

# S-P Xie

## List of Publications by Year in descending order

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429  
papers

40,099  
citations

1883

102  
h-index

3815

178  
g-index

435  
all docs

435  
docs citations

435  
times ranked

16963  
citing authors

#	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.	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	Air-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 Air-Sea Interaction in the Long Persistence of El Niño-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 Ocean-Atmosphere Interaction. Bulletin of the American Meteorological Society, 2004, 85, 195-208.	1.7	379

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19	Decadal modulation of global surface temperature by internal climate variability. <i>Nature Climate Change</i> , 2015, 5, 555-559.	8.1	368
20	A coupled ocean-atmosphere model of relevance to the ITCZ in the eastern Pacific. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1994, 46, 340-350.	0.8	349
21	Making sense of the early-2000s warming slowdown. <i>Nature Climate Change</i> , 2016, 6, 224-228.	8.1	333
22	Atlantic-induced pan-tropical climate change over the past three decades. <i>Nature Climate Change</i> , 2016, 6, 275-279.	8.1	330
23	El Niño modulations over the past seven centuries. <i>Nature Climate Change</i> , 2013, 3, 822-826.	8.1	328
24	La Niña forces unprecedented Leeuwin Current warming in 2011. <i>Scientific Reports</i> , 2013, 3, 1277.	1.6	326
25	Coupled Ocean-Atmosphere Interaction at Oceanic Mesoscales. <i>Oceanography</i> , 2010, 23, 52-69.	0.5	322
26	Impact of Indian Ocean Sea Surface Temperature on Developing El Niño*. <i>Journal of Climate</i> , 2005, 18, 302-319.	1.2	302
27	Intensification of landfalling typhoons over the northwest Pacific since the late 1970s. <i>Nature Geoscience</i> , 2016, 9, 753-757.	5.4	301
28	Patterns of the seasonal response of tropical rainfall to global warming. <i>Nature Geoscience</i> , 2013, 6, 357-361.	5.4	300
29	Changes in the sea surface temperature threshold for tropical convection. <i>Nature Geoscience</i> , 2010, 3, 842-845.	5.4	294
30	Interdecadal modulation of El Niño amplitude during the past millennium. <i>Nature Climate Change</i> , 2011, 1, 114-118.	8.1	287
31	Role of Narrow Mountains in Large-Scale Organization of Asian Monsoon Convection*. <i>Journal of Climate</i> , 2006, 19, 3420-3429.	1.2	282
32	The Influence of a Weakening of the Atlantic Meridional Overturning Circulation on ENSO. <i>Journal of Climate</i> , 2007, 20, 4899-4919.	1.2	282
33	Slowdown of the Walker circulation driven by tropical Indo-Pacific warming. <i>Nature</i> , 2012, 491, 439-443.	13.7	281
34	Coupled dynamics over the Indian Ocean: spring initiation of the Zonal Mode. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 2305-2330.	0.6	262
35	Tropical Indian Ocean Influence on Northwest Pacific Tropical Cyclones in Summer following Strong El Niño*. <i>Journal of Climate</i> , 2011, 24, 315-322.	1.2	259
36	Origin of seasonal predictability for summer climate over the Northwestern Pacific. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7574-7579.	3.3	253

