

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
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435
all docs

435
docs citations

435
times ranked

16963
citing authors

#	ARTICLE	IF	CITATIONS
1	A coupled ocean-atmosphere model of relevance to the ITCZ in the eastern Pacific. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 46, 340.	0.8	511
2	Effects of Tropical Sea Surface Temperature Variability on Northern Hemisphere Tropical Cyclone Genesis. <i>Journal of Climate</i> , 2022, 35, 4719-4739.	1.2	8
3	Probabilistic Predictions from Deterministic Atmospheric River Forecasts with Deep Learning. <i>Monthly Weather Review</i> , 2022, 150, 215-234.	0.5	9
4	Indo-Pacific Warming Induced by a Weakening of the Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2022, 35, 815-832.	1.2	12
5	Air-Sea Latent Heat Flux Anomalies Induced by Oceanic Submesoscale Processes: An Observational Case Study. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	5
6	Global Warming Pattern Formation: The Role of Ocean Heat Uptake. <i>Journal of Climate</i> , 2022, 35, 1885-1899.	1.2	10
7	Surface warmingâ€“induced global acceleration of upper ocean currents. <i>Science Advances</i> , 2022, 8, eabj8394.	4.7	36
8	CMIP6 Intermodel Spread in Interhemispheric Asymmetry of Tropical Climate Response to Greenhouse Warming: Extratropical Ocean Effects. <i>Journal of Climate</i> , 2022, , 1-49.	1.2	7
9	How Does Sea Surface Temperature Drive the Intertropical Convergence Zone in the Southern Indian Ocean?. <i>Journal of Climate</i> , 2022, 35, 5415-5432.	1.2	1
10	Role of ocean dynamics in equatorial Pacific decadal variability. <i>Climate Dynamics</i> , 2022, 59, 2517-2529.	1.7	2
11	Buoyancy Forcing Dominates the Cross-Equatorial Ocean Heat Transport Response to Northern Hemisphere Extratropical Cooling. <i>Journal of Climate</i> , 2022, 35, 3071-3090.	1.2	7
12	Varying contributions of fast and slow responses cause asymmetric tropical rainfall change between CO2 ramp-up and ramp-down. <i>Science Bulletin</i> , 2022, 67, 1702-1711.	4.3	9
13	Atlantic and Pacific tropics connected by mutually interactive decadal-timescale processes. <i>Nature Geoscience</i> , 2021, 14, 36-42.	5.4	76
14	Drivers of the Indian summer monsoon climate variability. , 2021, , 1-28.		4
15	Rapid changes in northeastern tropical Pacific Ocean surface salinity due to trans-basin moisture transport in recent decades. <i>Climate Dynamics</i> , 2021, 56, 2245-2257.	1.7	3
16	Fast and slow responses of the Subantarctic Mode Water in the South Indian Ocean to global warming in CMIP5 extended RCP4.5 simulations. <i>Climate Dynamics</i> , 2021, 56, 3157-3171.	1.7	8
17	Sea Surface Salinity Change since 1950: Internal Variability versus Anthropogenic Forcing. <i>Journal of Climate</i> , 2021, 34, 1305-1319.	1.2	11
18	Largeâ€“Scale Conditions for the Recordâ€“Setting Southern California Marine Heatwave of August 2018. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091803.	1.5	7

