

Richard P Silberstein

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,110
citations

430442

18
h-index

315357

38
g-index

44
all docs

44
docs citations

44
times ranked

3079
citing authors

#	ARTICLE	IF	CITATIONS
1	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	2.4	646
2	An introduction to the Australian and New Zealand flux tower network " OzFlux. <i>Biogeosciences</i> , 2016, 13, 5895-5916.	1.3	159
3	Streamflow decline in southwestern Australia, 1950"2008. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	155
4	Climate change and runoff in south-western Australia. <i>Journal of Hydrology</i> , 2012, 475, 441-455.	2.3	130
5	Drought, groundwater storage and stream flow decline in southwestern Australia. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	119
6	Hydrological models are so good, do we still need data?. <i>Environmental Modelling and Software</i> , 2006, 21, 1340-1352.	1.9	110
7	Energy balance of a natural jarrah (<i>Eucalyptus marginata</i>) forest in Western Australia: measurements during the spring and summer. <i>Agricultural and Forest Meteorology</i> , 2001, 109, 79-104.	1.9	77
8	Climate change impacts on water yields and demands in south-western Australia. <i>Journal of Hydrology</i> , 2012, 475, 488-498.	2.3	75
9	Climate change effects on water-dependent ecosystems in south-western Australia. <i>Journal of Hydrology</i> , 2012, 434-435, 95-109.	2.3	62
10	Transpiration and hydraulic traits of old and regrowth eucalypt forest in southwestern Australia. <i>Forest Ecology and Management</i> , 2010, 260, 96-105.	1.4	58
11	Carbon uptake and water use in woodlands and forests in southern Australia during an extreme heat wave event in the "Angry Summer" of 2012/2013. <i>Biogeosciences</i> , 2016, 13, 5947-5964.	1.3	48
12	The sensitivity of a catchment model to soil hydraulic properties obtained by using different measurement techniques. , 1999, 13, 677-688.		39
13	Modelling the effects of soil moisture and solute conditions on long-term tree growth and water use: a case study from the Shepparton irrigation area, Australia. <i>Agricultural Water Management</i> , 1999, 39, 283-315.	2.4	36
14	Predicting and controlling water logging and groundwater flow in sloping duplex soils in western Australia. <i>Agricultural Water Management</i> , 2002, 53, 57-81.	2.4	34
15	Tree Performance and Root-Zone Salt Accumulation in Three Dryland Australian Plantations. <i>Agroforestry Systems</i> , 2006, 66, 191-204.	0.9	34
16	On the validation of a coupled water and energy balance model at small catchment scales. <i>Journal of Hydrology</i> , 1999, 220, 149-168.	2.3	26
17	The role of aerodynamic resistance in thermal remote sensing-based evapotranspiration models. <i>Remote Sensing of Environment</i> , 2021, 264, 112602.	4.6	22
18	Soils Characteristics of The Bassendean and Spearwood Sands of the Gngangara Mound (Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Aquifer. <i>Water, Air and Soil Pollution</i> , 2005, 5, 3-26.	0.8	20

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19	Thermal optima of gross primary productivity are closely aligned with mean air temperatures across Australian wooded ecosystems. <i>Global Change Biology</i> , 2021, 27, 4727-4744.	4.2	19
20	Evaluation of changes in post-fire recharge under native woodland using hydrological measurements, modelling and remote sensing. <i>Journal of Hydrology</i> , 2013, 489, 1-15.	2.3	18
21	Growth, water use, and water use efficiency of <i>Eucalyptus globulus</i> and <i>Pinus radiata</i> plantations compared with natural stands of Roble-Hualo forest in the coastal mountains of central Chile. <i>Forest Ecology and Management</i> , 2021, 501, 119676.	1.4	15
22	Measuring and monitoring the effects of agroforestry and drainage in the ÑUcarro™ sub-catchment. <i>Agricultural Water Management</i> , 2002, 53, 39-56.	2.4	14
23	The effect of the ÑLas Maquinas™ wildfire of 2017 on the hydrologic balance of a high conservation value Hualo (<i>Nothofagus glauca</i> (Phil.) Krasser) forest in central Chile. <i>Forest Ecology and Management</i> , 2020, 477, 118482.	1.4	14
24	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.	4.2	14
25	Relative importance of climatic variables, soil properties and plant traits to spatial variability in net CO ₂ exchange across global forests and grasslands. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108506.	1.9	13
26	Modelling the energy balance of a natural jarrah (<i>Eucalyptus marginata</i>) forest. <i>Agricultural and Forest Meteorology</i> , 2003, 115, 201-230.	1.9	12
27	Insights Into the Aerodynamic Versus Radiometric Surface Temperature Debate in Thermal-Based Evaporation Modeling. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	11
28	Mechanisms and control of water logging and groundwater flow in the ÑUcarro™ sub-catchment. <i>Agricultural Water Management</i> , 2002, 53, 227-257.	2.4	10
29	Reprint of: "Climate change effects on water-dependent ecosystems in south-western Australia" [J. Hydrol. 434–435 (2012) 95–109]. <i>Journal of Hydrology</i> , 2012, 475, 473-487.	2.3	10
30	The effect of wildfire on the structure and water balance of a high conservation value Hualo (<i>Nothofagus glauca</i> (Phil.) Krasser.) forest in central Chile. <i>Forest Ecology and Management</i> , 2020, 472, 118219.	1.4	10
31	Understanding spatio-temporal rainfall-runoff changes in a semi-arid region.. <i>Hydrological Processes</i> , 2020, 34, 2510.	1.1	8
32	Comparison of streamflow recession between plantations and native forests in small catchments in Central-Southern Chile. <i>Hydrological Processes</i> , 2021, 35, e14182.	1.1	8
33	An Analysis of the Effects of Large Wildfires on the Hydrology of Three Small Catchments in Central Chile Using Tritium-Based Measurements and Hydrological Metrics. <i>Hydrology</i> , 2022, 9, 45.	1.3	7
34	Forestal Arauco experimental research catchments; daily rainfall-runoff for 10 catchments with different forest types in Central-Southern Chile. <i>Hydrological Processes</i> , 2021, 35, e14047.	1.1	6
35	Modelling vegetation heterogeneity effects on terrestrial water and energy balances. <i>Environment International</i> , 1995, 21, 477-484.	4.8	5
36	Drainage discharge impacts on hydrology and water quality of receiving streams in the wheatbelt of Western Australia. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 9619-9637.	1.3	3

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37	Overstorey evapotranspiration in a seasonally dry Mediterranean eucalypt forest: Response to groundwater and mining. <i>Ecohydrology</i> , 2018, 11, e1971.	1.1	3
38	Contribution of Advanced Regeneration of <i>Pinus radiata</i> D. Don. to Transpiration by a Fragment of Native Forest in Central Chile Is out of Proportion with the Contribution to Sapwood Area. <i>Forests</i> , 2020, 11, 187.	0.9	2