

Acacia Pepler

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,189
citations

430874

18
h-index

395702

33
g-index

53
all docs

53
docs citations

53
times ranked

1252
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-decadal increase of forest burned area in Australia is linked to climate change. <i>Nature Communications</i> , 2021, 12, 6921.	12.8	173
2	Future changes in extreme weather and pyroconvection risk factors for Australian wildfires. <i>Scientific Reports</i> , 2019, 9, 10073.	3.3	104
3	On the use of self-organizing maps for studying climate extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3891-3903.	3.3	92
4	Low pressure systems off the New South Wales coast and associated hazardous weather: establishment of a database. <i>Australian Meteorological Magazine</i> , 2009, 58, 29-39.	0.4	70
5	The role of East Coast Lows on rainfall patterns and inter-annual variability across the East Coast of Australia. <i>International Journal of Climatology</i> , 2014, 34, 1011-1021.	3.5	51
6	Dynamics and Predictability of El Niño Southern Oscillation: An Australian Perspective on Progress and Challenges. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 403-420.	3.3	46
7	Indian Ocean Dipole Overrides ENSO's Influence on Cool Season Rainfall across the Eastern Seaboard of Australia. <i>Journal of Climate</i> , 2014, 27, 3816-3826.	3.2	45
8	The ability of a multi-model seasonal forecasting ensemble to forecast the frequency of warm, cold and wet extremes. <i>Weather and Climate Extremes</i> , 2015, 9, 68-77.	4.1	39
9	The contributions of fronts, lows and thunderstorms to southern Australian rainfall. <i>Climate Dynamics</i> , 2020, 55, 1489-1505.	3.8	37
10	Projected changes in east Australian midlatitude cyclones during the 21st century. <i>Geophysical Research Letters</i> , 2016, 43, 334-340.	4.0	34
11	Review of Australian east coast low pressure systems and associated extremes. <i>Climate Dynamics</i> , 2019, 53, 4887-4910.	3.8	34
12	Impact of Identification Method on the Inferred Characteristics and Variability of Australian East Coast Lows. <i>Monthly Weather Review</i> , 2015, 143, 864-877.	1.4	33
13	Resolution Sensitivity of Cyclone Climatology over Eastern Australia Using Six Reanalysis Products*. <i>Journal of Climate</i> , 2015, 28, 9530-9549.	3.2	30
14	The Queensland Cloud Seeding Research Program. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 75-90.	3.3	29
15	Pyroconvection Risk in Australia: Climatological Changes in Atmospheric Stability and Surface Fire Weather Conditions. <i>Geophysical Research Letters</i> , 2018, 45, 2005-2013.	4.0	27
16	Extreme inflow events and synoptic forcing in Sydney catchments. <i>IOP Conference Series: Earth and Environmental Science</i> , 2010, 11, 012010.	0.3	24
17	The differing role of weather systems in southern Australian rainfall between 1979-1996 and 1997-2015. <i>Climate Dynamics</i> , 2021, 56, 2289-2302.	3.8	24
18	A global climatology of surface anticyclones, their variability, associated drivers and long-term trends. <i>Climate Dynamics</i> , 2019, 52, 5397-5412.	3.8	22

