Matthew England

List of Publications by Year
in descending order

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252 papers	18,410 citations	12303 69 h-index	15218 126 g-index
287 all docs	287 docs citations	287 times ranked	15440 citing authors

#	Article	IF	Citations
1	Indonesian Throughflow Variability and Linkage to ENSO and IOD in an Ensemble of CMIP5 Models. Journal of Climate, 2022, 35, 3161-3178.	1.2	10
2	Propagation of barotropic Kelvin waves around Antarctica. Ocean Dynamics, 2022, 72, 405-419.	0.9	1
3	Interbasin and interhemispheric impacts of a collapsed Atlantic Overturning Circulation. Nature Climate Change, 2022, 12, 558-565.	8.1	26
4	Climatology, Seasonality, and Trends of Spatially Coherent Ocean Eddies. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	10
5	A New Zonal Wave-3 Index for the Southern Hemisphere. Journal of Climate, 2022, 35, 5137-5149.	1.2	6
6	Atlantic and Pacific tropics connected by mutually interactive decadal-timescale processes. Nature Geoscience, 2021, 14, 36-42.	5.4	76
7	Generation of the Amundsen Sea Low by Antarctic Orography. Geophysical Research Letters, 2021, 48, e2020GL091487.	1.5	15
8	Seasonal and Interannual Variability of the Subtropical Front in the New Zealand Region. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016412.	1.0	11
9	Historical and Projected Changes in the Southern Hemisphere Surface Westerlies. Geophysical Research Letters, 2021, 48, e2020GL090849.	1.5	57
10	Transient Response of the Southern Ocean to Idealized Wind and Thermal Forcing across Different Model Resolutions. Journal of Climate, 2021, 34, 5477-5496.	1.2	4
11	Interbasin Differences in Ocean Ventilation in Response to Variations in the Southern Annular Mode. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016540.	1.0	2
12	Global changes in oceanic mesoscale currents over the satellite altimetry record. Nature Climate Change, 2021, 11, 397-403.	8.1	80
13	Initialized Earth System prediction from subseasonal to decadal timescales. Nature Reviews Earth & Environment, 2021, 2, 340-357.	12.2	85
14	Planetary-wave induced strengthening of the AMOC forced by poleward intensified Southern Hemisphere westerly winds. Journal of Climate, 2021, , 1-45.	1.2	2
15	Historical and Future Projected Warming of Antarctic Shelf Bottom Water in CMIP6 Models. Geophysical Research Letters, 2021, 48, e2021GL092752.	1.5	34
16	CMIP5 Intermodel Relationships in the Baseline Southern Ocean Climate System and With Future Projections. Earth's Future, 2021, 9, e2020EF001873.	2.4	18
17	The Geography of Numerical Mixing in a Suite of Global Ocean Models. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002333.	1.3	13
18	The Origin and Fate of Subantarctic Mode Water in the Southern Ocean. Journal of Physical Oceanography, 2021, , .	0.7	9

