Wenju Cai

List of Publications by Year
in descending order

246 papers	21,212 citations	11651 70 h-index	11607 135 g-index
275 all docs	275 docs citations	275 times ranked	16045 citing authors

#	Article	IF	Citations
1	Increasing frequency of extreme El NiÃ±o events due to greenhouse warming. Nature Climate Change, 2014, 4, 111-116.	18.8	1,572
2	Recent intensification of wind-driven circulation in the Pacific and the ongoing warming hiatus. Nature Climate Change, 2014, 4, 222-227.	18.8	1,115
3	The impact of global warming on the tropical Pacific Ocean and El NiÃ±o. Nature Geoscience, 2010, 3, 391-397.	12.9	1,029
4	El NiÃ±oâ€“Southern Oscillation complexity. Nature, 2018, 559, 535-545.	27.8	702
5	ENSO and greenhouse warming. Nature Climate Change, 2015, 5, 849-859.	18.8	596
6	Enhanced warming over the global subtropical western boundary currents. Nature Climate Change, 2012, 2, 161-166.	18.8	564
7	Increased frequency of extreme LaÂNiÃ±a events under greenhouse warming. Nature Climate Change, 2015, 5, 132-137.	18.8	479
8	Weather conditions conducive to Beijing severe haze more frequent under climateÂchange. Nature Climate Change, 2017, 7, 257-262.	18.8	479
9	Pacific western boundary currents and their roles in climate. Nature, 2015, 522, 299-308.	27.8	474
10	Pantropical climate interactions. Science, 2019, 363, .	12.6	419
11	A multi-decade record of high-quality <i>f</i>CO₂ data in version 3 of the Surface Ocean CO₂ Atlas (SOCAT). Earth System Science Data, 2016, 8, 383-413.	9.9	413
12	Increased variability of eastern Pacific El NiÃ±o under greenhouse warming. Nature, 2018, 564, 201-206.	27.8	394
13	Teleconnection Pathways of ENSO and the IOD and the Mechanisms for Impacts on Australian Rainfall. Journal of Climate, 2011, 24, 3910-3923.	3.2	351
14	The Defining Characteristics of ENSO Extremes and the Strong 2015/2016 El NiÃ±o. Reviews of Geophysics, 2017, 55, 1079-1129.	23.0	337
15	ENSO Atmospheric Teleconnections and Their Response to Greenhouse Gas Forcing. Reviews of Geophysics, 2018, 56, 185-206.	23.0	330
16	Climate impacts of the El NiÃ±oâ€“Southern Oscillation on South America. Nature Reviews Earth & Environment, 2020, 1, 215-231.	29.7	318
17	Increased frequency of extreme Indian Ocean Dipole events due to greenhouse warming. Nature, 2014, 510, 254-258.	27.8	296
18	The response of the Southern Annular Mode, the East Australian Current, and the southern mid-latitude ocean circulation to global warming. Geophysical Research Letters, 2005, 32, .	4.0	234

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19	Historical change of El NiÃ±o properties sheds light on future changes of extreme El NiÃ±o. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22512-22517.	7.1	221
20	Polar amplification dominated by local forcing and feedbacks. Nature Climate Change, 2018, 8, 1076-1081.	18.8	216
21	Projected response of the Indian Ocean Dipole to greenhouse warming. Nature Geoscience, 2013, 6, 999-1007.	12.9	201
22	Changing El NiÃ±oâ€"Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644.	29.7	197
23	Evidence of impacts from rising temperature on inflows to the Murrayâ€Darling Basin. Geophysical Research Letters, 2008, 35, .	4.0	185
24	Positive Indian Ocean Dipole events precondition southeast Australia bushfires. Geophysical Research Letters, 2009, 36, .	4.0	180
25	Continued increase of extreme ElÂNiÃ±o frequency long after 1.5â€‰Â°C warming stabilization. Nature Climate Change, 2017, 7, 568-572.	18.8	174
