S-P Xie

List of Publications by Year
in descending order

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429 papers	40,099 citations	1888 102 h-index	3822 178 g-index
435 all docs	435 docs citations	435 times ranked	16963 citing authors

#	Article	IF	Citations
1	Indian Ocean Capacitor Effect on Indoâ€“Western Pacific Climate during the Summer following El NiÃ±o. Journal of Climate, 2009, 22, 730-747.	1.2	1,528
2	Recent global-warming hiatus tied to equatorial Pacific surface cooling. Nature, 2013, 501, 403-407.	13.7	1,436
3	Indian Ocean circulation and climate variability. Reviews of Geophysics, 2009, 47, .	9.0	1,048
4	Global Warming Pattern Formation: Sea Surface Temperature and Rainfall*. Journal of Climate, 2010, 23, 966-986.	1.2	915
5	Sea Surface Temperature Variability: Patterns and Mechanisms. Annual Review of Marine Science, 2010, 2, 115-143.	5.1	788
6	Structure and Mechanisms of South Indian Ocean Climate Variability*. Journal of Climate, 2002, 15, 864-878.	1.2	691
7	Influence of the Gulf Stream on the troposphere. Nature, 2008, 452, 206-209.	13.7	635
8	Impact of the Indian Ocean SST basin mode on the Asian summer monsoon. Geophysical Research Letters, 2007, 34, .	1.5	628
9	Airâ€“sea interaction over ocean fronts and eddies. Dynamics of Atmospheres and Oceans, 2008, 45, 274-319.	0.7	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.	1.9	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.	0.8	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.	1.2	431
15	Role of Airâ€“Sea Interaction in the Long Persistence of El NiÃ±oâ€“Induced North Indian Ocean Warming*. Journal of Climate, 2009, 22, 2023-2038.	1.2	430
16	Large-Scale Dynamics of the Meiyu-Baiu Rainband: Environmental Forcing by the Westerly Jet*. Journal of Climate, 2010, 23, 113-134.	1.2	424
17	Pantropical climate interactions. Science, 2019, 363, .	6.0	419
18	Satellite Observations of Cool Oceanâ€“Atmosphere Interaction. Bulletin of the American Meteorological Society, 2004, 85, 195-208.	1.7	379

#	Article	IF	Citations
19	Decadal modulation of global surface temperature by internal climate variability. Nature Climate Change, 2015, 5, 555-559.	8.1	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.	0.8	349
21	Making sense of the early-2000s warming slowdown. Nature Climate Change, 2016, 6, 224-228.	8.1	333
22	Atlantic-induced pan-tropical climate change over the past three decades. Nature Climate Change, 2016, 6, 275-279.	8.1	330
23	El NiÃ±o modulations over the past seven centuries. Nature Climate Change, 2013, 3, 822-826.	8.1	328
24	La NiÃ±a forces unprecedented Leeuwin Current warming in 2011. Scientific Reports, 2013, 3, 1277.	1.6	326
25	Coupled Ocean-Atmosphere Interaction at Oceanic Mesoscales. Oceanography, 2010, 23, 52-69.	0.5	322
26	Impact of Indian Ocean Sea Surface Temperature on Developing El NiÃ±o*. Journal of Climate, 2005, 18, 302-319.	1.2	302
27	Intensification of landfalling typhoons over the northwest Pacific since the late 1970s. Nature Geoscience, 2016, 9, 753-757.	5.4	301
28	Patterns of the seasonal response of tropical rainfall to global warming. Nature Geoscience, 2013, 6, 357-361.	5.4	300
29	Changes in the sea surface temperature threshold for tropical convection. Nature Geoscience, 2010, 3, 842-845.	5.4	294
30	Interdecadal modulation of El NiÃ±o amplitude during the past millennium. Nature Climate Change, 2011, 1, 114-118.	8.1	287
31	Role of Narrow Mountains in Large-Scale Organization of Asian Monsoon Convection*. Journal of Climate, 2006, 19, 3420-3429.	1.2	282
32	The Influence of a Weakening of the Atlantic Meridional Overturning Circulation on ENSO. Journal of Climate, 2007, 20, 4899-4919.	1.2	282
33	Slowdown of the Walker circulation driven by tropical Indo-Pacific warming. Nature, 2012, 491, 439-443.	13.7	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.	0.6	262
35	Tropical Indian Ocean Influence on Northwest Pacific Tropical Cyclones in Summer following Strong El NiÃ±o*. Journal of Climate, 2011, 24, 315-322.	1.2	259
36	Origin of seasonal predictability for summer climate over the Northwestern Pacific. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7574-7579.	3.3	253