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19	Zonal wave 3 pattern in the Southern Hemisphere generated by tropical convection. Nature Geoscience, 2021, 14, 732-738.	5.4	15
20	The Ekman Streamfunction and the Eulerian and Residual Overturning Circulations of the Southern Ocean. Geophysical Research Letters, 2021, 48, e2021GL093438.	1.5	2
21	Residence Time and Transformation of Warm Circumpolar Deep Water on the Antarctic Continental Shelf. Geophysical Research Letters, 2021, 48, e2021GL096092.	1.5	9
22	The Role of Coupled Feedbacks in the Decadal Variability of the Southern Hemisphere Eddyâ€Driven Jet. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035023.	1.2	3
23	Seasonal and Interannual Variability of the Weddell Gyre From a Highâ€Resolution Global Oceanâ€Sea Ice Simulation During 1958â€“2018. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017662.	1.0	10
24	Response of Southern Hemisphere Western Boundary Current Regions to Future Zonally Symmetric and Asymmetric Atmospheric Changes. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017858.	1.0	4
25	Projected late 21st century changes to the regional impacts of the El NiÃ±o-Southern Oscillation. Climate Dynamics, 2020, 54, 395-412.	1.7	15
26	Late 20th Century Indian Ocean Heat Content Gain Masked by Wind Forcing. Geophysical Research Letters, 2020, 47, e2020GL088692.	1.5	10
27	Tropical Indoâ€Pacific Teleconnections to Southern Ocean Mixed Layer Variability. Geophysical Research Letters, 2020, 47, e2020GL088466.	1.5	7
28	Warm Circumpolar Deep Water transport toward Antarctica driven by local dense water export in canyons. Science Advances, 2020, 6, eaav2516.	4.7	68
29	Palaeoclimate perspectives on the Indian Ocean Dipole. Quaternary Science Reviews, 2020, 237, 106302.	1.4	60
30	Role of Tropical Variability in Driving Decadal Shifts in the Southern Hemisphere Summertime Eddy-Driven Jet. Journal of Climate, 2020, 33, 5445-5463.	1.2	27
31	ACCESS-OM2 v1.0: a global oceanâ€“sea ice model at three resolutions. Geoscientific Model Development, 2020, 13, 401-442.	1.3	91
32	Coupling of Indo-Pacific climate variability over the last millennium. Nature, 2020, 579, 385-392.	13.7	116
33	Surface Ocean Warming Around Australia Driven by Interannual Variability and Longâ€Term Trends in Southern Hemisphere Westerlies. Geophysical Research Letters, 2020, 47, e2019GL086605.	1.5	15
34	Response of the Southern Ocean Overturning Circulation to Extreme Southern Annular Mode Conditions. Geophysical Research Letters, 2020, 47, e2020GL091103.	1.5	3
35	Key Role of Diabatic Processes in Regulating Warm Water Volume Variability over ENSO Events. Journal of Climate, 2020, 33, 9945-9964.	1.2	11
36	Contribution of tropical instability waves to ENSO irregularity. Climate Dynamics, 2019, 52, 1837-1855.	1.7	17

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37	Alongâ€Slope Variability of Crossâ€Slope Eddy Transport in East Antarctica. Geophysical Research Letters, 2019, 46, 8224-8233.	1.5	11
38	Reply to â€œComments on â€˜Diathermal Heat Transport in a Global Ocean Modelâ€™â€•. Journal of Physical Oceanography, 2019, 49, 2195-2197.	0.7	3
39	Seasonal-to-Interannual Response of Southern Ocean Mixed Layer Depth to the Southern Annular Mode from a Global 1/10Â° Ocean Model. Journal of Climate, 2019, 32, 6177-6195.	1.2	5
40	Projected Slowdown of Antarctic Bottom Water Formation in Response to Amplified Meltwater Contributions. Journal of Climate, 2019, 32, 6319-6335.	1.2	42
41	Global Mean Surface Temperature Response to Largeâ€Scale Patterns of Variability in Observations and CMIP5. Geophysical Research Letters, 2019, 46, 2232-2241.	1.5	24
42	Response of Southern Ocean Ventilation to Changes in Midlatitude Westerly Winds. Journal of Climate, 2019, 32, 5345-5361.	1.2	23
43	Tropical Teleconnections to Antarctic Sea Ice During Austral Spring 2016 in Coupled Pacemaker Experiments. Geophysical Research Letters, 2019, 46, 6848-6858.	1.5	42
44	Uncertainty in near-term global surface warming linked to tropical Pacific climate variability. Nature Communications, 2019, 10, 1990.	5.8	19
45	Barotropic Kelvin Waveâ€Induced Bottom Boundary Layer Warming Along the West Antarctic Peninsula. Journal of Geophysical Research: Oceans, 2019, 124, 1595-1615.	1.0	17
46	Challenges and Prospects in Ocean Circulation Models. Frontiers in Marine Science, 2019, 6, .	1.2	133
47	Decadal predictability of temperature and precipitation means and extremes in a perfect-model experiment. Climate Dynamics, 2019, 53, 3711-3729.	1.7	5
48	A Framework to Determine the Limits of Achievable Skill for Interannual to Decadal Climate Predictions. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2882-2896.	1.2	4
49	Atlantic Ocean Heat Transport Enabled by Indoâ€Pacific Heat Uptake and Mixing. Geophysical Research Letters, 2019, 46, 13939-13949.	1.5	16
50	Reduction in surface climate change achieved by the 1987 Montreal Protocol. Environmental Research Letters, 2019, 14, 124041.	2.2	35
51	Diathermal Heat Transport in a Global Ocean Model. Journal of Physical Oceanography, 2019, 49, 141-161.	0.7	40
52	Dynamics and Predictability of El NiÃ±oâ€“Southern Oscillation: An Australian Perspective on Progress and Challenges. Bulletin of the American Meteorological Society, 2019, 100, 403-420.	1.7	46
53	Impacts of Broad-Scale Surface Freshening of the Southern Ocean in a Coupled Climate Model. Journal of Climate, 2018, 31, 2613-2632.	1.2	43
54	Distinctive role of ocean advection anomalies in the development of the extreme 2015â€“16 El NiÃ±o. Climate Dynamics, 2018, 51, 2191-2208.	1.7	14