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19	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
20	Monthly Modulations of ENSO Teleconnections: Implications for Potential Predictability in North America. Journal of Climate, 2021, , 1-71.	1.2	9
21	Pacific Meridional Modes without Equatorial Pacific Influence. Journal of Climate, 2021, , 1-51.	1.2	7
22	Cross-Basin Interactions between the Tropical Atlantic and Pacific in the ECMWF Hindcasts. Journal of Climate, 2021, 34, 2459-2472.	1.2	5
23	Intensification of El Niño-induced atmospheric anomalies under greenhouse warming. Nature Geoscience, 2021, 14, 377-382.	5.4	60
24	Buoyancy and Wind Driven Changes in Subantarctic Mode Water During 2004–2019. Geophysical Research Letters, 2021, 48, e2021GL092511.	1.5	14
25	Initialized Earth System prediction from subseasonal to decadal timescales. Nature Reviews Earth & Environment, 2021, 2, 340-357.	12.2	85
26	Transition from Fog to Stratus over the Northwest Pacific Ocean: Large-eddy Simulation. Monthly Weather Review, 2021, , .	0.5	1
27	Zonal mean and shift modes of historical climate response to evolving aerosol distribution. Science Bulletin, 2021, 66, 2405-2411.	4.3	30
28	Greenhouse warming intensifies north tropical Atlantic climate variability. Science Advances, 2021, 7, .	4.7	26
29	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	12.2	85
30	A Common Base Mode of Asian Summer Monsoon Variability across Timescales. Journal of Climate, 2021, 34, 7359-7371.	1.2	9
31	Trans-basin influence of southwest tropical Indian Ocean warming during early boreal summer. Journal of Climate, 2021, , 1-46.	1.2	4
32	Subantarctic Mode Water and its long-term change in CMIP6 models. Journal of Climate, 2021, , 1-51.	1.2	3
33	Ocean warming and accelerating Southern Ocean zonal flow. Nature Climate Change, 2021, 11, 1090-1097.	8.1	39
34	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.	0.6	1
35	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.	1.9	16
36	Effects of Ocean Slow Response under Low Warming Targets. Journal of Climate, 2020, 33, 477-496.	1.2	16

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37	Dynamics of Southern Hemisphere Atmospheric Circulation Response to Anthropogenic Aerosol Forcing. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089919.	1.5	8
38	Climate impacts of a weakened Atlantic Meridional Overturning Circulation in a warming climate. <i>Science Advances</i> , 2020, 6, eaaz4876.	4.7	111
39	Changes in the North Pacific subtropical gyre under 1.5°C low warming scenario. <i>Climate Dynamics</i> , 2020, 55, 3117-3131.	1.7	3
40	Direct and Indirect Effects—An Information Theoretic Perspective. <i>Entropy</i> , 2020, 22, 854.	1.1	3
41	Walker circulation response to extratropical radiative forcing. <i>Science Advances</i> , 2020, 6, .	4.7	51
42	Untangling impacts of global warming and Interdecadal Pacific Oscillation on long-term variability of North Pacific tropical cyclone track density. <i>Science Advances</i> , 2020, 6, .	4.7	24
43	North Atlantic Oscillation Effect on Interannual Variability in Winter Precipitation over the Gulf Stream. <i>Journal of Climate</i> , 2020, 33, 6633-6649.	1.2	5
44	ENSO-Unrelated Variability in Indo—Northwest Pacific Climate: Regional Coupled Ocean—Atmospheric Feedback. <i>Journal of Climate</i> , 2020, 33, 4095-4108.	1.2	11
45	Atmospheric Internal Variability in the Summer Indo—Northwestern Pacific: Role of the Intraseasonal Oscillation. <i>Journal of Climate</i> , 2020, 33, 3395-3410.	1.2	11
46	Multidecadal modulations of key metrics of global climate change. <i>Global and Planetary Change</i> , 2020, 188, 103149.	1.6	18
47	Amplified Madden—Julian oscillation impacts in the Pacific—North America region. <i>Nature Climate Change</i> , 2020, 10, 654-660.	8.1	37
48	Physical drivers of the summer 2019 North Pacific marine heatwave. <i>Nature Communications</i> , 2020, 11, 1903.	5.8	133
49	Eastern Pacific Wind Effect on the Evolution of El Niño: Implications for ENSO Diversity. <i>Journal of Climate</i> , 2020, 33, 3197-3212.	1.2	21
50	Synchronized tropical Pacific and extratropical variability during the past three decades. <i>Nature Climate Change</i> , 2020, 10, 422-427.	8.1	8
51	Ocean Warming Pattern Effect On Global And Regional Climate Change. <i>AGU Advances</i> , 2020, 1, e2019AV000130.	2.3	32
52	Global Pattern Formation of Net Ocean Surface Heat Flux Response to Greenhouse Warming. <i>Journal of Climate</i> , 2020, 33, 7503-7522.	1.2	14
53	Effects of Buoyancy and Wind Forcing on Southern Ocean Climate Change. <i>Journal of Climate</i> , 2020, 33, 10003-10020.	1.2	26
54	Seasonal Dependency of Tropical Precipitation Change under Global Warming. <i>Journal of Climate</i> , 2020, 33, 7897-7908.	1.2	12

