 9409-9432.	1.2	115
21	A Decadal-Scale Teleconnection between the North Atlantic Oscillation and Subtropical Eastern Australian Rainfall. <i>Journal of Climate</i> , 2015, 28, 1074-1092.	1.2	41

#	ARTICLE	IF	CITATIONS
22	The East Asian Summer Monsoon in pacemaker experiments driven by ENSO. <i>Ocean Dynamics</i> , 2015, 65, 385-393.	0.9	5
23	Monsoon-Induced Biases of Climate Models over the Tropical Indian Ocean*. <i>Journal of Climate</i> , 2015, 28, 3058-3072.	1.2	86
24	Impacts of the Atlantic Equatorial Mode in a warmer climate. <i>Climate Dynamics</i> , 2015, 45, 2255-2271.	1.7	30
25	The use of a flow field correction technique for alleviating the North Atlantic cold bias with application to the Kiel Climate Model. <i>Ocean Dynamics</i> , 2015, 65, 1079-1093.	0.9	26
26	Aerosolâ€“Stratocumulusâ€“Radiation Interactions over the Southeast Pacific. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 2612-2621.	0.6	24
27	Atmospheric Impact of Arctic Sea Ice Loss in a Coupled Oceanâ€“Atmosphere Simulation*. <i>Journal of Climate</i> , 2015, 28, 9606-9622.	1.2	32
28	Effects of Climatological Model Biases on the Projection of Tropical Climate Change. <i>Journal of Climate</i> , 2015, 28, 9909-9917.	1.2	48
29	The Rainfall Annual Cycle Bias over East Africa in CMIP5 Coupled Climate Models. <i>Journal of Climate</i> , 2015, 28, 9789-9802.	1.2	58
30	A Mechanism of Internal Decadal Atlantic Ocean Variability in a High-Resolution Coupled Climate Model. <i>Journal of Climate</i> , 2015, 28, 7764-7785.	1.2	32
31	Towards predictive understanding of regional climate change. <i>Nature Climate Change</i> , 2015, 5, 921-930.	8.1	253
32	Assessing CMIP5 general circulation model simulations of precipitation and temperature over China. <i>International Journal of Climatology</i> , 2015, 35, 2431-2440.	1.5	43
33	The importance of external climate forcing for the variability and trends of coastal upwelling in past and future climate. <i>Ocean Science</i> , 2016, 12, 807-823.	1.3	14
34	A novel bias correction methodology for climate impact simulations. <i>Earth System Dynamics</i> , 2016, 7, 71-88.	2.7	75
35	Global Airâ€“Sea CO2 Flux in 22 CMIP5 Models: Multiyear Mean and Interannual Variability*. <i>Journal of Climate</i> , 2016, 29, 2407-2431.	1.2	20
36	Enhanced warming of the North Atlantic Ocean under climate change. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 118-132.	1.0	348
37	Using qflux to constrain modeled Congo Basin rainfall in the CMIP5 ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,415.	1.2	37
38	Global Warming Attenuates the Tropical Atlantic-Pacific Teleconnection. <i>Scientific Reports</i> , 2016, 6, 20078.	1.6	29
39	CMIP5 Earth System Models with biogeochemistry: a Ross Sea assessment. <i>Antarctic Science</i> , 2016, 28, 327-346.	0.5	17

#	ARTICLE	IF	CITATIONS
40	Can reducing the incoming energy flux over the Southern Ocean in a CGCM improve its simulation of tropical climate?. <i>Geophysical Research Letters</i> , 2016, 43, 11,057.	1.5	36
41	Positive low cloud and dust feedbacks amplify tropical North Atlantic Multidecadal Oscillation. <i>Geophysical Research Letters</i> , 2016, 43, 1349-1356.	1.5	99
42	Tropical Cyclone Intensity Errors Associated with Lack of Two-Way Ocean Coupling in High-Resolution Global Simulations. <i>Journal of Climate</i> , 2016, 29, 8589-8610.	1.2	51
43	Effects of Southeastern Pacific Sea Surface Temperature on the Double-ITCZ Bias in NCAR CESM1. <i>Journal of Climate</i> , 2016, 29, 7417-7433.	1.2	25
44	Impact of ocean resolution on coupled air-sea fluxes and large-scale climate. <i>Geophysical Research Letters</i> , 2016, 43, 10,430.	1.5	61
45	Characterizing CMIP5 model spread in simulated rainfall in the Pacific Intertropical Convergence and South Pacific Convergence Zones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11590-11607.	1.2	11
46	Western boundary currents regulated by interaction between ocean eddies and the atmosphere. <i>Nature</i> , 2016, 535, 533-537.	13.7	236
47	The rogue nature of hiatuses in a global warming climate. <i>Geophysical Research Letters</i> , 2016, 43, 8169-8177.	1.5	7
48	Atlantic Multidecadal Variability in a model with an improved North Atlantic Current. <i>Geophysical Research Letters</i> , 2016, 43, 8199-8206.	1.5	46
49	Climate hindcasts: exploring the disjunct distribution of <i>Diopatra biscayensis</i> . <i>Invertebrate Biology</i> , 2016, 135, 345-356.	0.3	13
50	Processes Associated with the Tropical Indian Ocean Subsurface Temperature Bias in a Coupled Model. <i>Journal of Physical Oceanography</i> , 2016, 46, 2863-2875.	0.7	18
51	Disruptions in precipitation cycles: Attribution to anthropogenic forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2161-2177.	1.2	11
52	Relation of the double-ITCZ bias to the atmospheric energy budget in climate models. <i>Geophysical Research Letters</i> , 2016, 43, 7670-7677.	1.5	62
53	Could artificial ocean alkalinization protect tropical coral ecosystems from ocean acidification?. <i>Environmental Research Letters</i> , 2016, 11, 074008.	2.2	29
54	Aerosol-Stratocumulus-Radiation Interactions over the Southeast Pacific: Implications to the Underlying Air-Sea Coupling. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 2759-2771.	0.6	9
55	A Robust but Spurious Pattern of Climate Change in Model Projections over the Tropical Indian Ocean. <i>Journal of Climate</i> , 2016, 29, 5589-5608.	1.2	60
56	Correcting North Atlantic sea surface salinity biases in the Kiel Climate Model: influences on ocean circulation and Atlantic Multidecadal Variability. <i>Climate Dynamics</i> , 2016, 47, 2543-2560.	1.7	24
57	Weak ENSO asymmetry due to weak nonlinear air-sea interaction in CMIP5 climate models. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 352-364.	1.9	27

#	ARTICLE	IF	CITATIONS
58	Abrupt transitions in the NAO control of explosive North Atlantic cyclone development. <i>Climate Dynamics</i> , 2016, 47, 3091-3111.	1.7	20
59	A coupled experiment with LICOM2 as the ocean component of CESM1. <i>Journal of Meteorological Research</i> , 2016, 30, 76-92.	0.9	22
60	Evaluation of the interdecadal variability of sea surface temperature and sea level in the Pacific in CMIP3 and CMIP5 models. <i>International Journal of Climatology</i> , 2016, 36, 3723-3740.	1.5	33
61	Southern Ocean deep convection in global climate models: A driver for variability of subpolar gyres and Drake Passage transport on decadal timescales. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 3905-3925.	1.0	33
62	Climate change impacts on nesting and internesting leatherback sea turtles using 3D animated computational fluid dynamics and finite volume heat transfer. <i>Ecological Modelling</i> , 2016, 320, 231-240.	1.2	17
63	Change of tropical cyclone heat potential in response to global warming. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 504-510.	1.9	2
64	Multi-model ensemble analysis of Pacific and Atlantic SST variability in unperturbed climate simulations. <i>Climate Dynamics</i> , 2016, 47, 1073-1090.	1.7	8
65	Multiyear predictability of Northern Hemisphere surface air temperature in the Kiel Climate Model. <i>Climate Dynamics</i> , 2016, 47, 793-804.	1.7	9
66	Incorporating circulation statistics in bias correction of GCM ensembles: hydrological application for the Rhine basin. <i>Climate Dynamics</i> , 2016, 46, 187-203.	1.7	8
67	Drivers of uncertainty in simulated ocean circulation and heat uptake. <i>Geophysical Research Letters</i> , 2017, 44, 1402-1413.	1.5	46
68	Circulation controls on southern African precipitation in coupled models: The role of the Angola Low. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 861-877.	1.2	79
69	The Sensitivity of the Terrestrial Surface Energy and Water Balance Estimates in the WRF Model to Lower Surface Boundary Representations: A South Norway Case Study. <i>Journal of Hydrometeorology</i> , 2017, 18, 265-284.	0.7	12
70	Impact of Tropical SSTs in the North Atlantic and Southeastern Pacific on the Eastern Pacific ITCZ. <i>Journal of Climate</i> , 2017, 30, 1291-1305.	1.2	12
71	A Bayesian hierarchical approach for spatial analysis of climate model bias in multi-model ensembles. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 2645-2657.	1.9	8
72	Evaluation of CMIP5 models over the northern North Atlantic in the context of forthcoming paleoclimatic reconstructions. <i>Climate Dynamics</i> , 2017, 49, 3673-3691.	1.7	4
73	Representation of Arctic Moist Intrusions in CMIP5 Models and Implications for Winter Climate Biases. <i>Journal of Climate</i> , 2017, 30, 4083-4102.	1.2	23
74	Oceanâ€‘Atmosphere State Dependence of the Atmospheric Response to Arctic Sea Ice Loss. <i>Journal of Climate</i> , 2017, 30, 1537-1552.	1.2	27
75	Evolution of the Atlantic Multidecadal Variability in a Model with an Improved North Atlantic Current. <i>Journal of Climate</i> , 2017, 30, 5491-5512.	1.2	27