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55	On the Choice of Ensemble Mean for Estimating the Forced Signal in the Presence of Internal Variability. Journal of Climate, 2018, 31, 5681-5693.	1.2	48
56	The Role of the New Zealand Plateau in the Tasman Sea Circulation and Separation of the East Australian Current. Journal of Geophysical Research: Oceans, 2018, 123, 1457-1470.	1.0	13
57	Model under-representation of decadal Pacific trade wind trends and its link to tropical Atlantic bias. Climate Dynamics, 2018, 50, 1471-1484.	1.7	41
58	Role of Pacific trade winds in driving ocean temperatures during the recent slowdown and projections under a wind trend reversal. Climate Dynamics, 2018, 51, 321-336.	1.7	27
59	Intercomparison of Antarctic ice-shelf, ocean, and sea-ice interactions simulated by MetROMS-iceshelf and FESOM 1.4. Geoscientific Model Development, 2018, 11, 1257-1292.	1.3	30
60	Model tropical Atlantic biases underpin diminished Pacific decadal variability. Nature Climate Change, 2018, 8, 493-498.	8.1	92
61	Southern Hemisphere westerlies as a driver of the early deglacial atmospheric CO2 rise. Nature Communications, 2018, 9, 2503.	5.8	107
62	Future Projections of Antarctic Ice Shelf Melting Based on CMIP5 Scenarios. Journal of Climate, 2018, 31, 5243-5261.	1.2	62
63	Choosing the future of Antarctica. Nature, 2018, 558, 233-241.	13.7	172
64	Causes of differences in model and satellite tropospheric warming rates. Nature Geoscience, 2017, 10, 478-485.	5.4	40
65	Vertical resolution of baroclinic modes in global ocean models. Ocean Modelling, 2017, 113, 50-65.	1.0	71
66	Analysis of the Southward Wind Shift of ENSO in CMIP5 Models. Journal of Climate, 2017, 30, 2415-2435.	1.2	10
67	Comparison of Low-Frequency Internal Climate Variability in CMIP5 Models and Observations. Journal of Climate, 2017, 30, 4763-4776.	1.2	53
68	Localized rapid warming of West Antarctic subsurface waters by remote winds. Nature Climate Change, 2017, 7, 595-603.	8.1	91
69	Spurious sea ice formation caused by oscillatory ocean tracer advection schemes. Ocean Modelling, 2017, 116, 108-117.	1.0	17
70	Wind Forced Variability in Eddy Formation, Eddy Shedding, and the Separation of the East Australian Current. Journal of Geophysical Research: Oceans, 2017, 122, 9980-9998.	1.0	32
71	Reply to â€œComment on â€˜Comparison of Low-Frequency Internal Climate Variability in CMIP5 Models and Observationsâ€™â€•. Journal of Climate, 2017, 30, 9773-9782.	1.2	3
72	Iceâ€“Atmosphere Feedbacks Dominate the Response of the Climate System to Drake Passage Closure. Journal of Climate, 2017, 30, 5775-5790.	1.2	15