26	Antarctic ozone depletion causes an intensification of the Southern Ocean super-gyre circulation. Geophysical Research Letters, 2006, 33, .	4.0	173
27	Global Meteorological Drought: A Synthesis of Current Understanding with a Focus on SST Drivers of Precipitation Deficits. Journal of Climate, 2016, 29, 3989-4019.	3.2	161
28	More extreme swings of the South Pacific convergence zone due to greenhouse warming. Nature, 2012, 488, 365-369.	27.8	160
29	Recent unprecedented skewness towards positive Indian Ocean Dipole occurrences and its impact on Australian rainfall. Geophysical Research Letters, 2009, 36, .	4.0	159
30	Severe heat waves in Southern Australia: synoptic climatology and large scale connections. Climate Dynamics, 2012, 38, 209-224.	3.8	157
31	La NiÃ±a Modoki impacts Australia autumn rainfall variability. Geophysical Research Letters, 2009, 36, .	4.0	154
32	Response of El NiÃ±o sea surface temperature variability to greenhouse warming. Nature Climate Change, 2014, 4, 786-790.	18.8	147
33	The Response of the Antarctic Oscillation to Increasing and Stabilized Atmospheric CO2. Journal of Climate, 2003, 16, 1525-1538.	3.2	139
34	Asymmetry in ENSO Teleconnection with Regional Rainfall, Its Multidecadal Variability, and Impact. Journal of Climate, 2010, 23, 4944-4955.	3.2	136
35	Why is the amplitude of the Indian Ocean Dipole overly large in CMIP3 and CMIP5 climate models?. Geophysical Research Letters, 2013, 40, 1200-1205.	4.0	128
36	Statistical Modeling of Extreme Rainfall in Southwest Western Australia. Journal of Climate, 2005, 18, 852-863.	3.2	127

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37	Have Australian rainfall and cloudiness increased due to the remote effects of Asian anthropogenic aerosols?. Journal of Geophysical Research, 2007, 112, .	3.3	127
38	Unraveling El NiÃ±o's impact on the East Asian Monsoon and Yangtze River summer flooding. Geophysical Research Letters, 2016, 43, 11,375.	4.0	125
39	Atlantic meridional overturning circulation and the Southern Hemisphere supergyre. Geophysical Research Letters, 2007, 34, .	4.0	123
40	A New Type of the Indian Ocean Dipole since the Mid-1970s. Journal of Climate, 2013, 26, 959-972.	3.2	122
41	An Asymmetry in the IOD and ENSO Teleconnection Pathway and Its Impact on Australian Climate. Journal of Climate, 2012, 25, 6318-6329.	3.2	118
42	Rainfall reductions over Southern Hemisphere semi-arid regions: the role of subtropical dry zone expansion. Scientific Reports, 2012, 2, 702.	3.3	116
43	Late-twentieth-century emergence of the El NiÃ±o propagation asymmetry and future projections. Nature, 2013, 504, 126-130.	27.8	116
44	Trends in Southern Hemisphere Circulation in IPCC AR4 Models over 1950â€“99: Ozone Depletion versus Greenhouse Forcing. Journal of Climate, 2007, 20, 681-693.	3.2	114
45	Influence of climate variability on seasonal extremes over Australia. Journal of Geophysical Research D: Atmospheres, 2013, 118, 643-654.	3.3	113
46	ENSO stability in coupled climate models and its association with mean state. Climate Dynamics, 2014, 42, 3313-3321.	3.8	112
47	Dynamics of late autumn rainfall reduction over southeastern Australia. Geophysical Research Letters, 2008, 35, .	4.0	108
48	SAM and regional rainfall in IPCC AR4 models: Can anthropogenic forcing account for southwest Western Australian winter rainfall reduction?. Geophysical Research Letters, 2006, 33, .	4.0	104
