Ryan Morrison

List of Publications by Year
in descending order

35 papers	**472** citations	623734 **14** h-index	752698 **20** g-index
38 all docs	**38** docs citations	**38** times ranked	**537** citing authors

#	Article	IF	Citations
1	Data-driven approaches for runoff prediction using distributed data. Stochastic Environmental Research and Risk Assessment, 2022, 36, 2153-2171.	4.0	19
2	Biogeomorphic influences on river corridor resilience to wildfire disturbances in a mountain stream of the Southern Rockies, USA. Science of the Total Environment, 2022, 820, 153321.	8.0	18
3	Identification of Artificial Levees in the Contiguous United States. Water Resources Research, 2022, 58, .	4.2	18
4	Levees don't protect, they disconnect: A critical review of how artificial levees impact floodplain functions. Science of the Total Environment, 2022, 837, 155773.	8.0	33
5	A river ran through it: Floodplains as America's newest relict landform. Science Advances, 2022, 8, .	10.3	15
6	High-resolution flood precipitation and streamflow relationships in two US river basins. Meteorological Applications, 2021, 28, e1979.	2.1	5
7	R2Cross: A Web-Based Decision Support Tool for Instream Flows. Journal of the American Water Resources Association, 2021, 57, 652-660.	2.4	3
8	Multiple-Depth Soil Moisture Estimates Using Artificial Neural Network and Long Short-Term Memory Models. Water (Switzerland), 2021, 13, 2584.	2.7	10
9	The changing face of floodplains in the Mississippi River Basin detected by a 60-year land use change dataset. Scientific Data, 2021, 8, 271.	5.3	18
10	Adding our leaves: A community-wide perspective on research directions in ecohydrology. Hydrological Processes, 2020, 34, 1665-1673.	2.6	3
11	Quantitative assessment of floodplain functionality using an index of integrity. Ecological Indicators, 2020, 111, 106051.	6.3	9
12	Relationships between riparian evapotranspiration and groundwater depth along a semiarid irrigated river valley. Hydrological Processes, 2020, 34, 1714-1727.	2.6	17
13	Investigating hydrogeomorphic floodplain mapping performance with varying DTM resolution and stream order. Hydrological Sciences Journal, 2019, 64, 525-538.	2.6	37
14	Understanding the Large-Scale Influence of Levees on Floodplain Connectivity Using a Hydrogeomorphic Approach. Journal of the American Water Resources Association, 2019, 55, 413-429.	2.4	18
15	Scalable Flux Metrics at the Channel-Floodplain Interface as Indicators of Lateral Surface Connectivity During Flood Events. Water Resources Research, 2019, 55, 9788-9807.	4.2	6
16	Assessing the Hydrogeomorphic Effects of Environmental Flows using Hydrodynamic Modeling. Environmental Management, 2018, 62, 352-364.	2.7	2
17	Spatial Relationships of Levees and Wetland Systems within Floodplains of the Wabash Basin, USA. Journal of the American Water Resources Association, 2018, 54, 934-948.	2.4	11
18	An indicator-based approach to assessing resilience of socio-hydrologic systems in Nepal to hydropower development. Journal of Hydrology, 2018, 563, 1111-1118.	5.4	10

#	Article	IF	Citations
19	Hydrologic scaling for hydrogeomorphic floodplain mapping: Insights into human‐induced floodplain disconnectivity. River Research and Applications, 2018, 34, 675-685.	1.7	28
20	Governing the Rio Grande: Challenges and Opportunities for New Mexico's Water Supply. , 2018, , 99-114.		3
21	Evaluating the impacts of hydrologic and geomorphic alterations on floodplain connectivity. Ecohydrology, 2017, 10, e1833.	2.4	28
22	Regime shifts and panarchies in regional scale social-ecological water systems. Ecology and Society, 2017, 22, 1-31.	2.3	52
23	Five ways to support interdisciplinary work before tenure. Journal of Environmental Studies and Sciences, 2016, 6, 260-267.	2.0	27
24	Investigating Environmental Flows for Riparian Vegetation Recruitment Using System Dynamics Modelling. River Research and Applications, 2015, 31, 485-496.	1.7	11
25	Evaluating the Impacts of Environmental Flow Alternatives on Reservoir and Recreational Operations Using System Dynamics Modeling. Journal of the American Water Resources Association, 2015, 51, 33-46.	2.4	12
26	Spatially implemented <scp>B</scp>ayesian network model to assess environmental impacts of water management. Water Resources Research, 2014, 50, 8107-8124.	4.2	24
27	Environmental response of a desert springbrook to incremental discharge reductions, Death Valley National Park, California, USA. Journal of Arid Environments, 2013, 99, 5-13.	2.4	11
28	A Classification Framework for Running Adaptive Management Rapids. Ecology and Society, 2013, 18, .	2.3	3
29	Turbulence characteristics of flow in a spiral corrugated culvert fitted with baffles and implications for fish passage. Ecological Engineering, 2009, 35, 381-392.	3.6	19
30	Turbulence Characteristics of Flow in a Spiral Corrugated Culvert Fitted with Sloped- and Slotted-Weir Baffles. , 2008, , .		0
31	Turbulence Characteristics of Flow in a Culvert with Sloped-Weir Baffles. , 2006, , 1.		0
32	Hydrodynamics of Juvenile Salmon Passage in Sloped-Baffle Culverts. , 2006, , 1.		0
33	Turbulence Observations in Cobble-Bed Rivers. , 2006, , 1.		2
34	The Influence of Successional Development on Periphyton Scour Resistance. , 2005, , 1.		0
35	A Classification Framework for Running Adaptive Management Rapids. SSRN Electronic Journal, 0, , .	0.4	0