

# Ryan Morrison

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

472  
citations

623188

14  
h-index

752256

20  
g-index

38  
all docs

38  
docs citations

38  
times ranked

537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regime shifts and panarchies in regional scale social-ecological water systems. <i>Ecology and Society</i> , 2017, 22, 1-31.	1.0	52
2	Investigating hydrogeomorphic floodplain mapping performance with varying DTM resolution and stream order. <i>Hydrological Sciences Journal</i> , 2019, 64, 525-538.	1.2	37
3	Levees don't protect, they disconnect: A critical review of how artificial levees impact floodplain functions. <i>Science of the Total Environment</i> , 2022, 837, 155773.	3.9	33
4	Evaluating the impacts of hydrologic and geomorphic alterations on floodplain connectivity. <i>Ecohydrology</i> , 2017, 10, e1833.	1.1	28
5	Hydrologic scaling for hydrogeomorphic floodplain mapping: Insights into human-induced floodplain disconnectivity. <i>River Research and Applications</i> , 2018, 34, 675-685.	0.7	28
6	Five ways to support interdisciplinary work before tenure. <i>Journal of Environmental Studies and Sciences</i> , 2016, 6, 260-267.	0.9	27
7	Spatially implemented Bayesian network model to assess environmental impacts of water management. <i>Water Resources Research</i> , 2014, 50, 8107-8124.	1.7	24
8	Turbulence characteristics of flow in a spiral corrugated culvert fitted with baffles and implications for fish passage. <i>Ecological Engineering</i> , 2009, 35, 381-392.	1.6	19
9	Data-driven approaches for runoff prediction using distributed data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 2153-2171.	1.9	19
10	Understanding the Large-Scale Influence of Levees on Floodplain Connectivity Using a Hydrogeomorphic Approach. <i>Journal of the American Water Resources Association</i> , 2019, 55, 413-429.	1.0	18
11	The changing face of floodplains in the Mississippi River Basin detected by a 60-year land use change dataset. <i>Scientific Data</i> , 2021, 8, 271.	2.4	18
12	Biogeomorphic influences on river corridor resilience to wildfire disturbances in a mountain stream of the Southern Rockies, USA. <i>Science of the Total Environment</i> , 2022, 820, 153321.	3.9	18
13	Identification of Artificial Levees in the Contiguous United States. <i>Water Resources Research</i> , 2022, 58, .	1.7	18
14	Relationships between riparian evapotranspiration and groundwater depth along a semiarid irrigated river valley. <i>Hydrological Processes</i> , 2020, 34, 1714-1727.	1.1	17
15	A river ran through it: Floodplains as America's newest relict landform. <i>Science Advances</i> , 2022, 8, .	4.7	15
16	Evaluating the Impacts of Environmental Flow Alternatives on Reservoir and Recreational Operations Using System Dynamics Modeling. <i>Journal of the American Water Resources Association</i> , 2015, 51, 33-46.	1.0	12
17	Environmental response of a desert springbrook to incremental discharge reductions, Death Valley National Park, California, USA. <i>Journal of Arid Environments</i> , 2013, 99, 5-13.	1.2	11
18	Investigating Environmental Flows for Riparian Vegetation Recruitment Using System Dynamics Modelling. <i>River Research and Applications</i> , 2015, 31, 485-496.	0.7	11

#	ARTICLE	IF	CITATIONS
19	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.	1.0	11
20	An indicator-based approach to assessing resilience of socio-hydrologic systems in Nepal to hydropower development. Journal of Hydrology, 2018, 563, 1111-1118.	2.3	10
21	Multiple-Depth Soil Moisture Estimates Using Artificial Neural Network and Long Short-Term Memory Models. Water (Switzerland), 2021, 13, 2584.	1.2	10
22	Quantitative assessment of floodplain functionality using an index of integrity. Ecological Indicators, 2020, 111, 106051.	2.6	9
23	Scalable Flux Metrics at the Channel-Floodplain Interface as Indicators of Lateral Surface Connectivity During Flood Events. Water Resources Research, 2019, 55, 9788-9807.	1.7	6
24	High-resolution flood precipitation and streamflow relationships in two US river basins. Meteorological Applications, 2021, 28, e1979.	0.9	5
25	A Classification Framework for Running Adaptive Management Rapids. Ecology and Society, 2013, 18, .	1.0	3
26	Adding our leaves: A community-wide perspective on research directions in ecohydrology. Hydrological Processes, 2020, 34, 1665-1673.	1.1	3
27	R2Cross: A Web-Based Decision Support Tool for Instream Flows. Journal of the American Water Resources Association, 2021, 57, 652-660.	1.0	3
28	Governing the Rio Grande: Challenges and Opportunities for New Mexico's Water Supply. , 2018, , 99-114.		3
29	Turbulence Observations in Cobble-Bed Rivers. , 2006, , 1.		2
30	Assessing the Hydrogeomorphic Effects of Environmental Flows using Hydrodynamic Modeling. Environmental Management, 2018, 62, 352-364.	1.2	2
31	The Influence of Successional Development on Periphyton Scour Resistance. , 2005, , 1.		0
32	Turbulence Characteristics of Flow in a Culvert with Sloped-Weir Baffles. , 2006, , 1.		0
33	Hydrodynamics of Juvenile Salmon Passage in Sloped-Baffle Culverts. , 2006, , 1.		0
34	Turbulence Characteristics of Flow in a Spiral Corrugated Culvert Fitted with Sloped- and Slotted-Weir Baffles. , 2008, , .		0
35	A Classification Framework for Running Adaptive Management Rapids. SSRN Electronic Journal, 0, , .	0.4	0