

Anna M Ukkola

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,335
citations

279798

23
h-index

265206

42
g-index

70
all docs

70
docs citations

70
times ranked

3111
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased occurrence of high impact compound events under climate change. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	74
2	Thirty-eight years of CO ₂ fertilization has outpaced growing aridity to drive greening of Australian woody ecosystems. <i>Biogeosciences</i> , 2022, 19, 491-515.	3.3	13
3	Toward a Robust, Impact-Based, Predictive Drought Metric. <i>Water Resources Research</i> , 2022, 58, .	4.2	10
4	A flux tower dataset tailored for land model evaluation. <i>Earth System Science Data</i> , 2022, 14, 449-461.	9.9	11
5	Bridge to the future: Important lessons from 20 years of ecosystem observations made by the OzFlux network. <i>Global Change Biology</i> , 2022, 28, 3489-3514.	9.5	14
6	Reconciling historical changes in the hydrological cycle over land. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	7
7	Towards species-level forecasts of drought-induced tree mortality risk. <i>New Phytologist</i> , 2022, 235, 94-110.	7.3	12
8	High impact compound events in Australia. <i>Weather and Climate Extremes</i> , 2022, 36, 100457.	4.1	8
9	How do groundwater dynamics influence heatwaves in southeast Australia?. <i>Weather and Climate Extremes</i> , 2022, 37, 100479.	4.1	3
10	Do CMIP6 Climate Models Simulate Global or Regional Compound Events Skillfully?. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091152.	4.0	60
11	Evaluating a land surface model at a water-limited site: implications for land surface contributions to droughts and heatwaves. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 447-471.	4.9	15
12	Ten new insights in climate science 2020 – a horizon scan. <i>Global Sustainability</i> , 2021, 4, .	3.3	17
13	Annual precipitation explains variability in dryland vegetation greenness globally but not locally. <i>Global Change Biology</i> , 2021, 27, 4367-4380.	9.5	44
14	Exploring how groundwater buffers the influence of heatwaves on vegetation function during multi-year droughts. <i>Earth System Dynamics</i> , 2021, 12, 919-938.	7.1	18
15	Connections of climate change and variability to large and extreme forest fires in southeast Australia. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	341
16	CMIP6 MultiModel Evaluation of Present-Day Heatwave Attributes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095161.	4.0	18
17	Plant profit maximization improves predictions of European forest responses to drought. <i>New Phytologist</i> , 2020, 226, 1638-1655.	7.3	59
18	Global hotspots for the occurrence of compound events. <i>Nature Communications</i> , 2020, 11, 5956.	12.8	111

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19	Robust Future Changes in Meteorological Drought in <scp>CMIP6</scp> Projections Despite Uncertainty in Precipitation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087820.	4.0	239
20	Identifying areas at risk of drought-induced tree mortality across South-Eastern Australia. <i>Global Change Biology</i> , 2020, 26, 5716-5733.	9.5	79
21	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355.	9.5	50
22	The role of climate variability in Australian drought. <i>Nature Climate Change</i> , 2020, 10, 177-179.	18.8	102
23	Intensification of precipitation extremes in the world's humid and water-limited regions. <i>Environmental Research Letters</i> , 2019, 14, 065003.	5.2	80
24	The aridity Index under global warming. <i>Environmental Research Letters</i> , 2019, 14, 124006.	5.2	124
25	Exploring the stationarity of Australian temperature, precipitation and pan evaporation records over the last century. <i>Environmental Research Letters</i> , 2019, 14, 124035.	5.2	17
26	Amplification of risks to water supply at 1.5 Å°C and 2 Å°C in drying climates: a case study for Melbourne, Australia. <i>Environmental Research Letters</i> , 2019, 14, 084028.	5.2	11
27	How representative are FLUXNET measurements of surface fluxes during temperature extremes?. <i>Biogeosciences</i> , 2019, 16, 1829-1844.	3.3	11
28	Examining the evidence for decoupling between photosynthesis and transpiration during heat extremes. <i>Biogeosciences</i> , 2019, 16, 903-916.	3.3	54
29	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
30	Derived Optimal Linear Combination Evapotranspiration (DOLCE): a global gridded synthesis ET estimate. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1317-1336.	4.9	49
31	Asymmetric responses of primary productivity to altered precipitation simulated by ecosystem models across three long-term grassland sites. <i>Biogeosciences</i> , 2018, 15, 3421-3437.	3.3	55
32	Evaluating CMIP5 Model Agreement for Multiple Drought Metrics. <i>Journal of Hydrometeorology</i> , 2018, 19, 969-988.	1.9	59
33	Evaluating the Contribution of Land-Atmosphere Coupling to Heat Extremes in CMIP5 Models. <i>Geophysical Research Letters</i> , 2018, 45, 9003-9012.	4.0	50
34	New turbulent resistance parameterization for soil evaporation based on a pore-scale model: Impact on surface fluxes in <scp>CABLE</scp>. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 220-238.	3.8	30
35	FluxnetLSM R package (v1.0): a community tool for processing FLUXNET data for use in land surface modelling. <i>Geoscientific Model Development</i> , 2017, 10, 3379-3390.	3.6	14
36	Land surface models systematically overestimate the intensity, duration and magnitude of seasonal-scale evaporative droughts. <i>Environmental Research Letters</i> , 2016, 11, 104012.	5.2	88

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37	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
38	Vegetation plays an important role in mediating future water resources. <i>Environmental Research Letters</i> , 2016, 11, 094022.	5.2	26
39	Reduced streamflow in water-stressed climates consistent with CO2 effects on vegetation. <i>Nature Climate Change</i> , 2016, 6, 75-78.	18.8	230
40	Hydrological evaluation of the LPX dynamic global vegetation model for small river catchments in the UK. <i>Hydrological Processes</i> , 2014, 28, 1939-1950.	2.6	5
41	A worldwide analysis of trends in water-balance evapotranspiration. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4177-4187.	4.9	61