Shayne McGregor

List of Publications by Year
in descending order

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67	6,677	101543	88630
papers	citations	36 h-index	70 g-index

74	74	74	6344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	El NiÃ±oâ€“Southern Oscillation complexity. Nature, 2018, 559, 535-545.	27.8	702
3	Recent Walker circulation strengthening and Pacific cooling amplified by Atlantic warming. Nature Climate Change, 2014, 4, 888-892.	18.8	480
4	Pantropical climate interactions. Science, 2019, 363, .	12.6	419
5	Biological responses to the press and pulse of climate trends and extreme events. Nature Climate Change, 2018, 8, 579-587.	18.8	330
6	A combination mode of the annual cycle and the ElÂNiÃ±o/Southern Oscillation. Nature Geoscience, 2013, 6, 540-544.	12.9	224
7	Polar amplification dominated by local forcing and feedbacks. Nature Climate Change, 2018, 8, 1076-1081.	18.8	216
8	Wind Effects on Past and Future Regional Sea Level Trends in the Southern Indo-Pacific*. Journal of Climate, 2010, 23, 4429-4437.	3.2	201
9	Changing El NiÃ±oâ€“Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644.	29.7	197
10	A unified proxy for ENSO and PDO variability since 1650. Climate of the Past, 2010, 6, 1-17.	3.4	179
11	Combination Mode Dynamics of the Anomalous Northwest Pacific Anticyclone*. Journal of Climate, 2015, 28, 1093-1111.	3.2	169
12	Effects of volcanism on tropical variability. Geophysical Research Letters, 2015, 42, 6024-6033.	4.0	150
13	Regional Patterns of Tropical Indo-Pacific Climate Change: Evidence of the Walker Circulation Weakening. Journal of Climate, 2012, 25, 1689-1710.	3.2	122
14	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.	3.2	117
15	Late-twentieth-century emergence of the El NiÃ±o propagation asymmetry and future projections. Nature, 2013, 504, 126-130.	27.8	116
16	The Effect of Explosive Tropical Volcanism on ENSO. Journal of Climate, 2011, 24, 2178-2191.	3.2	109
17	On the long-term context of the 1997â€“2009 â€˜Big Dryâ€™ in South-Eastern Australia: insights from a 206-year multi-proxy rainfall reconstruction. Climatic Change, 2012, 111, 923-944.	3.6	100
18	Evaluating Climate Models with the CLIVAR 2020 ENSO Metrics Package. Bulletin of the American Meteorological Society, 2021, 102, E193-E217.	3.3	93

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19	Model tropical Atlantic biases underpin diminished Pacific decadal variability. Nature Climate Change, 2018, 8, 493-498.	18.8	92
20	Decadal climate variability in the tropical Pacific: Characteristics, causes, predictability, and prospects. Science, 2021, 374, eaay9165.	12.6	92
21	Meridional movement of wind anomalies during ENSO events and their role in event termination. Geophysical Research Letters, 2013, 40, 749-754.	4.0	90
22	ENSO to multi-decadal time scale changes in East Australian Current transports and Fort Denison sea level: Oceanic Rossby waves as the connecting mechanism. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 547-558.	1.4	80
23	Tropical Connections to Climatic Change in the Extratropical Southern Hemisphere: The Role of Atlantic SST Trends. Journal of Climate, 2014, 27, 4923-4936.	3.2	80
24	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.	3.2	76
25	Atlantic and Pacific tropics connected by mutually interactive decadal-timescale processes. Nature Geoscience, 2021, 14, 36-42.	12.9	76
26	Inferred changes in El NiÃ±oâ€“Southern Oscillation variance over the past six centuries. Climate of the Past, 2013, 9, 2269-2284.	3.4	75
27	Changes in South Pacific rainfall bands in a warming climate. Nature Climate Change, 2013, 3, 417-423.	18.8	71
28	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.	3.8	69
29	Future changes to the Indonesian Throughflow and Pacific circulation: The differing role of wind and deep circulation changes. Geophysical Research Letters, 2016, 43, 1669-1678.	4.0	56
30	Understanding the Warm Water Volume Precursor of ENSO Events and its Interdecadal Variation. Geophysical Research Letters, 2018, 45, 1577-1585.	4.0	52
31	Future Changes to El NiÃ±oâ€“Southern Oscillation Temperature and Precipitation Teleconnections. Geophysical Research Letters, 2017, 44, 10,608.	4.0	50
32	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.	3.3	46
33	Drivers of the projected changes to the Pacific Ocean equatorial circulation. Geophysical Research Letters, 2012, 39, .	4.0	45
34	Model under-representation of decadal Pacific trade wind trends and its link to tropical Atlantic bias. Climate Dynamics, 2018, 50, 1471-1484.	3.8	41
35	Robustness of the modes of Indo-Pacific sea level variability. Climate Dynamics, 2015, 45, 1281-1298.	3.8	40
36	An Interhemispheric Tropical Sea Level Seesaw due to El NiÃ±o Taimasa. Journal of Climate, 2014, 27, 1070-1081.	3.2	39