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73	Poorly ventilated deep ocean at the Last Glacial Maximum inferred from carbon isotopes: A dataâ€model comparison study. Paleoceanography, 2017, 32, 2-17.	3.0	85
74	Tropical climate variability: interactions across the Pacific, Indian, and Atlantic Oceans. Climate Dynamics, 2017, 48, 2173-2190.	1.7	56
75	Future Changes to El NiÃ±oâ€“Southern Oscillation Temperature and Precipitation Teleconnections. Geophysical Research Letters, 2017, 44, 10,608.	1.5	50
76	The effect of low ancient greenhouse climate temperature gradients on the ocean's overturning circulation. Climate of the Past, 2016, 12, 543-552.	1.3	4
77	Can Australian Multiyear Droughts and Wet Spells Be Generated in the Absence of Oceanic Variability?. Journal of Climate, 2016, 29, 6201-6221.	1.2	16
78	Different controls of tropical cyclone activity in the Eastern Pacific for two types of El NiÃ±o. Geophysical Research Letters, 2016, 43, 1679-1686.	1.5	15
79	Evidence for link between modelled trends in Antarctic sea ice and underestimated westerly wind changes. Nature Communications, 2016, 7, 10409.	5.8	77
80	Assessing recent trends in high-latitude Southern Hemisphere surface climate. Nature Climate Change, 2016, 6, 917-926.	8.1	253
81	Global linkages originating from decadal oceanic variability in the subpolar North Atlantic. Geophysical Research Letters, 2016, 43, 10,909.	1.5	25
82	Tropical Pacific SST Drivers of Recent Antarctic Sea Ice Trends. Journal of Climate, 2016, 29, 8931-8948.	1.2	82
83	Influence of Oceanic Intraseasonal Kelvin Waves on Eastern Pacific Hurricane Activity. Journal of Climate, 2016, 29, 7941-7955.	1.2	11
84	Modes of hurricane activity variability in the eastern Pacific: Implications for the 2016 season. Geophysical Research Letters, 2016, 43, 11,358.	1.5	9
85	Troposphereâ€stratosphere dynamical coupling in the southern high latitudes and its linkage to the Amundsen Sea. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3776-3789.	1.2	8
86	Influence of tropical wind on global temperature from months to decades. Climate Dynamics, 2016, 47, 2193-2203.	1.7	11
87	Predictability of the recent slowdown and subsequent recovery of largeâ€scale surface warming using statistical methods. Geophysical Research Letters, 2016, 43, 3459-3467.	1.5	14
88	Making sense of the early-2000s warming slowdown. Nature Climate Change, 2016, 6, 224-228.	8.1	333
89	Truth table invariant cylindrical algebraic decomposition. Journal of Symbolic Computation, 2016, 76, 1-35.	0.5	32
90	How sensitive are the Pacificâ€“tropical North Atlantic teleconnections to the position and intensity of El NiÃ±o-related warming?. Climate Dynamics, 2016, 46, 1841-1860.	1.7	69

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91	Effects of the Mount Pinatubo eruption on decadal climate prediction skill of Pacific sea surface temperatures. Geophysical Research Letters, 2015, 42, 10,840.	1.5	18
92	Potential for Southern Hemisphere climate surprises. Journal of Quaternary Science, 2015, 30, 391-395.	1.1	22
93	Impact of oceanic circulation changes on atmospheric Î´¹³CO₂. Global Biogeochemical Cycles, 2015, 29, 1944-1961.	1.9	35
94	A surface layer variance heat budget for ENSO. Geophysical Research Letters, 2015, 42, 3529-3537.	1.5	19
95	How did ocean warming affect Australian rainfall extremes during the 2010/2011 La NiÃ±a event?. Geophysical Research Letters, 2015, 42, 9942-9951.	1.5	55
96	Obliquity Control On Southern Hemisphere Climate During The Last Glacial. Scientific Reports, 2015, 5, 11673.	1.6	25
97	Interhemispheric Asymmetry of Warming in an Eddy-Permitting Coupled Sector Model. Journal of Climate, 2015, 28, 7385-7406.	1.2	3
98	Obliquityâ€driven expansion of North Atlantic sea ice during the last glacial. Geophysical Research Letters, 2015, 42, 10,382.	1.5	12
99	Response to Comment on â€œAtlantic and Pacific multidecadal oscillations and Northern Hemisphere temperaturesâ€. Science, 2015, 350, 1326-1326.	6.0	16
100	Increased frequency of extreme LaÂNiÃ±a events under greenhouse warming. Nature Climate Change, 2015, 5, 132-137.	8.1	479
101	Contribution of enhanced Antarctic Bottom Water formation to Antarctic warm events and millennial-scale atmospheric CO2 increase. Earth and Planetary Science Letters, 2015, 413, 37-50.	1.8	34
102	Robustness of the modes of Indo-Pacific sea level variability. Climate Dynamics, 2015, 45, 1281-1298.	1.7	40
103	Optimal forcing of ENSO either side of the 1970â€™s climate shift and its implications for predictability. Climate Dynamics, 2015, 45, 47-65.	1.7	5
104	Indo-Pacific Climate Interactions in the Absence of an Indonesian Throughflow. Journal of Climate, 2015, 28, 5017-5029.	1.2	20
105	The Response of the Indian Ocean Dipole Asymmetry to Anthropogenic Aerosols and Greenhouse Gases. Journal of Climate, 2015, 28, 2564-2583.	1.2	9
106	Robust warming projections despite the recent hiatus. Nature Climate Change, 2015, 5, 394-396.	8.1	40
107	Response of Southern Ocean Convection and Abyssal Overturning to Surface Buoyancy Perturbations. Journal of Climate, 2015, 28, 4263-4278.	1.2	17
108	Effects of volcanism on tropical variability. Geophysical Research Letters, 2015, 42, 6024-6033.	1.5	150

