Ping Chang

List of Publications by Year
in descending order

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169 papers	13,423 citations	38742 50 h-index	23533 111 g-index
177 all docs	177 docs citations	177 times ranked	10492 citing authors

#	Article	IF	Citations
1	The Community Climate System Model Version 3 (CCSM3). Journal of Climate, 2006, 19, 2122-2143.	3.2	2,075
2	Oceanic Forcing of Sahel Rainfall on Interannual to Interdecadal Time Scales. Science, 2003, 302, 1027-1030.	12.6	904
3	North Atlantic climate variability: phenomena, impacts and mechanisms. International Journal of Climatology, 2001, 21, 1863-1898.	3.5	860
4	High Resolution Model Intercomparison Project (HighResMIPÂv1.0) for CMIP6. Geoscientific Model Development, 2016, 9, 4185-4208.	3.6	643
5	A decadal climate variation in the tropical Atlantic Ocean from thermodynamic air-sea interactions. Nature, 1997, 385, 516-518.	27.8	585
6	Enhanced warming over the global subtropical western boundary currents. Nature Climate Change, 2012, 2, 161-166.	18.8	564
7	Pantropical climate interactions. Science, 2019, 363, .	12.6	419
8	Interaction between Tropical Atlantic Variability and El NiÃ±oâ€"Southern Oscillation. Journal of Climate, 2000, 13, 2177-2194.	3.2	319
9	Pacific meridional mode and El NiÃ±oâ€"Southern Oscillation. Geophysical Research Letters, 2007, 34, .	4.0	289
10	Western boundary currents regulated by interaction between ocean eddies and the atmosphere. Nature, 2016, 535, 533-537.	27.8	236
11	The Impact of Extratropical Atmospheric Variability on ENSO: Testing the Seasonal Footprinting Mechanism Using Coupled Model Experiments. Journal of Climate, 2010, 23, 2885-2901.	3.2	214
12	The cause of the fragile relationship between the Pacific El NiÃ±o and the Atlantic NiÃ±o. Nature, 2006, 443, 324-328.	27.8	206
13	Climate Fluctuations of Tropical Coupled Systemsâ€"The Role of Ocean Dynamics. Journal of Climate, 2006, 19, 5122-5174.	3.2	203
14	Ocean barrier layersâ€™ effect on tropical cyclone intensification. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14343-14347.	7.1	202
15	Observed 3D Structure, Generation, and Dissipation of Oceanic Mesoscale Eddies in the South China Sea. Scientific Reports, 2016, 6, 24349.	3.3	202
16	The Effect of Local Sea Surface Temperatures on Atmospheric Circulation over the Tropical Atlantic Sector. Journal of Climate, 2000, 13, 2195-2216.	3.2	195
17	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 997-1017.	3.3	158
18	Distant Influence of Kuroshio Eddies on North Pacific Weather Patterns?. Scientific Reports, 2015, 5, 17785.	3.3	141

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19	Oceanic link between abrupt changes inÂthe North Atlantic Ocean and theÂAfricanÂmonsoon. Nature Geoscience, 2008, 1, 444-448.	12.9	136
20	Interactions between the seasonal cycle and the Southern Oscillation - Frequency entrainment and chaos in a coupled ocean-atmosphere model. Geophysical Research Letters, 1994, 21, 2817-2820.	4.0	133
21	Forecasting Pacific SSTs: Linear Inverse Model Predictions of the PDO. Journal of Climate, 2008, 21, 385-402.	3.2	126
22	The preconditioning role of Tropical Atlantic Variability in the development of the ENSO teleconnection: implications for the prediction of Nordeste rainfall. Climate Dynamics, 2004, 22, 839-855.	3.8	120
23	Challenges and Prospects for Reducing Coupled Climate Model SST Biases in the Eastern Tropical Atlantic and Pacific Oceans: The U.S. CLIVAR Eastern Tropical Oceans Synthesis Working Group. Bulletin of the American Meteorological Society, 2016, 97, 2305-2328.	3.3	116
24	Importance of Resolving Kuroshio Front and Eddy Influence in Simulating the North Pacific Storm Track. Journal of Climate, 2017, 30, 1861-1880.	3.2	115
