

Peter Briggs

List of Publications by Year in descending order

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

Version: 2024-02-01

38
papers

2,785
citations

236925

25
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

4691
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Hydrologic connectivity drives extremes and high variability in vegetation productivity across Australian arid and semi-arid ecosystems. <i>Remote Sensing of Environment</i> , 2022, 272, 112937. | 11.0 | 11 |
| 2 | Assessing Model Predictions of Carbon Dynamics in Global Drylands. <i>Frontiers in Environmental Science</i> , 2022, 10, . | 3.3 | 5 |
| 3 | 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 |
| 4 | Multi-decadal increase of forest burned area in Australia is linked to climate change. <i>Nature Communications</i> , 2021, 12, 6921. | 12.8 | 173 |
| 5 | 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 |
| 6 | Higher than expected CO ₂ fertilization inferred from leaf to global observations. <i>Global Change Biology</i> , 2020, 26, 2390-2402. | 9.5 | 98 |
| 7 | Using Landsat observations (1988-2017) and Google Earth Engine to detect vegetation cover changes in rangelands - A first step towards identifying degraded lands for conservation. <i>Remote Sensing of Environment</i> , 2019, 232, 111317. | 11.0 | 68 |
| 8 | Impact of the 2015/2016 El Niño on the terrestrial carbon cycle constrained by bottom-up and top-down approaches. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170304. | 4.0 | 63 |
| 9 | 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. <i>Geoscientific Model Development</i> , 2018, 11, 2995-3026. | 3.6 | 114 |
| 10 | Improving BRDF normalisation for Landsat data using statistical relationships between MODIS BRDF shape and vegetation structure in the Australian continent. <i>Remote Sensing of Environment</i> , 2017, 195, 275-296. | 11.0 | 11 |
| 11 | Coupling carbon allocation with leaf and root phenology predicts tree-grass partitioning along a savanna rainfall gradient. <i>Biogeosciences</i> , 2016, 13, 761-779. | 3.3 | 32 |
| 12 | Interannual variability in Australia's terrestrial carbon cycle constrained by multiple observation types. <i>Biogeosciences</i> , 2016, 13, 6363-6383. | 3.3 | 23 |
| 13 | Comparison of remotely sensed and modelled soil moisture data sets across Australia. <i>Remote Sensing of Environment</i> , 2016, 186, 479-500. | 11.0 | 59 |
| 14 | How did ocean warming affect Australian rainfall extremes during the 2010/2011 La Niña event?. <i>Geophysical Research Letters</i> , 2015, 42, 9942-9951. | 4.0 | 55 |
| 15 | Corrigendum to "The Australian Terrestrial Carbon Budget" published in <i>Biogeosciences</i> , 10, 851-869, 2013. <i>Biogeosciences</i> , 2015, 12, 3603-3605. | 3.3 | 3 |
| 16 | Fire in Australian savannas: from leaf to landscape. <i>Global Change Biology</i> , 2015, 21, 62-81. | 9.5 | 88 |
| 17 | A synoptic climatology of heavy rain events in the Lake Eyre and Lake Frome catchments. <i>Frontiers in Environmental Science</i> , 2014, 2, . | 3.3 | 10 |
| 18 | Microclimate modelling at macro scales: a test of a general microclimate model integrated with gridded continental-scale soil and weather data. <i>Methods in Ecology and Evolution</i> , 2014, 5, 273-286. | 5.2 | 107 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Evaluation of six satellite-derived Fraction of Absorbed Photosynthetic Active Radiation (FAPAR) products across the Australian continent. <i>Remote Sensing of Environment</i> , 2014, 140, 241-256. | 11.0 | 58 |
| 20 | A stand-alone tree demography and landscape structure module for Earth system models: integration with inventory data from temperate and boreal forests. <i>Biogeosciences</i> , 2014, 11, 4039-4055. | 3.3 | 28 |
| 21 | A stand-alone tree demography and landscape structure module for Earth system models. <i>Geophysical Research Letters</i> , 2013, 40, 5234-5239. | 4.0 | 28 |
| 22 | Primary and secondary effects of climate variability on net ecosystem carbon exchange in an evergreen Eucalyptus forest. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 248-256. | 4.8 | 32 |
| 23 | Sensitivities of the Australian terrestrial water and carbon balances to climate change and variability. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 277-291. | 4.8 | 20 |
| 24 | The Australian terrestrial carbon budget. <i>Biogeosciences</i> , 2013, 10, 851-869. | 3.3 | 109 |
| 25 | Multiple observation types reduce uncertainty in Australia's terrestrial carbon and water cycles. <i>Biogeosciences</i> , 2013, 10, 2011-2040. | 3.3 | 100 |
| 26 | Earlier wine-grape ripening driven by climatic warming and drying and management practices. <i>Nature Climate Change</i> , 2012, 2, 259-264. | 18.8 | 192 |
| 27 | Block-Entropy Analysis of Climate Data. <i>Procedia Computer Science</i> , 2011, 4, 1592-1601. | 2.0 | 7 |
| 28 | Indian and Pacific Ocean Influences on Southeast Australian Drought and Soil Moisture. <i>Journal of Climate</i> , 2011, 24, 1313-1336. | 3.2 | 139 |
| 29 | A simple ecohydrological model captures essentials of seasonal leaf dynamics in semi-arid tropical grasslands. <i>Biogeosciences</i> , 2010, 7, 907-920. | 3.3 | 42 |
| 30 | Operational Delivery of Hydro-Meteorological Monitoring and Modeling Over the Australian Continent. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2009, 2, 241-249. | 4.9 | 13 |
| 31 | Rising temperature depletes soil moisture and exacerbates severe drought conditions across southeast Australia. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 89 |
| 32 | Cold oceans enhance terrestrial new-particle formation in near-coastal forests. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 8639-8650. | 4.9 | 7 |
| 33 | OptIC project: An intercomparison of optimization techniques for parameter estimation in terrestrial biogeochemical models. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 82 |
| 34 | Regional-Scale Heat and Water Vapour Fluxes in an Agricultural Landscape: An Evaluation of CBL Budget Methods at OASIS. <i>Boundary-Layer Meteorology</i> , 2004, 110, 99-137. | 2.3 | 31 |
| 35 | A rational function approach for estimating mean annual evapotranspiration. <i>Water Resources Research</i> , 2004, 40, . | 4.2 | 655 |
| 36 | Endosulfan Transport: I. Integrative Assessment of Airborne and Waterborne Pathways. <i>Journal of Environmental Quality</i> , 2001, 30, 714-728. | 2.0 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Endosulfan Transport: II. Modeling Airborne Dispersal and Deposition by Spray and Vapor. Journal of Environmental Quality, 2001, 30, 729-740. | 2.0 | 52 |
| 38 | Topographic Bias in Mesoscale Precipitation Networks. Journal of Climate, 1996, 9, 205-218. | 3.2 | 49 |