#	ARTICLE	IF	CITATIONS
76	Modification of sea surface temperature by chlorophyll concentration in the Atlantic upwelling systems. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5367-5389.	1.0	18
77	The effect of model bias on Atlantic freshwater transport and implications for AMOC bi-stability. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 69, 1299910.	0.8	41
79	Bayesian Statistics in Action. <i>Springer Proceedings in Mathematics and Statistics</i> , 2017, , .	0.1	0
80	Assessment of marine weather forecasts over the Indian sector of Southern Ocean. <i>Polar Science</i> , 2017, 13, 1-12.	0.5	0
81	Attribution of Forced Decadal Climate Change in Coupled and Uncoupled Ocean-Atmosphere Model Experiments. <i>Journal of Climate</i> , 2017, 30, 6203-6223.	1.2	40
82	Intermodel Spread around the Kuroshio-Oyashio Extension Region in Coupled GCMs Caused by Meridional Variation of the Westerly Jet from Atmospheric GCMs. <i>Journal of Climate</i> , 2017, 30, 4589-4599.	1.2	5
83	Comparison of Low-Frequency Internal Climate Variability in CMIP5 Models and Observations. <i>Journal of Climate</i> , 2017, 30, 4763-4776.	1.2	53
84	Bias correction of global and regional simulated daily precipitation and surface mean temperature over Southeast Asia using quantile mapping method. <i>Global and Planetary Change</i> , 2017, 149, 79-90.	1.6	78
85	Projected increase in El Niño-driven tropical cyclone frequency in the Pacific. <i>Nature Climate Change</i> , 2017, 7, 123-127.	8.1	66
86	Towards process-informed bias correction of climate change simulations. <i>Nature Climate Change</i> , 2017, 7, 764-773.	8.1	329
87	Weakening of the North American monsoon with global warming. <i>Nature Climate Change</i> , 2017, 7, 806-812.	8.1	105
88	Causes of model dry and warm bias over central U.S. and impact on climate projections. <i>Nature Communications</i> , 2017, 8, 881.	5.8	92
89	Structural decomposition of decadal climate prediction errors: A Bayesian approach. <i>Scientific Reports</i> , 2017, 7, 12862.	1.6	5
90	The Intermodel Diversity of East Asia's Summer Rainfall among CMIP5 Models. <i>Journal of Climate</i> , 2017, 30, 9287-9301.	1.2	7
91	CGCM and AGCM seasonal climate predictions: A study in CCSM4. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7416-7432.	1.2	9
92	Description and evaluation of the Earth System Regional Climate Model (ES-RegCM). <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1863-1886.	1.3	36
93	Connecting tropical climate change with Southern Ocean heat uptake. <i>Geophysical Research Letters</i> , 2017, 44, 9449-9457.	1.5	61
94	Understanding the surface temperature cold bias in CMIP5 AGCMs over the Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1447-1460.	1.9	59

#	ARTICLE	IF	CITATIONS
95	Low-Pass Filtering, Heat Flux, and Atlantic Multidecadal Variability. <i>Journal of Climate</i> , 2017, 30, 7529-7553.	1.2	75
96	Southern Ocean Decadal Variability and Predictability. <i>Current Climate Change Reports</i> , 2017, 3, 163-173.	2.8	13
97	The Eastern Subtropical Pacific Origin of the Equatorial Cold Bias in Climate Models: A Lagrangian Perspective. <i>Journal of Climate</i> , 2017, 30, 5885-5900.	1.2	28
98	Remote control of North Atlantic Oscillation predictability via the stratosphere. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 706-719.	1.0	28
99	Extra-tropical origin of equatorial Pacific cold bias in climate models with links to cloud albedo. <i>Climate Dynamics</i> , 2017, 49, 2093-2113.	1.7	42
100	Uncertainty in twenty-first century projections of the Atlantic Meridional Overturning Circulation in CMIP3 and CMIP5 models. <i>Climate Dynamics</i> , 2017, 49, 1495-1511.	1.7	57
101	The role of Atlantic overturning circulation in the recent decline of Atlantic major hurricane frequency. <i>Nature Communications</i> , 2017, 8, 1695.	5.8	60
102	Model-Based Assessment of the CO ₂ Sequestration Potential of Coastal Ocean Alkalinization. <i>Earth's Future</i> , 2017, 5, 1252-1266.	2.4	34
103	Statistical wave climate projections for coastal impact assessments. <i>Earth's Future</i> , 2017, 5, 918-933.	2.4	93
104	Evaluation of PMIP2 and PMIP3 simulations of mid-Holocene climate in the Indo-Pacific, Australasian and Southern Ocean regions. <i>Climate of the Past</i> , 2017, 13, 1661-1684.	1.3	2
105	Comparing proxy and model estimates of hydroclimate variability and change over the Common Era. <i>Climate of the Past</i> , 2017, 13, 1851-1900.	1.3	93
106	Strong control of Southern Ocean cloud reflectivity by ice-nucleating particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2687-2692.	3.3	156
107	Sensitivity of the atmospheric water cycle to corrections of the sea surface temperature bias over southern Africa in a regional climate model. <i>Climate Dynamics</i> , 2018, 51, 2841-2855.	1.7	11
108	Contrasting Impact of Future CO ₂ Emission Scenarios on the Extent of CaCO ₃ Mineral Undersaturation in the Humboldt Current System. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 2018-2036.	1.0	24
109	An Argo-Derived Background Diffusivity Parameterization for Improved Ocean Simulations in the Tropical Pacific. <i>Geophysical Research Letters</i> , 2018, 45, 1509-1517.	1.5	30
110	Sahel rainfall strength and onset improvements due to more realistic Atlantic cold tongue development in a climate model. <i>Scientific Reports</i> , 2018, 8, 2569.	1.6	22
111	Advancing climate science with knowledge-discovery through data mining. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	2.6	9
112	Towards a realistic simulation of boreal summer tropical rainfall climatology in state-of-the-art coupled models: role of the background snow-free land albedo. <i>Climate Dynamics</i> , 2018, 50, 3413-3439.	1.7	9