49	Current drought and future hydroclimate projections in southeast Australia and implications for water resources management. Stochastic Environmental Research and Risk Assessment, 2011, 25, 601-612.	4.0	103
50	The Southwest Pacific Ocean circulation and climate experiment (SPICE). Journal of Geophysical Research: Oceans, 2014, 119, 7660-7686.	2.6	101
51	Indian Ocean Dipole in CMIP5 and CMIP6: characteristics, biases, and links to ENSO. Scientific Reports, 2020, 10, 11500.	3.3	94
52	Decadal climate variability in the tropical Pacific: Characteristics, causes, predictability, and prospects. Science, 2021, 374, eaay9165.	12.6	92
53	Rising temperature depletes soil moisture and exacerbates severe drought conditions across southeast Australia. Geophysical Research Letters, 2009, 36, .	4.0	89
54	Interactions of ENSO, the IOD, and the SAM in CMIP3 Models. Journal of Climate, 2011, 24, 1688-1704.	3.2	88

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55	The 2011 southeast Queensland extreme summer rainfall: A confirmation of a negative Pacific Decadal Oscillation phase?. Geophysical Research Letters, 2012, 39, .	4.0	85
56	Human-caused Indo-Pacific warm pool expansion. Science Advances, 2016, 2, e1501719.	10.3	85
57	Tropical teleconnection impacts on Antarctic climate changes. Nature Reviews Earth & Environment, 2021, 2, 680-698.	29.7	85
58	Increased ENSO sea surface temperature variability under four IPCC emission scenarios. Nature Climate Change, 2022, 12, 228-231.	18.8	85
59	Gravity currents and the release of salt from an inverse estuary. Nature, 1987, 327, 695-697.	27.8	84
60	Tropical Pacific SST Drivers of Recent Antarctic Sea Ice Trends. Journal of Climate, 2016, 29, 8931-8948.	3.2	82
61	Deep-reaching acceleration of global mean ocean circulation over the past two decades. Science Advances, 2020, 6, eaax7727.	10.3	80
62	Southeast Australia Autumn Rainfall Reduction: A Climate-Change-Induced Poleward Shift of Oceanâ€"Atmosphere Circulation. Journal of Climate, 2013, 26, 189-205.	3.2	79
63	Did Climate Changeâ€"Induced Rainfall Trends Contribute to the Australian Millennium Drought?. Journal of Climate, 2014, 27, 3145-3168.	3.2	79
64	Opposite response of strong and moderate positive Indian Ocean Dipole to global warming. Nature Climate Change, 2021, 11, 27-32.	18.8	79
65	Thermocline Warming Induced Extreme Indian Ocean Dipole in 2019. Geophysical Research Letters, 2020, 47, e2020GL090079.	4.0	78
66	Transmission of ENSO signal to the Indian Ocean. Geophysical Research Letters, 2005, 32, .	4.0	77
67	Evidence for link between modelled trends in Antarctic sea ice and underestimated westerly wind changes. Nature Communications, 2016, 7, 10409.	12.8	77
68	The impact of Asian and non-Asian anthropogenic aerosols on 20th century Asian summer monsoon. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	76
69	The asymmetric influence of the positive and negative IOD events on China's rainfall. Scientific Reports, 2014, 4, 4943.	3.3	76
70	Sensitivity of a World Ocean GCM to Changes in Subsurface Mixing Parameterization. Journal of Physical Oceanography, 1994, 24, 1256-1279.	1.7	75
71	Variability and Trend of North West Australia Rainfall: Observations and Coupled Climate Modeling. Journal of Climate, 2008, 21, 2938-2959.	3.2	74
72	Rainfall variations in central Indo-Pacific over the past 2,700 y. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17201-17206.	7.1	73

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73	Modes of Interannual Variability of the Southern Hemisphere Circulation Simulated by the CSIRO Climate Model. Journal of Climate, 2002, 15, 1159-1174.	3.2	72
