Wenju Cai

List of Publications by Citations

256 papers	14,883 citations	60 h-index	117 g-index
272 ext. papers	18,012 ext. citations	8 avg, IF	6.81 L-index

#	Paper	IF	Citations
256	Increasing frequency of extreme El Niño events due to greenhouse warming. *Nature Climate Change*, **2014**, 4, 111-116	21.4	1181
255	Recent intensification of wind-driven circulation in the Pacific and the ongoing warming hiatus. *Nature Climate Change*, **2014**, 4, 222-227	21.4	953
254	The impact of global warming on the tropical Pacific Ocean and El Niño. *Nature Geoscience*, **2010**, 3, 391-397	28.3	828
253	ENSO and greenhouse warming. *Nature Climate Change*, **2015**, 5, 849-859	21.4	441
252	Enhanced warming over the global subtropical western boundary currents. *Nature Climate Change*, **2012**, 2, 161-166	21.4	427
251	El Niño-Southern Oscillation complexity. *Nature*, **2018**, 559, 535-545	50.4	389
250	Increased frequency of extreme La Niña events under greenhouse warming. *Nature Climate Change* , **2015**, 5, 132-137	21.4	382
249	Weather conditions conducive to Beijing severe haze more frequent under climate change. *Nature Climate Change*, **2017**, 7, 257-262	21.4	357
248	Pacific western boundary currents and their roles in climate. *Nature*, **2015**, 522, 299-308	50.4	289
247	Teleconnection Pathways of ENSO and the IOD and the Mechanisms for Impacts on Australian Rainfall. *Journal of Climate*, **2011**, 24, 3910-3923	4.4	277
246	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	10.5	260
245	Increased variability of eastern Pacific El Niño under greenhouse warming. *Nature*, **2018**, 564, 201-206	50.4	254
244	Pantropical climate interactions. *Science*, **2019**, 363,	33.3	250
243	Increased frequency of extreme Indian Ocean Dipole events due to greenhouse warming. *Nature*, **2014**, 510, 254-8	50.4	213
242	The Defining Characteristics of ENSO Extremes and the Strong 2015/2016 El Niño. *Reviews of Geophysics*, **2017**, 55, 1079-1129	23.1	212
241	ENSO Atmospheric Teleconnections and Their Response to Greenhouse Gas Forcing. *Reviews of Geophysics*, **2018**, 56, 185-206	23.1	207
240	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,	4.9	193

239	Evidence of impacts from rising temperature on inflows to the Murray-Darling Basin. *Geophysical Research Letters*, **2008**, 35, n/a-n/a	4.9	161
238	Antarctic ozone depletion causes an intensification of the Southern Ocean super-gyre circulation. *Geophysical Research Letters*, **2006**, 33,	4.9	150
237	Positive Indian Ocean Dipole events precondition southeast Australia bushfires. *Geophysical Research Letters*, **2009**, 36,	4.9	147
236	Projected response of the Indian Ocean Dipole to greenhouse warming. *Nature Geoscience*, **2013**, 6, 999-1007	18.9	146
235	More extreme swings of the South Pacific convergence zone due to greenhouse warming. *Nature*, **2012**, 488, 365-9	50.4	140
234	Polar amplification dominated by local forcing and feedbacks. *Nature Climate Change*, **2018**, 8, 1076-1081	21.4	140
233	La Niña Modoki impacts Australia autumn rainfall variability. *Geophysical Research Letters*, **2009**, 36,	4.9	139
232	Recent unprecedented skewness towards positive Indian Ocean Dipole occurrences and its impact on Australian rainfall. *Geophysical Research Letters*, **2009**, 36,	4.9	136
231	The Response of the Antarctic Oscillation to Increasing and Stabilized Atmospheric CO2. *Journal of Climate*, **2003**, 16, 1525-1538	4.4	128
230	Climate impacts of the El Niño–Southern Oscillation on South America. *Nature Reviews Earth & Environment*, **2020**, 1, 215-231	30.2	125
229	Continued increase of extreme El Niño frequency long after 1.5 °C warming stabilization. *Nature Climate Change*, **2017**, 7, 568-572	21.4	125
228	Global Meteorological Drought: A Synthesis of Current Understanding with a Focus on SST Drivers of Precipitation Deficits. *Journal of Climate*, **2016**, 29, 3989-4019	4.4	118
227	Severe heat waves in Southern Australia: synoptic climatology and large scale connections. *Climate Dynamics*, **2012**, 38, 209-224	4.2	117
226	Asymmetry in ENSO Teleconnection with Regional Rainfall, Its Multidecadal Variability, and Impact. *Journal of Climate*, **2010**, 23, 4944-4955	4.4	117
225	Response of El Niño sea surface temperature variability to greenhouse warming. *Nature Climate Change*, **2014**, 4, 786-790	21.4	116
224	Statistical Modeling of Extreme Rainfall in Southwest Western Australia. *Journal of Climate*, **2005**, 18, 852-863	4.4	113
223	Historical change of El Niño properties sheds light on future changes of extreme El Niño. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22512-22517	11.5	111
222	Have Australian rainfall and cloudiness increased due to the remote effects of Asian anthropogenic aerosols?. *Journal of Geophysical Research*, **2007**, 112,		111