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109	Anisotropy of eddy variability in the global ocean. Ocean Modelling, 2015, 95, 53-65.	1.0	31
110	Separating Internal Variability from the Externally Forced Climate Response. Journal of Climate, 2015, 28, 8184-8202.	1.2	90
111	Teleconnections between Tropical Pacific SST Anomalies and Extratropical Southern Hemisphere Climate. Journal of Climate, 2015, 28, 56-65.	1.2	75
112	Hindcasting the continuum of Dansgaardâ€“Oeschger variability: mechanisms, patterns and timing. Climate of the Past, 2014, 10, 63-77.	1.3	130
113	Sensitivity of ocean oxygenation to variations in tropical zonal wind stress magnitude. Global Biogeochemical Cycles, 2014, 28, 909-926.	1.9	18
114	Tropical Connections to Climatic Change in the Extratropical Southern Hemisphere: The Role of Atlantic SST Trends. Journal of Climate, 2014, 27, 4923-4936.	1.2	80
115	Antarctic contribution to meltwater pulse 1A from reduced Southern Ocean overturning. Nature Communications, 2014, 5, 5107.	5.8	161
116	Testing the sensitivity of the East Antarctic Ice Sheet to Southern Ocean dynamics: past changes and future implications. Journal of Quaternary Science, 2014, 29, 91-98.	1.1	46
117	Revisiting meridional overturing bistability using a minimal set of state variables: stochastic theory. Climate Dynamics, 2014, 43, 1661-1676.	1.7	0
118	Increasing frequency of extreme El NiÃ±o events due to greenhouse warming. Nature Climate Change, 2014, 4, 111-116.	8.1	1,572
119	Recent intensification of wind-driven circulation in the Pacific and the ongoing warming hiatus. Nature Climate Change, 2014, 4, 222-227.	8.1	1,115
120	Cold Tongue and Warm Pool ENSO Events in CMIP5: Mean State and Future Projections. Journal of Climate, 2014, 27, 2861-2885.	1.2	147
121	Evolution of the Southern Annular Mode during the past millennium. Nature Climate Change, 2014, 4, 564-569.	8.1	277
122	ENSOâ€driven interhemispheric Pacific mass transports. Journal of Geophysical Research: Oceans, 2014, 119, 6221-6237.	1.0	21
123	Recent Walker circulation strengthening and Pacific cooling amplified by Atlantic warming. Nature Climate Change, 2014, 4, 888-892.	8.1	480
124	Rapid subsurface warming and circulation changes of Antarctic coastal waters by poleward shifting winds. Geophysical Research Letters, 2014, 41, 4601-4610.	1.5	165
125	Drivers of decadal hiatus periods in the 20th and 21st centuries. Geophysical Research Letters, 2014, 41, 5978-5986.	1.5	84
126	Pacificâ€toâ€Indian Ocean connectivity: Tasman leakage, Indonesian Throughflow, and the role of ENSO. Journal of Geophysical Research: Oceans, 2014, 119, 1365-1382.	1.0	105

