

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Indian Ocean Capacitor Effect on Indo–Western Pacific Climate during the Summer following El Niño. Journal of Climate, 2009, 22, 730-747.	3.2	1,528
2	Recent global-warming hiatus tied to equatorial Pacific surface cooling. Nature, 2013, 501, 403-407.	27.8	1,436
3	Indian Ocean circulation and climate variability. Reviews of Geophysics, 2009, 47, .	23.0	1,048
4	Global Warming Pattern Formation: Sea Surface Temperature and Rainfall*. Journal of Climate, 2010, 23, 966-986.	3.2	915
5	Sea Surface Temperature Variability: Patterns and Mechanisms. Annual Review of Marine Science, 2010, 2, 115-143.	11.6	788
6	Structure and Mechanisms of South Indian Ocean Climate Variability*. Journal of Climate, 2002, 15, 864-878.	3.2	691
7	Influence of the Gulf Stream on the troposphere. Nature, 2008, 452, 206-209.	27.8	635
8	Impact of the Indian Ocean SST basin mode on the Asian summer monsoon. Geophysical Research Letters, 2007, 34, .	4.0	628
9	Air–sea interaction over ocean fronts and eddies. Dynamics of Atmospheres and Oceans, 2008, 45, 274-319.	1.8	615
10	Indo-western Pacific ocean capacitor and coherent climate anomalies in post-ENSO summer: A review. Advances in Atmospheric Sciences, 2016, 33, 411-432.	4.3	526
11	A coupled ocean-atmosphere model of relevance to the ITCZ in the eastern Pacific. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 46, 340.	1.7	511
12	Evaluation of Climate Models. , 2014, , 741-866.		458
13	Summer upwelling in the South China Sea and its role in regional climate variations. Journal of Geophysical Research, 2003, 108, .	3.3	445
14	Tropical Biases in CMIP5 Multimodel Ensemble: The Excessive Equatorial Pacific Cold Tongue and Double ITCZ Problems*. Journal of Climate, 2014, 27, 1765-1780.	3.2	431
15	Role of Air–Sea Interaction in the Long Persistence of El Niño–Induced North Indian Ocean Warming*. Journal of Climate, 2009, 22, 2023-2038.	3.2	430
16	Large-Scale Dynamics of the Meiyu-Baiu Rainband: Environmental Forcing by the Westerly Jet*. Journal of Climate, 2010, 23, 113-134.	3.2	424
17	Pantropical climate interactions. Science, 2019, 363, .	12.6	419
18	Satellite Observations of Cool Ocean–Atmosphere Interaction. Bulletin of the American Meteorological Society, 2004, 85, 195-208.	3.3	379

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19	Decadal modulation of global surface temperature by internal climate variability. Nature Climate Change, 2015, 5, 555-559.	18.8	368
20	A coupled ocean-atmosphere model of relevance to the ITCZ in the eastern Pacific. Tellus, Series A: Dynamic Meteorology and Oceanography, 1994, 46, 340-350.	1.7	349
21	Making sense of the early-2000s warming slowdown. Nature Climate Change, 2016, 6, 224-228.	18.8	333
22	Atlantic-induced pan-tropical climate change over the past three decades. Nature Climate Change, 2016, 6, 275-279.	18.8	330
23	El Niño modulations over the past seven centuries. Nature Climate Change, 2013, 3, 822-826.	18.8	328
24	La Niña forces unprecedented Leeuwin Current warming in 2011. Scientific Reports, 2013, 3, 1277.	3.3	326
25	Coupled Ocean-Atmosphere Interaction at Oceanic Mesoscales. Oceanography, 2010, 23, 52-69.	1.0	322
26	Impact of Indian Ocean Sea Surface Temperature on Developing El Niño*. Journal of Climate, 2005, 18, 302-319.	3.2	302
27	Intensification of landfalling typhoons over the northwest Pacific since the late 1970s. Nature Geoscience, 2016, 9, 753-757.	12.9	301
28	Patterns of the seasonal response of tropical rainfall to global warming. Nature Geoscience, 2013, 6, 357-361.	12.9	300
29	Changes in the sea surface temperature threshold for tropical convection. Nature Geoscience, 2010, 3, 842-845.	12.9	294
30	Interdecadal modulation of El Niño amplitude during the past millennium. Nature Climate Change, 2011, 1, 114-118.	18.8	287
31	Role of Narrow Mountains in Large-Scale Organization of Asian Monsoon Convection*. Journal of Climate, 2006, 19, 3420-3429.	3.2	282
32	The Influence of a Weakening of the Atlantic Meridional Overturning Circulation on ENSO. Journal of Climate, 2007, 20, 4899-4919.	3.2	282
33	Slowdown of the Walker circulation driven by tropical Indo-Pacific warming. Nature, 2012, 491, 439-443.	27.8	281
34	Coupled dynamics over the Indian Ocean: spring initiation of the Zonal Mode. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2305-2330.	1.4	262
35	Tropical Indian Ocean Influence on Northwest Pacific Tropical Cyclones in Summer following Strong El Niño*. Journal of Climate, 2011, 24, 315-322.	3.2	259
36	Origin of seasonal predictability for summer climate over the Northwestern Pacific. Proceedings of the United States of America, 2013, 110, 7574-7579.	7.1	253

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37	Towards predictive understanding of regional climate change. Nature Climate Change, 2015, 5, 921-930.	18.8	253
38	On the origin of equatorial Atlantic biases in coupled general circulation models. Climate Dynamics, 2008, 31, 587-598.	3.8	249
39	Decadal Variability of the Kuroshio Extension: Observations and an Eddy-Resolving Model Hindcast*. Journal of Climate, 2007, 20, 2357-2377.	3.2	243
40	Decadal Shift in El Niño Influences on Indo–Western Pacific and East Asian Climate in the 1970s*. Journal of Climate, 2010, 23, 3352-3368.	3.2	241
41	Covariations of Sea Surface Temperature and Wind over the Kuroshio and Its Extension: Evidence for Ocean-to-Atmosphere Feedback*. Journal of Climate, 2003, 16, 1404-1413.	3.2	237
42	North American Climate in CMIP5 Experiments: Part III: Assessment of Twenty-First-Century Projections*. Journal of Climate, 2014, 27, 2230-2270.	3.2	231
43	On the importance of midlatitude oceanic frontal zones for the mean state and dominant variability in the tropospheric circulation. Geophysical Research Letters, 2008, 35, .	4.0	230
44	Role of atmospheric adjustments in the tropical Indian Ocean warming during the 20th century in climate models. Geophysical Research Letters, 2008, 35, .	4.0	227
45	Far-Reaching Effects of the Hawaiian Islands on the Pacific Ocean-Atmosphere System. Science, 2001, 292, 2057-2060.	12.6	225
46	Tropical Atlantic Variability: Patterns, Mechanisms, and Impacts. Geophysical Monograph Series, 0, , 121-142.	0.1	219
47	Bathymetric effect on the winter sea surface temperature and climate of the Yellow and East China Seas. Geophysical Research Letters, 2002, 29, 81-1-81-4.	4.0	216
48	Polar amplification dominated by local forcing and feedbacks. Nature Climate Change, 2018, 8, 1076-1081.	18.8	216
49	Southwest Indian Ocean SST Variability: Its Local Effect and Remote Influence on Asian Monsoons*. Journal of Climate, 2005, 18, 4150-4167.	3.2	212
50	Climate Fluctuations of Tropical Coupled Systems—The Role of Ocean Dynamics. Journal of Climate, 2006, 19, 5122-5174.	3.2	203
51	Climate Phenomena and their Relevance for Future Regional Climate Change. , 2014, , 1217-1308.		202
52	Overlooked possibility of a collapsed Atlantic Meridional Overturning Circulation in warming climate. Science Advances, 2017, 3, e1601666.	10.3	199
53	Historic Yangtze flooding of 2020 tied to extreme Indian Ocean conditions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	194
54	A Dynamic Ocean–Atmosphere Model of the Tropical Atlantic Decadal Variability. Journal of Climate, 1999, 12, 64-70.	3.2	191