221	Trends in Southern Hemisphere Circulation in IPCC AR4 Models over 1950–99: Ozone Depletion versus Greenhouse Forcing. *Journal of Climate*, **2007**, 20, 681-693	4.4	103
220	Atlantic meridional overturning circulation and the Southern Hemisphere supergyre. *Geophysical Research Letters*, **2007**, 34, n/a-n/a	4.9	100
219	An Asymmetry in the IOD and ENSO Teleconnection Pathway and Its Impact on Australian Climate. *Journal of Climate*, **2012**, 25, 6318-6329	4.4	98
218	Late-twentieth-century emergence of the El Niño propagation asymmetry and future projections. *Nature*, **2013**, 504, 126-30	50.4	97
217	ENSO stability in coupled climate models and its association with mean state. *Climate Dynamics*, **2014**, 42, 3313-3321	4.2	94
216	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	3.5	94
215	Why is the amplitude of the Indian Ocean Dipole overly large in CMIP3 and CMIP5 climate models?. *Geophysical Research Letters*, **2013**, 40, 1200-1205	4.9	92
214	Rainfall reductions over Southern Hemisphere semi-arid regions: the role of subtropical dry zone expansion. *Scientific Reports*, **2012**, 2, 702	4.9	91
213	Dynamics of late autumn rainfall reduction over southeastern Australia. *Geophysical Research Letters*, **2008**, 35,	4.9	91
212	Unraveling El Niño's impact on the East Asian Monsoon and Yangtze River summer flooding. *Geophysical Research Letters*, **2016**, 43, 11,375	4.9	89
211	SAM and regional rainfall in IPCC AR4 models: Can anthropogenic forcing account for southwest Western Australian winter rainfall reduction?. *Geophysical Research Letters*, **2006**, 33,	4.9	86
210	A New Type of the Indian Ocean Dipole since the Mid-1970s. *Journal of Climate*, **2013**, 26, 959-972	4.4	83
209	Influence of climate variability on seasonal extremes over Australia. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 643-654	4.4	77
208	The Southwest Pacific Ocean circulation and climate experiment (SPICE). *Journal of Geophysical Research: Oceans*, **2014**, 119, 7660-7686	3.3	75
207	Gravity currents and the release of salt from an inverse estuary. *Nature*, **1987**, 327, 695-697	50.4	75
206	The 2011 southeast Queensland extreme summer rainfall: A confirmation of a negative Pacific Decadal Oscillation phase?. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	71
205	Modes of Interannual Variability of the Southern Hemisphere Circulation Simulated by the CSIRO Climate Model. *Journal of Climate*, **2002**, 15, 1159-1174	4.4	68
204	Interactions of ENSO, the IOD, and the SAM in CMIP3 Models. *Journal of Climate*, **2011**, 24, 1688-1704	4.4	67

