

# A NEW FLASHINESS INDEX: CHARACTERISTICS AND STREAMS

Journal of the American Water Resources Association  
40, 503-522

DOI: [10.1111/j.1752-1688.2004.tb01046.x](https://doi.org/10.1111/j.1752-1688.2004.tb01046.x)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Evaluation of Mulching Methods for Erosion Control on Newly Prepared and Seeded Highway Backslopes <sup>1</sup> . Agronomy Journal, 1967, 59, 83-85.	0.9	37
3	Effect of Pulsing on Macrophyte Productivity and Nutrient Uptake: A Wetland Mesocosm Experiment. American Midland Naturalist, 2005, 154, 305-319.	0.2	12
4	Effects of sampling frequency on estimates of dissolved silica export by streams: The role of hydrological variability and concentration-discharge relationships. Water Resources Research, 2006, 42, .	1.7	36
5	Timing of Riverine Export of Nitrate and Phosphorus from Agricultural Watersheds in Illinois: Implications for Reducing Nutrient Loading to the Mississippi River. Environmental Science & Technology, 2006, 40, 4126-4131.	4.6	358
6	A Third Party Tmdl for the East Fork Little Miami River. Proceedings of the Water Environment Federation, 2007, 2007, 64-80.	0.0	0
7	UNDERSTANDING UNCERTAINTY IN THE EFFECT OF LOW-HEAD DAMS ON FISHES OF GREAT LAKES TRIBUTARIES. , 2007, 17, 1783-1796.		18
8	Changes in Aquatic Habitat and Geomorphic Response to Urbanization, with Implications for Assessing Habitat Degradation. , 2007, , .		2
9	Stream flow in Minnesota: Indicator of climate change. Journal of Hydrology, 2007, 334, 319-333.	2.3	311
10	The use of flow variability analysis to assess the impact of land use change on the paired Plynlimon catchments, mid-Wales. Journal of Hydrology, 2007, 347, 487-496.	2.3	33
11	Flow path influence on an N:P ratio in two headwater streams: A paired watershed study. Journal of Geophysical Research, 2007, 112, .	3.3	26
12	Assessing regional land-use/cover influences on New Jersey Pinelands streamflow through hydrograph analysis. Hydrological Processes, 2007, 21, 185-197.	1.1	36
13	Contrasting nutrient exports from a forested and an agricultural catchment in south-eastern Australia. Biogeochemistry, 2007, 84, 247-264.	1.7	28
14	Morphological diversity among fishes in a Great Plains river drainage. Hydrobiologia, 2008, 596, 367-386.	1.0	14
15	Recent habitat association and the historical decline of <i>Notropis simus pecosensis</i> . River Research and Applications, 2008, 24, 789-803.	0.7	26
16	Precipitation control over inorganic nitrogen import/export budgets across watersheds: a synthesis of long-term ecological research. Ecohydrology, 2008, 1, 105-117.	1.1	26
17	Characterizing Storm Hydrograph Rise and Fall Dynamics With Stream Stage Data <sup>1</sup> . Journal of the American Water Resources Association, 2008, 44, 1431-1440.	1.0	20
18	Ecological engineering of floodplains. Ecohydrology and Hydrobiology, 2008, 8, 139-147.	1.0	42
19	Spatiotemporal Population Trends of <i>Notropis simus pecosensis</i> in Relation to Habitat Conditions and the Annual Flow Regime of the Pecos River, 1992-2005. Copeia, 2008, 2008, 5-15.	1.4	30