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37	Towards predictive understanding of regional climate change. <i>Nature Climate Change</i> , 2015, 5, 921-930.	8.1	253
38	On the origin of equatorial Atlantic biases in coupled general circulation models. <i>Climate Dynamics</i> , 2008, 31, 587-598.	1.7	249
39	Decadal Variability of the Kuroshio Extension: Observations and an Eddy-Resolving Model Hindcast*. <i>Journal of Climate</i> , 2007, 20, 2357-2377.	1.2	243
40	Decadal Shift in El Niño Influences on Indo-Western Pacific and East Asian Climate in the 1970s*. <i>Journal of Climate</i> , 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*. <i>Journal of Climate</i> , 2003, 16, 1404-1413.	1.2	237
42	North American Climate in CMIP5 Experiments: Part III: Assessment of Twenty-First-Century Projections*. <i>Journal of Climate</i> , 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. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	230
44	Role of atmospheric adjustments in the tropical Indian Ocean warming during the 20th century in climate models. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	227
45	Far-Reaching Effects of the Hawaiian Islands on the Pacific Ocean-Atmosphere System. <i>Science</i> , 2001, 292, 2057-2060.	6.0	225
46	Tropical Atlantic Variability: Patterns, Mechanisms, and Impacts. <i>Geophysical Monograph Series</i> , 0, , 121-142.	0.1	219
47	Bathymetric effect on the winter sea surface temperature and climate of the Yellow and East China Seas. <i>Geophysical Research Letters</i> , 2002, 29, 81-1-81-4.	1.5	216
48	Polar amplification dominated by local forcing and feedbacks. <i>Nature Climate Change</i> , 2018, 8, 1076-1081.	8.1	216
49	Southwest Indian Ocean SST Variability: Its Local Effect and Remote Influence on Asian Monsoons*. <i>Journal of Climate</i> , 2005, 18, 4150-4167.	1.2	212
50	Climate Fluctuations of Tropical Coupled Systems—The Role of Ocean Dynamics. <i>Journal of Climate</i> , 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. <i>Science Advances</i> , 2017, 3, e1601666.	4.7	199
53	Historic Yangtze flooding of 2020 tied to extreme Indian Ocean conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	194
54	A Dynamic Ocean—Atmosphere Model of the Tropical Atlantic Decadal Variability. <i>Journal of Climate</i> , 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*. <i>Journal of Climate</i> , 2013, 26, 2482-2501.	1.2	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*. <i>Journal of Climate</i> , 2009, 22, 6536-6560.	1.2	174
57	Equatorial Atlantic variability and its relation to mean state biases in CMIP5. <i>Climate Dynamics</i> , 2014, 42, 171-188.	1.7	174
58	Interaction of the Atlantic Equatorial Cold Tongue and the African Monsoon*. <i>Journal of Climate</i> , 2004, 17, 3589-3602.	1.2	170
59	The tropical Pacific as a key pacemaker of the variable rates of global warming. <i>Nature Geoscience</i> , 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. <i>Journal of Geophysical Research</i> , 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*. <i>Journal of Climate</i> , 2009, 22, 4241-4260.	1.2	167
62	The Tropical Eastern Pacific Seasonal Cycle: Assessment of Errors and Mechanisms in IPCC AR4 Coupled Ocean-Atmosphere General Circulation Models*. <i>Journal of Climate</i> , 2008, 21, 2573-2590.	1.2	165
63	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. <i>Nature Communications</i> , 2018, 9, 1724.	5.8	165
64	Interdecadal Thermocline Variability in the North Pacific for 1958-97: A GCM Simulation*. <i>Journal of Physical Oceanography</i> , 2000, 30, 2798-2813.	0.7	161
65	Dynamics of Interannual Variability in Summer Precipitation over East Asia*. <i>Journal of Climate</i> , 2011, 24, 5435-5453.	1.2	161
66	Mechanisms for Tropical Tropospheric Circulation Change in Response to Global Warming*. <i>Journal of Climate</i> , 2012, 25, 2979-2994.	1.2	160
67	Atmospheric manifestation of tropical instability wave observed by QuikSCAT and tropical rain measuring mission. <i>Geophysical Research Letters</i> , 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*. <i>Journal of Climate</i> , 2010, 23, 5294-5304.	1.2	157
69	Northwestern Pacific typhoon intensity controlled by changes in ocean temperatures. <i>Science Advances</i> , 2015, 1, e1500014.	4.7	157
70	Contribution of the Interdecadal Pacific Oscillation to twentieth-century global surface temperature trends. <i>Nature Climate Change</i> , 2016, 6, 1005-1008.	8.1	156
71	Atmospheric Response to the Gulf Stream: Seasonal Variations*. <i>Journal of Climate</i> , 2010, 23, 3699-3719.	1.2	155
72	Tropical Atlantic air-sea interaction and its influence on the NAO. <i>Geophysical Research Letters</i> , 2001, 28, 1507-1510.	1.5	153