203	Transmission of ENSO signal to the Indian Ocean. *Geophysical Research Letters*, **2005**, 32,	4.9	67
202	The impact of Asian and non-Asian anthropogenic aerosols on 20th century Asian summer monsoon. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	66
201	Sensitivity of a World Ocean GCM to Changes in Subsurface Mixing Parameterization. *Journal of Physical Oceanography*, **1994**, 24, 1256-1279	2.4	66
200	Rising temperature depletes soil moisture and exacerbates severe drought conditions across southeast Australia. *Geophysical Research Letters*, **2009**, 36,	4.9	65
199	Changes in South Pacific rainfall bands in a warming climate. *Nature Climate Change*, **2013**, 3, 417-423	21.4	64
198	Variability and Trend of North West Australia Rainfall: Observations and Coupled Climate Modeling. *Journal of Climate*, **2008**, 21, 2938-2959	4.4	64
197	Indian Ocean Dipolelike Variability in the CSIRO Mark 3 Coupled Climate Model. *Journal of Climate*, **2005**, 18, 1449-1468	4.4	62
196	Tropical Pacific SST Drivers of Recent Antarctic Sea Ice Trends. *Journal of Climate*, **2016**, 29, 8931-8948	4.4	59
195	Did Climate Change-Induced Rainfall Trends Contribute to the Australian Millennium Drought?. *Journal of Climate*, **2014**, 27, 3145-3168	4.4	59
194	Realism of the Indian Ocean Dipole in CMIP5 Models: The Implications for Climate Projections. *Journal of Climate*, **2013**, 26, 6649-6659	4.4	56
193	Southeast Australia Autumn Rainfall Reduction: A Climate-Change-Induced Poleward Shift of Ocean–Atmosphere Circulation. *Journal of Climate*, **2013**, 26, 189-205	4.4	55
192	Impact of Indo-Pacific Feedback Interactions on ENSO Dynamics Diagnosed Using Ensemble Climate Simulations. *Journal of Climate*, **2012**, 25, 7743-7763	4.4	55
191	Forcing of the Antarctic Circumpolar Wave by El Niño-Southern Oscillation teleconnections. *Journal of Geophysical Research*, **2001**, 106, 9019-9038		54
190	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	4.4	54
189	Rainfall Teleconnections with Indo-Pacific Variability in the WCRP CMIP3 Models. *Journal of Climate* , **2009**, 22, 5046-5071	4.4	53
188	Attribution of Anthropogenic Influence on Atmospheric Patterns Conducive to Recent Most Severe Haze Over Eastern China. *Geophysical Research Letters*, **2018**, 45, 2072-2081	4.9	52
187	Simulations of Processes Associated with the Fast Warming Rate of the Southern Midlatitude Ocean. *Journal of Climate*, **2010**, 23, 197-206	4.4	52
186	Evidence for link between modelled trends in Antarctic sea ice and underestimated westerly wind changes. *Nature Communications*, **2016**, 7, 10409	17.4	52