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55	Regional Patterns of Sea Surface Temperature Change: A Source of Uncertainty in Future Projections of Precipitation and Atmospheric Circulation*. Journal of Climate, 2013, 26, 2482-2501.	3.2	190
56	Influences of the Kuroshio/Oyashio Extensions on Air–Sea Heat Exchanges and Storm-Track Activity as Revealed in Regional Atmospheric Model Simulations for the 2003/04 Cold Season*. Journal of Climate, 2009, 22, 6536-6560.	3.2	174
57	Equatorial Atlantic variability and its relation to mean state biases in CMIP5. Climate Dynamics, 2014, 42, 171-188.	3.8	174
58	Interaction of the Atlantic Equatorial Cold Tongue and the African Monsoon*. Journal of Climate, 2004, 17, 3589-3602.	3.2	170
59	The tropical Pacific as a key pacemaker of the variable rates of global warming. Nature Geoscience, 2016, 9, 669-673.	12.9	169
60	A gap in the Indo-Pacific warm pool over the South China Sea in boreal winter: Seasonal development and interannual variability. Journal of Geophysical Research, 2004, 109, .	3.3	168
61	Ocean Frontal Effects on the Vertical Development of Clouds over the Western North Pacific: In Situ and Satellite Observations*. Journal of Climate, 2009, 22, 4241-4260.	3.2	167
62	The Tropical Eastern Pacific Seasonal Cycle: Assessment of Errors and Mechanisms in IPCC AR4 Coupled Ocean–Atmosphere General Circulation Models*. Journal of Climate, 2008, 21, 2573-2590.	3.2	165
63	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. Nature Communications, 2018, 9, 1724.	12.8	165
64	Interdecadal Thermocline Variability in the North Pacific for 1958–97: A GCM Simulation*. Journal of Physical Oceanography, 2000, 30, 2798-2813.	1.7	161
65	Dynamics of Interannual Variability in Summer Precipitation over East Asia*. Journal of Climate, 2011, 24, 5435-5453.	3.2	161
66	Mechanisms for Tropical Tropospheric Circulation Change in Response to Global Warming*. Journal of Climate, 2012, 25, 2979-2994.	3.2	160
67	Atmospheric manifestation of tropical instability wave observed by QuikSCAT and tropical rain measuring mission. Geophysical Research Letters, 2000, 27, 2545-2548.	4.0	157
68	Strengthening of Tropical Indian Ocean Teleconnection to the Northwest Pacific since the Mid-1970s: An Atmospheric GCM Study*. Journal of Climate, 2010, 23, 5294-5304.	3.2	157
69	Northwestern Pacific typhoon intensity controlled by changes in ocean temperatures. Science Advances, 2015, 1, e1500014.	10.3	157
70	Contribution of the Interdecadal Pacific Oscillation to twentieth-century global surfaceÂtemperatureÂtrends. Nature Climate Change, 2016, 6, 1005-1008.	18.8	156
71	Atmospheric Response to the Gulf Stream: Seasonal Variations*. Journal of Climate, 2010, 23, 3699-3719.	3.2	155
72	Tropical Atlantic air-sea interaction and its influence on the NAO. Geophysical Research Letters, 2001, 28, 1507-1510.	4.0	153

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73	Air–Sea Interaction over the Eastern Pacific Warm Pool: Gap Winds, Thermocline Dome, and Atmospheric Convection*. Journal of Climate, 2005, 18, 5-20.	3.2	150
74	Deep South China Sea circulation. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	150
75	Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. Journal of Climate, 2012, 25, 7574-7589.	3.2	150
76	Tropical Indian Ocean Variability in the IPCC Twentieth-Century Climate Simulations*. Journal of Climate, 2006, 19, 4397-4417.	3.2	149
77	A pan-Atlantic decadal climate oscillation. Geophysical Research Letters, 1998, 25, 2185-2188.	4.0	148
78	On the connection between Benguela and equatorial Atlantic Niños and the role of the South Atlantic Anticyclone. Journal of Geophysical Research, 2010, 115, .	3.3	147
79	Origins of tropicalâ€wide SST biases in CMIP multiâ€model ensembles. Geophysical Research Letters, 2012, 39, .	4.0	146
80	Similar spatial patterns of climate responses to aerosol and greenhouse gas changes. Nature Geoscience, 2013, 6, 828-832.	12.9	145
81	North Pacific Climate Response to Freshwater Forcing in the Subarctic North Atlantic: Oceanic and Atmospheric Pathways. Journal of Climate, 2009, 22, 1424-1445.	3.2	140
82	Local and remote atmospheric response to tropical instability waves: A global view from space. Journal of Geophysical Research, 2001, 106, 10173-10185.	3.3	136
83	Global Warming–Induced Changes in El Niño Teleconnections over the North Pacific and North America. Journal of Climate, 2014, 27, 9050-9064.	3.2	136
84	The global warming hiatus: Slowdown or redistribution?. Earth's Future, 2016, 4, 472-482.	6.3	134
85	Physical drivers of the summer 2019 North Pacific marine heatwave. Nature Communications, 2020, 11, 1903.	12.8	133
86	Skilful multi-year predictions of tropical trans-basin climate variability. Nature Communications, 2015, 6, 6869.	12.8	132
87	Mechanisms of change in ENSO-induced tropical Pacific rainfall variability in a warming climate. Nature Geoscience, 2015, 8, 922-926.	12.9	131
88	On the Genesis of the Equatorial Annual Cycle. Journal of Climate, 1994, 7, 2008-2013.	3.2	129
89	North American Climate in CMIP5 Experiments. Part II: Evaluation of Historical Simulations of Intraseasonal to Decadal Variability. Journal of Climate, 2013, 26, 9247-9290.	3.2	124
90	Tracking ocean heat uptake during the surface warming hiatus. Nature Communications, 2016, 7, 10926.	12.8	124

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91	Muted precipitation increase in global warming simulations: A surface evaporation perspective. Journal of Geophysical Research, 2008, 113, .	3.3	122
92	Indian Ocean Dipole Response to Global Warming: Analysis of Ocean–Atmospheric Feedbacks in a Coupled Model*. Journal of Climate, 2010, 23, 1240-1253.	3.2	122
93	Wave- and Anemometer-Based Sea Surface Wind (WASWind) for Climate Change Analysis*. Journal of Climate, 2011, 24, 267-285.	3.2	122
94	Regional Patterns of Tropical Indo-Pacific Climate Change: Evidence of the Walker Circulation Weakening. Journal of Climate, 2012, 25, 1689-1710.	3.2	122
95	Intraseasonal variability of sea surface height in the Bay of Bengal. Journal of Geophysical Research: Oceans, 2013, 118, 816-830.	2.6	122
96	Indian Ocean Dipole Response to Global Warming in the CMIP5 Multimodel Ensemble*. Journal of Climate, 2013, 26, 6067-6080.	3.2	121
97	Some Overlooked Features of Tropical Atlantic Climate Leading to a New Niño-Like Phenomenon*. Journal of Climate, 2006, 19, 5859-5874.	3.2	117
98	Intraseasonal variability in the summer South China Sea: Wind jet, cold filament, and recirculations. Journal of Geophysical Research, 2007, 112, .	3.3	117
99	Interdecadal Variations in ENSO Teleconnection to the Indo–Western Pacific for 1870–2007. Journal of Climate, 2012, 25, 1722-1744.	3.2	115
100	Seasonality and Predictability of the Indian Ocean Dipole Mode: ENSO Forcing and Internal Variability. Journal of Climate, 2015, 28, 8021-8036.	3.2	114
101	Mapping High Sea Winds from Space: A Global Climatology. Bulletin of the American Meteorological Society, 2007, 88, 1965-1978.	3.3	113
102	Eastern tropical Pacific hydrologic changes during the past 27,000 years from D/H ratios in alkenones. Paleoceanography, 2007, 22, .	3.0	113
103	The Effect of Orbital Forcing on the Mean Climate and Variability of the Tropical Pacific. Journal of Climate, 2007, 20, 4147-4159.	3.2	111
104	Tropical Atlantic biases and their relation to surface wind stress and terrestrial precipitation. Climate Dynamics, 2012, 38, 985-1001.	3.8	111
105	Climate impacts of a weakened Atlantic Meridional Overturning Circulation in a warming climate. Science Advances, 2020, 6, eaaz4876.	10.3	111
106	Effects of excessive equatorial cold tongue bias on the projections of tropical Pacific climate change. Part I: the warming pattern in CMIP5 multi-model ensemble. Climate Dynamics, 2016, 47, 3817-3831.	3.8	110
107	Seasonal Variations of Yellow Sea Fog: Observations and Mechanisms*. Journal of Climate, 2009, 22, 6758-6772.	3.2	108
108	Coupled ocean-atmospheric waves on the equatorial front. Geophysical Research Letters, 1998, 25, 3863-3866.	4.0	106