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127	Atlantic-Pacific seesaw and its role in outgassing CO₂during Heinrich events. Paleoceanography, 2014, 29, 58-70.	3.0	81
128	Wind-stress feedback amplification of abrupt millennial-scale climate changes. Climate Dynamics, 2013, 40, 983-995.	1.7	3
129	Vertical Heat Transport by Ocean Circulation and the Role of Mechanical and Haline Forcing. Journal of Physical Oceanography, 2013, 43, 2095-2112.	0.7	23
130	Using Eulerian and Lagrangian Approaches to Investigate Wind-Driven Changes in the Southern Ocean Abyssal Circulation. Journal of Physical Oceanography, 2013, 44, 662-675.	0.7	9
131	Late-twentieth-century emergence of the El NiÃ±o propagation asymmetry and future projections. Nature, 2013, 504, 126-130.	13.7	116
132	Sea level changes forced by Southern Ocean winds. Geophysical Research Letters, 2013, 40, 5710-5715.	1.5	41
133	Meridional movement of wind anomalies during ENSO events and their role in event termination. Geophysical Research Letters, 2013, 40, 749-754.	1.5	90
134	The 1970's shift in ENSO dynamics: A linear inverse model perspective. Geophysical Research Letters, 2013, 40, 1612-1617.	1.5	12
135	Abyssal connections of Antarctic Bottom Water in a Southern Ocean State Estimate. Geophysical Research Letters, 2013, 40, 2177-2182.	1.5	57
136	Multi-decadal projections of surface and interior pathways of the Fukushima Cesium-137 radioactive plume. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 80, 37-46.	0.6	59
137	Interhemispheric asymmetry in transient global warming: The role of Drake Passage. Geophysical Research Letters, 2013, 40, 1587-1593.	1.5	13
138	Sensitivity of the oceanic carbon reservoir to tropical surface wind stress variations. Geophysical Research Letters, 2013, 40, 2218-2223.	1.5	4
139	Changes in South Pacific rainfall bands in a warming climate. Nature Climate Change, 2013, 3, 417-423.	8.1	71
140	Observed variations in multidecadal Antarctic sea ice trends during 1979â€“2012. Geophysical Research Letters, 2013, 40, 3643-3648.	1.5	46
141	North Atlantic Climate Response to Lake Agassiz Drainage at Coarse and Ocean Eddy-Permitting Resolutions. Journal of Climate, 2013, 26, 2651-2667.	1.2	30
142	Forcing of anthropogenic aerosols on temperature trends of the sub-thermocline southern Indian Ocean. Scientific Reports, 2013, 3, 2245.	1.6	23
143	Inferred changes in El NiÃ±oâ€“Southern Oscillation variance over the past six centuries. Climate of the Past, 2013, 9, 2269-2284.	1.3	75
144	Seasonal Relationships between Large-Scale Climate Variability and Antarctic Sea Ice Concentration. Journal of Climate, 2012, 25, 5451-5469.	1.2	127

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145	Precise Calculations of the Existence of Multiple AMOC Equilibria in Coupled Climate Models. Part II: Transient Behavior. Journal of Climate, 2012, 25, 299-306.	1.2	4
146	Constraining Wind Stress Products with Sea Surface Height Observations and Implications for Pacific Ocean Sea Level Trend Attribution*. Journal of Climate, 2012, 25, 8164-8176.	1.2	76
147	The Ocean Circulation in Thermohaline Coordinates. Journal of Physical Oceanography, 2012, 42, 708-724.	0.7	69
148	Precise Calculations of the Existence of Multiple AMOC Equilibria in Coupled Climate Models. Part I: Equilibrium States. Journal of Climate, 2012, 25, 282-298.	1.2	16
149	Impact of Indo-Pacific Feedback Interactions on ENSO Dynamics Diagnosed Using Ensemble Climate Simulations. Journal of Climate, 2012, 25, 7743-7763.	1.2	65
150	The Effect of the South Pacific Convergence Zone on the Termination of El NiÃ±o Events and the Meridional Asymmetry of ENSO*. Journal of Climate, 2012, 25, 5566-5586.	1.2	117
151	Origin, dynamics and evolution of ocean garbage patches from observed surface drifters. Environmental Research Letters, 2012, 7, 044040.	2.2	380
152	The Role of Bottom Pressure Torques on the Interior Pathways of North Atlantic Deep Water. Journal of Physical Oceanography, 2012, 42, 110-125.	0.7	21
153	Mechanisms Maintaining Southern Ocean Meridional Heat Transport under Projected Wind Forcing. Journal of Physical Oceanography, 2012, 42, 1923-1931.	0.7	9
154	Tasman leakage in a fineâ€resolution ocean model. Geophysical Research Letters, 2012, 39, .	1.5	47
155	A dynamic, embedded Lagrangian model for ocean climate models. Part I: Theory and implementation. Ocean Modelling, 2012, 59-60, 41-59.	1.0	9
156	A dynamic, embedded Lagrangian model for ocean climate models, Part II: Idealised overflow tests. Ocean Modelling, 2012, 59-60, 60-76.	1.0	11
157	Abrupt millennial variability and interdecadal-interstadial oscillations in a global coupled model: sensitivity to the background climate state. Climate Dynamics, 2012, 39, 259-275.	1.7	17
158	Sensitivity of South American summer rainfall to tropical Pacific Ocean SST anomalies. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	26
159	Observed ENSO teleconnections to Southern Ocean SST anomalies diagnosed from a surface mixed layer heat budget. Geophysical Research Letters, 2011, 38, .	1.5	23
160	The influence of Southern Hemisphere seaâ€ice extent on the latitude of the midâ€latitude jet stream. Geophysical Research Letters, 2011, 38, .	1.5	51
161	Buffered versus non-buffered ocean carbon reservoir variations: Application to the sensitivity of atmospheric pCO₂to ocean circulation changes. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	2
162	Effect of the deepening of the Tasman Gateway on the global ocean. Paleoceanography, 2011, 26, .	3.0	92