#	ARTICLE	IF	CITATIONS
113	Intercomparison of model response and internal variability across climate model ensembles. <i>Climate Dynamics</i> , 2018, 51, 207-219.	1.7	27
114	The connection between the Atlantic multidecadal oscillation and the Indian summer monsoon in CMIP5 models. <i>Climate Dynamics</i> , 2018, 51, 3023-3039.	1.7	24
116	Tropical Cyclone Activity in the High-Resolution Community Earth System Model and the Impact of Ocean Coupling. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 165-186.	1.3	50
117	From global circulation to local flood loss: Coupling models across the scales. <i>Science of the Total Environment</i> , 2018, 635, 1225-1239.	3.9	30
118	Remarkable link between projected uncertainties of Arctic sea-ice decline and winter Eurasian climate. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 38-51.	1.9	18
119	Projected changes in tropical cyclone activity under future warming scenarios using a high-resolution climate model. <i>Climatic Change</i> , 2018, 146, 547-560.	1.7	142
120	Assessment of CMIP5 historical simulations of rainfall over Southeast Asia. <i>Theoretical and Applied Climatology</i> , 2018, 132, 989-1002.	1.3	38
121	Maritime Continent seasonal climate biases in AMIP experiments of the CMIP5 multimodel ensemble. <i>Climate Dynamics</i> , 2018, 50, 777-800.	1.7	19
122	Decadal fluctuations in the western Pacific recorded by long precipitation records in Taiwan. <i>Climate Dynamics</i> , 2018, 50, 1597-1608.	1.7	15
123	Decadal-scale teleconnection between South Atlantic SST and southeast Australia surface air temperature in austral summer. <i>Climate Dynamics</i> , 2018, 50, 2687-2703.	1.7	11
124	An anatomy of the projected North Atlantic warming hole in CMIP5 models. <i>Climate Dynamics</i> , 2018, 50, 3063-3080.	1.7	58
125	Teleconnection between low flows and large-scale climate indices in Texas River basins. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2337-2350.	1.9	15
126	Comparison of the Pacific Decadal Oscillation in climate model simulations and observations. <i>International Journal of Climatology</i> , 2018, 38, e99.	1.5	13
127	North Atlantic climate model bias influence on multiyear predictability. <i>Earth and Planetary Science Letters</i> , 2018, 481, 171-176.	1.8	5
128	Origin of the warm eastern tropical Atlantic SST bias in a climate model. <i>Climate Dynamics</i> , 2018, 51, 1819-1840.	1.7	32
129	How well do CMIP5 models simulate the low-level jet in western Colombia?. <i>Climate Dynamics</i> , 2018, 51, 2247-2265.	1.7	21
130	On the relationship between Atlantic Niño variability and ocean dynamics. <i>Climate Dynamics</i> , 2018, 51, 597-612.	1.7	32
131	Global Mean Climate and Main Patterns of Variability in the CMCC-CM2 Coupled Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 185-209.	1.3	202

#	ARTICLE	IF	CITATIONS
132	Climate, ocean circulation, and sea level changes under stabilization and overshoot pathways to 1.5°C warming. <i>Earth System Dynamics</i> , 2018, 9, 817-828.	2.7	26
133	A new region-aware bias-correction method for simulated precipitation in areas of complex orography. <i>Geoscientific Model Development</i> , 2018, 11, 2231-2247.	1.3	15
134	Long-Term Climate Simulations Using the IITM Earth System Model (IITM-ESMv2) With Focus on the South Asian Monsoon. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1127-1149.	1.3	28
135	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
136	Revisiting the CMIP5 Thermocline in the Equatorial Pacific and Atlantic Oceans. <i>Geophysical Research Letters</i> , 2018, 45, 12,963.	1.5	14
137	Influence of Model Bias on Simulating North Atlantic Sea Surface Temperature During the Mid-Pliocene. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 884-893.	1.3	2
139	Critical Southern Ocean climate model biases traced to atmospheric model cloud errors. <i>Nature Communications</i> , 2018, 9, 3625.	5.8	109
140	Links between Temperature Biases and Flow Anomalies in an Ensemble of CNRM-CM5.1 Global Climate Model Historical Simulations. <i>Advances in Meteorology</i> , 2018, 2018, 1-10.	0.6	4
141	Projections of East Asian summer monsoon change at global warming of 1.5°C and 2°C. <i>Earth System Dynamics</i> , 2018, 9, 427-439.	2.7	20
142	Assessing the Dynamic Versus Thermodynamic Origin of Climate Model Biases. <i>Geophysical Research Letters</i> , 2018, 45, 8471-8479.	1.5	30
143	Origin of Warm SST Bias over the Atlantic Cold Tongue in the Coupled Climate Model FGOALS-g2. <i>Atmosphere</i> , 2018, 9, 275.	1.0	5
144	Impact of deep ocean mixing on the climatic mean state in the Southern Ocean. <i>Scientific Reports</i> , 2018, 8, 14479.	1.6	32
145	Improving the representation of anthropogenic CO ₂ emissions in climate models: impact of a new parameterization for the Community Earth System Model (CESM). <i>Earth System Dynamics</i> , 2018, 9, 1045-1062.	2.7	13
146	Future Drying in Central America and Northern South America Linked With Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , 2018, 45, 9226-9235.	1.5	10
147	The Impact of Indian Ocean Mean-State Biases in Climate Models on the Representation of the East African Short Rains. <i>Journal of Climate</i> , 2018, 31, 6611-6631.	1.2	33
148	Calibrating Climate Model Ensembles for Assessing Extremes in a Changing Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5988-6004.	1.2	19
149	A Process-Based Assessment of CMIP5 Rainfall in the Congo Basin: The September–November Rainy Season. <i>Journal of Climate</i> , 2018, 31, 7417-7439.	1.2	35
150	Global and Arctic climate sensitivity enhanced by changes in North Pacific heat flux. <i>Nature Communications</i> , 2018, 9, 3124.	5.8	39

#	ARTICLE	IF	CITATIONS
151	SST biases over the Northwest Pacific and possible causes in CMIP5 models. <i>Science China Earth Sciences</i> , 2018, 61, 792-803.	2.3	10
152	Underestimated AMOC Variability and Implications for AMV and Predictability in CMIP Models. <i>Geophysical Research Letters</i> , 2018, 45, 4319-4328.	1.5	78
153	Assessing the vulnerability of freshwater crayfish to climate change. <i>Diversity and Distributions</i> , 2018, 24, 1830-1843.	1.9	27
154	The Relative Influence of Atmospheric and Oceanic Model Resolution on the Circulation of the North Atlantic Ocean in a Coupled Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2026-2041.	1.3	50
155	The Signature of Oceanic Processes in Decadal Extratropical SST Anomalies. <i>Geophysical Research Letters</i> , 2018, 45, 7719-7730.	1.5	17
156	Sinking of Dense North Atlantic Waters in a Global Ocean Model: Location and Controls. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3563-3576.	1.0	41
157	Mesoscale Effects on Carbon Export: A Global Perspective. <i>Global Biogeochemical Cycles</i> , 2018, 32, 680-703.	1.9	39
158	Revision of global carbon fluxes based on a reassessment of oceanic and riverine carbon transport. <i>Nature Geoscience</i> , 2018, 11, 504-509.	5.4	95
159	Loss of predictive skill of Indian summer monsoon rainfall in NCEP CFSv2 due to misrepresentation of Atlantic zonal mode. <i>Climate Dynamics</i> , 2019, 52, 4599-4619.	1.7	16
160	The Stability of the AMOC During Heinrich Events Is Not Dependent on the AMOC Strength in an Intermediate Complexity Earth System Model Ensemble. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1359-1374.	1.3	4
161	Three-ocean interactions and climate variability: a review and perspective. <i>Climate Dynamics</i> , 2019, 53, 5119-5136.	1.7	207
162	Impacts of recent decadal changes in Asian aerosols on the East Asian summer monsoon: roles of aerosol-radiation and aerosol-cloud interactions. <i>Climate Dynamics</i> , 2019, 53, 3235-3256.	1.7	62
163	Impact of air-sea coupling on Northern Hemisphere summer climate and the monsoon-desert teleconnection. <i>Climate Dynamics</i> , 2019, 53, 5063-5078.	1.7	3
164	Atmospheric pathway between Atlantic multidecadal variability and European summer temperature in the atmospheric general circulation model ECHAM6. <i>Climate Dynamics</i> , 2019, 53, 209-224.	1.7	8
165	Understanding Intermodel Diversity of CMIP5 Climate Models in Simulating East Asian Marginal Sea Surface Temperature in the Near Future (2020-2049). <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5607-5617.	1.0	1
166	Coupling Ocean Currents and Waves with Wind Stress over the Gulf Stream. <i>Remote Sensing</i> , 2019, 11, 1476.	1.8	21
167	The double ITCZ syndrome in GCMs: A coupled feedback problem among convection, clouds, atmospheric and ocean circulations. <i>Atmospheric Research</i> , 2019, 229, 255-268.	1.8	35
168	A Comparative Analysis of the Historical Accuracy of the Point Precipitation Frequency Estimates of Four Data Sets and Their Projections for the Northeastern United States. <i>Water (Switzerland)</i> , 2019, 11, 1279.	1.2	9