25	A Hybrid Coupled Model Study of Tropical Atlantic Variability. Journal of Climate, 2001, 14, 361-390.	3.2	110
26	The Benefits of Global High Resolution for Climate Simulation: Process Understanding and the Enabling of Stakeholder Decisions at the Regional Scale. Bulletin of the American Meteorological Society, 2018, 99, 2341-2359.	3.3	107
27	A Coupled Oceanâ€"Atmosphere Instability of Relevance to the Seasonal Cycle. Journals of the Atmospheric Sciences, 1994, 51, 3627-3648.	1.7	105
28	Interactions between the Seasonal Cycle and El NiÃ±o-Southern Oscillation in an Intermediate Coupled Ocean-Atmosphere Model. Journals of the Atmospheric Sciences, 1995, 52, 2353-2372.	1.7	104
29	An Unprecedented Set of Highâ€Resolution Earth System Simulations for Understanding Multiscale Interactions in Climate Variability and Change. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002298.	3.8	104
30	The Physical Basis for Predicting Atlantic Sector Seasonal-to-Interannual Climate Variability*. Journal of Climate, 2006, 19, 5949-5970.	3.2	101
31	Muted change in Atlantic overturning circulation over some glacial-aged Heinrich events. Nature Geoscience, 2014, 7, 144-150.	12.9	94
32	Chaotic dynamics versus stochastic processes in El NiÃ±o-Southern Oscillation in coupled ocean-atmosphere models. Physica D: Nonlinear Phenomena, 1996, 98, 301-320.	2.8	93
33	Variability of the South Atlantic Convergence Zone Simulated by an Atmospheric General Circulation Model. Journal of Climate, 2002, 15, 745-763.	3.2	90
34	Variability of the sea surface temperature in the eastern equatorial Pacific during 1986â€"1988. Journal of Geophysical Research, 1991, 96, 10553-10566.	3.3	86
35	Low-Frequency North Atlantic Climate Variability in the Community Earth System Model Large Ensemble. Journal of Climate, 2018, 31, 787-813.	3.2	86
36	Diagnosing southeast tropical Atlantic SST and ocean circulation biases in the CMIP5 ensemble. Climate Dynamics, 2014, 43, 3123-3145.	3.8	83

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37	The Impact of the El NiÃ±oâ€“Southern Oscillation and Atlantic Meridional Mode on Seasonal Atlantic Tropical Cyclone Activity. Journal of Climate, 2014, 27, 5311-5328.	3.2	82
38	Impact of the extratropical Pacific on equatorial variability. Geophysical Research Letters, 1997, 24, 2589-2592.	4.0	81
39	Thermodynamic controls of the Atlantic NiÃ±o. Nature Communications, 2015, 6, 8895.	12.8	81
40	The Influence of ENSO Flavors on Western North Pacific Tropical Cyclone Activity. Journal of Climate, 2018, 31, 5395-5416.	3.2	80
41	The Tropical Atlantic Observing System. Frontiers in Marine Science, 2019, 6, .	2.5	80
42	The Role of Stochastic Forcing in Modulating ENSO Predictability. Journal of Climate, 2004, 17, 3125-3140.	3.2	66
43	Barrier layers and tropical Atlantic SST biases in coupled GCMs. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 60, 885.	1.7	65
44	Linking the Pacific Meridional Mode to ENSO: Coupled Model Analysis. Journal of Climate, 2009, 22, 3488-3505.	3.2	59
45	Impact of abrupt deglacial climate change on tropical Atlantic subsurface temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14348-14352.	7.1	59
46	Sensitivity of the Atlantic Meridional Overturning Circulation to Model Resolution in CMIP6 HighResMIP Simulations and Implications for Future Changes. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002014.	3.8	59
47	An Intermediate Model of the Tropical Pacific Ocean. Journal of Physical Oceanography, 1995, 25, 1599-1616.	1.7	58
48	Dynamics of the boreal summer African monsoon in the NSIPP1 atmospheric model. Climate Dynamics, 2005, 25, 517-535.	3.8	58
49	A study of the seasonal cycle of sea surface temperature in the tropical Pacific Ocean using reduced gravity models. Journal of Geophysical Research, 1994, 99, 7725.	3.3	57