74	Indian Ocean Dipolelike Variability in the CSIRO Mark 3 Coupled Climate Model. Journal of Climate, 2005, 18, 1449-1468.	3.2	72
75	Changes in South Pacific rainfall bands in a warming climate. Nature Climate Change, 2013, 3, 417-423.	18.8	71
76	Attribution of Anthropogenic Influence on Atmospheric Patterns Conducive to Recent Most Severe Haze Over Eastern China. Geophysical Research Letters, 2018, 45, 2072-2081.	4.0	71
77	Impact of Indo-Pacific Feedback Interactions on ENSO Dynamics Diagnosed Using Ensemble Climate Simulations. Journal of Climate, 2012, 25, 7743-7763.	3.2	65
78	Anthropogenic Aerosols Cause Recent Pronounced Weakening of Asian Summer Monsoon Relative to Last Four Centuries. Geophysical Research Letters, 2019, 46, 5469-5479.	4.0	65
79	Robust contribution of decadal anomalies to the frequency of central-Pacific El NiÃ±o. Scientific Reports, 2016, 6, 38540.	3.3	64
80	Realism of the Indian Ocean Dipole in CMIP5 Models: The Implications for Climate Projections. Journal of Climate, 2013, 26, 6649-6659.	3.2	63
81	Butterfly effect and a self-modulating El NiÃ±o response to global warming. Nature, 2020, 585, 68-73.	27.8	63
82	Simulations of Processes Associated with the Fast Warming Rate of the Southern Midlatitude Ocean. Journal of Climate, 2010, 23, 197-206.	3.2	62
83	Groundwater storage trends in the Loess Plateau of China estimated from streamflow records. Journal of Hydrology, 2015, 530, 281-290.	5.4	62
84	Changing Lengths of the Four Seasons by Global Warming. Geophysical Research Letters, 2021, 48, e2020GL091753.	4.0	62
85	The Pacific Decadal Oscillation less predictable under greenhouse warming. Nature Climate Change, 2020, 10, 30-34.	18.8	60
86	Rainfall Teleconnections with Indo-Pacific Variability in the WCRP CMIP3 Models. Journal of Climate, 2009, 22, 5046-5071.	3.2	59
87	Fluctuations of the relationship between ENSO and northeast Australian rainfall. Climate Dynamics, 2001, 17, 421-432.	3.8	58
88	Synchronicity of Kuroshio Current and climate system variability since the Last Glacial Maximum. Earth and Planetary Science Letters, 2016, 452, 247-257.	4.4	57
89	Southern Mid- to High-Latitude Variability, a Zonal Wavenumber-3 Pattern, and the Antarctic Circumpolar Wave in the CSIRO Coupled Model. Journal of Climate, 1999, 12, 3087-3104.	3.2	56
90	Forcing of the Antarctic Circumpolar Wave by El NiÃ±o-Southern Oscillation teleconnections. Journal of Geophysical Research, 2001, 106, 9019-9038.	3.3	56

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91	Climate change contributes to more frequent consecutive positive Indian Ocean Dipole events. Geophysical Research Letters, 2009, 36, .	4.0	56
92	Climate-change impact on the 20th-century relationship between the Southern Annular Mode and global mean temperature. Scientific Reports, 2013, 3, 2039.	3.3	56
93	Tropical climate variability: interactions across the Pacific, Indian, and Atlantic Oceans. Climate Dynamics, 2017, 48, 2173-2190.	3.8	56
94	Future extreme sea level seesaws in the tropical Pacific. Science Advances, 2015, 1, e1500560.	10.3	55
95	Longâ€term streamflow trends in the middle reaches of the Yellow River Basin: detecting drivers of change. Hydrological Processes, 2016, 30, 1315-1329.	2.6	53
96	On the Response of the Aleutian Low to Greenhouse Warming. Journal of Climate, 2017, 30, 3907-3925.	3.2	53