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37	Towards predictive understanding of regional climate change. Nature Climate Change, 2015, 5, 921-930.	8.1	253
38	On the origin of equatorial Atlantic biases in coupled general circulation models. Climate Dynamics, 2008, 31, 587-598.	1.7	249
39	Decadal Variability of the Kuroshio Extension: Observations and an Eddy-Resolving Model Hindcast*. Journal of Climate, 2007, 20, 2357-2377.	1.2	243
40	Decadal Shift in El NiÃ±o Influences on Indoâ€“Western Pacific and East Asian Climate in the 1970s*. Journal of Climate, 2010, 23, 3352-3368.	1.2	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.	1.2	237
42	North American Climate in CMIP5 Experiments: Part III: Assessment of Twenty-First-Century Projections*. Journal of Climate, 2014, 27, 2230-2270.	1.2	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, .	1.5	230
44	Role of atmospheric adjustments in the tropical Indian Ocean warming during the 20th century in climate models. Geophysical Research Letters, 2008, 35, .	1.5	227
45	Far-Reaching Effects of the Hawaiian Islands on the Pacific Ocean-Atmosphere System. Science, 2001, 292, 2057-2060.	6.0	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.	1.5	216
48	Polar amplification dominated by local forcing and feedbacks. Nature Climate Change, 2018, 8, 1076-1081.	8.1	216
49	Southwest Indian Ocean SST Variability: Its Local Effect and Remote Influence on Asian Monsoons*. Journal of Climate, 2005, 18, 4150-4167.	1.2	212
50	Climate Fluctuations of Tropical Coupled Systemsâ€”The Role of Ocean Dynamics. Journal of Climate, 2006, 19, 5122-5174.	1.2	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.	4.7	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, .	3.3	194
54	A Dynamic Oceanâ€“Atmosphere Model of the Tropical Atlantic Decadal Variability. Journal of Climate, 1999, 12, 64-70.	1.2	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.	1.2	190
56	Influences of the Kuroshio/Oyashio Extensions on Airâ€“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.	1.2	174
57	Equatorial Atlantic variability and its relation to mean state biases in CMIP5. Climate Dynamics, 2014, 42, 171-188.	1.7	174
58	Interaction of the Atlantic Equatorial Cold Tongue and the African Monsoon*. Journal of Climate, 2004, 17, 3589-3602.	1.2	170
59	The tropical Pacific as a key pacemaker of the variable rates of global warming. Nature Geoscience, 2016, 9, 669-673.	5.4	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.	1.2	167
62	The Tropical Eastern Pacific Seasonal Cycle: Assessment of Errors and Mechanisms in IPCC AR4 Coupled Oceanâ€“Atmosphere General Circulation Models*. Journal of Climate, 2008, 21, 2573-2590.	1.2	165
63	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. Nature Communications, 2018, 9, 1724.	5.8	165
64	Interdecadal Thermocline Variability in the North Pacific for 1958â€“97: A GCM Simulation*. Journal of Physical Oceanography, 2000, 30, 2798-2813.	0.7	161
65	Dynamics of Interannual Variability in Summer Precipitation over East Asia*. Journal of Climate, 2011, 24, 5435-5453.	1.2	161
66	Mechanisms for Tropical Tropospheric Circulation Change in Response to Global Warming*. Journal of Climate, 2012, 25, 2979-2994.	1.2	160
67	Atmospheric manifestation of tropical instability wave observed by QuikSCAT and tropical rain measuring mission. Geophysical Research Letters, 2000, 27, 2545-2548.	1.5	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.	1.2	157
69	Northwestern Pacific typhoon intensity controlled by changes in ocean temperatures. Science Advances, 2015, 1, e1500014.	4.7	157
70	Contribution of the Interdecadal Pacific Oscillation to twentieth-century global surfaceÂtemperatureÂtrends. Nature Climate Change, 2016, 6, 1005-1008.	8.1	156
71	Atmospheric Response to the Gulf Stream: Seasonal Variations*. Journal of Climate, 2010, 23, 3699-3719.	1.2	155
72	Tropical Atlantic air-sea interaction and its influence on the NAO. Geophysical Research Letters, 2001, 28, 1507-1510.	1.5	153