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55	Rossby and Yanai Modes of Tropical Instability Waves in the Equatorial Pacific Ocean and a Diagnostic Model for Surface Currents. <i>Journal of Physical Oceanography</i> , 2020, 50, 3009-3024.	0.7	13
56	Why Does Global Warming Weaken the Gulf Stream but Intensify the Kuroshio?. <i>Journal of Climate</i> , 2019, 32, 7437-7451.	1.2	52
57	Effect of the mean flow on the anomalous anticyclone over the Indo-Northwest Pacific in post-El Niño summers. <i>Climate Dynamics</i> , 2019, 53, 5725-5741.	1.7	29
58	The North Pacific Pacemaker Effect on Historical ENSO and Its Mechanisms. <i>Journal of Climate</i> , 2019, 32, 7643-7661.	1.2	48
59	Enhanced equatorial warming causes deep-tropical contraction and subtropical monsoon shift. <i>Nature Climate Change</i> , 2019, 9, 834-839.	8.1	47
60	Observed Variations of the Atmospheric Boundary Layer and Stratocumulus over a Warm Eddy in the Kuroshio Extension. <i>Monthly Weather Review</i> , 2019, 147, 1581-1591.	0.5	9
61	A Conceptual Spectral Plume Model for Understanding Tropical Temperature Profile and Convective Updraft Velocities. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 2801-2814.	0.6	14
62	Systematic Scatterometer Wind Errors Near Coastal Mountains. <i>Earth and Space Science</i> , 2019, 6, 1900-1914.	1.1	4
63	Improving Atmospheric River Forecasts With Machine Learning. <i>Geophysical Research Letters</i> , 2019, 46, 10627-10635.	1.5	46
64	Evolution of South Tropical Indian Ocean Warming and the Climatic Impacts Following Strong El Niño Events. <i>Journal of Climate</i> , 2019, 32, 7329-7347.	1.2	45
65	Interannual Variability of Summer Surface Air Temperature over Central India: Implications for Monsoon Onset. <i>Journal of Climate</i> , 2019, 32, 1693-1706.	1.2	32
66	Coupled ocean-atmosphere dynamics of the 2017 extreme coastal El Niño. <i>Nature Communications</i> , 2019, 10, 298.	5.8	44
67	Ocean warming pattern effects on future changes in East Asian atmospheric rivers. <i>Environmental Research Letters</i> , 2019, 14, 054019.	2.2	18
68	Effects of a Cold Ocean Eddy on Local Atmospheric Boundary Layer Near the Kuroshio Extension: In Situ Observations and Model Experiments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5779-5790.	1.2	8
69	Dynamics on Seasonal Variability of EKE Associated with TIWs in the Eastern Equatorial Pacific Ocean. <i>Journal of Physical Oceanography</i> , 2019, 49, 1503-1519.	0.7	16
70	The Pacific Meridional Mode over the last millennium. <i>Climate Dynamics</i> , 2019, 53, 3547-3560.	1.7	14
71	Variability and Predictability of North Atlantic Hurricane Frequency in a Large Ensemble of High-Resolution Atmospheric Simulations. <i>Journal of Climate</i> , 2019, 32, 3153-3167.	1.2	28
72	Pantropical climate interactions. <i>Science</i> , 2019, 363, .	6.0	419