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109	Early 20th-century Arctic warming intensified by Pacific and Atlantic multidecadal variability. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6227-6232.	7.1	106
110	A Regional Ocean–Atmosphere Model for Eastern Pacific Climate: Toward Reducing Tropical Biases*. Journal of Climate, 2007, 20, 1504-1522.	3.2	104
111	Direct Observations of Atmospheric Boundary Layer Response to SST Variations Associated with Tropical Instability Waves over the Eastern Equatorial Pacific*. Journal of Climate, 2002, 15, 3379-3393.	3.2	102
112	Decadal variations in the subtropical cells and equatorial pacific SST. Geophysical Research Letters, 2002, 29, 20-1.	4.0	102
113	The Central American Midsummer Drought: Regional Aspects and Large-Scale Forcing*. Journal of Climate, 2007, 20, 4853-4873.	3.2	102
114	Intraseasonal variability in sea surface height over the South China Sea. Journal of Geophysical Research, 2010, 115, .	3.3	102
115	Deep Atmospheric Response to the Spring Kuroshio over the East China Sea*. Journal of Climate, 2011, 24, 4959-4972.	3.2	102
116	Weakening of the equatorial Atlantic cold tongue over the past six decades. Nature Geoscience, 2011, 4, 222-226.	12.9	101
117	Global energetics and local physics as drivers of past, present and future monsoons. Nature Geoscience, 2018, 11, 392-400.	12.9	100
118	Westward Propagation of Latitudinal Asymmetry in a Coupled Ocean–Atmosphere Model. Journals of the Atmospheric Sciences, 1996, 53, 3236-3250.	1.7	97
119	Predictability of Northwest Pacific climate during summer and the role of the tropical Indian Ocean. Climate Dynamics, 2011, 36, 607-621.	3.8	97
120	Numerical Simulation of Atmospheric Response to Pacific Tropical Instability Waves*. Journal of Climate, 2003, 16, 3723-3741.	3.2	94
121	Decadal increase in Ningaloo <i>Niño</i> since the late 1990s. Geophysical Research Letters, 2015, 42, 104-112.	4.0	94
122	Ocean–Atmosphere Covariability in the Western Arabian Sea*. Journal of Climate, 2004, 17, 1213-1224.	3.2	93
123	SST-Induced Surface Wind Variations over the Brazil–Malvinas Confluence: Satellite and In Situ Observations*. Journal of Climate, 2005, 18, 3470-3482.	3.2	92
124	Western Pacific emergent constraint lowers projected increase in Indian summer monsoonÂrainfall. Nature Climate Change, 2017, 7, 708-712.	18.8	92
125	Corals record long-term Leeuwin current variability including Ningaloo Niño/Niña since 1795. Nature Communications, 2014, 5, 3607.	12.8	89
126	Three subtropical fronts in the North Pacific: Observational evidence for mode water-induced subsurface frontogenesis. Journal of Geophysical Research, 2006, 111, .	3.3	87

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127	Monsoon-Induced Biases of Climate Models over the Tropical Indian Ocean*. Journal of Climate, 2015, 28, 3058-3072.	3.2	86
128	Initialized Earth System prediction from subseasonal to decadal timescales. Nature Reviews Earth & Environment, 2021, 2, 340-357.	29.7	85
129	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	29.7	85
130	Observing mesoscale eddy effects on mode-water subduction and transport in the North Pacific. Nature Communications, 2016, 7, 10505.	12.8	82
131	Precipitation Response to the Gulf Stream in an Atmospheric GCM*. Journal of Climate, 2010, 23, 3676-3698.	3.2	81
132	Regional Model Simulations of Marine Boundary Layer Clouds over the Southeast Pacific off South America. Part I: Control Experiment*. Monthly Weather Review, 2004, 132, 274-296.	1.4	80
133	Atmospheric Rivers over the Northwestern Pacific: Climatology and Interannual Variability. Journal of Climate, 2017, 30, 5605-5619.	3.2	80
134	Global Teleconnections in Response to a Shutdown of the Atlantic Meridional Overturning Circulation*. Journal of Climate, 2008, 21, 3002-3019.	3.2	79
135	Predictability of summer northwest Pacific climate in 11 coupled model hindcasts: Local and remote forcing. Journal of Geophysical Research, 2010, 115, .	3.3	78
136	Indian Ocean variability in the CMIP5 multi-model ensemble: the zonal dipole mode. Climate Dynamics, 2014, 43, 1715-1730.	3.8	78
137	Seasonal Effects of Indian Ocean Freshwater Forcing in a Regional Coupled Model*. Journal of Climate, 2009, 22, 6577-6596.	3.2	77
138	A 117â€year long index of the Pacificâ€lapan pattern with application to interdecadal variability. International Journal of Climatology, 2016, 36, 1575-1589.	3.5	77
139	Atmospheric sounding over the winter Kuroshio Extension: Effect of surface stability on atmospheric boundary layer structure. Geophysical Research Letters, 2006, 33, .	4.0	76
140	Analysis and high-resolution modeling of a dense sea fog event over the Yellow Sea. Atmospheric Research, 2006, 81, 293-303.	4.1	76
141	Intermodel Uncertainty in ENSO Amplitude Change Tied to Pacific Ocean Warming Pattern. Journal of Climate, 2016, 29, 7265-7279.	3.2	76
142	Atlantic and Pacific tropics connected by mutually interactive decadal-timescale processes. Nature Geoscience, 2021, 14, 36-42.	12.9	76
143	Interdecadal Amplitude Modulation of El Niño–Southern Oscillation and Its Impact on Tropical Pacific Decadal Variability*. Journal of Climate, 2013, 26, 7280-7297.	3.2	75
144	Tropical Cyclone–Induced Ocean Response: A Comparative Study of the South China Sea and Tropical Northwest Pacific*,+. Journal of Climate, 2015, 28, 5952-5968.	3.2	75

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145	Westward propagation of barrier layer formation in the 2006–07 Rossby wave event over the tropical southwest Indian Ocean. Geophysical Research Letters, 2009, 36, .	4.0	74
146	Inter-hemispheric Decadal Variations in SST, Surface Wind, Heat Flux and Cloud Cover over the Atlantic Ocean Journal of the Meteorological Society of Japan, 2002, 80, 1199-1219.	1.8	73
147	Distinct energy budgets for anthropogenic and natural changes during global warming hiatus. Nature Geoscience, 2016, 9, 29-33.	12.9	73
148	Evolving Relative Importance of the Southern Ocean and North Atlantic in Anthropogenic Ocean Heat Uptake. Journal of Climate, 2018, 31, 7459-7479.	3.2	72
149	Subduction of the North Pacific Mode Waters in a Global High-Resolution GCM*. Journal of Physical Oceanography, 2002, 32, 746-763.	1.7	71
150	The Shape of Continents, Air-Sea Interaction, and the Rising Branch of the Hadley Circulation. Advances in Global Change Research, 2004, , 121-152.	1.6	70
151	Equatorward Propagation of Coupled Air–Sea Disturbances with Application to the Annual Cycle of the Eastern Tropical Pacific. Journals of the Atmospheric Sciences, 1994, 51, 3807-3822.	1.7	69
152	Deep Atmospheric Response to the North Pacific Oceanic Subtropical Front in Spring. Journal of Climate, 2008, 21, 5960-5975.	3.2	69
153	WES feedback and the Atlantic Meridional Mode: observations and CMIP5 comparisons. Climate Dynamics, 2017, 49, 1665-1679.	3.8	69
154	Comparison of Climate Response to Anthropogenic Aerosol versus Greenhouse Gas Forcing: Distinct Patterns. Journal of Climate, 2016, 29, 5175-5188.	3.2	68
155	What Caused the Global Surface Warming Hiatus of 1998–2013?. Current Climate Change Reports, 2017, 3, 128-140.	8.6	67
156	Southern Ocean Heat Uptake, Redistribution, and Storage in a Warming Climate: The Role of Meridional Overturning Circulation. Journal of Climate, 2018, 31, 4727-4743.	3.2	66
157	Extratropical forcing and tropical rainfall distribution: energetics framework and ocean Ekman advection. Npj Climate and Atmospheric Science, 2018, 1, .	6.8	65
158	Response of the Kuroshio Extension to Rossby Waves Associated with the 1970s Climate Regime Shift in a High-Resolution Ocean Model*. Journal of Climate, 2005, 18, 2979-2995.	3.2	64
159	Interdecadal Variations in ENSO Influences on Northwest Pacific–East Asian Early Summertime Climate Simulated in CMIP5 Models. Journal of Climate, 2014, 27, 5982-5998.	3.2	64
160	Satellite observations of intense intraseasonal cooling events in the tropical south Indian Ocean. Geophysical Research Letters, 2006, 33, .	4.0	63
161	Atmospheric Effects of the Kuroshio Large Meander during 2004–05*. Journal of Climate, 2010, 23, 4704-4715.	3.2	63
162	Abrupt Onset and Slow Seasonal Evolution of Summer Monsoon in an Idealized GCM Simulation. Journal of the Meteorological Society of Japan, 1999, 77, 949-968.	1.8	62