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73	Air–Sea Interaction over the Eastern Pacific Warm Pool: Gap Winds, Thermocline Dome, and Atmospheric Convection*. <i>Journal of Climate</i> , 2005, 18, 5-20.	1.2	150
74	Deep South China Sea circulation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	150
75	Limitations of Seasonal Predictability for Summer Climate over East Asia and the Northwestern Pacific. <i>Journal of Climate</i> , 2012, 25, 7574-7589.	1.2	150
76	Tropical Indian Ocean Variability in the IPCC Twentieth-Century Climate Simulations*. <i>Journal of Climate</i> , 2006, 19, 4397-4417.	1.2	149
77	A pan-Atlantic decadal climate oscillation. <i>Geophysical Research Letters</i> , 1998, 25, 2185-2188.	1.5	148
78	On the connection between Benguela and equatorial Atlantic Niños and the role of the South Atlantic Anticyclone. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	147
79	Origins of tropical-wide SST biases in CMIP multi-model ensembles. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	146
80	Similar spatial patterns of climate responses to aerosol and greenhouse gas changes. <i>Nature Geoscience</i> , 2013, 6, 828-832.	5.4	145
81	North Pacific Climate Response to Freshwater Forcing in the Subarctic North Atlantic: Oceanic and Atmospheric Pathways. <i>Journal of Climate</i> , 2009, 22, 1424-1445.	1.2	140
82	Local and remote atmospheric response to tropical instability waves: A global view from space. <i>Journal of Geophysical Research</i> , 2001, 106, 10173-10185.	3.3	136
83	Global Warming–Induced Changes in El Niño Teleconnections over the North Pacific and North America. <i>Journal of Climate</i> , 2014, 27, 9050-9064.	1.2	136
84	The global warming hiatus: Slowdown or redistribution?. <i>Earth's Future</i> , 2016, 4, 472-482.	2.4	134
85	Physical drivers of the summer 2019 North Pacific marine heatwave. <i>Nature Communications</i> , 2020, 11, 1903.	5.8	133
86	Skilful multi-year predictions of tropical trans-basin climate variability. <i>Nature Communications</i> , 2015, 6, 6869.	5.8	132
87	Mechanisms of change in ENSO-induced tropical Pacific rainfall variability in a warming climate. <i>Nature Geoscience</i> , 2015, 8, 922-926.	5.4	131
88	On the Genesis of the Equatorial Annual Cycle. <i>Journal of Climate</i> , 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. <i>Journal of Climate</i> , 2013, 26, 9247-9290.	1.2	124
90	Tracking ocean heat uptake during the surface warming hiatus. <i>Nature Communications</i> , 2016, 7, 10926.	5.8	124