185	The asymmetric influence of the positive and negative IOD events on China's rainfall. *Scientific Reports*, **2014**, 4, 4943	4.9	49
184	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	11.5	47
183	Climate change contributes to more frequent consecutive positive Indian Ocean Dipole events. *Geophysical Research Letters*, **2009**, 36,	4.9	47
182	An Observation-Based Assessment of Nonlinear Feedback Processes Associated with the Indian Ocean Dipole. *Journal of Climate*, **2013**, 26, 2880-2890	4.4	45
181	Human-caused Indo-Pacific warm pool expansion. *Science Advances*, **2016**, 2, e1501719	14.3	44
180	Groundwater storage trends in the Loess Plateau of China estimated from streamflow records. *Journal of Hydrology*, **2015**, 530, 281-290	6	44
179	Fluctuations of the relationship between ENSO and northeast Australian rainfall. *Climate Dynamics*, **2001**, 17, 421-432	4.2	44
178	Future extreme sea level seesaws in the tropical Pacific. *Science Advances*, **2015**, 1, e1500560	14.3	43
177	Climate-change impact on the 20th-century relationship between the Southern Annular Mode and global mean temperature. *Scientific Reports*, **2013**, 3, 2039	4.9	43
176	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	4.9	40
175	Long-term streamflow trends in the middle reaches of the Yellow River Basin: detecting drivers of change. *Hydrological Processes*, **2016**, 30, 1315-1329	3.3	40
174	On the Response of the Aleutian Low to Greenhouse Warming. *Journal of Climate*, **2017**, 30, 3907-3925	4.4	38
173	Anthropogenic Aerosols Cause Recent Pronounced Weakening of Asian Summer Monsoon Relative to Last Four Centuries. *Geophysical Research Letters*, **2019**, 46, 5469-5479	4.9	38
172	Tropical climate variability: interactions across the Pacific, Indian, and Atlantic Oceans. *Climate Dynamics*, **2017**, 48, 2173-2190	4.2	38
171	Argo profiles variability of barrier layer in the tropical Indian Ocean and its relationship with the Indian Ocean Dipole. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	38
170	An interpretation of Australian rainfall projections. *Geophysical Research Letters*, **2008**, 35,	4.9	37
169	Robust contribution of decadal anomalies to the frequency of central-Pacific El Niño. *Scientific Reports*, **2016**, 6, 38540	4.9	37
168	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	4.9	36

167	Synchronicity of Kuroshio Current and climate system variability since the Last Glacial Maximum. *Earth and Planetary Science Letters*, **2016**, 452, 247-257	5.3	36
166	Influence of Global-Scale Variability on the Subtropical Ridge over Southeast Australia. *Journal of Climate*, **2011**, 24, 6035-6053	4.4	35
165	Evidence for a time-varying pattern of Greenhouse warming in the Pacific Ocean. *Geophysical Research Letters*, **2000**, 27, 2577-2580	4.9	35
164	Seesaw haze pollution in North China modulated by the sub-seasonal variability of atmospheric circulation. *Atmospheric Chemistry and Physics*, **2019**, 19, 565-576	6.8	34
163	Argo profiles a rare occurrence of three consecutive positive Indian Ocean Dipole events, 2006–2008. *Geophysical Research Letters*, **2009**, 36,	4.9	34
162	Multidecadal variability in the transmission of ENSO signals to the Indian Ocean. *Geophysical Research Letters*, **2007**, 34,	4.9	33
161	Pan-oceanic response to increasing anthropogenic aerosols: Impacts on the Southern Hemisphere oceanic circulation. *Geophysical Research Letters*, **2006**, 33,	4.9	33
160	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		33
159	Indian Ocean Dipole in CMIP5 and CMIP6: characteristics, biases, and links to ENSO. *Scientific Reports*, **2020**, 10, 11500	4.9	33
158	Deep-reaching acceleration of global mean ocean circulation over the past two decades. *Science Advances*, **2020**, 6, eaax7727	14.3	32
157	Autumn Precipitation Trends over Southern Hemisphere Midlatitudes as Simulated by CMIP5 Models. *Journal of Climate*, **2013**, 26, 8341-8356	4.4	32
156	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	4.4	31
155	Stabilised frequency of extreme positive Indian Ocean Dipole under 1.5 °C warming. *Nature Communications*, **2018**, 9, 1419	17.4	30
154	Atmospheric and Oceanic Conditions Associated with Southern Australian Heat Waves: A CMIP5 Analysis. *Journal of Climate*, **2014**, 27, 7807-7829	4.4	30
153	Thermocline Warming Induced Extreme Indian Ocean Dipole in 2019. *Geophysical Research Letters*, **2020**, 47, e2020GL090079	4.9	30
152	The role of the SST-thermocline relationship in Indian Ocean Dipole skewness and its response to global warming. *Scientific Reports*, **2014**, 4, 6034	4.9	29
151	The Role of the Indonesian Throughflow on ENSO Dynamics in a Coupled Climate Model. *Journal of Climate*, **2011**, 24, 585-601	4.4	29
150	Analysis of an Interactive Instability Mechanism for the Antarctic Circumpolar Wave. *Journal of Climate*, **2000**, 13, 1831-1844	4.4	29