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73	El Niño "Like Physical and Biogeochemical Ocean Response to Tropical Eruptions. <i>Journal of Climate</i> , 2019, 32, 2627-2649.	1.2	24
74	Intensification of El Niño Rainfall Variability Over the Tropical Pacific in the Slow Oceanic Response to Global Warming. <i>Geophysical Research Letters</i> , 2019, 46, 2253-2260.	1.5	14
75	Local and Nonlocal Land Surface Influence in European Heatwave Initial Condition Ensembles. <i>Geophysical Research Letters</i> , 2019, 46, 14082-14092.	1.5	17
76	Variability and Predictability of Indian Rainfall During the Monsoon Onset Month of June. <i>Geophysical Research Letters</i> , 2019, 46, 14782-14788.	1.5	17
77	Effects of Anticyclonic Eddies on the Multicore Structure of the North Pacific Subtropical Mode Water Based on Argo Observations. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 8400-8413.	1.0	5
78	Deciphering Human Contributions to Yellow River Flow Reductions and Downstream Drying Using Centuries-Long Tree Ring Records. <i>Geophysical Research Letters</i> , 2019, 46, 898-905.	1.5	30
79	Assessing the internal variability in multi-decadal trends of summer surface air temperature over East Asia with a large ensemble of GCM simulations. <i>Climate Dynamics</i> , 2019, 52, 6229-6242.	1.7	27
80	Dynamics of Asian Summer Monsoon Response to Anthropogenic Aerosol Forcing. <i>Journal of Climate</i> , 2019, 32, 843-858.	1.2	40
81	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
82	Challenges and opportunities for improved understanding of regional climate dynamics. <i>Nature Climate Change</i> , 2018, 8, 101-108.	8.1	56
83	Increasing occurrence of cold and warm extremes during the recent global warming slowdown. <i>Nature Communications</i> , 2018, 9, 1724.	5.8	165
84	Eastern Pacific ITCZ Dipole and ENSO Diversity. <i>Journal of Climate</i> , 2018, 31, 4449-4462.	1.2	48
85	The interplay of internal and forced modes of Hadley Cell expansion: lessons from the global warming hiatus. <i>Climate Dynamics</i> , 2018, 51, 305-319.	1.7	42
86	ENSO forced and local variability of North Tropical Atlantic SST: model simulations and biases. <i>Climate Dynamics</i> , 2018, 51, 4511-4524.	1.7	29
87	Polar amplification dominated by local forcing and feedbacks. <i>Nature Climate Change</i> , 2018, 8, 1076-1081.	8.1	216
88	An Ocean View of the Global Surface Warming Hiatus. <i>Oceanography</i> , 2018, 31, .	0.5	23
89	Satellite Observations of Enhanced Chlorophyll Variability in the Southern California Bight. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7550-7563.	1.0	11
90	Indo-Western Pacific Climate Variability: ENSO Forcing and Internal Dynamics in a Tropical Pacific Pacemaker Simulation. <i>Journal of Climate</i> , 2018, 31, 10123-10139.	1.2	16

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91	A Hierarchy of Idealized Monsoons in an Intermediate GCM. <i>Journal of Climate</i> , 2018, 31, 9021-9036.	1.2	22
92	Global energetics and local physics as drivers of past, present and future monsoons. <i>Nature Geoscience</i> , 2018, 11, 392-400.	5.4	100
93	Changes in Extreme Rainfall Over India and China Attributed to Regional Aerosol-Cloud Interaction During the Late 20th Century Rapid Industrialization. <i>Geophysical Research Letters</i> , 2018, 45, 7857-7865.	1.5	57
94	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
95	Extratropical forcing and tropical rainfall distribution: energetics framework and ocean Ekman advection. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	2.6	65
96	Atmospheric Conditions for Advection-Radiation Fog Over the Western Yellow Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5455-5468.	1.2	25
97	Pacific Decadal Oscillation: Tropical Pacific Forcing versus Internal Variability. <i>Journal of Climate</i> , 2018, 31, 8265-8279.	1.2	44
98	Evaluating AMIP Skill in Simulating Interannual Variability over the Indo-Western Pacific. <i>Journal of Climate</i> , 2018, 31, 2253-2265.	1.2	30
99	Atlantic effects on recent decadal trends in global monsoon. <i>Climate Dynamics</i> , 2017, 49, 3443-3455.	1.7	32
100	Global Influence of Tropical Pacific Variability with Implications for Global Warming Slowdown. <i>Journal of Climate</i> , 2017, 30, 2679-2695.	1.2	17
101	Seasonal Modulations of El Niño-Related Atmospheric Variability: Indo-Western Pacific Ocean Feedback. <i>Journal of Climate</i> , 2017, 30, 3461-3472.	1.2	37
102	Intermember Variability of the Summer Northwest Pacific Subtropical Anticyclone in the Ensemble Forecast. <i>Journal of Climate</i> , 2017, 30, 3927-3941.	1.2	19
103	Observing subsurface changes of two anticyclonic eddies passing over the Izu-Ogasawara Ridge. <i>Geophysical Research Letters</i> , 2017, 44, 1857-1865.	1.5	8
104	Atmospheric Rivers over the Northwestern Pacific: Climatology and Interannual Variability. <i>Journal of Climate</i> , 2017, 30, 5605-5619.	1.2	80
105	Early 20th-century Arctic warming intensified by Pacific and Atlantic multidecadal variability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6227-6232.	3.3	106
106	What Caused the Global Surface Warming Hiatus of 1998-2013?. <i>Current Climate Change Reports</i> , 2017, 3, 128-140.	2.8	67
107	Intermodel Spread around the Kuroshio-Oyashio Extension Region in Coupled GCMs Caused by Meridional Variation of the Westerly Jet from Atmospheric GCMs. <i>Journal of Climate</i> , 2017, 30, 4589-4599.	1.2	5
108	Overlooked possibility of a collapsed Atlantic Meridional Overturning Circulation in warming climate. <i>Science Advances</i> , 2017, 3, e1601666.	4.7	199