#	ARTICLE	IF	CITATIONS
169	Sensitivity of deep ocean biases to horizontal resolution in prototype CMIP6 simulations with AWI-CM1.0. <i>Geoscientific Model Development</i> , 2019, 12, 2635-2656.	1.3	27
170	Uncertainty in the Evolution of Climate Feedback Traced to the Strength of the Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , 2019, 46, 12331-12339.	1.5	13
171	Downscaling Last Glacial Maximum climate over southern Africa. <i>Quaternary Science Reviews</i> , 2019, 226, 105879.	1.4	54
172	Tropical Atlantic Variability: Observations and Modeling. <i>Atmosphere</i> , 2019, 10, 502.	1.0	22
173	Ocean Dynamics Shapes the Structure and Timing of Atlantic Equatorial Modes. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7529-7544.	1.0	24
174	Projected near term changes in the East Asian summer monsoon and its uncertainty. <i>Environmental Research Letters</i> , 2019, 14, 084038.	2.2	9
175	Warm bias of sea surface temperature in Eastern boundary current regions—a study of effects of horizontal resolution in CESM. <i>Ocean Dynamics</i> , 2019, 69, 939-954.	0.9	11
176	Projected Slowdown of Antarctic Bottom Water Formation in Response to Amplified Meltwater Contributions. <i>Journal of Climate</i> , 2019, 32, 6319-6335.	1.2	42
177	Max Planck Institute Earth System Model (MPI-ESM1.2) for the High-Resolution Model Intercomparison Project (HighResMIP). <i>Geoscientific Model Development</i> , 2019, 12, 3241-3281.	1.3	201
178	Indian Ocean warming can strengthen the Atlantic meridional overturning circulation. <i>Nature Climate Change</i> , 2019, 9, 747-751.	8.1	70
179	Connecting AMOC changes. <i>Nature Climate Change</i> , 2019, 9, 729-730.	8.1	3
180	Towards operational predictions of the near-term climate. <i>Nature Climate Change</i> , 2019, 9, 94-101.	8.1	116
181	The IITM Earth System Model (ESM): Development and Future Roadmap. <i>Springer Atmospheric Sciences</i> , 2019, , 183-195.	0.4	13
182	Fast SST error growth in the southeast Pacific Ocean: comparison between high and low-resolution CCSM4 retrospective forecasts. <i>Climate Dynamics</i> , 2019, 53, 5237-5251.	1.7	4
183	Evaluation of CMIP5 climate model projections for surface wind speed over the Indian Ocean region. <i>Climate Dynamics</i> , 2019, 53, 5415-5435.	1.7	25
184	The effect of univariate bias adjustment on multivariate hazard estimates. <i>Earth System Dynamics</i> , 2019, 10, 31-43.	2.7	59
185	The Brazilian Earth System Model ocean-atmosphere (BESM-OA) version 2.5: evaluation of its CMIP5 historical simulation. <i>Geoscientific Model Development</i> , 2019, 12, 1613-1642.	1.3	25
186	Current and Future Variations of the Monsoons of the Americas in a Warming Climate. <i>Current Climate Change Reports</i> , 2019, 5, 125-144.	2.8	58

#	ARTICLE	IF	CITATIONS
187	Evaluation of CMIP6 DECK Experiments With CNRMâ€œCM6â€œ. Journal of Advances in Modeling Earth Systems, 2019, 11, 2177-2213.	1.3	494
188	Assessing the impacts of uncertainty in climateâ€œchange vulnerability assessments. Diversity and Distributions, 2019, 25, 1234-1245.	1.9	7
189	Role of SST feedback in the prediction of the boreal summer monsoon intraseasonal oscillation. Climate Dynamics, 2019, 53, 3861-3875.	1.7	6
190	Process-Oriented Evaluation of Climate and Weather Forecasting Models. Bulletin of the American Meteorological Society, 2019, 100, 1665-1686.	1.7	36
191	The Tropical Atlantic Observing System. Frontiers in Marine Science, 2019, 6, .	1.2	80
192	Intermodel Diversity in the Zonal Location of the Climatological East Asian Westerly Jet Core in Summer and Association with Rainfall over East Asia in CMIP5 Models. Advances in Atmospheric Sciences, 2019, 36, 614-622.	1.9	8
193	A Review of the Role of the Atlantic Meridional Overturning Circulation in Atlantic Multidecadal Variability and Associated Climate Impacts. Reviews of Geophysics, 2019, 57, 316-375.	9.0	298
194	A Hybrid Coupled Ocean-Atmosphere Model and Its Simulation of ENSO and Atmospheric Responses. Advances in Atmospheric Sciences, 2019, 36, 643-657.	1.9	4
195	Seasonal prediction of equatorial Atlantic sea surface temperature using simple initialization and bias correction techniques. Atmospheric Science Letters, 2019, 20, e898.	0.8	21
196	Upwelling in the Ocean Basins North of the ACC: 1. On the Upwelling Exposed by the Surface Distribution of $\hat{\tau}^{14}$. Journal of Geophysical Research: Oceans, 2019, 124, 2591-2608.	1.0	25
197	Using a Scenarioâ€œNeutral Framework to Avoid Potential Maladaptation to Future Flood Risk. Water Resources Research, 2019, 55, 1079-1104.	1.7	37
198	Upwelling in the Ocean Basins North of the ACC: 2. How Cool Subantarctic Water Reaches the Surface in the Tropics. Journal of Geophysical Research: Oceans, 2019, 124, 2609-2625.	1.0	14
199	Key Role of the Ocean Western Boundary currents in shaping the Northern Hemisphere climate. Scientific Reports, 2019, 9, 3014.	1.6	20
200	Relationships among Intermodel Spread and Biases in Tropical Atlantic Sea Surface Temperatures. Journal of Climate, 2019, 32, 3615-3635.	1.2	6
201	Development of a REgionâ€œSpecific Ecosystem Feedback Fire (RESFire) Model in the Community Earth System Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 417-445.	1.3	20
202	The Plausibility of Septemberâ€œNovember Congo Basin Rainfall Change in Coupled Climate Models. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5822-5846.	1.2	13
203	Projected near-term changes in three types of heat waves over China under RCP4.5. Climate Dynamics, 2019, 53, 3751-3769.	1.7	22
204	Effects of High Resolution and Spinup Time on Modeled North Atlantic Circulation. Journal of Physical Oceanography, 2019, 49, 1159-1181.	0.7	8

#	ARTICLE	IF	CITATIONS
205	Satellite-based soil moisture provides missing link between summertime precipitation and surface temperature biases in CMIP5 simulations over conterminous United States. <i>Scientific Reports</i> , 2019, 9, 1657.	1.6	22
206	Improving the Upperâ€œOcean Temperature in an Ocean Climate Model (FESOM 1.4): Shortwave Penetration Versus Mixing Induced by Nonbreaking Surface Waves. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 545-557.	1.3	13
207	The Strength of Low-Cloud Feedbacks and Tropical Climate: A CESM Sensitivity Study. <i>Journal of Climate</i> , 2019, 32, 2497-2516.	1.2	20
208	Current Trends in the Representation of Physical Processes in Weather and Climate Models. Springer Atmospheric Sciences, 2019, , .	0.4	4
209	Improvement in the decadal prediction skill of the North Atlantic extratropical winter circulation through increased model resolution. <i>Earth System Dynamics</i> , 2019, 10, 901-917.	2.7	7
210	Analysis of the position and strength of westerlies and trades with implications for Agulhas leakage and South Benguela upwelling. <i>Earth System Dynamics</i> , 2019, 10, 847-858.	2.7	5
211	Anthropogenically Forced Decadal Change of South Asian Summer Monsoon Across the Midâ€œ1990s. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 806-824.	1.2	15
212	The impact of climate model sea surface temperature biases on tropical cyclone simulations. <i>Climate Dynamics</i> , 2019, 53, 173-192.	1.7	35
213	Atmosphere surface storm track response to resolved ocean mesoscale in two sets of global climate model experiments. <i>Climate Dynamics</i> , 2019, 52, 2067-2089.	1.7	41
214	Effect of recent Atlantic warming in strengthening Atlanticâ€œPacific teleconnection on interannual timescale via enhanced connection with the pacific meridional mode. <i>Climate Dynamics</i> , 2019, 53, 371-387.	1.7	32
215	Global Meridional Overturning Circulation Inferred From a Dataâ€œConstrained Ocean & Seaâ€œIce Model. <i>Geophysical Research Letters</i> , 2019, 46, 1521-1530.	1.5	19
216	Coupled Data Assimilation and Ensemble Initialization with Application to Multiyear ENSO Prediction. <i>Journal of Climate</i> , 2019, 32, 997-1024.	1.2	29
217	Taking climate model evaluation to the next level. <i>Nature Climate Change</i> , 2019, 9, 102-110.	8.1	407
218	How Does the Seasonal Cycle Control Equatorial Atlantic Interannual Variability?. <i>Geophysical Research Letters</i> , 2019, 46, 916-922.	1.5	14
219	An Externally Forced Decadal Rainfall Seesaw Pattern Over the Sahel and Southeast Amazon. <i>Geophysical Research Letters</i> , 2019, 46, 923-932.	1.5	31
220	A Modified Vertical Mixing Parameterization for Its Improved Ocean and Coupled Simulations in the Tropical Pacific. <i>Journal of Physical Oceanography</i> , 2019, 49, 21-37.	0.7	24
221	Understanding the Uncertainty in the 21st Century Dynamic Sea Level Projections: The Role of the AMOC. <i>Geophysical Research Letters</i> , 2019, 46, 210-217.	1.5	26
222	Spatio-temporal quantification of climate model errors in a Bayesian framework. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 111-124.	1.9	2