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163	Fast and Slow Responses to Global Warming: Sea Surface Temperature and Precipitation Patterns. Journal of Climate, 2014, 27, 285-299.	3.2	62
164	Connecting tropical climate change with Southern Ocean heat uptake. Geophysical Research Letters, 2017, 44, 9449-9457.	4.0	61
165	Mesoscale eddy effects on the subduction of North Pacific mode waters. Journal of Geophysical Research: Oceans, 2014, 119, 4867-4886.	2.6	60
166	A Robust but Spurious Pattern of Climate Change in Model Projections over the Tropical Indian Ocean. Journal of Climate, 2016, 29, 5589-5608.	3.2	60
167	Intensification of El Niño-induced atmospheric anomalies under greenhouse warming. Nature Geoscience, 2021, 14, 377-382.	12.9	60
168	Influences of Atlantic Climate Change on the Tropical Pacific via the Central American Isthmus*. Journal of Climate, 2008, 21, 3914-3928.	3.2	59
169	Indian Ocean Variability in the CMIP5 Multimodel Ensemble: The Basin Mode. Journal of Climate, 2013, 26, 7240-7266.	3.2	58
170	Effects of the Andes on Eastern Pacific Climate: A Regional Atmospheric Model Study*. Journal of Climate, 2004, 17, 589-602.	3.2	57
171	Dynamical Role of Mode Water Ventilation in Decadal Variability in the Central Subtropical Gyre of the North Pacific*. Journal of Climate, 2011, 24, 1212-1225.	3.2	57
172	Response of the Indian Ocean Basin Mode and Its Capacitor Effect to Global Warming*. Journal of Climate, 2011, 24, 6146-6164.	3.2	57
173	Changes in Extreme Rainfall Over India and China Attributed to Regional Aerosolâ€Cloud Interaction During the Late 20th Century Rapid Industrialization. Geophysical Research Letters, 2018, 45, 7857-7865.	4.0	57
174	Decadal variability of the Kuroshio Extension: mesoscale eddies and recirculations. Ocean Dynamics, 2010, 60, 673-691.	2.2	56
175	Climatological Relationship between Warm Season Atmospheric Rivers and Heavy Rainfall over East Asia. Journal of the Meteorological Society of Japan, 2017, 95, 411-431.	1.8	56
176	Challenges and opportunities for improved understanding of regional climate dynamics. Nature Climate Change, 2018, 8, 101-108.	18.8	56
177	Observations of Marine Atmospheric Boundary Layer Transitions across the Summer Kuroshio Extension*. Journal of Climate, 2009, 22, 1360-1374.	3.2	55
178	Interannual-to-decadal variability and trends of sea level in the South China Sea. Climate Dynamics, 2016, 46, 3113-3126.	3.8	54
179	Orographically Anchored El Niño Effect on Summer Rainfall in Central China. Journal of Climate, 2017, 30, 10037-10045.	3.2	54
180	A well-mixed warm water column in the central Bohai Sea in summer: Effects of tidal and surface wave mixing. Journal of Geophysical Research, 2006, 111, .	3.3	53

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181	Uncertainty in Tropical Rainfall Projections: Atmospheric Circulation Effect and the Ocean Coupling. Journal of Climate, 2016, 29, 2671-2687.	3.2	53
182	Regional Model Simulations of Marine Boundary Layer Clouds over the Southeast Pacific off South America. Part II: Sensitivity Experiments*. Monthly Weather Review, 2004, 132, 2650-2668.	1.4	52
183	Sea Level Pressure Minimum along the Kuroshio and Its Extension*. Journal of Climate, 2011, 24, 4419-4434.	3.2	52
184	Why Does Global Warming Weaken the Gulf Stream but Intensify the Kuroshio?. Journal of Climate, 2019, 32, 7437-7451.	3.2	52
185	On Equatorial Pacific Surface Wind Changes around 1977: NCEP–NCAR Reanalysis versus COADS Observations*. Journal of Climate, 2003, 16, 167-173.	3.2	51
186	Forced and Internal Variability of Tropical Cyclone Track Density in the Western North Pacific*. Journal of Climate, 2015, 28, 143-167.	3.2	51
187	Walker circulation response to extratropical radiative forcing. Science Advances, 2020, 6, .	10.3	51
188	Numerical Simulation of Boundary Layer Structure and Cross-Equatorial Flow in the Eastern Pacific*. Journals of the Atmospheric Sciences, 2005, 62, 1812-1830.	1.7	50
189	Important Factors for the Development of the Asian–Northwest Pacific Summer Monsoon*. Journal of Climate, 2009, 22, 649-669.	3.2	50
190	What controls equatorial Atlantic winds in boreal spring?. Climate Dynamics, 2014, 43, 3091-3104.	3.8	50
191	Effects of Climatological Model Biases on the Projection of Tropical Climate Change. Journal of Climate, 2015, 28, 9909-9917.	3.2	48
192	Phase locking of equatorial Atlantic variability through the seasonal migration of the ITCZ. Climate Dynamics, 2017, 48, 3615-3629.	3.8	48
193	Eastern Pacific ITCZ Dipole and ENSO Diversity. Journal of Climate, 2018, 31, 4449-4462.	3.2	48
194	The North Pacific Pacemaker Effect on Historical ENSO and Its Mechanisms. Journal of Climate, 2019, 32, 7643-7661.	3.2	48
195	Formation and Variability of a Northerly ITCZ in a Hybrid Coupled AGCM: Continental Forcing and Oceanic–Atmospheric Feedback*. Journal of Climate, 2001, 14, 1262-1276.	3.2	47
196	Subseasonal Variability of the Southeast Pacific Stratus Cloud Deck*. Journal of Climate, 2005, 18, 131-142.	3.2	47
197	Large-Scale Atmospheric Forcing by Southeast Pacific Boundary Layer Clouds: A Regional Model Study*. Journal of Climate, 2005, 18, 934-951.	3.2	47
198	Enhanced equatorial warming causes deep-tropical contraction and subtropical monsoon shift. Nature Climate Change, 2019, 9, 834-839.	18.8	47

#	Article	IF	CITATIONS
199	Contributions of the North Pacific Meridional Mode to Ensemble Spread of ENSO Prediction. Journal of Climate, 2017, 30, 9167-9181.	3.2	46
200	Improving Atmospheric River Forecasts With Machine Learning. Geophysical Research Letters, 2019, 46, 10627-10635.	4.0	46
201	Atmospheric Response to Zonal Variations in Midlatitude SST: Transient and Stationary Eddies and Their Feedback*. Journal of Climate, 2003, 16, 3314-3329.	3.2	46
202	Interaction between the Annual and Interannual Variations in the Equatorial Pacific. Journal of Physical Oceanography, 1995, 25, 1930-1941.	1.7	45
203	Propagation of North Pacific interdecadal subsurface temperature anomalies in an ocean GCM. Geophysical Research Letters, 2000, 27, 3747-3750.	4.0	45
204	Contrasting the tropical responses to zonally asymmetric extratropical and tropical thermal forcing. Climate Dynamics, 2014, 42, 2033-2043.	3.8	45
205	Evolution of South Tropical Indian Ocean Warming and the Climatic Impacts Following Strong El Niño Events. Journal of Climate, 2019, 32, 7329-7347.	3.2	45
206	Vertical Mixing in the Ocean and Its Impact on the Coupled Ocean–Atmosphere System in the Eastern Tropical Pacific*. Journal of Climate, 2009, 22, 3703-3719.	3.2	44
207	Sensitivity of tropical intraseasonal variability to the pattern of climate warming. Journal of Advances in Modeling Earth Systems, 2013, 5, 32-47.	3.8	44
208	Pacific Decadal Oscillation: Tropical Pacific Forcing versus Internal Variability. Journal of Climate, 2018, 31, 8265-8279.	3.2	44
209	Coupled ocean-atmosphere dynamics of the 2017 extreme coastal El Niño. Nature Communications, 2019, 10, 298.	12.8	44
210	What Maintains the SST Front North of the Eastern Pacific Equatorial Cold Tongue?*. Journal of Climate, 2007, 20, 2500-2514.	3.2	42
211	Asian summer monsoon simulated by a global cloudâ€systemâ€resolving model: Diurnal to intraâ€seasonal variability. Geophysical Research Letters, 2009, 36, .	4.0	42
212	Ocean mediation of tropospheric response to reflecting and absorbing aerosols. Atmospheric Chemistry and Physics, 2015, 15, 5827-5833.	4.9	42
213	The interplay of internal and forced modes of Hadley Cell expansion: lessons from the global warming hiatus. Climate Dynamics, 2018, 51, 305-319.	3.8	42
214	Program Studies the Kuroshio Extension. Eos, 2008, 89, 161-162.	0.1	40
215	Climate Model Errors over the South Indian Ocean Thermocline Dome and Their Effect on the Basin Mode of Interannual Variability*. Journal of Climate, 2015, 28, 3093-3098.	3.2	40
216	Dynamics of Asian Summer Monsoon Response to Anthropogenic Aerosol Forcing. Journal of Climate, 2019, 32, 843-858.	3.2	40