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19	Australian east coast mid-latitude cyclones in the 20th Century Reanalysis ensemble. <i>International Journal of Climatology</i> , 2017, 37, 2187-2192.	3.5	19
20	Independently assessing the representation of midlatitude cyclones in high-resolution reanalyses using satellite observed winds. <i>International Journal of Climatology</i> , 2018, 38, 1314-1327.	3.5	19
21	A new, objective, database of East Coast Lows. <i>Australian Meteorological Magazine</i> , 2013, 63, 461-472.	0.4	19
22	Long-term changes in southern Australian anticyclones and their impacts. <i>Climate Dynamics</i> , 2019, 53, 4701-4714.	3.8	15
23	Evaluating the representation of Australian East Coast Lows in a regional climate model ensemble. <i>Australian Meteorological Magazine</i> , 2016, 66, 108-124.	0.4	15
24	Evaluating the representation of Australian East Coast Lows in a regional climate model ensemble. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2016, 66, 108.	1.8	15
25	The influence of local sea surface temperatures on Australian east coast cyclones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,352.	3.3	14
26	A Three-Dimensional Perspective on Extratropical Cyclone Impacts. <i>Journal of Climate</i> , 2020, 33, 5635-5649.	3.2	14
27	A Physically Based Climatology of the Occurrence and Intensification of Australian East Coast Lows. <i>Journal of Climate</i> , 2019, 32, 2823-2841.	3.2	13
28	Record Lack of Cyclones in Southern Australia During 2019. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088488.	4.0	12
29	The influence of climate drivers on the Australian snow season. <i>Australian Meteorological Magazine</i> , 2015, 65, 195-205.	0.4	11
30	A Robust Error-Based Rain Estimation Method for Polarimetric Radar. Part I: Development of a Method. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 2092-2103.	1.5	10
31	Zonal winds and southeast Australian rainfall in global and regional climate models. <i>Climate Dynamics</i> , 2016, 46, 123-133.	3.8	10
32	Fewer deep cyclones projected for the midlatitudes in a warming climate, but with more intense rainfall. <i>Environmental Research Letters</i> , 2021, 16, 054044.	5.2	10
33	Future Changes in the Occurrence of Hybrid Cyclones: The Added Value of Cyclone Classification for the East Australian Low-Pressure Systems. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085751.	4.0	9
34	A Robust Error-Based Rain Estimation Method for Polarimetric Radar. Part II: Case Study. <i>Journal of Applied Meteorology and Climatology</i> , 2012, 51, 1702-1713.	1.5	8
35	Intense east coast lows and associated rainfall in eastern Australia. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2021, 71, 110.	1.8	8
36	Redefining southern Australia's climatic regions and seasons. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2021, 71, 92.	1.8	8

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37	On Determining the Impact of Increasing Atmospheric CO ₂ on the Record Fire Weather in Eastern Australia in February 2017. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, S111-S117.	3.3	7
38	Seasonal climate summary southern hemisphere (winter 2012): dry conditions return to Australia. <i>Australian Meteorological Magazine</i> , 2013, 63, 339-349.	0.4	6
39	The influence of topography on midlatitude cyclones on Australia's east coast. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9173-9184.	3.3	5
40	Evaluating the representation of Australian East Coast Lows in a regional climate model ensemble. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2016, 66, 108-124.	1.8	4
41	Trends and low frequency variability of East Coast Lows in the twentieth century. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2018, 68, 1-15.	1.8	4
42	Subseasonal to Seasonal Climate Forecasts Provide the Backbone of a Near-Real-Time Event Explainer Service. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, S7-S13.	3.3	3
43	Orography Drives the Semistationary West Australian Summer Trough. <i>Geophysical Research Letters</i> , 2018, 45, 9981-9986.	4.0	2
44	Heat, humidity and the El Niño-Southern Oscillation in Sydney, Australia. <i>Australian Meteorological Magazine</i> , 2011, 61, 231-239.	0.4	2
45	Seasonal climate summary southern hemisphere (summer 2015-16): strong El Niño peaks and begins to weaken. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2017, 66, 361-379.	1.8	2
46	The relationship between the subtropical ridge and Australian temperatures. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2018, 68, 201-214.	1.8	2
47	Identifying East Coast Lows with climate hazards on the eastern seaboard. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2016, 66, 97.	1.8	2
48	Trends and low frequency variability of East Coast Lows in the twentieth century. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2018, 68, 1.	1.8	2
49	Seasonal climate summary southern hemisphere (summer 2015-16): strong El Niño peaks and begins to weaken. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2016, 66, 361.	1.8	1
50	A comparison of the MATCHES and NCEP1 databases for use in Australian east coast low studies. <i>Weather and Climate Extremes</i> , 2021, 34, 100400.	4.1	1
51	The relationship between the subtropical ridge and Australian temperatures. <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2018, 68, 201.	1.8	0