#	ARTICLE	IF	CITATIONS
223	Surface winds from atmospheric reanalysis lead to contrasting oceanic forcing and coastal upwelling patterns. <i>Ocean Modelling</i> , 2019, 133, 79-111.	1.0	20
224	Computer Model Calibration with Large Non-Stationary Spatial Outputs: Application to the Calibration of a Climate Model. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2019, 68, 51-78.	0.5	13
225	Precipitation Extremes in the West African Sahel. , 2019, , 95-138.		8
226	Trends in winter circulation over the British Isles and central Europe in twenty-first century projections by 25 CMIP5 GCMs. <i>Climate Dynamics</i> , 2019, 52, 1063-1075.	1.7	17
227	Challenges to link climate change data provision and user needs: Perspective from the COST Action VALUE. <i>International Journal of Climatology</i> , 2019, 39, 3704-3716.	1.5	23
228	An assessment of scale-dependent variability and bias in global prediction models. <i>Climate Dynamics</i> , 2020, 54, 287-306.	1.7	9
230	Skill and uncertainty in surface wind fields from general circulation models: Intercomparison of bias between AGCM, AOGCM and ESM global simulations. <i>International Journal of Climatology</i> , 2020, 40, 2659-2673.	1.5	14
231	Near-term impacts of climate variability and change on hydrological systems in West and Central Africa. <i>Climate Dynamics</i> , 2020, 54, 2041-2070.	1.7	21
232	The Pacific Decadal Oscillation less predictable under greenhouse warming. <i>Nature Climate Change</i> , 2020, 10, 30-34.	8.1	60
233	Projected spatial patterns in precipitation and air temperature for China's northwest region derived from high-resolution regional climate models. <i>International Journal of Climatology</i> , 2020, 40, 3922-3941.	1.5	16
234	Salinity Biases and the Variability of the Atlantic Meridional Overturning Circulation in GFDL-CM3. <i>Ocean Science Journal</i> , 2020, 55, 505-520.	0.6	1
235	Identifying the Externally Forced Atlantic Multidecadal Variability Signal Through Florida Rainfall. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088361.	1.5	2
236	Simulations for CMIP6 With the AWI Climate Model AWI-CM-1-1. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002009.	1.3	72
237	A New Ensemble-Based Approach to Correct the Systematic Ocean Temperature Bias of CAS-ESM to Improve Its Simulation and Data Assimilation Abilities. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016406.	1.0	7
238	Reducing Numerical Diffusion in Dynamical Coupling Between Atmosphere and Ocean in Community Earth System Model Version 1.2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002052.	1.3	1
239	Evaluation of Global Ocean Models on Simulating the Deep Western Boundary Current in the Pacific. <i>Atmosphere - Ocean</i> , 2020, 58, 219-230.	0.6	2
240	Evaluation of FIO-ESM v1.0 Seasonal Prediction Skills Over the North Pacific. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	8
241	Indian Ocean Dipole in CMIP5 and CMIP6: characteristics, biases, and links to ENSO. <i>Scientific Reports</i> , 2020, 10, 11500.	1.6	94

#	ARTICLE	IF	CITATIONS
242	Four-dimensional structure and sub-seasonal regulation of the Indian summer monsoon multi-decadal mode. <i>Climate Dynamics</i> , 2020, 55, 2645-2666.	1.7	20
243	Interdecadal modulation of ENSO amplitude by the Atlantic multi-decadal oscillation (AMO). <i>Climate Dynamics</i> , 2020, 55, 2689-2702.	1.7	14
244	An overview of the performance of CMIP6 models in the tropical Atlantic: mean state, variability, and remote impacts. <i>Climate Dynamics</i> , 2020, 55, 2579-2601.	1.7	72
245	Simulation and Improvements of Oceanic Circulation and Sea Ice by the Coupled Climate System Model FGOALS-f3-L. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 1133-1148.	1.9	5
246	Does regional air-sea coupling improve the simulation of the summer monsoon over the western North Pacific in the WRF4 model?. <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 500-508.	0.5	3
247	Resolution dependence of CO2-induced Tropical Atlantic sector climate changes. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	2.6	10
248	Impact of bias correction of regional climate model boundary conditions on the simulation of precipitation extremes. <i>Climate Dynamics</i> , 2020, 55, 3507-3526.	1.7	25
249	Refining projected multidecadal hydroclimate uncertainty in East-Central Europe using CMIP5 and single-model large ensemble simulations. <i>Theoretical and Applied Climatology</i> , 2020, 142, 1147-1167.	1.3	7
250	Ocean-Only FAFMIP: Understanding Regional Patterns of Ocean Heat Content and Dynamic Sea Level Change. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002027.	1.3	24
251	Impact of ocean resolution and mean state on the rate of AMOC weakening. <i>Climate Dynamics</i> , 2020, 55, 1711-1732.	1.7	45
252	Walker circulation response to extratropical radiative forcing. <i>Science Advances</i> , 2020, 6, .	4.7	51
253	Quantifying Structural Uncertainty in Paleoclimate Data Assimilation With an Application to the Last Millennium. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090485.	1.5	14
254	Dynamics of woody plant cover in the Sahelian agroecosystems of the northern region of Burkina Faso since the 1970s-1980s droughts. <i>Canadian Journal of Forest Research</i> , 2020, 50, 659-669.	0.8	1
255	Regional Dynamic Sea Level Simulated in the CMIP5 and CMIP6 Models: Mean Biases, Future Projections, and Their Linkages. <i>Journal of Climate</i> , 2020, 33, 6377-6398.	1.2	58
256	Role of Tropical Variability in Driving Decadal Shifts in the Southern Hemisphere Summertime Eddy-Driven Jet. <i>Journal of Climate</i> , 2020, 33, 5445-5463.	1.2	27
257	Pacific Mean-State Control of Atlantic Multidecadal Oscillation-El Niño Relationship. <i>Journal of Climate</i> , 2020, 33, 4273-4291.	1.2	12
258	Presentation and Evaluation of the IPSL-CM6A-LR Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002010.	1.3	541
259	Impacts of atmosphere-sea ice-ocean interaction on Southern Ocean deep convection in a climate system model. <i>Climate Dynamics</i> , 2020, 54, 4075-4093.	1.7	9