50	Degree of simulated suppression of Atlantic tropical cyclones modulated by flavour of El NiÃ±o. Nature Geoscience, 2016, 9, 155-160.	12.9	56
51	An Equatorialâ€“Extratropical Dipole Structure of the Atlantic NiÃ±o. Journal of Climate, 2016, 29, 7295-7311.	3.2	54
52	Mesoscale Eddies in the Northwestern Pacific Ocean: Threeâ€Dimensional Eddy Structures and Heat/Salt Transports. Journal of Geophysical Research: Oceans, 2017, 122, 9795-9813.	2.6	53
53	Oceanic origin of southeast tropical Atlantic biases. Climate Dynamics, 2014, 43, 2915-2930.	3.8	52
54	An investigation of tropical Atlantic bias in a high-resolution coupled regional climate model. Climate Dynamics, 2012, 39, 2443-2463.	3.8	48

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55	Pacific Climate Change and ENSO Activity in the Mid-Holocene. Journal of Climate, 2009, 22, 923-939.	3.2	47
56	The Response of Atlantic Tropical Cyclones to Suppression of African Easterly Waves. Geophysical Research Letters, 2018, 45, 471-479.	4.0	47
57	Tropical Atlantic seasonal predictability: The roles of El NiÃ±o remote influence and thermodynamic air-sea feedback. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	45
58	Weakening Atlantic NiÃ±oâ€"Pacific connection under greenhouse warming. Science Advances, 2019, 5, eaax4111.	10.3	42
59	Looking for the Role of the Ocean in Tropical Atlantic Decadal Climate Variability*. Journal of Climate, 2001, 14, 638-655.	3.2	41
60	An outsized role for the Labrador Sea in the multidecadal variability of the Atlantic overturning circulation. Science Advances, 2021, 7, eabh3592.	10.3	41
61	Rossby wave packets in baroclinic mean currents. Deep-sea Research Part A, Oceanographic Research Papers, 1989, 36, 17-37.	1.5	40
62	Does the Predictability of ENSO Depend on the Seasonal Cycle?. Journals of the Atmospheric Sciences, 1998, 55, 3230-3243.	1.7	39
63	Maintenance of mid-latitude oceanic fronts by mesoscale eddies. Science Advances, 2020, 6, eaba7880.	10.3	39
64	Simulated precipitation response to SST forcing and potential predictability in the region of the South Atlantic convergence zone. Climate Dynamics, 2005, 24, 105-114.	3.8	38
65	The Barrier Layer of the Atlantic warm pool: Formation mechanism and influence on the mean climate. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 18162.	1.7	38
66	Structure and dynamics of the Benguela low-level coastal jet. Climate Dynamics, 2017, 49, 2765-2788.	3.8	37
67	Propagation of an Equatorial Kelvin Wave in a Varying Thermocline. Journal of Physical Oceanography, 1990, 20, 1826-1841.	1.7	35
68	Satellite-Observed Precipitation Response to Ocean Mesoscale Eddies. Journal of Climate, 2018, 31, 6879-6895.	3.2	35
69	The impact of climate model sea surface temperature biases on tropical cyclone simulations. Climate Dynamics, 2019, 53, 173-192.	3.8	35
70	A teleconnection between Atlantic sea surface temperature and eastern and central North Pacific tropical cyclones. Geophysical Research Letters, 2017, 44, 1167-1174.	4.0	32
71	Threat by marine heatwaves to adaptive large marine ecosystems in an eddy-resolving model. Nature Climate Change, 2022, 12, 179-186.	18.8	32
72	The Role of the Dynamic Ocean-Atmosphere Interactions in Tropical Seasonal Cycle. Journal of Climate, 1996, 9, 2973-2985.	3.2	31

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73	Dynamical elements of predicting boreal spring tropical Atlantic sea-surface temperatures. Dynamics of Atmospheres and Oceans, 2005, 39, 61-85.	1.8	31
74	Interhemispheric thermal gradient and tropical Pacific climate. Geophysical Research Letters, 2008, 35, .	4.0	31
75	Seasonal cycle of sea surface temperature and mixed layer heat budget in the tropical Pacific Ocean. Geophysical Research Letters, 1993, 20, 2079-2082.	4.0	30
