Jatin kala

List of Publications by Year
in descending order

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36 papers	1,237 citations	304743 22 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	2002 citing authors

#	Article	IF	Citations
1	A test of an optimal stomatal conductance scheme within the CABLE land surface model. Geoscientific Model Development, 2015, 8, 431-452.	3.6	156
2	Subcontinental heat wave triggers terrestrial and marine, multi-taxa responses. Scientific Reports, 2018, 8, 13094.	3.3	101
3	Underappreciated plant vulnerabilities to heat waves. New Phytologist, 2021, 231, 32-39.	7.3	91
4	Impact of the representation of stomatal conductance on model projections of heatwave intensity. Scientific Reports, 2016, 6, 23418.	3.3	68
5	Chronic historical drought legacy exacerbates tree mortality and crown dieback during acute heatwave-compounded drought. Environmental Research Letters, 2018, 13, 095002.	5.2	58
6	The role of land use change on the development and evolution of the west coast trough, convective clouds, and precipitation in southwest Australia. Journal of Geophysical Research, 2011, 116, .	3.3	51
7	Implementation of an optimal stomatal conductance scheme in the Australian Community Climate Earth Systems Simulator (ACCESS1.3b). Geoscientific Model Development, 2015, 8, 3877-3889.	3.6	51
8	Influence of Leaf Area Index Prescriptions on Simulations of Heat, Moisture, and Carbon Fluxes. Journal of Hydrometeorology, 2014, 15, 489-503.	1.9	50
9	Sensitivity of WRF to driving data and physics options on a seasonal time-scale for the southwest of Western Australia. Climate Dynamics, 2015, 44, 633-659.	3.8	49
10	The role of land cover change in modulating the soil moistureâ€temperature landâ€atmosphere coupling strength over Australia. Geophysical Research Letters, 2014, 41, 5883-5890.	4.0	48
11	Regional climate projections of mean and extreme climate for the southwest of Western Australia (1970â€“1999 compared to 2030â€“2059). Climate Dynamics, 2017, 48, 1723-1747.	3.8	44
12	Evaluating reanalysis-driven CORDEX regional climate models over Australia: model performance and errors. Climate Dynamics, 2019, 53, 2985-3005.	3.8	44
13	Amplification of Australian Heatwaves via Local Landâ€Atmosphere Coupling. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13625-13647.	3.3	43
14	Impact of Land Surface Initialization Approach on Subseasonal Forecast Skill: A Regional Analysis in the Southern Hemisphere. Journal of Hydrometeorology, 2014, 15, 300-319.	1.9	36
15	Representation of climate extreme indices in the ACCESS1.3b coupled atmosphereâ€“land surface model. Geoscientific Model Development, 2014, 7, 545-567.	3.6	35
16	Impacts of future urban expansion on urban heat island effects during heatwave events in the city of Melbourne in southeast Australia. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2586-2602.	2.7	34
17	Influence of antecedent soil moisture conditions on the synoptic meteorology of the Black Saturday bushfire event in southeast Australia. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 3118-3129.	2.7	33
18	Modelling evapotranspiration during precipitation deficits: identifying critical processes in a land surface model. Hydrology and Earth System Sciences, 2016, 20, 2403-2419.	4.9	33

#	Article	IF	Citations
19	An investigation of future fuel load and fire weather in Australia. Climatic Change, 2016, 139, 591-605.	3.6	30
20	Numerical Simulations of the Impacts of Land-Cover Change on a Southern Sea Breeze in South-West Western Australia. Boundary-Layer Meteorology, 2010, 135, 485-503.	2.3	23
21	Multidecadal Evaluation of WRF Downscaling Capabilities over Western Australia in Simulating Rainfall and Temperature Extremes. Journal of Applied Meteorology and Climatology, 2015, 54, 370-394.	1.5	23
22	Numerical Simulations of the Impacts of Land-Cover Change on Cold Fronts in South-West Western Australia. Boundary-Layer Meteorology, 2011, 138, 121-138.	2.3	22
23	Earlier greenâ€up and spring warming amplification over Europe. Geophysical Research Letters, 2016, 43, 2011-2018.	4.0	19
24	Implementation of a soil albedo scheme in the CABLEv1.4b land surface model and evaluation against MODIS estimates over Australia. Geoscientific Model Development, 2014, 7, 2121-2140.	3.6	14
25	Evaluation of a <scp>WRF</scp> ensemble using <scp>GCM</scp> boundary conditions to quantify mean and extreme climate for the southwest of Western Australia (1970â€“1999). International Journal of Climatology, 2016, 36, 4406-4424.	3.5	14
26	Drought can offset potential water use efficiency of forest ecosystems from rising atmospheric CO2. Journal of Environmental Sciences, 2020, 90, 262-274.	6.1	14
27	An Analysis of Regional Climate Simulations for Western Australiaâ€™s Wine Regionsâ€”Model Evaluation and Future Climate Projections. Journal of Applied Meteorology and Climatology, 2017, 56, 2113-2138.	1.5	13
28	Validation of a Simple Steady-State Forecast of Minimum Nocturnal Temperatures. Journal of Applied Meteorology and Climatology, 2009, 48, 624-633.	1.5	9
29	Climate change overtakes coastal engineering as the dominant driver of hydrological change in a large shallow lagoon. Hydrology and Earth System Sciences, 2020, 24, 5673-5697.	4.9	8
30	Evaluation of the CABLEv2.3.4 Land Surface Model Coupled to NUâ€WRFv3.9.1.1 in Simulating Temperature and Precipitation Means and Extremes Over CORDEX AustralAsia Within a WRF Physics Ensemble. Journal of Advances in Modeling Earth Systems, 2019, 11, 4466-4488.	3.8	7
31	Could crop albedo modification reduce regional warming over Australia?. Weather and Climate Extremes, 2020, 30, 100282.	4.1	6
32	Parallelization of a distributed ecohydrological model. Environmental Modelling and Software, 2018, 101, 51-63.	4.5	4
33	Influence of bias-correcting global climate models for regional climate simulations over the CORDEX-Australasia domain using WRF. Theoretical and Applied Climatology, 2020, 142, 1493-1513.	2.8	2
34	Evaluation of the Weather Research and Forecasting model in simulating fire weather for the south-west of Western Australia. International Journal of Wildland Fire, 2020, 29, 779.	2.4	2
35	Assessing the potential for crop albedo enhancement in reducing heatwave frequency, duration, and intensity under future climate change. Weather and Climate Extremes, 2022, 35, 100415.	4.1	2
36	Largeâ€eddy simulations of surface influences on planetary boundary layer development in southwest Western Australia. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1465-1475.	2.7	0