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109	Contributions of the North Pacific Meridional Mode to Ensemble Spread of ENSO Prediction. <i>Journal of Climate</i> , 2017, 30, 9167-9181.	1.2	46
110	Climatology and decadal variations in multicore structure of the North Pacific subtropical mode water. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 7506-7520.	1.0	5
111	Diurnal Convection-Wind Coupling in the Bay of Bengal. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9705-9720.	1.2	19
112	Enhanced warming of the subtropical mode water in the North Pacific and North Atlantic. <i>Nature Climate Change</i> , 2017, 7, 656-658.	8.1	33
113	Western Pacific emergent constraint lowers projected increase in Indian summer monsoon rainfall. <i>Nature Climate Change</i> , 2017, 7, 708-712.	8.1	92
114	Orographically Anchored El Niño Effect on Summer Rainfall in Central China. <i>Journal of Climate</i> , 2017, 30, 10037-10045.	1.2	54
115	Removing Circulation Effects to Assess Central U.S. Land-Atmosphere Interactions in the CESM Large Ensemble. <i>Geophysical Research Letters</i> , 2017, 44, 9938-9946.	1.5	33
116	Tropical Ocean Contributions to California's Surprisingly Dry El Niño of 2015/16. <i>Journal of Climate</i> , 2017, 30, 10067-10079.	1.2	29
117	A Transbasin Mode of Interannual Variability of the Central American Gap Winds: Seasonality and Large-Scale Forcing. <i>Journal of Climate</i> , 2017, 30, 8223-8235.	1.2	6
118	Connecting tropical climate change with Southern Ocean heat uptake. <i>Geophysical Research Letters</i> , 2017, 44, 9449-9457.	1.5	61
119	Causes of Enhanced SST Variability over the Equatorial Atlantic and Its Relationship to the Atlantic Zonal Mode in CMIP5. <i>Journal of Climate</i> , 2017, 30, 6171-6182.	1.2	8
120	Evolution of the North Pacific Subtropical Mode Water in Anticyclonic Eddies. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 10118-10130.	1.0	25
121	Phase locking of equatorial Atlantic variability through the seasonal migration of the ITCZ. <i>Climate Dynamics</i> , 2017, 48, 3615-3629.	1.7	48
122	Forced response and internal variability of summer climate over western North America. <i>Climate Dynamics</i> , 2017, 49, 403-417.	1.7	19
123	Asian monsoon climate change - Understanding and prediction. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017, 53, 179-180.	1.3	6
124	WES feedback and the Atlantic Meridional Mode: observations and CMIP5 comparisons. <i>Climate Dynamics</i> , 2017, 49, 1665-1679.	1.7	69
125	Intermodel spread of the double-ITCZ bias in coupled GCMs tied to land surface temperature in AMIP GCMs. <i>Geophysical Research Letters</i> , 2017, 44, 7975-7984.	1.5	17
126	Climatological Relationship between Warm Season Atmospheric Rivers and Heavy Rainfall over East Asia. <i>Journal of the Meteorological Society of Japan</i> , 2017, 95, 411-431.	0.7	56