76	Impact of dynamical and stochastic processes on the predictability of ENSO. Geophysical Research Letters, 1996, 23, 2089-2092.	4.0	30
77	Prediction of tropical Atlantic sea surface temperature. Geophysical Research Letters, 1998, 25, 1193-1196.	4.0	30
78	Identification of Dynamical Regimes in an Intermediate Coupled Oceanâ€"Atmosphere Model. Journal of Climate, 2000, 13, 2105-2115.	3.2	30
79	Optimizing high-resolution Community Earth System Model on a heterogeneous many-core supercomputing platform. Geoscientific Model Development, 2020, 13, 4809-4829.	3.6	30
80	Predictable Component Analysis, Canonical Correlation Analysis, and Autoregressive Models. Journals of the Atmospheric Sciences, 2003, 60, 409-416.	1.7	29
81	Ocean fronts and eddies force atmospheric rivers and heavy precipitation in western North America. Nature Communications, 2021, 12, 1268.	12.8	29
82	Stochastically induced climate shift of El NiÃ±o-Southern Oscillation. Geophysical Research Letters, 1999, 26, 2473-2476.	4.0	28
83	Decadal change in the south tropical Pacific in a Global Assimilation Analysis. Geophysical Research Letters, 2001, 28, 3461-3464.	4.0	27
84	On the interpretation of Caribbean paleoâ€temperature reconstructions during the Younger Dryas. Geophysical Research Letters, 2009, 36, .	4.0	26
85	A Far-Reaching Footprint of the Tropical Pacific Meridional Mode on the Summer Rainfall over the Yellow River Loop Valley. Journal of Climate, 2011, 24, 2585-2598.	3.2	25
86	Tropical Pacific response to continental ice sheet topography. Climate Dynamics, 2015, 44, 2429-2446.	3.8	25
87	Mesoscale SST Dynamics in the Kuroshioâ€"Oyashio Extension Region. Journal of Physical Oceanography, 2019, 49, 1339-1352.	1.7	25
88	Predictability of Linear Coupled Systems. Part I: Theoretical Analyses. Journal of Climate, 2004, 17, 1474-1486.	3.2	24
89	Decadal Variability of Eddy Characteristics and Energetics in the Kuroshio Extension: Unstable Versus Stable States. Journal of Geophysical Research: Oceans, 2018, 123, 6653-6669.	2.6	24
90	The Role of the Windâ€"Evaporationâ€"Sea Surface Temperature (WES) Feedback as a Thermodynamic Pathway for the Equatorward Propagation of High-Latitude Sea Iceâ€"Induced Cold Anomalies. Journal of Climate, 2011, 24, 1350-1361.	3.2	23

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91	A Linear Stability Analysis of Coupled Tropical Atlantic Variability. Journal of Climate, 2008, 21, 2421-2436.	3.2	22
92	Tropical North Atlantic subsurface warming events as a fingerprint for AMOC variability during Marine Isotope Stage 3. Paleoceanography, 2015, 30, 1425-1436.	3.0	22
93	On the Upper-Ocean Vertical Eddy Heat Transport in the Kuroshio Extension. Part I: Variability and Dynamics. Journal of Physical Oceanography, 2021, 51, 229-246.	1.7	22
94	Oceanic mixed layer feedback and tropical Atlantic variability. Geophysical Research Letters, 1999, 26, 3629-3632.	4.0	21
95	Impact of Atlantic SST and high frequency atmospheric variability on the 1993 and 2008 Midwest floods: Regional climate model simulations of extreme climate events. Climatic Change, 2015, 129, 397-411.	3.6	21
96	Mesoscale Airâ€"Sea Interaction and Its Role in Eddy Energy Dissipation in the Kuroshio Extension. Journal of Climate, 2019, 32, 8659-8676.	3.2	21
97	Free and Forced Variability of the Tropical Atlantic Ocean: Role of the Windâ€"Evaporationâ€"Sea Surface Temperature Feedback. Journal of Climate, 2010, 23, 5958-5977.	3.2	20
98	Vertical and horizontal resolution dependency in the model representation of tracer dispersion along the continental slope in the northern Gulf of Mexico. Ocean Modelling, 2018, 122, 13-25.	2.4	20
99	Coupled Variability and Predictability in a Stochastic Climate Model of the Tropical Atlantic. Journal of Climate, 2008, 21, 6247-6259.	3.2	19