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73	Airâ€“Sea Interaction over the Eastern Pacific Warm Pool: Gap Winds, Thermocline Dome, and Atmospheric Convection*. Journal of Climate, 2005, 18, 5-20.	1.2	150
74	Deep South China Sea circulation. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	150
75	Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. Journal of Climate, 2012, 25, 7574-7589.	1.2	150
76	Tropical Indian Ocean Variability in the IPCC Twentieth-Century Climate Simulations*. Journal of Climate, 2006, 19, 4397-4417.	1.2	149
77	A pan-Atlantic decadal climate oscillation. Geophysical Research Letters, 1998, 25, 2185-2188.	1.5	148
78	On the connection between Benguela and equatorial Atlantic NiÃ±os 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, .	1.5	146
80	Similar spatial patterns of climate responses to aerosol and greenhouse gas changes. Nature Geoscience, 2013, 6, 828-832.	5.4	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.	1.2	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 Warmingâ€“Induced Changes in El NiÃ±o Teleconnections over the North Pacific and North America. Journal of Climate, 2014, 27, 9050-9064.	1.2	136
84	The global warming hiatus: Slowdown or redistribution?. Earth's Future, 2016, 4, 472-482.	2.4	134
85	Physical drivers of the summer 2019 North Pacific marine heatwave. Nature Communications, 2020, 11, 1903.	5.8	133
86	Skilful multi-year predictions of tropical trans-basin climate variability. Nature Communications, 2015, 6, 6869.	5.8	132
87	Mechanisms of change in ENSO-induced tropical Pacific rainfall variability in a warming climate. Nature Geoscience, 2015, 8, 922-926.	5.4	131
88	On the Genesis of the Equatorial Annual Cycle. Journal of Climate, 1994, 7, 2008-2013.	1.2	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.	1.2	124
90	Tracking ocean heat uptake during the surface warming hiatus. Nature Communications, 2016, 7, 10926.	5.8	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 Oceanâ€“Atmospheric Feedbacks in a Coupled Model*. Journal of Climate, 2010, 23, 1240-1253.	1.2	122
93	Wave- and Anemometer-Based Sea Surface Wind (WASWind) for Climate Change Analysis*. Journal of Climate, 2011, 24, 267-285.	1.2	122
94	Regional Patterns of Tropical Indo-Pacific Climate Change: Evidence of the Walker Circulation Weakening. Journal of Climate, 2012, 25, 1689-1710.	1.2	122
95	Intraseasonal variability of sea surface height in the Bay of Bengal. Journal of Geophysical Research: Oceans, 2013, 118, 816-830.	1.0	122
96	Indian Ocean Dipole Response to Global Warming in the CMIP5 Multimodel Ensemble*. Journal of Climate, 2013, 26, 6067-6080.	1.2	121
97	Some Overlooked Features of Tropical Atlantic Climate Leading to a New NiÃ±o-Like Phenomenon*. Journal of Climate, 2006, 19, 5859-5874.	1.2	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 Indoâ€“Western Pacific for 1870â€“2007. Journal of Climate, 2012, 25, 1722-1744.	1.2	115
100	Seasonality and Predictability of the Indian Ocean Dipole Mode: ENSO Forcing and Internal Variability. Journal of Climate, 2015, 28, 8021-8036.	1.2	114
101	Mapping High Sea Winds from Space: A Global Climatology. Bulletin of the American Meteorological Society, 2007, 88, 1965-1978.	1.7	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.	1.2	111
104	Tropical Atlantic biases and their relation to surface wind stress and terrestrial precipitation. Climate Dynamics, 2012, 38, 985-1001.	1.7	111
105	Climate impacts of a weakened Atlantic Meridional Overturning Circulation in a warming climate. Science Advances, 2020, 6, eaaz4876.	4.7	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.	1.7	110
107	Seasonal Variations of Yellow Sea Fog: Observations and Mechanisms*. Journal of Climate, 2009, 22, 6758-6772.	1.2	108
108	Coupled ocean-atmospheric waves on the equatorial front. Geophysical Research Letters, 1998, 25, 3863-3866.	1.5	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.	3.3	106
110	A Regional Oceanâ€“Atmosphere Model for Eastern Pacific Climate: Toward Reducing Tropical Biases*. Journal of Climate, 2007, 20, 1504-1522.	1.2	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.	1.2	102