#	Article	IF	CITATIONS
217	Estimates of Surface and Subsurface Forcing for Decadal Sea Surface Temperature Variability in the Mid-Latitude North Pacific Journal of the Meteorological Society of Japan, 2002, 80, 1289-1300.	1.8	40
218	Effects of Central American Mountains on the Eastern Pacific Winter ITCZ and Moisture Transport*. Journal of Climate, 2005, 18, 3856-3873.	3.2	39
219	ASCAT observations of downdrafts from mesoscale convective systems. Geophysical Research Letters, 2015, 42, 1951-1958.	4.0	39
220	Ocean warming and accelerating Southern Ocean zonal flow. Nature Climate Change, 2021, 11, 1090-1097.	18.8	39
221	Ocean-Atmosphere Variability over the Pan-Atlantic Basin. Journal of the Meteorological Society of Japan, 1999, 77, 31-46.	1.8	38
222	Barometric Pressure Variations Associated with Eastern Pacific Tropical Instability Waves*. Journal of Climate, 2003, 16, 3050-3057.	3.2	38
223	Interhemispheric Coherence of Tropical Climate Variability: Effect of the Climatological ITCZ. Journal of the Meteorological Society of Japan, 2003, 81, 1371-1386.	1.8	38
224	Ocean tidal cooling effect on summer sea fog over the Okhotsk Sea. Journal of Geophysical Research, 2009, 114, .	3.3	38
225	Pathways of mesoscale variability in the South China Sea. Chinese Journal of Oceanology and Limnology, 2010, 28, 1055-1067.	0.7	37
226	Seasonal Modulations of El Niño–Related Atmospheric Variability: Indo–Western Pacific Ocean Feedback. Journal of Climate, 2017, 30, 3461-3472.	3.2	37
227	Amplified Madden–Julian oscillation impacts in the Pacific–North America region. Nature Climate Change, 2020, 10, 654-660.	18.8	37
228	Effect of shallow cumulus convection on the eastern Pacific climate in a coupled model. Geophysical Research Letters, 2006, 33, .	4.0	36
229	Surface warming–induced global acceleration of upper ocean currents. Science Advances, 2022, 8, eabj8394.	10.3	36
230	A Global Survey of Ocean-Atmosphere Interaction and Climate Variability. Geophysical Monograph Series, 0, , 1-19.	0.1	35
231	Eastern North Pacific Subtropical Mode Water in a general circulation model: Formation mechanism and salinity effects. Journal of Geophysical Research, 2001, 106, 19671-19681.	3.3	34
232	Stationary Eddy Response to Surface Boundary Forcing: Idealized GCM Experiments*. Journals of the Atmospheric Sciences, 2002, 59, 1898-1915.	1.7	34
233	Importance of Ocean Dynamics for the Skewness of the Indian Ocean Dipole Mode*. Journal of Climate, 2013, 26, 2145-2159.	3.2	34
234	Detecting crossâ€equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing. Geophysical Research Letters, 2016, 43, 3444-3450.	4.0	34

#	Article	IF	CITATIONS
235	How and why climate variability differs between the tropical Atlantic and Pacific. Geophysical Research Letters, 1999, 26, 1609-1612.	4.0	33
236	Two Types of Surface Wind Response to the East China Sea Kuroshio Front*. Journal of Climate, 2013, 26, 8616-8627.	3.2	33
237	Enhanced warming of the subtropical mode water in the North Pacific and North Atlantic. Nature Climate Change, 2017, 7, 656-658.	18.8	33
238	Removing Circulation Effects to Assess Central U.S. Landâ€Atmosphere Interactions in the CESM Large Ensemble. Geophysical Research Letters, 2017, 44, 9938-9946.	4.0	33
239	Tropical and Extratropical SST Effects on the Midlatitude Storm Track Journal of the Meteorological Society of Japan, 2002, 80, 1069-1076.	1.8	32
240	Moisture transport from the Atlantic to the Pacific basin and its response to North Atlantic cooling and global warming. Climate Dynamics, 2010, 35, 551-566.	3.8	32
241	Regions of significant influence on unforced global mean surface air temperature variability in climate models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 480-494.	3.3	32
242	Atlantic effects on recent decadal trends in global monsoon. Climate Dynamics, 2017, 49, 3443-3455.	3.8	32
243	Interannual Variability of Summer Surface Air Temperature over Central India: Implications for Monsoon Onset. Journal of Climate, 2019, 32, 1693-1706.	3.2	32
244	Ocean Warming Pattern Effect On Global And Regional Climate Change. AGU Advances, 2020, 1, e2019AV000130.	5.4	32
245	Barrier layer in the South China Sea during summer 2000. Dynamics of Atmospheres and Oceans, 2009, 47, 38-54.	1.8	31
246	Mode water ventilation and subtropical countercurrent over the North Pacific in CMIP5 simulations and future projections. Journal of Geophysical Research, 2012, 117, .	3.3	31
247	Variability of Tropical Cyclone Track Density in the North Atlantic: Observations and High-Resolution Simulations. Journal of Climate, 2014, 27, 4797-4814.	3.2	31
248	Influence of the Extratropical Ocean Circulation on the Intertropical Convergence Zone in an Idealized Coupled General Circulation Model. Journal of Climate, 2013, 26, 4612-4629.	3.2	30
249	Robust Warming Pattern of Global Subtropical Oceans and Its Mechanism. Journal of Climate, 2015, 28, 8574-8584.	3.2	30
250	Evaluating AMIP Skill in Simulating Interannual Variability over the Indo–Western Pacific. Journal of Climate, 2018, 31, 2253-2265.	3.2	30
251	Deciphering Human Contributions to Yellow River Flow Reductions and Downstream Drying Using Centuriesâ€Long Tree Ring Records. Geophysical Research Letters, 2019, 46, 898-905.	4.0	30
252	Zonal mean and shift modes of historical climate response to evolving aerosol distribution. Science Bulletin, 2021, 66, 2405-2411.	9.0	30

#	Article	IF	CITATIONS
253	Damping of Tropical Instability Waves caused by the action of surface currents on stress. Journal of Geophysical Research, 2009, 114, .	3.3	29
254	Dependence of Climate Response on Meridional Structure of External Thermal Forcing. Journal of Climate, 2014, 27, 5593-5600.	3.2	29
255	Tropical Ocean Contributions to California's Surprisingly Dry El Niño of 2015/16. Journal of Climate, 2017, 30, 10067-10079.	3.2	29
256	ENSO forced and local variability of North Tropical Atlantic SST: model simulations and biases. Climate Dynamics, 2018, 51, 4511-4524.	3.8	29
257	Effect of the mean flow on the anomalous anticyclone over the Indo-Northwest Pacific in post-El Niño summers. Climate Dynamics, 2019, 53, 5725-5741.	3.8	29
258	Far-Field Simulation of the Hawaiian Wake: Sea Surface Temperature and Orographic Effects*. Journals of the Atmospheric Sciences, 2003, 60, 3021-3032.	1.7	29
259	A Hemispheric-Scale Quasi-Decadal Oscillation and Its Signature in Northern Japan. Journal of the Meteorological Society of Japan, 1999, 77, 573-582.	1.8	28
260	Coastal upwelling in summer 2000 in the northeastern South China Sea. Journal of Geophysical Research, 2012, 117, .	3.3	28
261	Variability and Predictability of North Atlantic Hurricane Frequency in a Large Ensemble of High-Resolution Atmospheric Simulations. Journal of Climate, 2019, 32, 3153-3167.	3.2	28
262	On the termination of the Hawaiian Lee Countercurrent. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	27
263	Simulation of Seasonal Variation of Marine Boundary Layer Clouds over the Eastern Pacific with a Regional Climate Model*. Journal of Climate, 2011, 24, 3190-3210.	3.2	27
264	ENSO's Impact on the Gap Wind Regions of the Eastern Tropical Pacific Ocean*. Journal of Climate, 2012, 25, 3549-3565.	3.2	27
265	Asymmetry of Winter European Surface Air Temperature Extremes and the North Atlantic Oscillation. Journal of Climate, 2015, 28, 517-530.	3.2	27
266	The North Pacific Oxygen Uptake Rates over the Past Half Century. Journal of Climate, 2016, 29, 61-76.	3.2	27
267	Assessing the internal variability in multi-decadal trends of summer surface air temperature over East Asia with a large ensemble of GCM simulations. Climate Dynamics, 2019, 52, 6229-6242.	3.8	27
268	Unstable Transition of the Tropical Climate to an Equatorially Asymmetric Statein a Coupled Ocean–Atmosphere Model. Monthly Weather Review, 1997, 125, 667-679.	1.4	27
269	Title is missing!. Journal of Oceanography, 2000, 56, 173-183.	1.7	26
270	Response of the North Pacific subtropical countercurrent and its variability to global warming. Journal of Oceanography, 2012, 68, 127-137.	1.7	26