100	Variation of mean sea surface temperature and modulation of El NiÃ±oâ€"Southern Oscillation variance during the past 150 years. Geophysical Research Letters, 2008, 35, .	4.0	18
101	Image-processing-based atmospheric river tracking method version 1 (IPART-1). Geoscientific Model Development, 2020, 13, 4639-4662.	3.6	18
102	Winter Extreme Flux Events in the Kuroshio and Gulf Stream Extension Regions and Relationship with Modes of North Pacific and Atlantic Variability. Journal of Climate, 2015, 28, 4950-4970.	3.2	17
103	Observed Energy Exchange between Low-Frequency Flows and Internal Waves in the Gulf of Mexico. Journal of Physical Oceanography, 2018, 48, 995-1008.	1.7	17
104	Surface Heat Flux Induced by Mesoscale Eddies Cools the Kuroshioâ€Oyashio Extension Region. Geophysical Research Letters, 2020, 47, e2019GL086050.	4.0	17
105	El NiÃ±o/Southern Oscillation inhibited by submesoscale ocean eddies. Nature Geoscience, 2022, 15, 112-117.	12.9	16
106	A wave-induced stirring mechanism in the mid-depth equatorial ocean. Journal of Marine Research, 1996, 54, 487-520.	0.3	15
107	Thermodynamic Coupling and Predictability of Tropical Sea Surface Temperature. Geophysical Monograph Series, 0, , 171-180.	0.1	15
108	A Modeling Strategy for the Investigation of the Effect of Mesoscale SST Variability on Atmospheric Dynamics. Geophysical Research Letters, 2019, 46, 3982-3989.	4.0	15

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109	Warm pool variability and heat flux change in the global oceans. Global and Planetary Change, 2011, 77, 26-33.	3.5	14
110	On the Role of the South Atlantic Atmospheric Circulation in Tropical Atlantic Variability. Geophysical Monograph Series, 0, , 143-156.	0.1	14
111	Atmospheric Conditions Associated with Labrador Sea Deep Convection: New Insights from a Case Study of the 2006/07 and 2007/08 Winters. Journal of Climate, 2016, 29, 5281-5297.	3.2	14
112	Intrabasin Variability of East Pacific Tropical Cyclones During ENSO Regulated by Central American Gap Winds. Scientific Reports, 2017, 7, 1658.	3.3	14
113	Linking the Pacific Meridional Mode to ENSO: Utilization of a Noise Filter. Journal of Climate, 2009, 22, 905-922.	3.2	14
114	Predictability of Linear Coupled Systems. Part II: An Application to a Simple Model of Tropical Atlantic Variability. Journal of Climate, 2004, 17, 1487-1503.	3.2	13
115	The role of the wind-evaporation-sea surface temperature (WES) feedback in airâ€“sea coupled tropical variability. Atmospheric Research, 2009, 94, 19-36.	4.1	13
116	Effect of Atlantic Meridional Overturning Circulation Changes on Tropical Atlantic Sea Surface Temperature Variability: A 2Â½-Layer Reduced-Gravity Ocean Model Study. Journal of Climate, 2010, 23, 312-332.	3.2	13
117	Influence of Mean Flow on the ENSOâ€“Vertical Wind Shear Relationship over the Northern Tropical Atlantic. Journal of Climate, 2012, 25, 858-864.	3.2	13
118	Role of Near-Inertial Internal Waves in Subthermocline Diapycnal Mixing in the Northern Gulf of Mexico. Journal of Physical Oceanography, 2015, 45, 3137-3154.	1.7	12
119	A high-resolution Asia-Pacific regional coupled prediction system with dynamically downscaling coupled data assimilation. Science Bulletin, 2020, 65, 1849-1858.	9.0	12
120	A Comparison of Northern Hemisphere Atmospheric Rivers Detected by a New Image-Processing Based Method and Magnitude-Thresholding Based Methods. Atmosphere, 2020, 11, 628.	2.3	12
121	Impact of the Benguela coastal low-level jet on the southeast tropical Atlantic SST bias in a regional ocean model. Climate Dynamics, 2021, 56, 2773-2800.	3.8	12
122	Effect of Atlantic Meridional Overturning Circulation on Tropical Atlantic Variability: A Regional Coupled Model Study. Journal of Climate, 2011, 24, 3323-3343.	3.2	11