112	Decadal variations in the subtropical cells and equatorial pacific SST. Geophysical Research Letters, 2002, 29, 20-1.	1.5	102
113	The Central American Midsummer Drought: Regional Aspects and Large-Scale Forcing*. Journal of Climate, 2007, 20, 4853-4873.	1.2	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.	1.2	102
116	Weakening of the equatorial Atlantic cold tongue over the past six decades. Nature Geoscience, 2011, 4, 222-226.	5.4	101
117	Global energetics and local physics as drivers of past, present and future monsoons. Nature Geoscience, 2018, 11, 392-400.	5.4	100
118	Westward Propagation of Latitudinal Asymmetry in a Coupled Oceanâ€“Atmosphere Model. Journals of the Atmospheric Sciences, 1996, 53, 3236-3250.	0.6	97
119	Predictability of Northwest Pacific climate during summer and the role of the tropical Indian Ocean. Climate Dynamics, 2011, 36, 607-621.	1.7	97
120	Numerical Simulation of Atmospheric Response to Pacific Tropical Instability Waves*. Journal of Climate, 2003, 16, 3723-3741.	1.2	94
121	Decadal increase in NingalooNiÃ±osince the late 1990s. Geophysical Research Letters, 2015, 42, 104-112.	1.5	94
122	Oceanâ€“Atmosphere Covariability in the Western Arabian Sea*. Journal of Climate, 2004, 17, 1213-1224.	1.2	93
123	SST-Induced Surface Wind Variations over the Brazilâ€“Malvinas Confluence: Satellite and In Situ Observations*. Journal of Climate, 2005, 18, 3470-3482.	1.2	92
124	Western Pacific emergent constraint lowers projected increase in Indian summer monsoonÂrainfall. Nature Climate Change, 2017, 7, 708-712.	8.1	92
125	Corals record long-term Leeuwin current variability including Ningaloo NiÃ±o/NiÃ±a since 1795. Nature Communications, 2014, 5, 3607.	5.8	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.	1.2	86
128	Initialized Earth System prediction from subseasonal to decadal timescales. Nature Reviews Earth & Environment, 2021, 2, 340-357.	12.2	85
129	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	12.2	85
130	Observing mesoscale eddy effects on mode-water subduction and transport in the North Pacific. Nature Communications, 2016, 7, 10505.	5.8	82
131	Precipitation Response to the Gulf Stream in an Atmospheric GCM*. Journal of Climate, 2010, 23, 3676-3698.	1.2	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.	0.5	80
133	Atmospheric Rivers over the Northwestern Pacific: Climatology and Interannual Variability. Journal of Climate, 2017, 30, 5605-5619.	1.2	80
134	Global Teleconnections in Response to a Shutdown of the Atlantic Meridional Overturning Circulation*. Journal of Climate, 2008, 21, 3002-3019.	1.2	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.	1.7	78
137	Seasonal Effects of Indian Ocean Freshwater Forcing in a Regional Coupled Model*. Journal of Climate, 2009, 22, 6577-6596.	1.2	77
138	A 117â€year long index of the Pacificâ€Japan pattern with application to interdecadal variability. International Journal of Climatology, 2016, 36, 1575-1589.	1.5	77
139	Atmospheric sounding over the winter Kuroshio Extension: Effect of surface stability on atmospheric boundary layer structure. Geophysical Research Letters, 2006, 33, .	1.5	76
140	Analysis and high-resolution modeling of a dense sea fog event over the Yellow Sea. Atmospheric Research, 2006, 81, 293-303.	1.8	76
141	Intermodel Uncertainty in ENSO Amplitude Change Tied to Pacific Ocean Warming Pattern. Journal of Climate, 2016, 29, 7265-7279.	1.2	76
142	Atlantic and Pacific tropics connected by mutually interactive decadal-timescale processes. Nature Geoscience, 2021, 14, 36-42.	5.4	76
143	Interdecadal Amplitude Modulation of El NiÃ±oâ€“Southern Oscillation and Its Impact on Tropical Pacific Decadal Variability*. Journal of Climate, 2013, 26, 7280-7297.	1.2	75
144	Tropical Cycloneâ€“Induced Ocean Response: A Comparative Study of the South China Sea and Tropical Northwest Pacific*,+. Journal of Climate, 2015, 28, 5952-5968.	1.2	75

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145	Westward propagation of barrier layer formation in the 2006â€“07 Rossby wave event over the tropical southwest Indian Ocean. Geophysical Research Letters, 2009, 36, .	1.5	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.	0.7	73