97	Seesaw haze pollution in North China modulated by the sub-seasonal variability of atmospheric circulation. Atmospheric Chemistry and Physics, 2019, 19, 565-576.	4.9	53
98	An Observation-Based Assessment of Nonlinear Feedback Processes Associated with the Indian Ocean Dipole. Journal of Climate, 2013, 26, 2880-2890.	3.2	51
99	Stabilised frequency of extreme positive Indian Ocean Dipole under 1.5â€‰Â°C warming. Nature Communications, 2018, 9, 1419.	12.8	51
100	Evidence for a time-varying pattern of Greenhouse warming in the Pacific Ocean. Geophysical Research Letters, 2000, 27, 2577-2580.	4.0	48
101	Two-year consecutive concurrences of positive Indian Ocean Dipole and Central Pacific El NiÃ±o preconditioned the 2019/2020 Australian â€œblack summerâ€•bushfires. Geoscience Letters, 2020, 7, .	3.3	48
102	Argo profiles a rare occurrence of three consecutive positive Indian Ocean Dipole events, 2006â€“2008. Geophysical Research Letters, 2009, 36, .	4.0	47
103	Multidecadal fluctuations of winter rainfall over southwest Western Australia simulated in the CSIRO Mark 3 coupled model. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	44
104	Influence of Global-Scale Variability on the Subtropical Ridge over Southeast Australia. Journal of Climate, 2011, 24, 6035-6053.	3.2	43
105	Impacts of Broad-Scale Surface Freshening of the Southern Ocean in a Coupled Climate Model. Journal of Climate, 2018, 31, 2613-2632.	3.2	43
106	Pan-oceanic response to increasing anthropogenic aerosols: Impacts on the Southern Hemisphere oceanic circulation. Geophysical Research Letters, 2006, 33, .	4.0	42
107	An interpretation of Australian rainfall projections. Geophysical Research Letters, 2008, 35, .	4.0	42
108	Does the Southern Annular Mode contribute to the persistence of the multidecade-long drought over southwest Western Australia?. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	42

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109	Argo profiles variability of barrier layer in the tropical Indian Ocean and its relationship with the Indian Ocean Dipole. Geophysical Research Letters, 2012, 39, .	4.0	42
110	Weakening Atlantic NiÃ±oâ€“Pacific connection under greenhouse warming. Science Advances, 2019, 5, eaax4111.	10.3	42
111	Interactions between thermohaline- and wind-driven circulations and their relevance to the dynamics of the Antarctic Circumpolar Current, in a coarse-resolution global ocean general circulation model. Journal of Geophysical Research, 1996, 101, 14073-14093.	3.3	41
112	A Unique Feature of the 2019 Extreme Positive Indian Ocean Dipole Event. Geophysical Research Letters, 2020, 47, e2020GL088615.	4.0	40
113	An Interhemispheric Tropical Sea Level Seesaw due to El NiÃ±o Taimasa. Journal of Climate, 2014, 27, 1070-1081.	3.2	39
114	Autumn Precipitation Trends over Southern Hemisphere Midlatitudes as Simulated by CMIP5 Models. Journal of Climate, 2013, 26, 8341-8356.	3.2	37
115	Asymmetry in the IOD and ENSO Teleconnection in a CMIP5 Model Ensemble and Its Relevance to Regional Rainfall. Journal of Climate, 2013, 26, 5139-5149.	3.2	37
116	The role of the SST-thermocline relationship in Indian Ocean Dipole skewness and its response to global warming. Scientific Reports, 2014, 4, 6034.	3.3	37
117	Winter particulate pollution severity in North China driven by atmospheric teleconnections. Nature Geoscience, 2022, 15, 349-355.	12.9	37
118	Atmospheric and Oceanic Conditions Associated with Southern Australian Heat Waves: A CMIP5 Analysis. Journal of Climate, 2014, 27, 7807-7829.	3.2	36
