Richard P Silberstein

List of Publications by Year
in descending order

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	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. Hydrology, 2022, 9, 45.	1.3	7
2	Bridge to the future: Important lessons from 20Âyears of ecosystem observations made by the OzFlux network. Global Change Biology, 2022, 28, 3489-3514.	4.2	14
3	Insights Into the Aerodynamic Versus Radiometric Surface Temperature Debate in Thermalâ€Based Evaporation Modeling. Geophysical Research Letters, 2022, 49, .	1.5	11
4	Forestal Arauco experimental research catchments; daily rainfallâ€runoff for 10 catchments with different forest types in <scp>Centralâ€Southern</scp> Chile. Hydrological Processes, 2021, 35, e14047.	1.1	6
5	Comparison of streamflow recession between plantations and native forests in small catchments in Centralâ€Southern Chile. Hydrological Processes, 2021, 35, e14182.	1.1	8
6	Thermal optima of gross primary productivity are closely aligned with mean air temperatures across Australian wooded ecosystems. Global Change Biology, 2021, 27, 4727-4744.	4.2	19
7	Relative importance of climatic variables, soil properties and plant traits to spatial variability in net CO2 exchange across global forests and grasslands. Agricultural and Forest Meteorology, 2021, 307, 108506.	1.9	13
8	The role of aerodynamic resistance in thermal remote sensing-based evapotranspiration models. Remote Sensing of Environment, 2021, 264, 112602.	4.6	22
9	Growth, water use, and water use efficiency of Eucalyptus globulus and Pinus radiata plantations compared with natural stands of Roble-Hualo forest in the coastal mountains of central Chile. Forest Ecology and Management, 2021, 501, 119676.	1.4	15
10	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. Scientific Data, 2020, 7, 225.	2.4	646
11	The effect of the â€˜Las Maquinasâ€™ wildfire of 2017 on the hydrologic balance of a high conservation value Hualo (Nothofagus glauca (Phil.) Krasser) forest in central Chile. Forest Ecology and Management, 2020, 477, 118482.	1.4	14
12	The effect of wildfire on the structure and water balance of a high conservation value Hualo (Nothofagus glauca (Phil.) Krasser.) forest in central Chile. Forest Ecology and Management, 2020, 472, 118219.	1.4	10
13	Understanding spatioâ€temporal rainfallâ€runoff changes in a semiâ€arid region.. Hydrological Processes, 2020, 34, 2510.	1.1	8
14	Contribution of Advanced Regeneration of Pinus radiata D. Don. to Transpiration by a Fragment of Native Forest in Central Chile Is out of Proportion with the Contribution to Sapwood Area. Forests, 2020, 11, 187.	0.9	2
15	Overstorey evapotranspiration in a seasonally dry Mediterranean eucalypt forest: Response to groundwater and mining. Ecohydrology, 2018, 11, e1971.	1.1	3
16	Carbon uptake and water use in woodlands and forests in southern Australia during an extreme heat wave event in the â€œAngry Summerâ€•of 2012/2013. Biogeosciences, 2016, 13, 5947-5964.	1.3	48
17	An introduction to the Australian and New Zealand flux tower network â€“ OzFlux. Biogeosciences, 2016, 13, 5895-5916.	1.3	159
18	Drainage discharge impacts on hydrology and water quality of receiving streams in the wheatbelt of Western Australia. Environmental Monitoring and Assessment, 2013, 185, 9619-9637.	1.3	3

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19	Evaluation of changes in post-fire recharge under native woodland using hydrological measurements, modelling and remote sensing. Journal of Hydrology, 2013, 489, 1-15.	2.3	18
20	Drought, groundwater storage and stream flow decline in southwestern Australia. Geophysical Research Letters, 2012, 39, .	1.5	119
21	Climate change and runoff in south-western Australia. Journal of Hydrology, 2012, 475, 441-455.	2.3	130
22	Reprint of: ``Climate change effects on water-dependent ecosystems in south-western Australia'' [J. Hydrol. 434–435 (2012) 95–109]. Journal of Hydrology, 2012, 475, 473-487.	2.3	10
23	Climate change impacts on water yields and demands in south-western Australia. Journal of Hydrology, 2012, 475, 488-498.	2.3	75
24	Climate change effects on water-dependent ecosystems in south-western Australia. Journal of Hydrology, 2012, 434-435, 95-109.	2.3	62
25	Streamflow decline in southwestern Australia, 1950â€“2008. Geophysical Research Letters, 2010, 37, .	1.5	155
26	Transpiration and hydraulic traits of old and regrowth eucalypt forest in southwestern Australia. Forest Ecology and Management, 2010, 260, 96-105.	1.4	58
27	Hydrological models are so good, do we still need data?. Environmental Modelling and Software, 2006, 21, 1340-1352.	1.9	110
28	Tree Performance and Root-Zone Salt Accumulation in Three Dryland Australian Plantations. Agroforestry Systems, 2006, 66, 191-204.	0.9	34
29	Soils Characteristics of The Bassendean and Spearwood Sands of the Gnangara Mound (Western) Tj ETQq1 1 0.784314 rgBT /Overlock Aquifer. Water, Air and Soil Pollution, 2005, 5, 3-26.	0.8	20
30	Modelling the energy balance of a natural jarrah (Eucalyptus marginata) forest. Agricultural and Forest Meteorology, 2003, 115, 201-230.	1.9	12
31	Measuring and monitoring the effects of agroforestry and drainage in the â€˜Ucarroâ€™ sub-catchment. Agricultural Water Management, 2002, 53, 39-56.	2.4	14
32	Predicting and controlling water logging and groundwater flow in sloping duplex soils in western Australia. Agricultural Water Management, 2002, 53, 57-81.	2.4	34
33	Mechanisms and control of water logging and groundwater flow in the â€˜Ucarroâ€™ sub-catchment. Agricultural Water Management, 2002, 53, 227-257.	2.4	10
34	Energy balance of a natural jarrah (Eucalyptus marginata) forest in Western Australia: measurements during the spring and summer. Agricultural and Forest Meteorology, 2001, 109, 79-104.	1.9	77
35	The sensitivity of a catchment model to soil hydraulic properties obtained by using different measurement techniques. , 1999, 13, 677-688.		39
36	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. Agricultural Water Management, 1999, 39, 283-315.	2.4	36

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37	On the validation of a coupled water and energy balance model at small catchment scales. Journal of Hydrology, 1999, 220, 149-168.	2.3	26
38	Modelling vegetation heterogeneity effects on terrestrial water and energy balances. Environment International, 1995, 21, 477-484.	4.8	5