#	ARTICLE	IF	CITATIONS
20	Rehabilitation of an Incised Stream Using Plant Materials: the Dominance of Geomorphic Processes. <i>Ecology and Society</i> , 2008, 13, .	1.0	40
21	Historical Analysis of the Relationship of Streamflow Flashiness with Population Density, Imperviousness, and Percent Urban Land Cover in the Mid-Atlantic Region. , 2008, , .		1
22	Relative Importance of Hydrological and Sediment-Transport Characteristics Affecting Effective Discharge of Small Urban Streams in Southern Ontario. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 698-710.	0.8	20
23	Assessment Tools for Urban Catchments: Developing Stressor Gradients <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2009, 45, 291-305.	1.0	11
24	Assessment Tools for Urban Catchments: Developing Biological Indicators Based on Benthic Macroinvertebrates <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2009, 45, 306-319.	1.0	29
25	Linking Hydrologic Alteration to Biological Impairment in Urbanizing Streams of the Puget Lowland, Washington, USA <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2009, 45, 512-533.	1.0	48
26	Ecosystem Consequences of Contrasting Flow Regimes in an Urban Effects Stream Mesocosm Study <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2009, 45, 907-927.	1.0	14
27	Water balance comparison of two small experimental basins with different vegetation cover. <i>Biologia (Poland)</i> , 2009, 64, 487-491.	0.8	10
28	Urban streams in Puerto Rico: what can we learn from the tropics?. <i>Journal of the North American Benthological Society</i> , 2009, 28, 1070-1079.	3.0	69
29	Relationship of stream ecological conditions to simulated hydraulic metrics across a gradient of basin urbanization. <i>Journal of the North American Benthological Society</i> , 2009, 28, 955-976.	3.0	8
30	Hydrologic alteration assessment in Mediterranean rivers: Perspective from a South Italy case study. <i>International Journal of River Basin Management</i> , 2009, 7, 365-377.	1.5	5
31	Development of a local-scale urban stream assessment method using benthic macroinvertebrates: an example from the Santa Clara Basin, California. <i>Journal of the North American Benthological Society</i> , 2009, 28, 1007-1021.	3.0	10
32	Hydrology of channelized and natural headwater streams / Hydrologie de cours d'eau recalibrés et naturels de tête de bassin. <i>Hydrological Sciences Journal</i> , 2009, 54, 929-948.	1.2	25
33	Determination of biologically significant hydrologic condition metrics in urbanizing watersheds: an empirical analysis over a range of environmental settings. <i>Hydrobiologia</i> , 2010, 654, 27-55.	1.0	16
34	The effect of urbanization on stream hydrology in hillslope watersheds in central Texas. <i>Hydrological Processes</i> , 2010, 24, 3706-3717.	1.1	21
35	Exploring uncertainty and model predictive performance concepts via a modular snowmelt-runoff modeling framework. <i>Environmental Modelling and Software</i> , 2010, 25, 691-701.	1.9	34
36	The stream channel incision syndrome and water quality. <i>Ecological Engineering</i> , 2010, 36, 78-90.	1.6	67
37	Determining the effects of dams on subdaily variation in river flows at a whole-basin scale. <i>River Research and Applications</i> , 2010, 26, 1246-1260.	0.7	80

#	ARTICLE	IF	CITATIONS
38	Hydrologic and Morphologic Variability of Streams With Different Cranberry Agriculture Histories, Southern New Jersey, United States. Journal of the American Water Resources Association, 2010, 46, 527-540.	1.0	2
39	Two-Stage Ditch Assessment using the CONCEPTS Model. , 2010, , .		0
40	Hydroclimatic Response of Watersheds to Urban Intensity: An Observational and Modeling-Based Analysis for the White River Basin, Indiana. Journal of Hydrometeorology, 2010, 11, 122-138.	0.7	74
41	Hydrologic impacts of projected future climate change in the Lake Michigan region. Journal of Great Lakes Research, 2010, 36, 33-50.	0.8	80
42	Framework for designing and applying peak runoff control structures for peatland forestry conditions. Forest Ecology and Management, 2010, 260, 1262-1273.	1.4	12
43	Regression estimates of design flows for ungaged sites using bankfull geometry and flashiness. Catena, 2010, 81, 117-125.	2.2	5
44	Effects of flooding and riparian buffers on survival of muskrats ( <i>Ondatra zibethicus</i> ) across a flashiness gradient. Canadian Journal of Zoology, 2010, 88, 1011-1020.	0.4	16
45	Effects of urbanization and urban stream restoration on the physical and biological structure of stream ecosystems. , 2011, 21, 1932-1949.		221
46	Quantifying Phosphorus Retention and Release in Rivers and Watersheds Using Extended End-Member Mixing Analysis (EMMA). Journal of Environmental Quality, 2011, 40, 492-504.	1.0	35
47	Context for re-evaluating agricultural source phosphorus loadings to the Great Lakes. Canadian Journal of Soil Science, 2011, 91, 317-327.	0.5	90
48	Climate change and runoff from agricultural catchments in Norway. International Journal of Climate Change Strategies and Management, 2011, 3, 345-360.	1.5	32
49	Rating curve estimation of nutrient loads in Iowa rivers. Journal of Hydrology, 2011, 396, 158-169.	2.3	92
50	Flashiness of mountain streams in Slovakia and Austria. Journal of Hydrology, 2011, 405, 392-401.	2.3	33
51	Habitat occupancy by riparian muskrats reveals tolerance to urbanization and invasive vegetation. Journal of Wildlife Management, 2011, 75, 1637-1645.	0.7	16
52	Nitrate retention in a sand plains stream and the importance of groundwater discharge. Biogeochemistry, 2011, 103, 91-107.	1.7	19
53	Hydropeaking indicators for characterization of the Upper-Rhone River in Switzerland. Aquatic Sciences, 2011, 73, 171-182.	0.6	98
54	Identification and quantification of the hydrological impacts of imperviousness in urban catchments: A review. Journal of Environmental Management, 2011, 92, 1438-1448.	3.8	420
55	Testing the Field of Dreams Hypothesis: functional responses to urbanization and restoration in stream ecosystems. , 2011, 21, 1972-1988.		117