147	Distinct energy budgets for anthropogenic and natural changes during global warming hiatus. Nature Geoscience, 2016, 9, 29-33.	5.4	73
148	Evolving Relative Importance of the Southern Ocean and North Atlantic in Anthropogenic Ocean Heat Uptake. Journal of Climate, 2018, 31, 7459-7479.	1.2	72
149	Subduction of the North Pacific Mode Waters in a Global High-Resolution GCM*. Journal of Physical Oceanography, 2002, 32, 746-763.	0.7	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 Airâ€“Sea Disturbances with Application to the Annual Cycle of the Eastern Tropical Pacific. Journals of the Atmospheric Sciences, 1994, 51, 3807-3822.	0.6	69
152	Deep Atmospheric Response to the North Pacific Oceanic Subtropical Front in Spring. Journal of Climate, 2008, 21, 5960-5975.	1.2	69
153	WES feedback and the Atlantic Meridional Mode: observations and CMIP5 comparisons. Climate Dynamics, 2017, 49, 1665-1679.	1.7	69
154	Comparison of Climate Response to Anthropogenic Aerosol versus Greenhouse Gas Forcing: Distinct Patterns. Journal of Climate, 2016, 29, 5175-5188.	1.2	68
155	What Caused the Global Surface Warming Hiatus of 1998â€“2013?. Current Climate Change Reports, 2017, 3, 128-140.	2.8	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.	1.2	66
157	Extratropical forcing and tropical rainfall distribution: energetics framework and ocean Ekman advection. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	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.	1.2	64
159	Interdecadal Variations in ENSO Influences on Northwest Pacificâ€“East Asian Early Summertime Climate Simulated in CMIP5 Models. Journal of Climate, 2014, 27, 5982-5998.	1.2	64
160	Satellite observations of intense intraseasonal cooling events in the tropical south Indian Ocean. Geophysical Research Letters, 2006, 33, .	1.5	63
161	Atmospheric Effects of the Kuroshio Large Meander during 2004â€“05*. Journal of Climate, 2010, 23, 4704-4715.	1.2	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.	0.7	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.	1.2	62
164	Connecting tropical climate change with Southern Ocean heat uptake. Geophysical Research Letters, 2017, 44, 9449-9457.	1.5	61
165	Mesoscale eddy effects on the subduction of North Pacific mode waters. Journal of Geophysical Research: Oceans, 2014, 119, 4867-4886.	1.0	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.	1.2	60
167	Intensification of El NiÃ±o-induced atmospheric anomalies under greenhouse warming. Nature Geoscience, 2021, 14, 377-382.	5.4	60
168	Influences of Atlantic Climate Change on the Tropical Pacific via the Central American Isthmus*. Journal of Climate, 2008, 21, 3914-3928.	1.2	59
169	Indian Ocean Variability in the CMIP5 Multimodel Ensemble: The Basin Mode. Journal of Climate, 2013, 26, 7240-7266.	1.2	58
170	Effects of the Andes on Eastern Pacific Climate: A Regional Atmospheric Model Study*. Journal of Climate, 2004, 17, 589-602.	1.2	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.	1.2	57
172	Response of the Indian Ocean Basin Mode and Its Capacitor Effect to Global Warming*. Journal of Climate, 2011, 24, 6146-6164.	1.2	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.	1.5	57
174	Decadal variability of the Kuroshio Extension: mesoscale eddies and recirculations. Ocean Dynamics, 2010, 60, 673-691.	0.9	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.	0.7	56
176	Challenges and opportunities for improved understanding of regional climate dynamics. Nature Climate Change, 2018, 8, 101-108.	8.1	56
177	Observations of Marine Atmospheric Boundary Layer Transitions across the Summer Kuroshio Extension*. Journal of Climate, 2009, 22, 1360-1374.	1.2	55
178	Interannual-to-decadal variability and trends of sea level in the South China Sea. Climate Dynamics, 2016, 46, 3113-3126.	1.7	54
179	Orographically Anchored El NiÃ±o Effect on Summer Rainfall in Central China. Journal of Climate, 2017, 30, 10037-10045.	1.2	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.	1.2	53
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