

Joshua R Larsen

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,760
citations

279798

23
h-index

330143

37
g-index

50
all docs

50
docs citations

50
times ranked

2941
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite-derived Digital Elevation Model (DEM) selection, preparation and correction for hydrodynamic modelling in large, low-gradient and data-sparse catchments. <i>Journal of Hydrology</i> , 2015, 524, 489-506.	5.4	154
2	Late Quaternary palaeoenvironmental change in the Australian drylands. <i>Quaternary Science Reviews</i> , 2013, 74, 78-96.	3.0	128
3	A Global Assessment of Runoff Sensitivity to Changes in Precipitation, Potential Evaporation, and Other Factors. <i>Water Resources Research</i> , 2017, 53, 8475-8486.	4.2	125
4	Alluvial evidence for major climate and flow regime changes during the middle and late Quaternary in eastern central Australia. <i>Geomorphology</i> , 2008, 101, 109-129.	2.6	106
5	The hydrological legacy of deforestation on global wetlands. <i>Science</i> , 2014, 346, 844-847.	12.6	105
6	Recent changes in extreme floods across multiple continents. <i>Environmental Research Letters</i> , 2017, 12, 114035.	5.2	102
7	Hydrological transformation coincided with megafaunal extinction in central Australia. <i>Geology</i> , 2015, 43, 195-198.	4.4	76
8	Understanding snow hydrological processes through the lens of stable water isotopes. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1311.	6.5	76
9	Late Quaternary aeolian and fluvial interactions on the Cooper Creek Fan and the association between linear and source-bordering dunes, Strzelecki Desert, Australia. <i>Quaternary Science Reviews</i> , 2010, 29, 455-471.	3.0	72
10	Freshwater recharge into a shallow saline groundwater system, Cooper Creek floodplain, Queensland, Australia. <i>Journal of Hydrology</i> , 2010, 392, 150-163.	5.4	71
11	Dam builders and their works: Beaver influences on the structure and function of river corridor hydrology, geomorphology, biogeochemistry and ecosystems. <i>Earth-Science Reviews</i> , 2021, 218, 103623.	9.1	69
12	Linking the Budyko framework and the Dunne diagram. <i>Journal of Hydrology</i> , 2016, 535, 581-597.	5.4	66
13	Understanding and quantifying focused, indirect groundwater recharge from ephemeral streams using water table fluctuations. <i>Water Resources Research</i> , 2016, 52, 827-840.	4.2	61
14	CO ₂ vegetation feedbacks and other climate changes implicated in reducing base flow. <i>Geophysical Research Letters</i> , 2017, 44, 2310-2318.	4.0	57
15	Where does all the water go? Partitioning water transmission losses in a data-sparse, multi-channel and low-gradient dryland river system using modelling and remote sensing. <i>Journal of Hydrology</i> , 2015, 529, 1511-1529.	5.4	51
16	Nitrogen Cycling from Increased Soil Organic Carbon Contributes Both Positively and Negatively to Ecosystem Services in Wheat Agro-Ecosystems. <i>Frontiers in Plant Science</i> , 2017, 8, 731.	3.6	44
17	Hydrospatial assessment of streamflow yields and effects of climate change: Snowy Mountains, Australia. <i>Journal of Hydrology</i> , 2014, 512, 206-220.	5.4	38
18	River-aquifer interactions in a semiarid environment investigated using point and reach measurements. <i>Water Resources Research</i> , 2014, 50, 2815-2829.	4.2	37

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19	Association of Arsenic and Phosphorus with Iron Nanoparticles between Streams and Aquifers: Implications for Arsenic Mobility. <i>Environmental Science & Technology</i> , 2015, 49, 14101-14109.	10.0	33
20	20,000 years of societal vulnerability and adaptation to climate change in southwest Asia. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1330.	6.5	30
21	Classification and prediction of river network ephemerality and its relevance for waterborne disease epidemiology. <i>Advances in Water Resources</i> , 2017, 110, 263-278.	3.8	28
22	Late-Holocene climatic variability indicated by three natural archives in arid southern Australia. <i>Holocene</i> , 2014, 24, 104-117.	1.7	27
23	Regional variation in streamflow drivers across a continental climatic gradient. <i>Ecohydrology</i> , 2017, 10, e1816.	2.4	25
24	Lowland river responses to intraplate tectonism and climate forcing quantified with luminescence and cosmogenic ^{10}Be . <i>Earth and Planetary Science Letters</i> , 2013, 366, 49-58.	4.4	22
25	The influence of historic land-use changes on hillslope erosion and sediment redistribution. <i>Holocene</i> , 2016, 26, 1248-1261.	1.7	20
26	A pluvial episode identified in arid Australia during the Medieval Climatic Anomaly. <i>Quaternary Science Reviews</i> , 2012, 56, 167-171.	3.0	18
27	The processes and timing of sediment delivery from headwaters to the trunk stream of a Central European mountain gully catchment. <i>Geomorphology</i> , 2013, 201, 215-226.	2.6	18
28	Towards a physical description of habitat: quantifying environmental adversity (abiotic stress) in temperate forest and woodland ecosystems. <i>Journal of Ecology</i> , 2009, 97, 964-971.	4.0	17
29	HydroMix v1.0: a new Bayesian mixing framework for attributing uncertain hydrological sources. <i>Geoscientific Model Development</i> , 2020, 13, 2433-2450.	3.6	16
30	Seasonal snow cover decreases young water fractions in high Alpine catchments. <i>Hydrological Processes</i> , 2020, 34, 4794-4813.	2.6	15
31	Contrasting changes in hydrological processes of the Volta River basin under global warming. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1481-1506.	4.9	12
32	Gully catchments as a sediment sink, not just a source: Results from a long-term (~12 500 year) sediment budget. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 486-498.	2.5	11
33	Evaluating integrated water management strategies to inform hydrological drought mitigation. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3113-3139.	3.6	10
34	Event-based deep drainage and percolation dynamics in Vertosols and Chromosols. <i>Hydrological Processes</i> , 2020, 34, 370-386.	2.6	5
35	Effect of two types of tree guards (with and without weed control) on tree seedling establishment. <i>Ecological Management and Restoration</i> , 2010, 11, 75-76.	1.5	4
36	Similarities Between Spaceborne Active and Airborne Passive Microwave Observations at 1 km Resolution. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 2178-2182.	3.1	4

#	ARTICLE	IF	CITATIONS
37	Revisiting the abandoned shorelines of Lake George, Australia: a refined optical dating framework. Journal of Quaternary Science, 2021, 36, 1052-1072.	2.1	2