#	ARTICLE	IF	CITATIONS
56	Stream Discharge in Tropical Headwater Catchments as a Result of Forest Clearing and Soil Degradation. <i>Earth Interactions</i> , 2012, 16, 1-18.	0.7	48
57	Stream discharge characteristics through urbanization gradient in Danshui River, Taiwan: perspectives from observation and simulation. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 5689-5703.	1.3	17
58	Observation of regional hydrological response during time periods of shifting policy. <i>Applied Geography</i> , 2012, 34, 456-470.	1.7	4
59	Assessing streamflow sensitivity to temperature increases in the Salmon River Basin, Idaho. <i>Global and Planetary Change</i> , 2012, 88-89, 32-44.	1.6	39
60	Tradeoffs among watershed model calibration targets for parameter estimation. <i>Water Resources Research</i> , 2012, 48, .	1.7	24
62	A novel approach to analysing the regimes of temporary streams in relation to their controls on the composition and structure of aquatic biota. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3165-3182.	1.9	101
63	RESERVOIR COMPENSATION RELEASES: IMPACT ON THE MACROINVERTEBRATE COMMUNITY OF THE DERWENT RIVER, NORTHUMBERLAND, UK—A LONGITUDINAL STUDY. <i>River Research and Applications</i> , 2012, 28, 692-702.	0.7	23
64	Preliminary Assessment of Mercury Accumulation in Massachusetts and Minnesota Seasonal Forest Pools. <i>Wetlands</i> , 2012, 32, 653-663.	0.7	8
65	Application of indicators of hydrologic alterations in the designation of heavily modified water bodies in Spain. <i>Environmental Science and Policy</i> , 2012, 16, 31-43.	2.4	29
66	Development of error correction techniques for nitrate-N load estimation methods. <i>Journal of Hydrology</i> , 2012, 432-433, 12-25.	2.3	28
67	Hydrogeologic and landscape controls of dissolved inorganic nitrogen (DIN) and dissolved silica (DSi) fluxes in heterogeneous catchments. <i>Journal of Hydrology</i> , 2012, 450-451, 36-47.	2.3	94
68	Effects of urbanization on stream hydrology and water quality: the Florida Gulf Coast. <i>Hydrological Processes</i> , 2012, 26, 2019-2030.	1.1	82
69	EFFECTS OF GRADE CONTROL STRUCTURES ON FISH PASSAGE, BIOLOGICAL ASSEMBLAGES AND HYDRAULIC ENVIRONMENTS IN WESTERN IOWA STREAMS: A MULTIDISCIPLINARY REVIEW. <i>River Research and Applications</i> , 2013, 29, 389-398.	0.7	7
70	Habitat and hydrology condition indices for the upper Mississippi, Missouri, and Ohio rivers. <i>Ecological Indicators</i> , 2013, 29, 111-124.	2.6	6
71	Streamflow Responses to Climate Change: Analysis of Hydrologic Indicators in a New York City Water Supply Watershed. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1308-1326.	1.0	35
72	Hydrologic Drivers and Seasonality of Dissolved Organic Carbon Concentration, Nitrogen Content, Bioavailability, and Export in a Forested New England Stream. <i>Ecosystems</i> , 2013, 16, 604-616.	1.6	100
73	Hydrologic response to climate change and human activities in a subtropical coastal watershed of southeast China. <i>Regional Environmental Change</i> , 2013, 13, 1195-1210.	1.4	30
74	A test of The Ecological Limits of Hydrologic Alteration (ELOHA) method for determining environmental flows in the Potomac River basin, U.S.A.. <i>Freshwater Biology</i> , 2013, 58, 2632-2647.	1.2	41