119	New Strategies for Evaluating ENSO Processes in Climate Models. Bulletin of the American Meteorological Society, 2012, 93, 235-238.	3.3	35
120	The Role of the Indonesian Throughflow on ENSO Dynamics in a Coupled Climate Model. Journal of Climate, 2011, 24, 585-601.	3.2	34
121	Enhanced North Pacific impact on El NiÃ±o/Southern Oscillation under greenhouse warming. Nature Climate Change, 2021, 11, 840-847.	18.8	34
122	Emergence of climate change in the tropical Pacific. Nature Climate Change, 2022, 12, 356-364.	18.8	34
123	Multidecadal variability in the transmission of ENSO signals to the Indian Ocean. Geophysical Research Letters, 2007, 34, .	4.0	33
124	Impacts of precipitation and temperature changes on annual streamflow in the Murrayâ€“Darling Basin. Water International, 2010, 35, 313-323.	1.0	32
125	Threat by marine heatwaves to adaptive large marine ecosystems in an eddy-resolving model. Nature Climate Change, 2022, 12, 179-186.	18.8	32
126	Analysis of an Interactive Instability Mechanism for the Antarctic Circumpolar Wave. Journal of Climate, 2000, 13, 1831-1844.	3.2	31

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127	Assessing the Impact of Model Biases on the Projected Increase in Frequency of Extreme Positive Indian Ocean Dipole Events. Journal of Climate, 2017, 30, 2757-2767.	3.2	30
128	Global Warming Attenuates the Tropical Atlantic-Pacific Teleconnection. Scientific Reports, 2016, 6, 20078.	3.3	29
129	Increased variability of the western Pacific subtropical high under greenhouse warming. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	29
130	Interdecadal Variability in an Ocean Model Driven by a Small, Zonal Redistribution of the Surface Buoyancy Flux. Journal of Physical Oceanography, 1995, 25, 1998-2010.	1.7	28
131	Anthropogenic aerosol forcing and the structure of temperature trends in the southern Indian Ocean. Geophysical Research Letters, 2007, 34, .	4.0	28
132	Lowâ€Frequency Variability and the Unusual Indian Ocean Dipole Events in 2015 and 2016. Geophysical Research Letters, 2018, 45, 1040-1048.	4.0	27
133	Simulation of the Indian Ocean Dipole: A relevant criterion for selecting models for climate projections. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	26
134	Definition of Extreme El NiÃ±o and Its Impact on Projected Increase in Extreme El NiÃ±o Frequency. Geophysical Research Letters, 2017, 44, 11,184.	4.0	26
135	Variability of the Subantarctic Mode Water Volume in the South Indian Ocean During 2004â€“2018. Geophysical Research Letters, 2020, 47, e2020GL087830.	4.0	26
136	Greenhouse warming intensifies north tropical Atlantic climate variability. Science Advances, 2021, 7, .	10.3	26
137	A Time-Varying Greenhouse Warming Pattern and the Tropicalâ€“Extratropical Circulation Linkage in the Pacific Ocean. Journal of Climate, 2001, 14, 3337-3355.	3.2	25
138	Multidecadal ENSO Amplitude Variability in a 1000-yr Simulation of a Coupled Global Climate Model: Implications for Observed ENSO Variability. Journal of Climate, 2013, 26, 9399-9407.	3.2	25
139	Austral Summer Teleconnections of Indo-Pacific Variability: Their Nonlinearity and Impacts on Australian Climate. Journal of Climate, 2013, 26, 2796-2810.	3.2	25
140	Extreme swings of the South Pacific Convergence Zone and the different types of El NiÃ±o events. Geophysical Research Letters, 2014, 41, 4695-4703.	4.0	25
141	Trends in Southern Hemisphere wind-driven circulation in CMIP5 models over the 21st century: Ozone recovery versus greenhouse forcing. Journal of Geophysical Research: Oceans, 2014, 119, 2974-2986.	2.6	25