123	Impact of Systematic GCM Errors on Prediction Skill as Estimated by Linear Inverse Modeling. Journal of Climate, 2020, 33, 10073-10095.	3.2	11
124	Tropical Atlantic climate response to lowâ€latitude and extratropical seaâ€surface temperature: A Little Ice Age perspective. Geophysical Research Letters, 2009, 36, .	4.0	10
125	Causes of tropical Atlantic paleoâ€salinity variation during periods of reduced AMOC. Geophysical Research Letters, 2010, 37, .	4.0	10
126	High-Resolution Tropical Channel Model Simulations of Tropical Cyclone Climatology and Intraseasonal-to-Interannual Variability. Journal of Climate, 2019, 32, 7871-7895.	3.2	10

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127	Central American mountains inhibit eastern North Pacific seasonal tropical cyclone activity. Nature Communications, 2021, 12, 4422.	12.8	10
128	Oceanic ensemble forecasting in the Gulf of Mexico: An application to the case of the Deep Water Horizon oil spill. Ocean Modelling, 2017, 113, 171-184.	2.4	9
129	A Multiâ€Timescale EnOIâ€Like Highâ€Efficiency Approximate Filter for Coupled Model Data Assimilation. Journal of Advances in Modeling Earth Systems, 2019, 11, 45-63.	3.8	8
130	Midlatitude Mesoscale Ocean-Atmosphere Interaction and Its Relevance to S2S Prediction. , 2019, , 183-200.		8
131	Ocean Eddy Energetics in the Spectral Space as Revealed by High-Resolution General Circulation Models. Journal of Physical Oceanography, 2019, 49, 2815-2827.	1.7	7
132	The Impact of Horizontal Resolution on Projected Seaâ€Level Rise Along US East Continental Shelf With the Community Earth System Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	7
133	Effect of Oceanic Advection on the Potential Predictability of Sea Surface Temperature. Journal of Climate, 2004, 17, 3603-3615.	3.2	6
134	Tropical Pacific Ocean Dynamical Response to Short-Term Sulfate Aerosol Forcing. Journal of Climate, 2019, 32, 8205-8221.	3.2	6
135	Some theoretical considerations on predictability of linear stochastic dynamics. Tellus, Series A: Dynamic Meteorology and Oceanography, 2003, 55, 148-157.	1.7	6
136	Optimal Growth of IPV Lags AMV Modulations by up to a Decade. Geophysical Research Letters, 2021, 48, .	4.0	6
137	Role of Ocean and Atmosphere Variability in Scaleâ€Dependent Thermodynamic Airâ€Sea Interactions. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	6
138	Testing the stochastic mechanism for low-frequency variations in ENSO predictability. Geophysical Research Letters, 2003, 30, .	4.0	5
139	Some theoretical considerations on predictability of linear stochastic dynamics. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 55, 148.	1.7	5
140	A linear tendency correction technique for improving seasonal prediction of SST. Geophysical Research Letters, 2004, 31, .	4.0	5
141	Plausible effect of climate model bias on abrupt climate change simulations in Atlantic sector. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 1904-1913.	1.4	5
142	Modulation of Small-Scale Superinertial Internal Waves by Near-Inertial Internal Waves. Journal of Physical Oceanography, 2016, 46, 3529-3548.	1.7	5
143	Deglacial Tropical Atlantic subsurface warming links ocean circulation variability to the West African Monsoon. Scientific Reports, 2017, 7, 15390.	3.3	5
144	Influence of the Ocean Mesoscale Eddyâ€"Atmosphere Thermal Feedback on the Upper-Ocean Haline Stratification. Journal of Physical Oceanography, 2020, 50, 2475-2490.	1.7	5

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145	Role of Seaâ€Surface Salinity in Simulating Historical Decadal Variations of Atlantic Meridional Overturning Circulation in a Coupled Climate Model. Geophysical Research Letters, 2022, 49, .	4.0	5