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37	Interdecadal Sea Surface Temperature Variability in the Equatorial Pacific Ocean. Part I: The Role of Off-Equatorial Wind Stresses and Oceanic Rossby Waves. Journal of Climate, 2007, 20, 2643-2658.	3.2	34
38	Sea Level Rise Driving Increasingly Predictable Coastal Inundation in Sydney, Australia. Earth's Future, 2020, 8, e2020EF001607.	6.3	28
39	The influence of non-stationary teleconnections on palaeoclimate reconstructions of ENSO variance using a pseudoproxy framework. Climate of the Past, 2015, 11, 1733-1749.	3.4	24
40	Charging El NiÃ±o with off-equatorial westerly wind events. Climate Dynamics, 2016, 47, 1111-1125.	3.8	23
41	ENSOâ€driven interhemispheric Pacific mass transports. Journal of Geophysical Research: Oceans, 2014, 119, 6221-6237.	2.6	21
42	Australian Coastal Flooding Trends and Forcing Factors. Earth's Future, 2022, 10, .	6.3	20
43	Projected ENSO Teleconnection Changes in CMIP6. Geophysical Research Letters, 2022, 49, .	4.0	20
44	Contribution of tropical instability waves to ENSO irregularity. Climate Dynamics, 2019, 52, 1837-1855.	3.8	17
45	A weather system perspective on winterâ€“spring rainfall variability in southeastern Australia during ElÂNiÃ±o. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2614-2633.	2.7	17
46	The role of the southward wind shift in both, the seasonal synchronization and duration of ENSO events. Climate Dynamics, 2016, 47, 509-527.	3.8	15
47	Factors influencing the skill of synthesized satellite wind products in the tropical Pacific. Journal of Geophysical Research: Oceans, 2017, 122, 1072-1089.	2.6	15
48	Projected late 21st century changes to the regional impacts of the El NiÃ±o-Southern Oscillation. Climate Dynamics, 2020, 54, 395-412.	3.8	15
49	A joint role for forced and internally-driven variability in the decadal modulation of global warming. Nature Communications, 2020, 11, 3827.	12.8	15
50	Trans-basin Atlantic-Pacific connections further weakened by common model Pacific mean SST biases. Nature Communications, 2020, 11, 5677.	12.8	15
51	Distinctive role of ocean advection anomalies in the development of the extreme 2015â€“16 El NiÃ±o. Climate Dynamics, 2018, 51, 2191-2208.	3.8	14
52	Interdecadal Sea Surface Temperature Variability in the Equatorial Pacific Ocean. Part II: The Role of Equatorial/Off-Equatorial Wind Stresses in a Hybrid Coupled Model. Journal of Climate, 2008, 21, 4242-4256.	3.2	13
53	On the dynamics of interdecadal thermocline depth and sea surface temperature variability in the low to mid-latitude Pacific Ocean. Geophysical Research Letters, 2004, 31, .	4.0	12
54	The Response of a Stochastically Forced ENSO Model to Observed Off-Equatorial Wind Stress Forcing. Journal of Climate, 2009, 22, 2512-2525.	3.2	12

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55	The 1970's shift in ENSO dynamics: A linear inverse model perspective. Geophysical Research Letters, 2013, 40, 1612-1617.	4.0	12
56	Subtropical-tropical pathways of spiciness anomalies and their impact on equatorial Pacific temperature. Climate Dynamics, 2021, 56, 1131-1144.	3.8	11
57	Analysis of the Southward Wind Shift of ENSO in CMIP5 Models. Journal of Climate, 2017, 30, 2415-2435.	3.2	10
58	Reply to â€œComments on â€˜Combination Mode Dynamics of the Anomalous Northwest Pacific Anticycloneâ€™â€•. Journal of Climate, 2016, 29, 4695-4706.	3.2	9
59	Atlanticâ€Pacific SST Gradient Change Responsible for the Weakening of North Tropical Atlanticâ€ENSO Relationship due to Global Warming. Geophysical Research Letters, 2019, 46, 7574-7582.	4.0	9
60	Revisiting ENSO and IOD Contributions to Australian Precipitation. Geophysical Research Letters, 2022, 49, .	4.0	9
61	The Modulation of ENSO Variability in CCSM3 by Extratropical Rossby Waves. Journal of Climate, 2009, 22, 5839-5853.	3.2	8
62	Hemispheric Asymmetry of the Pacific Shallow Meridional Overturning Circulation. Journal of Geophysical Research: Oceans, 2019, 124, 5765-5786.	2.6	8
63	Wind Spatial Structure Triggers ENSOâ€™s Oceanic Warm Water Volume Changes. Journal of Climate, 2021, 34, 1985-1999.	3.2	6
64	Optimal forcing of ENSO either side of the 1970â€™s climate shift and its implications for predictability. Climate Dynamics, 2015, 45, 47-65.	3.8	5
65	Atlantic origin of Pacific changes. Nature Climate Change, 2016, 6, 233-234.	18.8	3
66	Quantifying Southern Annular Mode paleo-reconstruction skill in a model framework. Climate of the Past, 2021, 17, 1819-1839.	3.4	3
67	Distinct Off-Equatorial Zonal Wind Stress and Oceanic Responses for EP- and CP-Type ENSO Events. Journal of Climate, 2022, 35, 1423-1440.	3.2	2