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91	Muted precipitation increase in global warming simulations: A surface evaporation perspective. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	122
92	Indian Ocean Dipole Response to Global Warming: Analysis of Ocean–Atmospheric Feedbacks in a Coupled Model*. <i>Journal of Climate</i> , 2010, 23, 1240-1253.	1.2	122
93	Wave- and Anemometer-Based Sea Surface Wind (WASWind) for Climate Change Analysis*. <i>Journal of Climate</i> , 2011, 24, 267-285.	1.2	122
94	Regional Patterns of Tropical Indo-Pacific Climate Change: Evidence of the Walker Circulation Weakening. <i>Journal of Climate</i> , 2012, 25, 1689-1710.	1.2	122
95	Intraseasonal variability of sea surface height in the Bay of Bengal. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 816-830.	1.0	122
96	Indian Ocean Dipole Response to Global Warming in the CMIP5 Multimodel Ensemble*. <i>Journal of Climate</i> , 2013, 26, 6067-6080.	1.2	121
97	Some Overlooked Features of Tropical Atlantic Climate Leading to a New Niño-Like Phenomenon*. <i>Journal of Climate</i> , 2006, 19, 5859-5874.	1.2	117
98	Intraseasonal variability in the summer South China Sea: Wind jet, cold filament, and recirculations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	117
99	Interdecadal Variations in ENSO Teleconnection to the Indo–Western Pacific for 1870–2007. <i>Journal of Climate</i> , 2012, 25, 1722-1744.	1.2	115
100	Seasonality and Predictability of the Indian Ocean Dipole Mode: ENSO Forcing and Internal Variability. <i>Journal of Climate</i> , 2015, 28, 8021-8036.	1.2	114
101	Mapping High Sea Winds from Space: A Global Climatology. <i>Bulletin of the American Meteorological Society</i> , 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. <i>Paleoceanography</i> , 2007, 22, .	3.0	113
103	The Effect of Orbital Forcing on the Mean Climate and Variability of the Tropical Pacific. <i>Journal of Climate</i> , 2007, 20, 4147-4159.	1.2	111
104	Tropical Atlantic biases and their relation to surface wind stress and terrestrial precipitation. <i>Climate Dynamics</i> , 2012, 38, 985-1001.	1.7	111
105	Climate impacts of a weakened Atlantic Meridional Overturning Circulation in a warming climate. <i>Science Advances</i> , 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. <i>Climate Dynamics</i> , 2016, 47, 3817-3831.	1.7	110
107	Seasonal Variations of Yellow Sea Fog: Observations and Mechanisms*. <i>Journal of Climate</i> , 2009, 22, 6758-6772.	1.2	108
108	Coupled ocean-atmospheric waves on the equatorial front. <i>Geophysical Research Letters</i> , 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 Ocean-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 Ocean-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 Ningaloo Ni±o since the late 1990s. Geophysical Research Letters, 2015, 42, 104-112.	1.5	94
122	Ocean-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 Brazil-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 monsoon rainfall. Nature Climate Change, 2017, 7, 708-712.	8.1	92
125	Corals record long-term Leeuwin current variability including Ningaloo Ni±o/Ni±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 117-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. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	74
146	Inter-hemispheric Decadal Variations in SST, Surface Wind, Heat Flux and Cloud Cover over the Atlantic Ocean.. <i>Journal of the Meteorological Society of Japan</i> , 2002, 80, 1199-1219.	0.7	73
147	Distinct energy budgets for anthropogenic and natural changes during global warming hiatus. <i>Nature Geoscience</i> , 2016, 9, 29-33.	5.4	73
148	Evolving Relative Importance of the Southern Ocean and North Atlantic in Anthropogenic Ocean Heat Uptake. <i>Journal of Climate</i> , 2018, 31, 7459-7479.	1.2	72
149	Subduction of the North Pacific Mode Waters in a Global High-Resolution GCM*. <i>Journal of Physical Oceanography</i> , 2002, 32, 746-763.	0.7	71
150	The Shape of Continents, Air-Sea Interaction, and the Rising Branch of the Hadley Circulation. <i>Advances in Global Change Research</i> , 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. <i>Journals of the Atmospheric Sciences</i> , 1994, 51, 3807-3822.	0.6	69
152	Deep Atmospheric Response to the North Pacific Oceanic Subtropical Front in Spring. <i>Journal of Climate</i> , 2008, 21, 5960-5975.	1.2	69
153	WES feedback and the Atlantic Meridional Mode: observations and CMIP5 comparisons. <i>Climate Dynamics</i> , 2017, 49, 1665-1679.	1.7	69
154	Comparison of Climate Response to Anthropogenic Aerosol versus Greenhouse Gas Forcing: Distinct Patterns. <i>Journal of Climate</i> , 2016, 29, 5175-5188.	1.2	68
155	What Caused the Global Surface Warming Hiatus of 1998â€“2013?. <i>Current Climate Change Reports</i> , 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. <i>Journal of Climate</i> , 2018, 31, 4727-4743.	1.2	66
157	Extratropical forcing and tropical rainfall distribution: energetics framework and ocean Ekman advection. <i>Npj Climate and Atmospheric Science</i> , 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*. <i>Journal of Climate</i> , 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. <i>Journal of Climate</i> , 2014, 27, 5982-5998.	1.2	64
160	Satellite observations of intense intraseasonal cooling events in the tropical south Indian Ocean. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	63
161	Atmospheric Effects of the Kuroshio Large Meander during 2004â€“05*. <i>Journal of Climate</i> , 2010, 23, 4704-4715.	1.2	63
162	Abrupt Onset and Slow Seasonal Evolution of Summer Monsoon in an Idealized GCM Simulation. <i>Journal of the Meteorological Society of Japan</i> , 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. <i>Journal of Climate</i> , 2014, 27, 285-299.	1.2	62
164	Connecting tropical climate change with Southern Ocean heat uptake. <i>Geophysical Research Letters</i> , 2017, 44, 9449-9457.	1.5	61
165	Mesoscale eddy effects on the subduction of North Pacific mode waters. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4867-4886.	1.0	60
166	A Robust but Spurious Pattern of Climate Change in Model Projections over the Tropical Indian Ocean. <i>Journal of Climate</i> , 2016, 29, 5589-5608.	1.2	60
167	Intensification of El Niño-induced atmospheric anomalies under greenhouse warming. <i>Nature Geoscience</i> , 2021, 14, 377-382.	5.4	60
168	Influences of Atlantic Climate Change on the Tropical Pacific via the Central American Isthmus*. <i>Journal of Climate</i> , 2008, 21, 3914-3928.	1.2	59
169	Indian Ocean Variability in the CMIP5 Multimodel Ensemble: The Basin Mode. <i>Journal of Climate</i> , 2013, 26, 7240-7266.	1.2	58
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