#	ARTICLE	IF	CITATIONS
260	A new DRP-4DVar-based coupled data assimilation system for decadal predictions using a fast online localization technique. <i>Climate Dynamics</i> , 2020, 54, 3541-3559.	1.7	8
261	Evaluation of historical CMIP6 model simulations of extreme precipitation over contiguous US regions. <i>Weather and Climate Extremes</i> , 2020, 29, 100268.	1.6	111
262	The effect of vertical ocean mixing on the tropical Atlantic in a coupled global climate model. <i>Climate Dynamics</i> , 2020, 54, 5089-5109.	1.7	9
263	Attribution of 2012 extreme climate events: does air-sea interaction matter?. <i>Climate Dynamics</i> , 2020, 55, 1225-1245.	1.7	2
264	Discovery of Chile Ni \pm o/Ni \pm a. <i>Geophysical Research Letters</i> , 2020, 47, no.	1.5	13
265	The Impact of Sea Surface Temperature Biases on North American Precipitation in a High-Resolution Climate Model. <i>Journal of Climate</i> , 2020, 33, 2427-2447.	1.2	14
266	The Impacts of Horizontal Resolution on the Seasonally Dependent Biases of the Northeastern Pacific ITCZ in Coupled Climate Models. <i>Journal of Climate</i> , 2020, 33, 941-957.	1.2	11
267	Impact of horizontal resolution on sea surface temperature bias and air-sea interactions over the tropical Indian Ocean in CFSv2 coupled model. <i>International Journal of Climatology</i> , 2020, 40, 4903-4921.	1.5	5
268	Pantropical Response to Global Warming and the Emergence of a La Niña-like Mean State Trend. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086497.	1.5	6
269	Antarctic Glacial Melt as a Driver of Recent Southern Ocean Climate Trends. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086892.	1.5	34
270	Improved ENSO Prediction Skill Resulting From Reduced Climate Drift in IAP-DecPreS: A Comparison of Full-Field and Anomaly Initializations. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001759.	1.3	7
271	On the essentials of drought in a changing climate. <i>Science</i> , 2020, 368, 256-260.	6.0	258
272	Comparing and synthesizing quantitative distribution models and qualitative vulnerability assessments to project marine species distributions under climate change. <i>PLoS ONE</i> , 2020, 15, e0231595.	1.1	12
273	Global and regional evolution of sea surface temperature under climate change. <i>Global and Planetary Change</i> , 2020, 190, 103190.	1.6	37
274	A Satellite Era Warming Hole in the Equatorial Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015834.	1.0	9
275	Assessment of South America summer rainfall climatology and trends in a set of global climate models large ensembles. <i>International Journal of Climatology</i> , 2021, 41, E59.	1.5	30
276	Atlantic Meridional Overturning Circulation reconstructions and instrumentally observed multidecadal climate variability: A comparison of indicators. <i>International Journal of Climatology</i> , 2021, 41, 763-778.	1.5	15
277	Anatomy of the Indian Summer Monsoon and ENSO relationships in state-of-the-art CGCMs: role of the tropical Indian Ocean. <i>Climate Dynamics</i> , 2021, 56, 329-356.	1.7	9

#	ARTICLE	IF	CITATIONS
278	Impacts of the Atlantic warm pool on North American precipitation and global sea surface temperature in a coupled general circulation model. <i>Climate Dynamics</i> , 2021, 56, 1163-1181.	1.7	6
279	Responses of the East Asian summer monsoon to aerosol forcing in <sc>CMIP5</sc> models: The role of upper-tropospheric temperature change. <i>International Journal of Climatology</i> , 2021, 41, 1555-1570.	1.5	12
280	Impacts and socioeconomic exposures of global extreme precipitation events in 1.5 and 2.0°C warmer climates. <i>Science of the Total Environment</i> , 2021, 766, 142665.	3.9	49
281	Projected Changes in Temperature and Precipitation Over the United States, Central America, and the Caribbean in CMIP6 GCMs. <i>Earth Systems and Environment</i> , 2021, 5, 1-24.	3.0	125
282	Assessment of Ocean-Atmosphere Interactions for the Boreal Summer Intraseasonal Oscillations in CMIP5 Models over the Indian Monsoon Region. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021, 57, 717-739.	1.3	7
283	The Andes and the Southeast Pacific Cold Tongue Simulation. <i>Journal of Climate</i> , 2021, 34, 415-425.	1.2	1
284	Dynamical Downscaling. , 2021, , 64-81.		0
285	Uncertainty in Future Projections, and Approaches for Representing Uncertainty. , 2021, , 121-138.		0
286	Added Value of Downscaling. , 2021, , 102-120.		1
287	Guidance and Recommendations for Use of (Downscaled) Climate Information. , 2021, , 139-156.		0
288	Impacts, Adaptation, Vulnerability, and Decision-Making. , 2021, , 1-18.		0
290	Assessing Climate-Change Impacts at the Regional Scale. , 2021, , 40-63.		0
292	Global Climate Models. , 2021, , 19-39.		0
293	Empirical-Statistical Downscaling. , 2021, , 82-101.		2
295	The Future of Regional Downscaling. , 2021, , 157-165.		0
296	Is There a Tropical Response to Recent Observed Southern Ocean Cooling?. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091235.	1.5	20
297	Coupling ocean-atmosphere intensity determines ocean chlorophyll-induced SST change in the tropical Pacific. <i>Climate Dynamics</i> , 2021, 56, 3775-3795.	1.7	2
300	A multivariate assessment of climate change projections over South America using the fifth phase of the Coupled Model Intercomparison Project. <i>International Journal of Climatology</i> , 2021, 41, 4265-4282.	1.5	8

#	ARTICLE	IF	CITATIONS
301	Emulating Ocean Dynamic Sea Level by Two-Layer Pattern Scaling. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002323.	1.3	19
303	Korea Institute of Ocean Science and Technology Earth System Model and Its Simulation Characteristics. <i>Ocean Science Journal</i> , 2021, 56, 18-45.	0.6	28
304	Multicentennial Variability Driven by Salinity Exchanges Between the Atlantic and the Arctic Ocean in a Coupled Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002366.	1.3	28
305	The Thermocline Biases in the Tropical North Pacific and Their Attributions. <i>Journal of Climate</i> , 2021, 34, 1635-1648.	1.2	10
306	Over-projected Pacific warming and extreme El Niño frequency due to CMIP5 common biases. <i>National Science Review</i> , 2021, 8, nwab056.	4.6	20
307	Marine Climate Projections Toward the End of the Twenty-First Century in the North Atlantic. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2021, 143, .	0.6	9
308	Impacts of Tropical North Atlantic and Equatorial Atlantic SST Anomalies on ENSO. <i>Journal of Climate</i> , 2021, , 1-58.	1.2	24
309	Ocean surface current multiscale observation mission (OSCOM): Simultaneous measurement of ocean surface current, vector wind, and temperature. <i>Progress in Oceanography</i> , 2021, 193, 102531.	1.5	24
310	Addressing partial identification in climate modeling and policy analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
311	Skillful prediction of tropical Pacific fisheries provided by Atlantic Niños. <i>Environmental Research Letters</i> , 2021, 16, 054066.	2.2	5
312	Projected evolution of drought characteristics in Vietnam based on CORDEX-SEA downscaled CMIP5 data. <i>International Journal of Climatology</i> , 2021, 41, 5733-5751.	1.5	9
313	CMIP5 model performance of significant wave heights over the Indian Ocean using COWCLIP datasets. <i>Theoretical and Applied Climatology</i> , 2021, 145, 377-392.	1.3	9
314	Decadal variability modulates trends in concurrent heat and drought over global croplands. <i>Environmental Research Letters</i> , 2021, 16, 055024.	2.2	30
315	Influence of Tibetan Plateau on the North American summer monsoon precipitation. <i>Climate Dynamics</i> , 2021, 57, 3093-3110.	1.7	2
316	Impacts of Atlantic multidecadal variability on the tropical Pacific: a multi-model study. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	2.6	29
317	Atlantic Multidecadal Oscillation Drives Interdecadal Pacific Variability via Tropical Atmospheric Bridge. <i>Journal of Climate</i> , 2021, 34, 5543-5553.	1.2	14
318	Exploring the future of the Coral Sea micronekton. <i>Progress in Oceanography</i> , 2021, 195, 102593.	1.5	4
319	A Shallow Thermocline Bias in the Southern Tropical Pacific in CMIP5/6 Models Linked to Double-ITCZ Bias. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093818.	1.5	5