149	An Interhemispheric Tropical Sea Level Seesaw due to El Niño Taimasa. *Journal of Climate*, **2014**, 27, 1070-1081	4.4	27
148	New Strategies for Evaluating ENSO Processes in Climate Models. *Bulletin of the American Meteorological Society*, **2012**, 93, 235-238	6.1	27
147	Opposite response of strong and moderate positive Indian Ocean Dipole to global warming. *Nature Climate Change*, **2021**, 11, 27-32	21.4	27
146	Impacts of precipitation and temperature changes on annual streamflow in the Murray Darling Basin. *Water International*, **2010**, 35, 313-323	2.4	26
145	Anthropogenic aerosol forcing and the structure of temperature trends in the southern Indian Ocean. *Geophysical Research Letters*, **2007**, 34,	4.9	26
144	Changing El Niño Southern Oscillation in a warming climate. *Nature Reviews Earth & Environment*, **2021**, 2, 628-644	30.2	26
143	Weakening Atlantic Niño-Pacific connection under greenhouse warming. *Science Advances*, **2019**, 5, eaax4111	14.1	25
142	Simulation of the Indian Ocean Dipole: A relevant criterion for selecting models for climate projections. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	25
141	The Pacific Decadal Oscillation less predictable under greenhouse warming. *Nature Climate Change*, **2020**, 10, 30-34	21.4	25
140	Impacts of Broad-Scale Surface Freshening of the Southern Ocean in a Coupled Climate Model. *Journal of Climate*, **2018**, 31, 2613-2632	4.4	24
139	Extreme swings of the South Pacific Convergence Zone and the different types of El Niño events. *Geophysical Research Letters*, **2014**, 41, 4695-4703	4.9	24
138	A Time-Varying Greenhouse Warming Pattern and the Tropical Extratropical Circulation Linkage in the Pacific Ocean. *Journal of Climate*, **2001**, 14, 3337-3355	4.4	24
137	Decadal climate variability in the tropical Pacific: Characteristics, causes, predictability, and prospects. *Science*, **2021**, 374, eaay9165	33.3	24
136	Global Warming Attenuates the Tropical Atlantic-Pacific Teleconnection. *Scientific Reports*, **2016**, 6, 20078	4.9	23
135	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	4.4	22
134	Austral Summer Teleconnections of Indo-Pacific Variability: Their Nonlinearity and Impacts on Australian Climate. *Journal of Climate*, **2013**, 26, 2796-2810	4.4	22
133	Modes of SST variability and the fluctuation of global mean temperature. *Climate Dynamics*, **2001**, 17, 889-901	4.2	22
132	Resolution dependence of the simulated precipitation and diurnal cycle over the Maritime Continent. *Climate Dynamics*, **2017**, 48, 4009-4028	4.2	21