#	Article	IF	CITATIONS
271	Low-Level Cloud Response to the Gulf Stream Front in Winter Using CALIPSO*. Journal of Climate, 2014, 27, 4421-4432.	3.2	26
272	Summer U.S. Surface Air Temperature Variability: Controlling Factors and AMIP Simulation Biases. Journal of Climate, 2016, 29, 5123-5139.	3.2	26
273	Greenhouse warming intensifies north tropical Atlantic climate variability. Science Advances, 2021, 7, .	10.3	26
274	Effects of Buoyancy and Wind Forcing on Southern Ocean Climate Change. Journal of Climate, 2020, 33, 10003-10020.	3.2	26
275	Satellite observations of mesoscale ocean features and copropagating atmospheric surface fields in the tropical belt. Journal of Geophysical Research, 2005, 110, .	3.3	25
276	Development processes of the Tropical Pacific Meridional Mode. Advances in Atmospheric Sciences, 2010, 27, 95-99.	4.3	25
277	Remote Forcing versus Local Feedback of East Pacific Intraseasonal Variability during Boreal Summer. Journal of Climate, 2013, 26, 3575-3596.	3.2	25
278	Evolution of the North Pacific Subtropical Mode Water in Anticyclonic Eddies. Journal of Geophysical Research: Oceans, 2017, 122, 10118-10130.	2.6	25
279	Atmospheric Conditions for Advectionâ€Radiation Fog Over the Western Yellow Sea. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5455-5468.	3.3	25
280	Interannual variability of the North Pacific Subtropical Countercurrent: role of local ocean–atmosphere interaction. Journal of Oceanography, 2012, 68, 113-126.	1.7	24
281	Intermodel variations in projected precipitation change over the North Atlantic: Sea surface temperature effect. Geophysical Research Letters, 2015, 42, 4158-4165.	4.0	24
282	El Niño–Like Physical and Biogeochemical Ocean Response to Tropical Eruptions. Journal of Climate, 2019, 32, 2627-2649.	3.2	24
283	Untangling impacts of global warming and Interdecadal Pacific Oscillation on long-term variability of North Pacific tropical cyclone track density. Science Advances, 2020, 6, .	10.3	24
284	Oceanic response to the wind forcing associated with the Intertropical Convergence Zone in the northern hemisphere. Journal of Geophysical Research, 1994, 99, 20393.	3.3	23
285	Ocean–Atmosphere Interaction in the Making of the Walker Circulation and Equatorial Cold Tongue. Journal of Climate, 1998, 11, 189-201.	3.2	23
286	Ocean thermal advective effect on the annual range of sea surface temperature. Geophysical Research Letters, 2005, 32, .	4.0	23
287	An Ocean View of the Global Surface Warming Hiat. Oceanography, 2018, 31, .	1.0	23
288	Interdecadal temperature variations in the North Pacific Central Mode Water simulated by an OGCM. Journal of Oceanography, 2004, 60, 865-877.	1.7	22

#	Article	IF	CITATIONS
289	Orographic effects on the northwestern Pacific monsoon: Role of airâ€sea interaction. Geophysical Research Letters, 2007, 34, .	4.0	22
290	Seasonality of tropical <scp>P</scp> acific decadal trends associated with the 21st century global warming hiatus. Journal of Geophysical Research: Oceans, 2015, 120, 6782-6798.	2.6	22
291	Understanding the Indian Ocean response to double CO2 forcing in a coupled model. Ocean Dynamics, 2015, 65, 1037-1046.	2.2	22
292	Interdecadal Difference of Interannual Variability Characteristics of South China Sea SSTs Associated with ENSO. Journal of Climate, 2015, 28, 7145-7160.	3.2	22
293	A Hierarchy of Idealized Monsoons in an Intermediate GCM. Journal of Climate, 2018, 31, 9021-9036.	3.2	22
294	Orographic effects on South China Sea summer climate. Meteorology and Atmospheric Physics, 2008, 100, 275-289.	2.0	21
295	Poleward Stationary Eddy Heat Transport by the Tibetan Plateau and Equatorward Shift of Westerlies during Northern Winter*. Journals of the Atmospheric Sciences, 2013, 70, 3288-3301.	1.7	21
296	Eastern Pacific Wind Effect on the Evolution of El Niño: Implications for ENSO Diversity. Journal of Climate, 2020, 33, 3197-3212.	3.2	21
297	Upper-tropospheric inversion and easterly jet in the tropics. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	20
298	Thermohaline Structure in the Subarctic North Pacific Simulated in a General Circulation Model*. Journal of Physical Oceanography, 2004, 34, 360-371.	1.7	20
299	Intraseasonal variability in the far-east pacific: investigation of the role of air–sea coupling in a regional coupled model. Climate Dynamics, 2011, 36, 867-890.	3.8	20
300	Oscillations with Two Feedback Processes in a Coupled Ocean–Atmosphere Model. Journal of Climate, 1989, 2, 946-964.	3.2	19
301	Seasonal variations of the Hawaiian Lee Countercurrent induced by the meridional migration of the trade winds. Ocean Dynamics, 2010, 60, 705-715.	2.2	19
302	Semiannual Cycle in Zonal Wind over the Equatorial Indian Ocean. Journal of Climate, 2011, 24, 6471-6485.	3.2	19
303	Subseasonal and Interannual Temperature Variability in Relation to Extreme Temperature Occurrence over East Asia. Journal of Climate, 2013, 26, 9026-9042.	3.2	19
304	Intermember Variability of the Summer Northwest Pacific Subtropical Anticyclone in the Ensemble Forecast. Journal of Climate, 2017, 30, 3927-3941.	3.2	19
305	Diurnal Convectionâ€Wind Coupling in the Bay of Bengal. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9705-9720.	3.3	19
306	Forced response and internal variability of summer climate over western North America. Climate Dynamics, 2017, 49, 403-417.	3.8	19

#	Article	IF	CITATIONS
307	The Thermal Wake of Kauai Island: Satellite Observations and Numerical Simulations*. Journal of Climate, 2008, 21, 4568-4586.	3.2	18
308	Interannual variations in low potential vorticity water and the subtropical countercurrent in an eddy-resolving OGCM. Journal of Oceanography, 2012, 68, 139-150.	1.7	18
309	Process-Oriented Diagnosis of East Pacific Warm Pool Intraseasonal Variability. Journal of Climate, 2014, 27, 6305-6324.	3.2	18
310	El Niño phases embedded in Asian and North American drought reconstructions. Quaternary Science Reviews, 2014, 85, 20-34.	3.0	18
311	Low-Cloud Transitions across the Kuroshio Front in the East China Sea. Journal of Climate, 2016, 29, 4429-4443.	3.2	18
312	Leading the hiatus research surge. Nature Climate Change, 2016, 6, 345-346.	18.8	18
313	Ocean warming pattern effects on future changes in East Asian atmospheric rivers. Environmental Research Letters, 2019, 14, 054019.	5.2	18
314	Multidecadal modulations of key metrics of global climate change. Global and Planetary Change, 2020, 188, 103149.	3.5	18
315	Response of the North Pacific subtropical countercurrent and its variability to global warming. , 2011, , 135-145.		18
316	Evaporation-Wind Feedback and the Organizing of Tropical Convection on the Planetary Scale. Part I: Quasi-Linear Instability. Journals of the Atmospheric Sciences, 1993, 50, 3873-3883.	1.7	17
317	Steady Response of a Ventilated Thermocline to Enhanced Ekman Pumping. Journal of Oceanography, 2002, 58, 565-575.	1.7	17
318	Response and impact of equatorial ocean dynamics and tropical instability waves in the tropical Atlantic under global warming: A regional coupled downscaling study. Journal of Geophysical Research, 2011, 116, .	3.3	17
319	An interdecadal change of tropical cyclone activity in the South China Sea in the early 1990s. Chinese Journal of Oceanology and Limnology, 2012, 30, 953-959.	0.7	17
320	Robust cloud feedback over tropical land in a warming climate. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2593-2609.	3.3	17
321	Global Influence of Tropical Pacific Variability with Implications for Global Warming Slowdown. Journal of Climate, 2017, 30, 2679-2695.	3.2	17
322	Intermodel spread of the doubleâ€ITCZ bias in coupled GCMs tied to land surface temperature in AMIP GCMs. Geophysical Research Letters, 2017, 44, 7975-7984.	4.0	17
323	Local and Nonlocal Land Surface Influence in European Heatwave Initial Condition Ensembles. Geophysical Research Letters, 2019, 46, 14082-14092.	4.0	17
324	Variability and Predictability of Indian Rainfall During the Monsoon Onset Month of June. Geophysical Research Letters, 2019, 46, 14782-14788.	4.0	17