#	ARTICLE	IF	CITATIONS
321	Hydroclimate Dipole Drives Multi-Centennial Variability in the Western Tropical North Atlantic Margin During the Middle and Late Holocene. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004184.	1.3	6
322	Spatio-temporal variations of chlorophyll from satellite derived data and CMIP5 models along Indian coastal regions. <i>Journal of Earth System Science</i> , 2021, 130, 1.	0.6	2
323	Revealing the Impact of Global Heating on North Atlantic Circulation Using Transparent Machine Learning. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002496.	1.3	16
324	Rapid Sea-Level Rise in the Southern-Hemisphere Subtropical Oceans. <i>Journal of Climate</i> , 2021, , 1-55.	1.2	8
325	Changes of South-Central Pacific Large-Scale Environment Associated With Hydrometeors-Radiation-Circulation Interactions in a Coupled GCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034973.	1.2	4
326	Subantarctic Mode Water and its long-term change in CMIP6 models. <i>Journal of Climate</i> , 2021, , 1-51.	1.2	3
327	Differences in multi-model ensembles of CMIP5 and CMIP6 projections for future droughts in South Korea. <i>International Journal of Climatology</i> , 2022, 42, 2688-2716.	1.5	25
328	Changes in the ENSO-ISMR relationship in the historical and future projection periods based on coupled models. <i>International Journal of Climatology</i> , 2022, 42, 2225-2245.	1.5	2
329	The Fall and Rise of the Global Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002781.	1.3	2
330	The blessing of dimensionality for the analysis of climate data. <i>Nonlinear Processes in Geophysics</i> , 2021, 28, 409-422.	0.6	1
331	The Cause of the Large Cold Bias in the Northwestern Pacific Ocean. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094616.	1.5	1
332	A Data Set for Intercomparing the Transient Behavior of Dynamical Model-Based Subseasonal to Decadal Climate Predictions. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002570.	1.3	5
333	Uncertainties in the surface layer physics parameterizations. , 2021, , 229-236.		0
334	Projected near-term changes in temperature extremes over China in the mid-twenty-first century and underlying physical processes. <i>Climate Dynamics</i> , 2021, 56, 1879-1894.	1.7	7
335	The Atlantic Multidecadal Oscillation and Indian summer monsoon variability: a revisit. , 2021, , 353-374.		2
336	Tropical Indian Ocean and ENSO relationships in a changed climate. <i>Climate Dynamics</i> , 2021, 56, 3255-3276.	1.7	15
337	Opinion: Cloud-phase climate feedback and the importance of ice-nucleating particles. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 665-679.	1.9	78
338	Projected Seasonal Changes in Large-Scale Global Precipitation and Temperature Extremes Based on the CMIP5 Ensemble. <i>Journal of Climate</i> , 2020, 33, 5651-5671.	1.2	39

#	ARTICLE	IF	CITATIONS
339	The Southeastern Tropical Atlantic SST Bias Investigated with a Coupled Atmosphere–Ocean Single-Column Model at a PIRATA Mooring Site. <i>Journal of Climate</i> , 2020, 33, 6255-6271.	1.2	6
340	On the Correspondence between Seasonal Forecast Biases and Long-Term Climate Biases in Sea Surface Temperature. <i>Journal of Climate</i> , 2020, 34, 427-446.	1.2	7
341	Projected sea surface temperatures over the 21st century: Changes in the mean, variability and extremes for large marine ecosystem regions of Northern Oceans. <i>Elementa</i> , 2018, 6, .	1.1	148
342	Adapting wheat ideotypes for climate change: accounting for uncertainties in CMIP5 climate projections. <i>Climate Research</i> , 2015, 65, 123-139.	0.4	65
343	Response of dune activity on the Tibetan Plateau to near future climate change. <i>Climate Research</i> , 2016, 69, 1-8.	0.4	6
344	Implementation of a new empirical relationship between aerosol and cloud droplet concentrations in a climate model. <i>Climate Research</i> , 2016, 70, 57-76.	0.4	1
346	A volumetric census of the Barents Sea in a changing climate. <i>Earth System Science Data</i> , 2020, 12, 2447-2457.	3.7	5
347	The Flexible Ocean and Climate Infrastructure version 1 (FOCI1): mean state and variability. <i>Geoscientific Model Development</i> , 2020, 13, 2533-2568.	1.3	24
348	Overview of the Norwegian Earth System Model (NorESM2) and key climate response of CMIP6 DECK, historical, and scenario simulations. <i>Geoscientific Model Development</i> , 2020, 13, 6165-6200.	1.3	280
351	Potential Impact of Climate Change Analysis on the Management of Water Resources under Stressed Quantity and Quality Scenarios. <i>Water (Switzerland)</i> , 2021, 13, 2984.	1.2	3
357	Predictability of the Chile Niño/Niña. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095309.	1.5	2
358	Assessment of responses of North Atlantic winter sea surface temperature to the North Atlantic Oscillation on an interannual scale in 13 CMIP5 models. <i>Ocean Science</i> , 2020, 16, 1509-1527.	1.3	6
359	Brazilian biomes distribution: Past and future. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 585, 110717.	1.0	15
360	Modeling Coral Bleaching Mitigation Potential of Water Vertical Translocation – An Analogue to Geoen지니어ed Artificial Upwelling. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	2
361	Enhanced Eastern Pacific ENSO–Tropical North Atlantic Connection Under Greenhouse Warming. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095332.	1.5	6
362	Meridional Eddy Heat Transport Variability in the Surface Mixed Layer of the Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017789.	1.0	0
363	Evaluation of South Atlantic Thermohaline Properties from BESM-OA2.5 and Three Additional Global Climate Models. <i>Ocean and Coastal Research</i> , 0, 69, .	0.3	2
364	Disentangling the effect of regional SST bias on the double-ITCZ problem. <i>Climate Dynamics</i> , 2022, 58, 3441-3453.	1.7	3

#	ARTICLE	IF	CITATIONS
365	Importance of ocean initial conditions of late autumn on winter seasonal prediction skill in atmosphere-land-ocean-sea ice coupled forecast system. <i>Climate Dynamics</i> , 2022, 58, 3427-3440.	1.7	2
366	Strengthening impacts of spring sea surface temperature in the north tropical Atlantic on Indian Ocean dipole after the mid-1980s. <i>Climate Dynamics</i> , 2022, 59, 185-200.	1.7	18
367	PARASO, a circum-Antarctic fully coupled ice-sheet-ocean-sea-ice-atmosphere-land model involving f.ETISH1.7, NEMO3.6, LIM3.6, COSMO5.0 and CLM4.5. <i>Geoscientific Model Development</i> , 2022, 15, 553-594.	1.3	15
368	Subsurface warm biases in the tropical Atlantic and their attributions to the role of wind forcing and ocean vertical mixing. <i>Journal of Climate</i> , 2022, , 1-28.	1.2	2
369	Impact of increased resolution on long-standing biases in HighResMIP-PRIMAVERA climate models. <i>Geoscientific Model Development</i> , 2022, 15, 269-289.	1.3	22
370	Improved Simulation of ENSO Variability Through Feedback From the Equatorial Atlantic in a Pacemaker Experiment. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
371	Robustness of Competing Climatic States. <i>Journal of Climate</i> , 2022, 35, 2769-2784.	1.2	8
372	Anthropogenically forced increases in compound dry and hot events at the global and continental scales. <i>Environmental Research Letters</i> , 2022, 17, 024018.	2.2	12
373	A Decomposition of Feedback Contributions to the Arctic Surface Temperature Biases in the CMIP5 Climate Models. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 0, , 1.	1.3	0
374	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
375	Atmosphere-driven cold SST biases over the western North Pacific in the GloSea5 seasonal forecast system. <i>Climate Dynamics</i> , 2022, 59, 2571-2584.	1.7	1
376	Evaluation of Simulated Cloud Diurnal Variation in CMIP6 Climate Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	10
377	Effects of Sea Spray on Large-Scale Climatic Features over the Southern Ocean. <i>Journal of Climate</i> , 2022, 35, 4645-4663.	1.2	5
378	Changes in Interannual Tropical Atlantic-Pacific Basin Interactions Modulated by a South Atlantic Cooling. <i>Journal of Climate</i> , 2022, 35, 4403-4416.	1.2	2
380	Emergent Constraints on Future Expansion of the Indo-Pacific Warm Pool. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	9
381	Tanzania short rains and its relations to Trans-Atlantic-Pacific Ocean Dipole-like pattern. <i>International Journal of Climatology</i> , 2022, 42, 4669-4683.	1.5	3
382	Poleward expansion of tropical cyclone latitudes in warming climates. <i>Nature Geoscience</i> , 2022, 15, 14-28.	5.4	63
383	Model errors of an intermediate model and their effects on realistic predictions of El Niño diversity. <i>International Journal of Climatology</i> , 2022, 42, 7443-7464.	1.5	4