142	Surface heat flux parameterizations and the variability of thermohaline circulation. Journal of Geophysical Research, 1995, 100, 10679.	3.3	24
143	Modes of SST variability and the fluctuation of global mean temperature. Climate Dynamics, 2001, 17, 889-901.	3.8	24
144	Resolution dependence of the simulated precipitation and diurnal cycle over the Maritime Continent. Climate Dynamics, 2017, 48, 4009-4028.	3.8	24

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145	Circulation driven by observed surface thermohaline fields in a coarse resolution ocean general circulation model. Journal of Geophysical Research, 1994, 99, 10163.	3.3	23
146	Forcing of anthropogenic aerosols on temperature trends of the sub-thermocline southern Indian Ocean. Scientific Reports, 2013, 3, 2245.	3.3	23
147	Triggering the Indian Ocean Dipole From the Southern Hemisphere. Geophysical Research Letters, 2020, 47, e2020GL088648.	4.0	23
148	Future Southern Ocean warming linked to projected ENSO variability. Nature Climate Change, 2022, 12, 649-654.	18.8	23
149	Shoaling of the offâ€equatorial south Indian Ocean thermocline: Is it driven by anthropogenic forcing?. Geophysical Research Letters, 2008, 35, .	4.0	21
150	Estimating the Impact of Projected Climate Change on Runoff across the Tropical Savannas and Semiarid Rangelands of Northern Australia. Journal of Hydrometeorology, 2012, 13, 483-503.	1.9	21
151	The Association of Tropical and Extratropical Climate Modes to Atmospheric Blocking across Southeastern Australia. Journal of Climate, 2013, 26, 7555-7569.	3.2	21
152	Compensation for the NADW Outflow in a Global Ocean General Circulation Model. Journal of Physical Oceanography, 1995, 25, 226-241.	1.7	20
153	Dynamics of Late Spring Rainfall Reduction in Recent Decades over Southeastern China. Journal of Climate, 2009, 22, 2240-2247.	3.2	20
154	The response of the largeâ€scale ocean circulation to 20th century Asian and nonâ€Asian aerosols. Geophysical Research Letters, 2013, 40, 2761-2767.	4.0	20
155	Indo-Pacific Climate Interactions in the Absence of an Indonesian Throughflow. Journal of Climate, 2015, 28, 5017-5029.	3.2	20
156	Nonlinear processes reinforce extreme Indian Ocean Dipole events. Scientific Reports, 2015, 5, 11697.	3.3	20
157	Fourth CLIVAR Workshop on the Evaluation of ENSO Processes in Climate Models: ENSO in a Changing Climate. Bulletin of the American Meteorological Society, 2016, 97, 817-820.	3.3	20
158	Unveiling the dipole synergic effect of biogenic and anthropogenic emissions on ozone concentrations. Science of the Total Environment, 2022, 818, 151722.	8.0	20
159	Southern High-Latitude Ocean Climate Drift in a Coupled Model. Journal of Climate, 1999, 12, 132-146.	3.2	19
160	Impacts of increasing anthropogenic aerosols on the atmospheric circulation trends of the Southern Hemisphere: An airâ€sea positive feedback. Geophysical Research Letters, 2007, 34, .	4.0	19
161	Atmospheric Convection Dominates Genesis of ENSO Asymmetry. Geophysical Research Letters, 2019, 46, 8387-8396.	4.0	19
162	Change in strong Eastern Pacific El NiÃ±o events dynamics in the warming climate. Climate Dynamics, 2020, 54, 901-918.	3.8	19

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163	Strong ENSO Variability and a Super-ENSO Pair in the CSIRO Mark 3 Coupled Climate Model. Monthly Weather Review, 2003, 131, 1189-1210.	1.4	19
