

Jatin kala

List of Publications by Year in descending order

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Version: 2024-02-01

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	Assessing the potential for crop albedo enhancement in reducing heatwave frequency, duration, and intensity under future climate change. <i>Weather and Climate Extremes</i> , 2022, 35, 100415.	4.1	2
2	Underappreciated plant vulnerabilities to heat waves. <i>New Phytologist</i> , 2021, 231, 32-39.	7.3	91
3	Drought can offset potential water use efficiency of forest ecosystems from rising atmospheric CO ₂ . <i>Journal of Environmental Sciences</i> , 2020, 90, 262-274.	6.1	14
4	Influence of bias-correcting global climate models for regional climate simulations over the CORDEX-Australasia domain using WRF. <i>Theoretical and Applied Climatology</i> , 2020, 142, 1493-1513.	2.8	2
5	Evaluation of the Weather Research and Forecasting model in simulating fire weather for the south-west of Western Australia. <i>International Journal of Wildland Fire</i> , 2020, 29, 779.	2.4	2
6	Could crop albedo modification reduce regional warming over Australia?. <i>Weather and Climate Extremes</i> , 2020, 30, 100282.	4.1	6
7	Climate change overtakes coastal engineering as the dominant driver of hydrological change in a large shallow lagoon. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5673-5697.	4.9	8
8	Impacts of future urban expansion on urban heat island effects during heatwave events in the city of Melbourne in southeast Australia. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 2586-2602.	2.7	34
9	Evaluating reanalysis-driven CORDEX regional climate models over Australia: model performance and errors. <i>Climate Dynamics</i> , 2019, 53, 2985-3005.	3.8	44
10	Evaluation of the CABLEv2.3.4 Land Surface Model Coupled to NUI-WRFv3.9.1.1 in Simulating Temperature and Precipitation Means and Extremes Over CORDEX AustralAsia Within a WRF Physics Ensemble. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4466-4488.	3.8	7
11	Amplification of Australian Heatwaves via Local Land-Atmosphere Coupling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13625-13647.	3.3	43
12	Parallelization of a distributed ecohydrological model. <i>Environmental Modelling and Software</i> , 2018, 101, 51-63.	4.5	4
13	Chronic historical drought legacy exacerbates tree mortality and crown dieback during acute heatwave-compounded drought. <i>Environmental Research Letters</i> , 2018, 13, 095002.	5.2	58
14	Subcontinental heat wave triggers terrestrial and marine, multi-taxa responses. <i>Scientific Reports</i> , 2018, 8, 13094.	3.3	101
15	Regional climate projections of mean and extreme climate for the southwest of Western Australia (1970-1999 compared to 2030-2059). <i>Climate Dynamics</i> , 2017, 48, 1723-1747.	3.8	44
16	An Analysis of Regional Climate Simulations for Western Australia's Wine Regions Model Evaluation and Future Climate Projections. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 2113-2138.	1.5	13
17	Modelling evapotranspiration during precipitation deficits: identifying critical processes in a land surface model. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2403-2419.	4.9	33
18	Earlier greenup and spring warming amplification over Europe. <i>Geophysical Research Letters</i> , 2016, 43, 2011-2018.	4.0	19

#	ARTICLE	IF	CITATIONS
19	An investigation of future fuel load and fire weather in Australia. <i>Climatic Change</i> , 2016, 139, 591-605.	3.6	30
20	Impact of the representation of stomatal conductance on model projections of heatwave intensity. <i>Scientific Reports</i> , 2016, 6, 23418.	3.3	68
21	Evaluation of a WRF ensemble using GCM boundary conditions to quantify mean and extreme climate for the southwest of Western Australia (1970–1999). <i>International Journal of Climatology</i> , 2016, 36, 4406-4424.	3.5	14
22	Influence of antecedent soil moisture conditions on the synoptic meteorology of the Black Saturday bushfire event in southeast Australia. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 3118-3129.	2.7	33
23	Implementation of an optimal stomatal conductance scheme in the Australian Community Climate Earth Systems Simulator (ACCESS1.3b). <i>Geoscientific Model Development</i> , 2015, 8, 3877-3889.	3.6	51
24	A test of an optimal stomatal conductance scheme within the CABLE land surface model. <i>Geoscientific Model Development</i> , 2015, 8, 431-452.	3.6	156
25	Multidecadal Evaluation of WRF Downscaling Capabilities over Western Australia in Simulating Rainfall and Temperature Extremes. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 370-394.	1.5	23
26	Sensitivity of WRF to driving data and physics options on a seasonal time-scale for the southwest of Western Australia. <i>Climate Dynamics</i> , 2015, 44, 633-659.	3.8	49
27	Representation of climate extreme indices in the ACCESS1.3b coupled atmosphere–land surface model. <i>Geoscientific Model Development</i> , 2014, 7, 545-567.	3.6	35
28	Implementation of a soil albedo scheme in the CABLEv1.4b land surface model and evaluation against MODIS estimates over Australia. <i>Geoscientific Model Development</i> , 2014, 7, 2121-2140.	3.6	14
29	Impact of Land Surface Initialization Approach on Subseasonal Forecast Skill: A Regional Analysis in the Southern Hemisphere. <i>Journal of Hydrometeorology</i> , 2014, 15, 300-319.	1.9	36
30	Influence of Leaf Area Index Prescriptions on Simulations of Heat, Moisture, and Carbon Fluxes. <i>Journal of Hydrometeorology</i> , 2014, 15, 489-503.	1.9	50
31	The role of land cover change in modulating the soil moisture–temperature land–atmosphere coupling strength over Australia. <i>Geophysical Research Letters</i> , 2014, 41, 5883-5890.	4.0	48
32	Large-eddy simulations of surface influences on planetary boundary layer development in southwest Western Australia. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1465-1475.	2.7	0
33	The role of land use change on the development and evolution of the west coast trough, convective clouds, and precipitation in southwest Australia. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	51
34	Numerical Simulations of the Impacts of Land-Cover Change on Cold Fronts in South-West Western Australia. <i>Boundary-Layer Meteorology</i> , 2011, 138, 121-138.	2.3	22
35	Numerical Simulations of the Impacts of Land-Cover Change on a Southern Sea Breeze in South-West Western Australia. <i>Boundary-Layer Meteorology</i> , 2010, 135, 485-503.	2.3	23
36	Validation of a Simple Steady-State Forecast of Minimum Nocturnal Temperatures. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 624-633.	1.5	9