#	Article	IF	CITATIONS
325	The Maintenance of an Equatorially Asymmetric State in a Hybrid Coupled GCM. Journals of the Atmospheric Sciences, 1994, 51, 2602-2612.	1.7	16
326	East Pacific ocean eddies and their relationship to subseasonal variability in Central American wind jets. Journal of Geophysical Research, 2012, 117, .	3.3	16
327	Tropical water vapor variations during the 2006–2007 and 2009–2010 El Niños: Satellite observation and GFDL AM2.1 simulation. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8910-8920.	3.3	16
328	Advancing climate dynamics toward reliable regional climate projections. Journal of Ocean University of China, 2013, 12, 191-200.	1.2	16
329	Equatorward shift of the South Asian high in response to anthropogenic forcing. Theoretical and Applied Climatology, 2015, 119, 113-122.	2.8	16
330	Indo-Western Pacific Climate Variability: ENSO Forcing and Internal Dynamics in a Tropical Pacific Pacemaker Simulation. Journal of Climate, 2018, 31, 10123-10139.	3.2	16
331	Dynamics on Seasonal Variability of EKE Associated with TIWs in the Eastern Equatorial Pacific Ocean. Journal of Physical Oceanography, 2019, 49, 1503-1519.	1.7	16
332	Effects of Ocean Slow Response under Low Warming Targets. Journal of Climate, 2020, 33, 477-496.	3.2	16
333	Anthropogenic aerosol effects on tropospheric circulation and sea surface temperature (1980–2020): separating the role of zonally asymmetric forcings. Atmospheric Chemistry and Physics, 2021, 21, 18499-18518.	4.9	16
334	Evaporation-Wind Feedback and the Organizing of Tropical Convection on the Planetary Scale. Part II: Nonlinear Evolution. Journals of the Atmospheric Sciences, 1993, 50, 3884-3893.	1.7	15
335	Cloud patterns lee of Hawaii Island: A synthesis of satellite observations and numerical simulation. Journal of Geophysical Research, 2008, 113, .	3.3	15
336	The Formation of a Surface Anticyclone over the Yellow and East China Seas in Spring. Journal of the Meteorological Society of Japan, 2011, 89, 119-131.	1.8	14
337	The de-correlation of westerly winds and westerly-wind stress over the Southern Ocean during the Last Glacial Maximum. Climate Dynamics, 2015, 45, 3157-3168.	3.8	14
338	A Conceptual Spectral Plume Model for Understanding Tropical Temperature Profile and Convective Updraft Velocities. Journals of the Atmospheric Sciences, 2019, 76, 2801-2814.	1.7	14
339	TheÂPacific Meridional Mode over the last millennium. Climate Dynamics, 2019, 53, 3547-3560.	3.8	14
340	Intensification of El Niño Rainfall Variability Over the Tropical Pacific in the Slow Oceanic Response to Global Warming. Geophysical Research Letters, 2019, 46, 2253-2260.	4.0	14
341	Buoyancy and Wind Driven Changes in Subantarctic Mode Water During 2004–2019. Geophysical Research Letters, 2021, 48, e2021GL092511.	4.0	14
342	Global Pattern Formation of Net Ocean Surface Heat Flux Response to Greenhouse Warming. Journal of Climate, 2020, 33, 7503-7522.	3.2	14

#	Article	IF	CITATIONS
343	Effects of Seasonal Solar Forcing on Latitudinal Asymmetry of the ITCZ. Journal of Climate, 1996, 9, 2945-2950.	3.2	13
344	Observations of eastward propagation of atmospheric intraseasonal oscillations from the Pacific to the Atlantic. Journal of Geophysical Research, 2011, 116, .	3.3	13
345	Baiu Rainband Termination in Atmospheric and Coupled Atmosphere–Ocean Models. Journal of Climate, 2013, 26, 10111-10124.	3.2	13
346	Effects of Kuroshio Intrusions on the atmosphere northeast of Taiwan Island. Geophysical Research Letters, 2015, 42, 1465-1470.	4.0	13
347	Rossby and Yanai Modes of Tropical Instability Waves in the Equatorial Pacific Ocean and a Diagnostic Model for Surface Currents. Journal of Physical Oceanography, 2020, 50, 3009-3024.	1.7	13
348	Seasonal Dependency of Tropical Precipitation Change under Global Warming. Journal of Climate, 2020, 33, 7897-7908.	3.2	12
349	Indo-Pacific Warming Induced by a Weakening of the Atlantic Meridional Overturning Circulation. Journal of Climate, 2022, 35, 815-832.	3.2	12
350	On the Wave-CISK in the Presence of a Frictional Boundary Layer. Journal of the Meteorological Society of Japan, 1990, 68, 651-657.	1.8	11
351	Formation of subtropical westerly jet core in an idealized GCM without mountains. Geophysical Research Letters, 2000, 27, 529-532.	4.0	11
352	Interannual variations of the Hawaiian Lee Countercurrent induced by potential vorticity variability in the subsurface. Journal of Oceanography, 2012, 68, 93-111.	1.7	11
353	Cloud Response to the Meandering Kuroshio Extension Front. Journal of Climate, 2013, 26, 9393-9398.	3.2	11
354	Characterizing CMIP5 model spread in simulated rainfall in the Pacific Intertropical Convergence and South Pacific Convergence Zones. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11590-11607.	3.3	11
355	Slow Preconditioning for the Abrupt Convective Jump over the Northwest Pacific during Summer. Journal of Climate, 2016, 29, 8103-8113.	3.2	11
356	Satellite Observations of Enhanced Chlorophyll Variability in the Southern California Bight. Journal of Geophysical Research: Oceans, 2018, 123, 7550-7563.	2.6	11
357	ENSO-Unrelated Variability in Indo–Northwest Pacific Climate: Regional Coupled Ocean–Atmospheric Feedback. Journal of Climate, 2020, 33, 4095-4108.	3.2	11
358	Atmospheric Internal Variability in the Summer Indo–Northwestern Pacific: Role of the Intraseasonal Oscillation. Journal of Climate, 2020, 33, 3395-3410.	3.2	11
359	Sea Surface Salinity Change since 1950: Internal Variability versus Anthropogenic Forcing. Journal of Climate, 2021, 34, 1305-1319.	3.2	11
360	Regional Patterns of Wintertime SLP Change over the North Pacific and Their Uncertainty in CMIP3 Multi-Model Projections. Journal of the Meteorological Society of Japan, 2012, 90A, 385-396.	1.8	11

#	Article	IF	CITATIONS
361	Circumventing rainâ€related errors in scatterometer wind observations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9422-9440.	3.3	10
362	Global Warming Pattern Formation: The Role of Ocean Heat Uptake. Journal of Climate, 2022, 35, 1885-1899.	3.2	10
363	Observations of the trade wind wakes of Kauai and Oahu. Geophysical Research Letters, 2008, 35, .	4.0	9
364	Observed Variations of the Atmospheric Boundary Layer and Stratocumulus over a Warm Eddy in the Kuroshio Extension. Monthly Weather Review, 2019, 147, 1581-1591.	1.4	9
365	Monthly Modulations of ENSO Teleconnections: Implications for Potential Predictability in North America. Journal of Climate, 2021, , 1-71.	3.2	9
366	A Common Base Mode of Asian Summer Monsoon Variability across Timescales. Journal of Climate, 2021, 34, 7359-7371.	3.2	9
367	Probabilistic Predictions from Deterministic Atmospheric River Forecasts with Deep Learning. Monthly Weather Review, 2022, 150, 215-234.	1.4	9
368	Varying contributions of fast and slow responses cause asymmetric tropical rainfall change between CO2 ramp-up and ramp-down. Science Bulletin, 2022, 67, 1702-1711.	9.0	9
369	Interannual variations of the Hawaiian Lee Countercurrent induced by potential vorticity variability in the subsurface. , 2011, , 89-107.		8
370	Fast and slow responses of the North Pacific mode water and Subtropical Countercurrent to global warming. Journal of Ocean University of China, 2013, 12, 216-221.	1.2	8
371	Impact of ocean warm layer thickness on the intensity of hurricane Katrina in a regional coupled model. Meteorology and Atmospheric Physics, 2013, 122, 19-32.	2.0	8
372	Multicore structure of the North Pacific subtropical mode water from enhanced Argo observations. Geophysical Research Letters, 2016, 43, 1249-1255.	4.0	8
373	Observing subsurface changes of two anticyclonic eddies passing over the Izuâ€Ogasawara Ridge. Geophysical Research Letters, 2017, 44, 1857-1865.	4.0	8
374	Causes of Enhanced SST Variability over the Equatorial Atlantic and Its Relationship to the Atlantic Zonal Mode in CMIP5. Journal of Climate, 2017, 30, 6171-6182.	3.2	8
375	Effects of a Cold Ocean Eddy on Local Atmospheric Boundary Layer Near the Kuroshio Extension: In Situ Observations and Model Experiments. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5779-5790.	3.3	8
376	Dynamics of Southern Hemisphere Atmospheric Circulation Response to Anthropogenic Aerosol Forcing. Geophysical Research Letters, 2020, 47, e2020GL089919.	4.0	8
377	Synchronized tropical Pacific and extratropical variability during the past three decades. Nature Climate Change, 2020, 10, 422-427.	18.8	8
378	Fast and slow responses of the Subantarctic Mode Water in the South Indian Ocean to global warming in CMIP5 extended RCP4.5 simulations. Climate Dynamics, 2021, 56, 3157-3171.	3.8	8