#	ARTICLE	IF	CITATIONS
75	Modeling effects of changing land use/cover on daily streamflow: An Artificial Neural Network and curve number based hybrid approach. <i>Journal of Hydrology</i> , 2013, 485, 103-112.	2.3	125
76	9.39 Urbanization and River Channels. , 2013, , 809-827.		18
77	Modeling and Calibration of Drainage Denitrification Bioreactor Design Criteria. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2013, 139, 699-709.	0.6	26
78	Optimizing environmental flows for multiple reaches affected by a multipurpose reservoir system in Taiwan: Restoring natural flow regimes at multiple temporal scales. <i>Water Resources Research</i> , 2013, 49, 565-584.	1.7	44
79	Using the Storm Water Management Model to predict urban headwater stream hydrological response to climate and land cover change. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4743-4758.	1.9	40
80	The impact of forest regeneration on streamflow in 12 mesoscale humid tropical catchments. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2613-2635.	1.9	85
81	Land use change effects on runoff generation in a humid tropical montane cloud forest region. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3543-3560.	1.9	106
82	Water displacement by sewer infrastructure in the Grote Nete catchment, Belgium, and its hydrological regime effects. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1119-1136.	1.9	16
83	Detection of changes in hydrologic system memory associated with urbanization in the Great Lakes region. <i>Water Resources Research</i> , 2014, 50, 3750-3763.	1.7	17
84	Attribution of detected changes in streamflow using multiple working hypotheses. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1935-1952.	1.9	63
85	Hydrologic impacts of side inlet storage modifications in an artificially drained agricultural landscape. , 2014, , .		0
86	Modification of artificial drainage networks during the past half-century: Evidence and effects in a reclamation area in the Veneto floodplain (Italy). <i>Anthropocene</i> , 2014, 6, 48-62.	1.6	41
87	The influence of watershed runoff on the hydrology, forest floor litter and soil carbon of headwater wetlands. <i>Ecohydrology</i> , 2014, 7, 803-814.	1.1	12
88	Flow, Organic, and Inorganic Sediment Yields from a Channelized Watershed in the South Carolina Lower Coastal Plain. <i>Journal of the American Water Resources Association</i> , 2014, 50, 943-962.	1.0	3
89	Interim Hydrologic Responses to Phase I of the Kissimmee River Restoration Project, Florida. <i>Restoration Ecology</i> , 2014, 22, 353-366.	1.4	7
90	Reprint of "Hydrological pathways and nitrogen runoff in agricultural dominated catchments in Nordic and Baltic countries" Agriculture, Ecosystems and Environment, 2014, 198, 65-73.	2.5	20
91	Estimating Sediment and Nutrient Loads in Four Western Lake Superior Streams. <i>Journal of the American Water Resources Association</i> , 2014, 50, 1138-1154.	1.0	17
92	A stochastic model of streamflow for urbanized basins. <i>Water Resources Research</i> , 2014, 50, 1984-2001.	1.7	33

#	ARTICLE	IF	CITATIONS
93	Sediment budget approach to understanding historical stages of the Ottawa River in the context of land-use change, northwestern Ohio and southeastern Michigan, USA. <i>Anthropocene</i> , 2014, 7, 42-56.	1.6	5
94	Analysis of Daily Peaking and Runoff River Operations with Flow Variability Metrics, Considering Subdaily to Seasonal Time Scales. <i>Journal of the American Water Resources Association</i> , 2014, 50, 1622-1640.	1.0	21
95	A computational tool for the characterisation of rapid fluctuations in flow and stage in rivers caused by hydropeaking. <i>Environmental Modelling and Software</i> , 2014, 55, 266-278.	1.9	53
96	Re-eutrophication of Lake Erie: Correlations between tributary nutrient loads and phytoplankton biomass. <i>Journal of Great Lakes Research</i> , 2014, 40, 496-501.	0.8	214
97	Habitat characteristics, temporal variability, and macroinvertebrate communities associated with a mat-forming nuisance diatom ( <i>Didymosphenia geminata</i> ) in Catskill mountain streams, New York. <i>Aquatic Sciences</i> , 2014, 76, 553-564.	0.6	18
98	Hydrologic responses to land cover change: the case of Jedeb mesoscale catchment, Abay/Upper Blue Nile basin, Ethiopia. <i>Hydrological Processes</i> , 2014, 28, 5149-5161.	1.1	47
99	The Impacts of Wind Power Integration on Sub-Daily Variation in River Flows Downstream of Hydroelectric Dams. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9844-9851.	4.6	28
100	Lagrangian analysis of the transport and processing of agricultural runoff in the lower Maumee River and Maumee Bay. <i>Journal of Great Lakes Research</i> , 2014, 40, 479-495.	0.8	31
101	Hydrological pathways and nitrogen runoff in agricultural dominated catchments in Nordic and Baltic countries. <i>Agriculture, Ecosystems and Environment</i> , 2014, 195, 211-219.	2.5	27
102	A new MONERIS in-Stream Retention Module to Account Nutrient Budget of a Temporary River in Cyprus. <i>Water Resources Management</i> , 2014, 28, 2917-2935.	1.9	3
103	Anthropogenic controls from urban growth on flow regimes. <i>Advances in Water Resources</i> , 2015, 84, 125-135.	1.7	18
104	Characterizing rainfall-runoff signatures from micro-catchments with contrasting land cover characteristics in southern Amazonia. <i>Hydrological Processes</i> , 2015, 29, 508-521.	1.1	22
105	Classifying the flow regimes of Mediterranean streams using multivariate analysis. <i>Hydrological Processes</i> , 2015, 29, 4666-4682.	1.1	53
106	The Influence of Two-stage Ditches with Constructed Floodplains on Water Column Nutrients and Sediments in Agricultural Streams. <i>Journal of the American Water Resources Association</i> , 2015, 51, 941-955.	1.0	71
107	Assessment of flow regime alterations over a spectrum of temporal scales using wavelet-based approaches. <i>Water Resources Research</i> , 2015, 51, 3317-3338.	1.7	14
108	Monitoring strategies of stream phosphorus under contrasting climate-driven flow regimes. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4099-4111.	1.9	24
109	Short-term hydrological responses to silvicultural treatments within a stream buffer zone: a case study. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2015, 39, 764-774.	0.8	4
110	Flow Regime Classification and Hydrological Characterization: A Case Study of Ethiopian Rivers. <i>Water (Switzerland)</i> , 2015, 7, 3149-3165.	1.2	39