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163	Signatures of the Antarctic ozone hole in Southern Hemisphere surface climate change. Nature Geoscience, 2011, 4, 741-749.	5.4	781
164	Multi-decadal modulation of the El NiÃ±oâ€“Indian monsoon relationship by Indian Ocean variability. Environmental Research Letters, 2011, 6, 034006.	2.2	79
165	The Contribution of Indian Ocean Sea Surface Temperature Anomalies on Australian Summer Rainfall during El NiÃ±o Events. Journal of Climate, 2011, 24, 3734-3747.	1.2	74
166	Indian and Pacific Ocean Influences on Southeast Australian Drought and Soil Moisture. Journal of Climate, 2011, 24, 1313-1336.	1.2	139
167	On the Persistence of Cold-Season SST Anomalies Associated with the Annular Modes. Journal of Climate, 2011, 24, 2500-2515.	1.2	14
168	Structure and Causes of the Pulsation Mode in the Antarctic Circumpolar Current South of Australia. Journal of Physical Oceanography, 2011, 41, 253-268.	0.7	3
169	The Impact of Wind Stress Feedback on the Stability of the Atlantic Meridional Overturning Circulation. Journal of Climate, 2011, 24, 1965-1984.	1.2	5
170	Subduction and Transport in the Indian and Pacific Oceans in a 2 Ã— CO2 Climate. Journal of Climate, 2011, 24, 1821-1838.	1.2	6
171	The Role of the Indonesian Throughflow on ENSO Dynamics in a Coupled Climate Model. Journal of Climate, 2011, 24, 585-601.	1.2	34
172	Teleconnections associated with the intensification of the Australian monsoon during El NiÃ±o Modoki events. IOP Conference Series: Earth and Environmental Science, 2010, 11, 012031.	0.2	11
173	Global and Regional Climate Response to Late Twentieth-Century Warming over the Indian Ocean. Journal of Climate, 2010, 23, 1660-1674.	1.2	12
174	Australian Monsoon Variability Driven by a Gillâ€“Matsuno-Type Response to Central West Pacific Warming. Journal of Climate, 2010, 23, 4717-4736.	1.2	49
175	The Role of Oceanic Heat Transport and Wind Stress Forcing in Abrupt Millennial-Scale Climate Transitions. Journal of Climate, 2010, 23, 2233-2256.	1.2	18
176	On the control of glacialâ€interglacial atmospheric CO₂ variations by the Southern Hemisphere westerlies. Geophysical Research Letters, 2010, 37, .	1.5	37
177	Genesis of Indian Ocean Mixed Layer Temperature Anomalies: A Heat Budget Analysis. Journal of Climate, 2010, 23, 5375-5403.	1.2	48
178	Constraining future greenhouse gas emissions by a cumulative target. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16539-16540.	3.3	13
179	Regional and Global Impacts of Land Cover Change and Sea Surface Temperature Anomalies. Journal of Climate, 2009, 22, 3248-3269.	1.2	64
180	El NiÃ±o Modoki Impacts on Australian Rainfall. Journal of Climate, 2009, 22, 3167-3174.	1.2	207

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