#	Article	IF	CITATIONS
379	Effects of Tropical Sea Surface Temperature Variability on Northern Hemisphere Tropical Cyclone Genesis. Journal of Climate, 2022, 35, 4719-4739.	3.2	8
380	Causes of equatorial asymmetry in sea surface temperature over the eastern Pacific. Geophysical Research Letters, 1997, 24, 2581-2584.	4.0	7
381	Interannual Variability of High-Wind Occurrence over the North Atlantic*. Journal of Climate, 2011, 24, 6515-6527.	3.2	7
382	A winter warm pool southwest of Hainan Island due to the orographic wind wake. Journal of Geophysical Research, 2012, 117, .	3.3	7
383	Unequal equinoxes. Nature, 2013, 500, 33-34.	27.8	7
384	Largeâ€Scale Conditions for the Recordâ€Setting Southern California Marine Heatwave of August 2018. Geophysical Research Letters, 2021, 48, e2020GL091803.	4.0	7
385	Pacific Meridional Modes without Equatorial Pacific Influence. Journal of Climate, 2021, , 1-51.	3.2	7
386	CMIP6 Intermodel Spread in Interhemispheric Asymmetry of Tropical Climate Response to Greenhouse Warming: Extratropical Ocean Effects. Journal of Climate, 2022, , 1-49.	3.2	7
387	Buoyancy Forcing Dominates the Cross-Equatorial Ocean Heat Transport Response to Northern Hemisphere Extratropical Cooling. Journal of Climate, 2022, 35, 3071-3090.	3.2	7
388	Response of mode water and Subtropical Countercurrent to greenhouse gas and aerosol forcing in the North Pacific. Journal of Ocean University of China, 2013, 12, 222-229.	1.2	6
389	A Transbasin Mode of Interannual Variability of the Central American Gap Winds: Seasonality and Large-Scale Forcing. Journal of Climate, 2017, 30, 8223-8235.	3.2	6
390	Asian monsoon climate change - Understanding and prediction. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 179-180.	2.3	6
391	Interannual variability of the North Pacific Subtropical Countercurrent: role of local ocean–atmosphere interaction. , 2011, , 121-134.		6
392	Influence of Midlatitude Winds on the Stratification of the Equatorial Thermocline*. Journal of Physical Oceanography, 2006, 36, 222-237.	1.7	5
393	SST-Forced and Internal Variability of the Atmosphere in an Ensemble GCM Simulation. Journal of the Meteorological Society of Japan, 2010, 88, 43-62.	1.8	5
394	Interannual variations in low potential vorticity water and the subtropical countercurrent in an eddy-resolving OGCM. , 2011, , 109-120.		5
395	New developments in mode-water research: an introduction. Journal of Oceanography, 2012, 68, 1-3.	1.7	5
396	Correspondence: Reply to: â€~Correspondence: Variations in ocean heat uptake during the surface warming hiatus'. Nature Communications, 2016, 7, 12542.	12.8	5

#	Article	IF	CITATIONS
397	Changes in mixed layer depth and spring bloom in the Kuroshio extension under global warming. Advances in Atmospheric Sciences, 2016, 33, 452-461.	4.3	5
398	Intermodel Spread around the Kuroshio–Oyashio Extension Region in Coupled GCMs Caused by Meridional Variation of the Westerly Jet from Atmospheric GCMs. Journal of Climate, 2017, 30, 4589-4599.	3.2	5
399	Climatology and decadal variations in multicore structure of the <scp>N</scp> orth <scp>P</scp> acific subtropical mode water. Journal of Geophysical Research: Oceans, 2017, 122, 7506-7520.	2.6	5
400	Effects of Anticyclonic Eddies on the Multicore Structure of the North Pacific Subtropical Mode Water Based on Argo Observations. Journal of Geophysical Research: Oceans, 2019, 124, 8400-8413.	2.6	5
401	North Atlantic Oscillation Effect on Interannual Variability in Winter Precipitation over the Gulf Stream. Journal of Climate, 2020, 33, 6633-6649.	3.2	5
402	Cross-Basin Interactions between the Tropical Atlantic and Pacific in the ECMWF Hindcasts. Journal of Climate, 2021, 34, 2459-2472.	3.2	5
403	Air-Sea Latent Heat Flux Anomalies Induced by Oceanic Submesoscale Processes: An Observational Case Study. Frontiers in Marine Science, 2022, 9, .	2.5	5
404	On Preferred Zonal Scale of Wave-CISK with Conditional Heating. Journal of the Meteorological Society of Japan, 1994, 72, 19-30.	1.8	4
405	Stability of equatorially symmetric and asymmetric climates under annual solar forcing. Quarterly Journal of the Royal Meteorological Society, 1997, 123, 1359-1375.	2.7	4
406	Interannual Variations of Wind Regimes off the Subtropical Western Australia Coast during Austral Winter and Spring. Journal of Climate, 2012, 25, 5587-5599.	3.2	4
407	Indian Ocean Dipole response to global warming: A multi-member study with CCSM4. Journal of Ocean University of China, 2013, 12, 209-215.	1.2	4
408	Systematic Scatterometer Wind Errors Near Coastal Mountains. Earth and Space Science, 2019, 6, 1900-1914.	2.6	4
409	Drivers of the Indian summer monsoon climate variability. , 2021, , 1-28.		4
410	Trans-basin influence of southwest tropical Indian Ocean warming during early boreal summer. Journal of Climate, 2021, , 1-46.	3.2	4
411	A Peculiar Feature of the Seasonal Migration of the South American Rain Band. Journal of the Meteorological Society of Japan, 2010, 88, 79-90.	1.8	3
412	Impacts of Interhemispheric Asymmetric Thermal Forcing on Tropical Pacific Climate: Surface Air–Sea Coupling and Subduction. Journal of Climate, 2013, 26, 575-582.	3.2	3
413	Changes in the North Pacific subtropical gyre under 1.5°C low warming scenario. Climate Dynamics, 2020, 55, 3117-3131.	3.8	3
414	Direct and Indirect Effects—An Information Theoretic Perspective. Entropy, 2020, 22, 854.	2.2	3

#	Article	IF	CITATIONS
415	Rapid changes in northeastern tropical Pacific Ocean surface salinity due to trans-basin moisture transport in recent decades. Climate Dynamics, 2021, 56, 2245-2257.	3.8	3
416	Subantarctic Mode Water and its long-term change in CMIP6 models. Journal of Climate, 2021, , 1-51.	3.2	3
417	Observations of a Heavy Rainfall Event in Shanghai on 5 August 2001. Journal of the Meteorological Society of Japan, 2004, 82, 1793-1803.	1.8	2
418	Effects of the Hawaiian Islands on the vertical structure of lowâ€level clouds from CALIPSO lidar. Journal of Geophysical Research D: Atmospheres, 2015, 120, 215-228.	3.3	2
419	Role of ocean dynamics in equatorial Pacific decadal variability. Climate Dynamics, 2022, 59, 2517-2529.	3.8	2
420	Orographic effects on South China Sea summer climate. Proceedings of SPIE, 2007, 6685, 86.	0.8	1
421	Interannual variability and predictability of summer climate over the Northwest Pacific and East Asia. , 0, , 333-342.		1
422	Transition from Fog to Stratus over the Northwest Pacific Ocean: Large-eddy Simulation. Monthly Weather Review, 2021, , .	1.4	1
423	Challenges and opportunities for improved understanding of regional climate dynamics. , 0, .		1
424	Summary for Policymakers. , 2014, , 45-64.		1
425	Covariability of Subantarctic Mode Water and the Southern Branch of the Subtropical Indian Ocean Countercurrent in Argo Observations. Journal of Ocean University of China, 2021, 20, 1316-1324.	1.2	1
426	How Does Sea Surface Temperature Drive the Intertropical Convergence Zone in the Southern Indian Ocean?. Journal of Climate, 2022, 35, 5415-5432.	3.2	1
427	Technical Summary. , 0, , 27-158.		0
428	Japanese Team Measures Tropical Instability Effects. Physics Today, 2000, 53, 11-11.	0.3	0
429	Preface to the special issue "Unified perspective of climate variability and change― Advances in Atmospheric Sciences, 2016, 33, 409-410.	4.3	0
430	Stability of equatorially symmetric and asymmetric climates under annual solar forcing. Quarterly Journal of the Royal Meteorological Society, 1997, 123, 1359-1375.	2.7	0