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127	Low-Cloud Transitions across the Kuroshio Front in the East China Sea. <i>Journal of Climate</i> , 2016, 29, 4429-4443.	1.2	18
128	Tracking ocean heat uptake during the surface warming hiatus. <i>Nature Communications</i> , 2016, 7, 10926.	5.8	124
129	Detecting cross-equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing. <i>Geophysical Research Letters</i> , 2016, 43, 3444-3450.	1.5	34
130	Multicore structure of the North Pacific subtropical mode water from enhanced Argo observations. <i>Geophysical Research Letters</i> , 2016, 43, 1249-1255.	1.5	8
131	Indo-western Pacific ocean capacitor and coherent climate anomalies in post-ENSO summer: A review. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 411-432.	1.9	526
132	Interannual-to-decadal variability and trends of sea level in the South China Sea. <i>Climate Dynamics</i> , 2016, 46, 3113-3126.	1.7	54
133	Uncertainty in Tropical Rainfall Projections: Atmospheric Circulation Effect and the Ocean Coupling. <i>Journal of Climate</i> , 2016, 29, 2671-2687.	1.2	53
134	Intensification of landfalling typhoons over the northwest Pacific since the late 1970s. <i>Nature Geoscience</i> , 2016, 9, 753-757.	5.4	301
135	Intermodel Uncertainty in ENSO Amplitude Change Tied to Pacific Ocean Warming Pattern. <i>Journal of Climate</i> , 2016, 29, 7265-7279.	1.2	76
136	Circumventing rain-related errors in scatterometer wind observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9422-9440.	1.2	10
137	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
138	The global warming hiatus: Slowdown or redistribution?. <i>Earth's Future</i> , 2016, 4, 472-482.	2.4	134
139	Characterizing CMIP5 model spread in simulated rainfall in the Pacific Intertropical Convergence and South Pacific Convergence Zones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11590-11607.	1.2	11
140	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
141	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
142	Observing mesoscale eddy effects on mode-water subduction and transport in the North Pacific. <i>Nature Communications</i> , 2016, 7, 10505.	5.8	82
143	Correspondence: Reply to: "Correspondence: Variations in ocean heat uptake during the surface warming hiatus". <i>Nature Communications</i> , 2016, 7, 12542.	5.8	5
144	Slow Preconditioning for the Abrupt Convective Jump over the Northwest Pacific during Summer. <i>Journal of Climate</i> , 2016, 29, 8103-8113.	1.2	11

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145	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
146	Summer U.S. Surface Air Temperature Variability: Controlling Factors and AMIP Simulation Biases. <i>Journal of Climate</i> , 2016, 29, 5123-5139.	1.2	26
147	Changes in mixed layer depth and spring bloom in the Kuroshio extension under global warming. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 452-461.	1.9	5
148	Robust cloud feedback over tropical land in a warming climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2593-2609.	1.2	17
149	Leading the hiatus research surge. <i>Nature Climate Change</i> , 2016, 6, 345-346.	8.1	18
150	A 117-year long index of the Pacific-Japan pattern with application to interdecadal variability. <i>International Journal of Climatology</i> , 2016, 36, 1575-1589.	1.5	77
151	Preface to the special issue "Unified perspective of climate variability and change". <i>Advances in Atmospheric Sciences</i> , 2016, 33, 409-410.	1.9	0
152	Making sense of the early-2000s warming slowdown. <i>Nature Climate Change</i> , 2016, 6, 224-228.	8.1	333
153	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
154	Distinct energy budgets for anthropogenic and natural changes during global warming hiatus. <i>Nature Geoscience</i> , 2016, 9, 29-33.	5.4	73
155	Atlantic-induced pan-tropical climate change over the past three decades. <i>Nature Climate Change</i> , 2016, 6, 275-279.	8.1	330
156	The North Pacific Oxygen Uptake Rates over the Past Half Century. <i>Journal of Climate</i> , 2016, 29, 61-76.	1.2	27
157	Intermodel variations in projected precipitation change over the North Atlantic: Sea surface temperature effect. <i>Geophysical Research Letters</i> , 2015, 42, 4158-4165.	1.5	24
158	Seasonality of tropical Pacific decadal trends associated with the 21st century global warming hiatus. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6782-6798.	1.0	22
159	Understanding the Indian Ocean response to double CO2 forcing in a coupled model. <i>Ocean Dynamics</i> , 2015, 65, 1037-1046.	0.9	22
160	Ocean mediation of tropospheric response to reflecting and absorbing aerosols. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5827-5833.	1.9	42
161	ASCAT observations of downdrafts from mesoscale convective systems. <i>Geophysical Research Letters</i> , 2015, 42, 1951-1958.	1.5	39
162	Effects of the Hawaiian Islands on the vertical structure of low-level clouds from CALIPSO lidar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 215-228.	1.2	2

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