#	ARTICLE	IF	CITATIONS
384	CMIP6 Intermodel Spread in Interhemispheric Asymmetry of Tropical Climate Response to Greenhouse Warming: Extratropical Ocean Effects. <i>Journal of Climate</i> , 2022, , 1-49.	1.2	7
385	GLOBAL OCEAN RADIOCARBON PROGRAMS. <i>Radiocarbon</i> , 0, , 1-13.	0.8	3
387	Impact of correcting sub-daily climate model biases for hydrological studies. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1545-1563.	1.9	8
388	Julyâ€September rainfall in the Greater Horn of Africa: the combined influence of the Mascarene and South Atlantic highs. <i>Climate Dynamics</i> , 2022, 59, 3621-3641.	1.7	3
389	Observationally constrained projection of Afro-Asian monsoon precipitation. <i>Nature Communications</i> , 2022, 13, 2552.	5.8	23
390	A Framework to Identify the Uncertainty and Credibility of GCMs for Projected Future Precipitation: A Case Study in the Yellow River Basin, China. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	3
391	Comparing surface wind stress and sea surface temperature biases over the tropical and subtropical oceans in subsets of CMIP6 models categorized by frozen hydrometeors-radiation interactions. <i>Environmental Research Communications</i> , 2022, 4, 055009.	0.9	6
392	An ocean perspective on CMIP6 climate model evaluations. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 201, 105120.	0.6	2
393	Investigating Extratropical Influence on the Equatorial Atlantic Zonal Bias with Regional Data Assimilation. <i>Journal of Climate</i> , 2022, 35, 6101-6117.	1.2	1
394	Seasonal extrema of sea surface temperature in CMIP6 models. <i>Ocean Science</i> , 2022, 18, 839-855.	1.3	5
395	Severe tropical cyclones over southwest Pacific Islands: economic impacts and implications for disaster risk management. <i>Climatic Change</i> , 2022, 172, .	1.7	4
396	Confidence and Uncertainty in Simulating Tropical Cyclone Long-Term Variability Using the CMIP6-HighResMIP. <i>Journal of Climate</i> , 2022, 35, 6431-6451.	1.2	7
397	The circum-Antarctic ice-shelves respond to a more positive Southern Annular Mode with regionally varied melting. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	12
398	Marine Heatwaves and Their Depth Structures on the Northeast U.S. Continental Shelf. <i>Frontiers in Climate</i> , 0, 4, .	1.3	11
399	Impact of symmetric instability parametrization scheme on the upper ocean layer in a high-resolution global ocean model. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, , 105147.	0.6	1
400	Improved ENSO and PDO Prediction Skill Resulting from Finer Parameterization Schemes in a CGCM. <i>Remote Sensing</i> , 2022, 14, 3363.	1.8	2
401	The Role of Anthropogenic Aerosol Forcing in the 1850â€1985 Strengthening of the AMOC in CMIP6 Historical Simulations. <i>Journal of Climate</i> , 2022, 35, 3243-3263.	1.2	11
403	The ExtremeX global climate model experiment: investigating thermodynamic and dynamic processes contributing to weather and climate extremes. <i>Earth System Dynamics</i> , 2022, 13, 1167-1196.	2.7	4

#	ARTICLE	IF	CITATIONS
404	Improved teleconnection between Arctic sea ice and the North Atlantic Oscillation through stochastic process representation. <i>Weather and Climate Dynamics</i> , 2022, 3, 951-975.	1.2	6
405	Assessment of CMIP6 models' performance in simulating present-day climate in Brazil. <i>Frontiers in Climate</i> , 0, 4, .	1.3	10
406	Early Development and Tuning of a Global Coupled Cloud Resolving Model, and its Fast Response to Increasing CO ₂ . <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 74, 346-363.	0.8	3
407	Long-term evolution of ocean eddy activity in a warming world. <i>Nature Climate Change</i> , 2022, 12, 910-917.	8.1	25
408	Soil Organic Carbon Storage in Australian Wheat Cropping Systems in Response to Climate Change from 1990 to 2060. <i>Land</i> , 2022, 11, 1683.	1.2	0
409	Rates of Future Climate Change in the Gulf of Mexico and the Caribbean Sea: Implications for Coral Reef Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	5
411	Linking Large-Scale Double-ITCZ Bias to Local-Scale Drizzling Bias in Climate Models. <i>Journal of Climate</i> , 2022, 35, 7965-7979.	1.2	2
413	Bias Correction and Evaluation of Precipitation Data from the CORDEX Regional Climate Model for Monitoring Climate Change in the Wadi Chemora Basin (Northeastern Algeria). <i>Atmosphere</i> , 2022, 13, 1876.	1.0	8
414	A review of the El Niño-Southern Oscillation in future. <i>Earth-Science Reviews</i> , 2022, 235, 104246.	4.0	9
415	On Oceanic Initial State Errors in the Ensemble Data Assimilation for a Coupled General Circulation Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	2
417	Impacts of Model Horizontal Resolution on Mean Sea Surface Temperature Biases in the Community Earth System Model. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	5
418	Impacts of the strengthened Atlantic meridional overturning circulation on the North Atlantic sea surface temperature: mean state. <i>Climate Dynamics</i> , 2023, 61, 981-998.	1.7	1
419	Examining the Ability of CMIP6 Models to Reproduce the Upwelling SST Imprint in the Eastern Boundary Upwelling Systems. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 1970.	1.2	1
420	Present-day warm pool constrains future tropical precipitation. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	9
421	Projecting the excess mortality related to diurnal temperature range: A nationwide analysis in China. <i>Science of the Total Environment</i> , 2023, 864, 160971.	3.9	1
422	Intermodel uncertainty in response of the Pacific Walker circulation to global warming. <i>Climate Dynamics</i> , 2023, 61, 2317-2337.	1.7	2
423	Evolution Characteristics of the Atlantic Meridional Overturning Circulation and Its Thermodynamic and Dynamic Effects on Surface Air Temperature in the Northern Hemisphere. <i>SCIENTIA SINICA Terrae</i> , 2023, , .	0.1	0
424	Extremes and variability of wind and waves across the oceans until the end of the 21st century. <i>Ocean Engineering</i> , 2023, 275, 114081.	1.9	7

#	ARTICLE	IF	CITATIONS
425	Ocean data assimilation for the initialization of seasonal prediction with the Community Earth System Model. <i>Ocean Modelling</i> , 2023, 183, 102194.	1.0	2
426	Evaluation and projections of extreme precipitation using a spatial extremes framework. <i>International Journal of Climatology</i> , 2023, 43, 3453-3475.	1.5	3
427	Future sea-level projections with a coupled atmosphere-ocean-ice-sheet model. <i>Nature Communications</i> , 2023, 14, .	5.8	1
428	Understanding Models' Global Sea Surface Temperature Bias in Mean State: From CMIP5 to CMIP6. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	13
429	Two regimes of inter-basin interactions between the Atlantic and Pacific Oceans on interannual timescales. <i>Npj Climate and Atmospheric Science</i> , 2023, 6, .	2.6	4
431	Substantial Differences in Compound Long-Duration Dry and Hot Events Over China Between Transient and Stabilized Warmer Worlds at 1.5°C Global Warming. <i>Earth's Future</i> , 2023, 11, .	2.4	2
433	Toward Earth system modeling with resolved clouds and ocean submesoscales on heterogeneous many-core HPCs. <i>National Science Review</i> , 2023, 10, .	4.6	4
434	Reduced Tropical Climate Land Area Under Global Warming. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	2
435	Accelerated estimation of sea-spray-mediated heat flux using Gaussian quadrature: case studies with a coupled CFSv2.0-WW3 system. <i>Geoscientific Model Development</i> , 2023, 16, 1839-1856.	1.3	0
436	Prediction of Seasonal Tropical Cyclone Activity in the NUIST-CFS1.0 Forecast System. <i>Advances in Atmospheric Sciences</i> , 0, , .	1.9	0
438	Biases and improvements of the boreal winter "spring equatorial undercurrent in the Indian Ocean in the CMIP5 and CMIP6 models. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	1
450	Wave Theory ~ Social Theory. , 2023, , 257-267.		0
451	Being the Wave. , 2023, , 141-147.		0
453	Radio Ocean. , 2023, , 148-153.		0
454	Blood, Waves. , 2023, , 208-210.		0
455	From the Waterwolf to the Sand Motor. , 2023, , 31-70.		0
456	Waves to Order and Disorder. , 2023, , 159-191.		0
457	Venice Hologram. , 2023, , 79-82.		0

#	ARTICLE	IF	CITATIONS
459	The Genders of Waves. , 2023, , 71-78.		0
460	Massive Movie Waves. , 2023, , 192-202.		0
461	Hokusai Now. , 2023, , 203-207.		0
462	Wave Navigation, Sea of Islands. , 2023, , 83-89.		0
463	World Wide Waves,<i>In Silico</i>. , 2023, , 211-241.		0
464	Gravitational Waves, Sounded. , 2023, , 154-157.		0
465	Wave Power. , 2023, , 250-256.		0
466	Wave Theory, Southern Theory. , 2023, , 269-299.		0
467	Middle Passages. , 2023, , 242-249.		0
468	Flipping the Ship. , 2023, , 91-140.		0
490	Role of forest's woody vegetation in the climate change mitigation through carbon sequestration in the northern Pakistan. , 2024, , 191-202.		0