131	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	4.4	20
130	Forcing of anthropogenic aerosols on temperature trends of the sub-thermocline southern Indian Ocean. *Scientific Reports*, **2013**, 3, 2245	4.9	20
129	Surface heat flux parameterizations and the variability of thermohaline circulation. *Journal of Geophysical Research*, **1995**, 100, 10679		20
128	A Unique Feature of the 2019 Extreme Positive Indian Ocean Dipole Event. *Geophysical Research Letters*, **2020**, 47, e2020GL088615	4.9	20
127	ENSO Atmospheric Teleconnections. *Geophysical Monograph Series*, **2020**, 309-335	1.1	20
126	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	6.1	19
125	Shoaling of the off-equatorial south Indian Ocean thermocline: Is it driven by anthropogenic forcing?. *Geophysical Research Letters*, **2008**, 35, n/a-n/a	4.9	19
124	Butterfly effect and a self-modulating El Niño response to global warming. *Nature*, **2020**, 585, 68-73	50.4	19
123	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	3.3	18
122	The Association of Tropical and Extratropical Climate Modes to Atmospheric Blocking across Southeastern Australia. *Journal of Climate*, **2013**, 26, 7555-7569	4.4	18
121	Compensation for the NADW Outflow in a Global Ocean General Circulation Model. *Journal of Physical Oceanography*, **1995**, 25, 226-241	2.4	18
120	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	2.4	18
119	Definition of Extreme El Niño and Its Impact on Projected Increase in Extreme El Niño Frequency. *Geophysical Research Letters*, **2017**, 44, 11,184	4.9	17
118	Low-Frequency Variability and the Unusual Indian Ocean Dipole Events in 2015 and 2016. *Geophysical Research Letters*, **2018**, 45, 1040-1048	4.9	17
117	The response of the large-scale ocean circulation to 20th century Asian and non-Asian aerosols. *Geophysical Research Letters*, **2013**, 40, 2761-2767	4.9	17
116	Impacts of increasing anthropogenic aerosols on the atmospheric circulation trends of the Southern Hemisphere: An air-sea positive feedback. *Geophysical Research Letters*, **2007**, 34, n/a-n/a	4.9	17
115	Strong ENSO Variability and a Super-ENSO Pair in the CSIRO Mark 3 Coupled Climate Model. *Monthly Weather Review*, **2003**, 131, 1189-1210	2.4	16
114	ENSO Diversity. *Geophysical Monograph Series*, **2020**, 65-86	1.1	16

113	Dynamics of Late Spring Rainfall Reduction in Recent Decades over Southeastern China. *Journal of Climate*, **2009**, 22, 2240-2247	4.4	15
112	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	3.7	15
111	Indo-Pacific Climate Interactions in the Absence of an Indonesian Throughflow. *Journal of Climate*, **2015**, 28, 5017-5029	4.4	14
110	A decadal tropical Pacific condition unfavorable to central Pacific El Niño. *Geophysical Research Letters*, **2017**, 44, 7919-7926	4.9	14
109	Are Anthropogenic Aerosols Responsible for the Northwest Australia Summer Rainfall Increase? A CMIP3 Perspective and Implications. *Journal of Climate*, **2011**, 24, 2556-2564	4.4	14
108	Southern High-Latitude Ocean Climate Drift in a Coupled Model. *Journal of Climate*, **1999**, 12, 132-146	4.4	14
107	Circulation driven by observed surface thermohaline fields in a coarse resolution ocean general circulation model. *Journal of Geophysical Research*, **1994**, 99, 10163		14
106	Two-year consecutive concurrences of positive Indian Ocean Dipole and Central Pacific El Niño preconditioned the 2019/2020 Australian "black summer" bushfires. *Geoscience Letters*, **2020**, 7,	3.5	14
105	The Effect of Strong Volcanic Eruptions on ENSO. *Geophysical Monograph Series*, **2020**, 267-287	1.1	14
104	Nonlinear processes reinforce extreme Indian Ocean Dipole events. *Scientific Reports*, **2015**, 5, 11697	4.9	13
103	More-frequent extreme northward shifts of eastern Indian Ocean tropical convergence under greenhouse warming. *Scientific Reports*, **2014**, 4, 6087	4.9	13
102	Dynamics of changing impacts of tropical Indo-Pacific variability on Indian and Australian rainfall. *Scientific Reports*, **2016**, 6, 31767	4.9	13
101	Realism of modelled Indian summer monsoon correlation with the tropical Indo-Pacific affects projected monsoon changes. *Scientific Reports*, **2017**, 7, 4929	4.9	13
100	Multidecadal fluctuations in the relationship between equatorial Pacific heat content anomalies and ENSO amplitude. *Geophysical Research Letters*, **2004**, 31,	4.9	13
99	Ocean Climate Drift and Interdecadal Oscillation Due to a Change in Thermal Damping. *Journal of Climate*, **1996**, 9, 2821-2833	4.4	12
98	Upwelling in the Taiwan Strait in response to wind stress, ocean circulation and topography. *Estuarine, Coastal and Shelf Science*, **1988**, 26, 15-31	2.9	12
97	Changing Lengths of the Four Seasons by Global Warming. *Geophysical Research Letters*, **2021**, 48, e2020GL091753	4.9	12
96	Nonlinear Meridional Moisture Advection and the ENSO-Southern China Rainfall Teleconnection. *Geophysical Research Letters*, **2018**, 45, 4353-4360	4.9	11

