Peter Briggs

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5824211/publications.pdf

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38	2,785	236925	289244
papers	citations	25 h-index	40 g-index

42	42	42	4691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A rational function approach for estimating mean annual evapotranspiration. Water Resources Research, 2004, 40, .	4.2	655
2	Earlier wine-grape ripening driven by climatic warming and drying and management practices. Nature Climate Change, 2012, 2, 259-264.	18.8	192
3	Multi-decadal increase of forest burned area in Australia is linked to climate change. Nature Communications, 2021, 12, 6921.	12.8	173
4	Indian and Pacific Ocean Influences on Southeast Australian Drought and Soil Moisture. Journal of Climate, 2011, 24, 1313-1336.	3.2	139
5	A new version of the CABLE land surface model (Subversion revision r4601) incorporating land use and land cover change, woody vegetation demography, and a novel optimisation-based approach to plant coordination of photosynthesis. Geoscientific Model Development, 2018, 11, 2995-3026.	3.6	114
6	The Australian terrestrial carbon budget. Biogeosciences, 2013, 10, 851-869.	3.3	109
7	Microclimate modelling at macro scales: a test of a general microclimate model integrated with gridded continentalâ€scale soil and weather data. Methods in Ecology and Evolution, 2014, 5, 273-286.	5.2	107
8	Multiple observation types reduce uncertainty in Australia's terrestrial carbon and water cycles. Biogeosciences, 2013, 10, 2011-2040.	3.3	100
9	Higher than expected CO₂ fertilization inferred from leaf to global observations. Global Change Biology, 2020, 26, 2390-2402.	9.5	98
10	Rising temperature depletes soil moisture and exacerbates severe drought conditions across southeast Australia. Geophysical Research Letters, 2009, 36, .	4.0	89
11	Fire in Australian savannas: from leaf to landscape. Global Change Biology, 2015, 21, 62-81.	9.5	88
12	OptIC project: An intercomparison of optimization techniques for parameter estimation in terrestrial biogeochemical models. Journal of Geophysical Research, 2007, 112, .	3.3	82
13	Identifying areas at risk of droughtâ€induced tree mortality across Southâ€Eastern Australia. Global Change Biology, 2020, 26, 5716-5733.	9.5	79
14	Using Landsat observations (1988â€“2017) and Google Earth Engine to detect vegetation cover changes in rangelands - A first step towards identifying degraded lands for conservation. Remote Sensing of Environment, 2019, 232, 111317.	11.0	68
15	Impact of the 2015/2016 El NiÃ±o on the terrestrial carbon cycle constrained by bottom-up and top-down approaches. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170304.	4.0	63
16	Comparison of remotely sensed and modelled soil moisture data sets acrossÂAustralia. Remote Sensing of Environment, 2016, 186, 479-500.	11.0	59
17	Evaluation of six satellite-derived Fraction of Absorbed Photosynthetic Active Radiation (FAPAR) products across the Australian continent. Remote Sensing of Environment, 2014, 140, 241-256.	11.0	58
18	How did ocean warming affect Australian rainfall extremes during the 2010/2011 La NiÃ±a event?. Geophysical Research Letters, 2015, 42, 9942-9951.	4.0	55

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19	Endosulfan Transport: II. Modeling Airborne Dispersal and Deposition by Spray and Vapor. Journal of Environmental Quality, 2001, 30, 729-740.	2.0	52
20	Topographic Bias in Mesoscale Precipitation Networks. Journal of Climate, 1996, 9, 205-218.	3.2	49
21	A simple ecohydrological model captures essentials of seasonal leaf dynamics in semi-arid tropical grasslands. Biogeosciences, 2010, 7, 907-920.	3.3	42
22	Primary and secondary effects of climate variability on net ecosystem carbon exchange in an evergreen Eucalyptus forest. Agricultural and Forest Meteorology, 2013, 182-183, 248-256.	4.8	32
23	Coupling carbon allocation with leaf and root phenology predicts treeâ€“grass partitioning along a savanna rainfall gradient. Biogeosciences, 2016, 13, 761-779.	3.3	32
24	Regional-Scale Heat and Water Vapour Fluxes in an Agricultural Landscape: An Evaluation of CBL Budget Methods at OASIS. Boundary-Layer Meteorology, 2004, 110, 99-137.	2.3	31
25	A standâ€alone tree demography and landscape structure module for Earth system models. Geophysical Research Letters, 2013, 40, 5234-5239.	4.0	28
26	A stand-alone tree demography and landscape structure module for Earth system models: integration with inventory data from temperate and boreal forests. Biogeosciences, 2014, 11, 4039-4055.	3.3	28
27	Interannual variability in Australia's terrestrial carbon cycle constrained by multiple observation types. Biogeosciences, 2016, 13, 6363-6383.	3.3	23
28	Endosulfan Transport: I. Integrative Assessment of Airborne and Waterborne Pathways. Journal of Environmental Quality, 2001, 30, 714-728.	2.0	22
29	Sensitivities of the Australian terrestrial water and carbon balances to climate change and variability. Agricultural and Forest Meteorology, 2013, 182-183, 277-291.	4.8	20
30	Exploring how groundwater buffers the influence of heatwaves on vegetation function during multi-year droughts. Earth System Dynamics, 2021, 12, 919-938.	7.1	18
31	Operational Delivery of Hydro-Meteorological Monitoring and Modeling Over the Australian Continent. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2009, 2, 241-249.	4.9	13
32	Improving BRDF normalisation for Landsat data using statistical relationships between MODIS BRDF shape and vegetation structure in the Australian continent. Remote Sensing of Environment, 2017, 195, 275-296.	11.0	11
33	Hydrologic connectivity drives extremes and high variability in vegetation productivity across Australian arid and semi-arid ecosystems. Remote Sensing of Environment, 2022, 272, 112937.	11.0	11
34	A synoptic climatology of heavy rain events in the Lake Eyre and Lake Frome catchments. Frontiers in Environmental Science, 2014, 2, .	3.3	10
35	Cold oceans enhance terrestrial new-particle formation in near-coastal forests. Atmospheric Chemistry and Physics, 2009, 9, 8639-8650.	4.9	7
36	Block-Entropy Analysis of Climate Data. Procedia Computer Science, 2011, 4, 1592-1601.	2.0	7

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37	Assessing Model Predictions of Carbon Dynamics in Global Drylands. Frontiers in Environmental Science, 2022, 10, .	3.3	5
38	Corrigendum to "The Australian Terrestrial Carbon Budget" published in Biogeosciences, 10, 851â€“869, 2013. Biogeosciences, 2015, 12, 3603-3605.	3.3	3