164	More-frequent extreme northward shifts of eastern Indian Ocean tropical convergence under greenhouse warming. Scientific Reports, 2014, 4, 6087.	3.3	18
165	Dynamics of changing impacts of tropical Indo-Pacific variability on Indian and Australian rainfall. Scientific Reports, 2016, 6, 31767.	3.3	18
166	Realism of modelled Indian summer monsoon correlation with the tropical Indo-Pacific affects projected monsoon changes. Scientific Reports, 2017, 7, 4929.	3.3	18
167	Nonlinear Meridional Moisture Advection and the <scp>ENSO</scp>â€Southern China Rainfall Teleconnection. Geophysical Research Letters, 2018, 45, 4353-4360.	4.0	18
168	Stronger Increase in the Frequency of Extreme Convective than Extreme Warm El NiÃ±o Events under Greenhouse Warming. Journal of Climate, 2020, 33, 675-690.	3.2	18
169	Evidence of local sea surface temperatures overriding the southeast Australian rainfall response to the 1997â€"1998 El NiÃ±o. Geophysical Research Letters, 2015, 42, 9449-9456.	4.0	17
170	A decadal tropical Pacific condition unfavorable to central Pacific El NiÃ±o. Geophysical Research Letters, 2017, 44, 7919-7926.	4.0	17
171	Influence of internal climate variability on Indian Ocean Dipole properties. Scientific Reports, 2018, 8, 13500.	3.3	17
172	Response of Southern China Winter Rainfall to El NiÃ±o Diversity and Its Relevance to Projected Southern China Rainfall Change. Journal of Climate, 2019, 32, 3343-3356.	3.2	17
173	Oceanic Processes in Ocean Temperature Products Key to a Realistic Presentation of Positive Indian Ocean Dipole Nonlinearity. Geophysical Research Letters, 2020, 47, e2020GL089396.	4.0	17
174	Are Anthropogenic Aerosols Responsible for the Northwest Australia Summer Rainfall Increase? A CMIP3 Perspective and Implications. Journal of Climate, 2011, 24, 2556-2564.	3.2	16
175	Mechanisms causing east Australian spring rainfall differences between three strong El NiÃ±o events. Climate Dynamics, 2019, 53, 3641-3659.	3.8	16
176	Two Types of ENSO Varying in Tandem Facilitated by Nonlinear Atmospheric Convection. Geophysical Research Letters, 2020, 47, e2020GL088784.	4.0	16
177	El NiÃ±o/Southern Oscillation inhibited by submesoscale ocean eddies. Nature Geoscience, 2022, 15, 112-117.	12.9	16
178	P-Vector inverse method evaluated using the modular ocean model (MOM). Journal of Oceanography, 1998, 54, 185-198.	1.7	15
179	Multidecadal fluctuations in the relationship between equatorial Pacific heat content anomalies and ENSO amplitude. Geophysical Research Letters, 2004, 31, .	4.0	15
180	How rare are the 2006â€"2008 positive Indian Ocean Dipole events? An IPCC AR4 climate model perspective. Geophysical Research Letters, 2009, 36, .	4.0	15

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181	The importance of the eastward zonal current for generating extreme El NiÃ±o. Climate Dynamics, 2014, 42, 3005-3014.	3.8	15
182	Institutional coordination of global ocean observations. Nature Climate Change, 2015, 5, 4-6.	18.8	15
183	Ocean Climate Drift and Interdecadal Oscillation Due to a Change in Thermal Damping. Journal of Climate, 1996, 9, 2821-2833.	3.2	14
184	Nonlinear Feedbacks Associated with the Indian Ocean Dipole and Their Response to Global Warming in the GFDL-ESM2M Coupled Climate Model. Journal of Climate, 2014, 27, 3904-3919.	3.2	14
185	Meridional variability of atmospheric convection associated with the Indian Ocean Dipole Mode. Scientific Reports, 2014, 4, 3590.	3.3	14
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