146	Mixing induced by the Atlantic equatorial wave activity in an eddy-resolving OGCM. Journal of Geophysical Research, 1999, 104, 13303-13315.	3.3	4
147	Overlooked Role of Mesoscale Winds in Powering Ocean Diapycnal Mixing. Scientific Reports, 2016, 6, 37180.	3.3	4
148	Suppression of winter heavy precipitation in Southeastern China by the Kuroshio warm current. Climate Dynamics, 2019, 53, 2437-2450.	3.8	4
149	Seasonal Variation of the Subtropical/Tropical Pathways in the Atlantic Ocean from an Ocean Data Assimilation Experiment. Geophysical Monograph Series, 2013, , 305-318.	0.1	3
150	Tropical Atlantic variability and coupled model climate biases: results from the Tropical Atlantic Climate Experiment (TACE). Climate Dynamics, 2014, 43, 2887-2887.	3.8	3
151	Impact of Coherent Ocean Stratification on AMOC Reconstruction by Coupled Data Assimilation with a Biased Model. Journal of Climate, 2020, 33, 7319-7334.	3.2	3
152	Oceanic adjustment in the presence of mean currents on an equatorial <i>Î²</i> plane. Journal of Geophysical Research, 1990, 95, 15975-15995.	3.3	2
153	Coastal Kelvin waves in the presence of a slowly varying topography. Journal of Fluid Mechanics, 1991, 231, 303-324.	3.4	2
154	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 1440.	3.3	2
155	Evaluation of a Coupled Modeling Approach for the Investigation of the Effects of SST Mesoscale Variability on the Atmosphere. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002412.	3.8	2
156	Atmosphereâ€“Ocean Interactions. , 2020, , 89-119.		2
157	A Comparison between the Kuroshio Extension and Pineapple Express Atmospheric Rivers Affecting the West Coast of North America. Journal of Climate, 2022, 35, 3905-3925.	3.2	2
158	On the Intermittent Occurrence of Openâ€Ocean Polynyas in a Multiâ€Century Highâ€Resolution Preindustrial Earth System Model Simulation. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	2
159	Atmospheric response to Atlantic tropical instability waves in Community Atmosphere Model version 3. Journal of Geophysical Research, 2008, 113, .	3.3	1
160	Contribution of the Two Types of Ekman Pumping Induced Eddy Heat Flux to the Total Vertical Eddy Heat Flux. Geophysical Research Letters, 2021, 48, e2021GL092982.	4.0	1
161	Introducing the New Regional Community Earth System Model, R-CESM. Bulletin of the American Meteorological Society, 2021, 102, E1821-E1843.	3.3	1
162	On the Upper-Ocean Vertical Eddy Heat Transport in the Kuroshio Extension. Part II: Effects of Air-Sea Interactions. Journal of Physical Oceanography, 2021, , .	1.7	1

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163	Bringing the Future Into Focus: Benefits and Challenges of High-Resolution Global Climate Change Simulations. Computing in Science and Engineering, 2021, 23, 34-41.	1.2	1
164	An Improved Parameterization of Windâ€Driven Turbulent Vertical Mixing Based on an Eddyâ€Resolving Climate Model. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002630.	3.8	1
165	Impact of Different Wind Representations on Resonant Ocean Near-inertial Motions in the Gulf of Mexico. Ocean Science Journal, 2022, 57, 25-36.	1.3	1
166	Improving the Understanding of Atmospheric River Water Vapor Transport Using a Threeâ€Dimensional Straightened Composite Analysis. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	1
167	Quasi-geostrophic oceanic adjustment in the presence of mean currents. Dynamics of Atmospheres and Oceans, 1989, 14, 387-414.	1.8	0
168	A note on solitary waves along potential vorticity fronts on anf-plane. Journal of Oceanography, 1993, 49, 477-489.	1.7	0
169	Climate Impacts of CALIPSOâ€Guided Corrections to Black Carbon Aerosol Vertical Distributions in a Global Climate Model. Geophysical Research Letters, 2017, 44, 10,549.	4.0	0