95	Evidence of local sea surface temperatures overriding the southeast Australian rainfall response to the 1997–1998 El Niño. *Geophysical Research Letters*, **2015**, 42, 9449-9456	4.9	11
94	Meridional variability of atmospheric convection associated with the Indian Ocean Dipole Mode. *Scientific Reports*, **2014**, 4, 3590	4.9	11
93	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	4.4	11
92	How rare are the 2006–2008 positive Indian Ocean Dipole events? An IPCC AR4 climate model perspective. *Geophysical Research Letters*, **2009**, 36,	4.9	11
91	Influence of internal climate variability on Indian Ocean Dipole properties. *Scientific Reports*, **2018**, 8, 13500	4.9	11
90	Mechanisms causing east Australian spring rainfall differences between three strong El Niño events. *Climate Dynamics*, **2019**, 53, 3641-3659	4.2	10
89	Response of a Global Coupled Ocean–Atmosphere–Sea Ice Climate Model to an Imposed North Atlantic High-Latitude Freshening. *Journal of Climate*, **1997**, 10, 929-948	4.4	10
88	Present-day zonal wind influences projected Indian Ocean Dipole skewness. *Geophysical Research Letters*, **2016**, 43, 11,392	4.9	10
87	Stronger Increase in the Frequency of Extreme Convective than Extreme Warm El Niño Events under Greenhouse Warming. *Journal of Climate*, **2020**, 33, 675-690	4.4	10
86	A spurious positive Indian Ocean Dipole in 2017. *Science Bulletin*, **2018**, 63, 1170-1172	10.6	10
85	Response of Southern China Winter Rainfall to El Niño Diversity and Its Relevance to Projected Southern China Rainfall Change. *Journal of Climate*, **2019**, 32, 3343-3356	4.4	9
84	Variability of the Subantarctic Mode Water Volume in the South Indian Ocean During 2004–2018. *Geophysical Research Letters*, **2020**, 47, e2020GL087830	4.9	9
83	Human Contribution to the 2014 Record High Sea Surface Temperatures Over the Western Tropical And Northeast Pacific Ocean. *Bulletin of the American Meteorological Society*, **2015**, 96, S100-S104	6.1	9
82	Indo-Pacific–Induced Wave Trains during Austral Autumn and Their Effect on Australian Rainfall. *Journal of Climate*, **2014**, 27, 3208-3221	4.4	9
81	The importance of the eastward zonal current for generating extreme El Niño. *Climate Dynamics*, **2014**, 42, 3005-3014	4.2	9
80	P-Vector inverse method evaluated using the modular ocean model (MOM). *Journal of Oceanography*, **1998**, 54, 185-198	1.9	9
79	The Stability of NADMF under Mixed Boundary Conditions with an Improved Diagnosed Freshwater Flux. *Journal of Physical Oceanography*, **1996**, 26, 1081-1087	2.4	9
78	Interdecadal Variability Driven by Mismatch between Surface Flux Forcing and Oceanic Freshwater/Heat Transport. *Journal of Physical Oceanography*, **1995**, 25, 2643-2666	2.4	9

77	Triggering the Indian Ocean Dipole From the Southern Hemisphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088648	4.9	9
76	Tropical teleconnection impacts on Antarctic climate changes. *Nature Reviews Earth & Environment*, **2021**, 2, 680-698	30.2	9
75	Enhanced North Pacific impact on El Niño/Southern Oscillation under greenhouse warming. *Nature Climate Change*, **2021**, 11, 840-847	21.4	9
74	Intensification of El Niño Rainfall Variability Over the Tropical Pacific in the Slow Oceanic Response to Global Warming. *Geophysical Research Letters*, **2019**, 46, 2253-2260	4.9	8
73	MEETING SUMMARIES. *Bulletin of the American Meteorological Society*, **2015**, 96, 1969-1972	6.1	8
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