#	ARTICLE	IF	CITATIONS
111	Uncertainty in nutrient loads from tile-drained landscapes: Effect of sampling frequency, calculation algorithm, and compositing strategy. <i>Journal of Hydrology</i> , 2015, 530, 306-316.	2.3	90
112	Characterizing Sub-Daily Flow Regimes: Implications of Hydrologic Resolution on Ecohydrology Studies. <i>River Research and Applications</i> , 2015, 31, 867-879.	0.7	82
113	Climate change and subsurface drainage design: results from a small field-scale catchment in south-western Norway. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015, 65, 58-65.	0.3	3
114	Grid-wide subdaily hydrologic alteration under massive wind power penetration in Chile. <i>Journal of Environmental Management</i> , 2015, 154, 183-189.	3.8	29
115	Agricultural drainage in Lithuania: a review of practices and environmental effects. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015, 65, 14-29.	0.3	8
116	Low productivity of Chinook salmon strongly correlates with high summer stream discharge in two Alaskan rivers in the Yukon drainage. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 1125-1137.	0.7	32
117	A scenario-based approach to integrating flow-ecology research with watershed development planning. <i>Landscape and Urban Planning</i> , 2015, 144, 74-89.	3.4	28
118	Larval fish assemblage recovery: a reflection of environmental change in a large degraded river. <i>Restoration Ecology</i> , 2015, 23, 85-93.	1.4	18
119	Watershed features and stream water quality: Gaining insight through path analysis in a Midwest urban landscape, U.S.A.. <i>Landscape and Urban Planning</i> , 2015, 143, 219-229.	3.4	30
120	Stream restoration and sewers impact sources and fluxes of water, carbon, and nutrients in urban watersheds. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3419-3439.	1.9	34
121	A systematic assessment of drought termination in the United Kingdom. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4265-4281.	1.9	70
122	Hydrologic Alteration Associated with Dam Construction in a Medium-Sized Coastal Watershed of Southeast China. <i>Water (Switzerland)</i> , 2016, 8, 317.	1.2	34
123	A New Fluctuation Index: Characteristics and Application to Hydro-Wind Systems. <i>Energies</i> , 2016, 9, 114.	1.6	21
124	From spatially variable streamflow to distributed hydrological models: Analysis of key modeling decisions. <i>Water Resources Research</i> , 2016, 52, 954-989.	1.7	78
125	Influence of winter season climate variability on snow-water precipitation ratio in the western United States. <i>International Journal of Climatology</i> , 2016, 36, 3175-3190.	1.5	62
126	Effect of bedrock permeability on stream base flow mean transit time scaling relations: 1. A multiscale catchment intercomparison. <i>Water Resources Research</i> , 2016, 52, 1358-1374.	1.7	86
127	Estimating stream solute loads from fixed frequency sampling regimes: the importance of considering multiple solutes and seasonal fluxes in the design of long-term stream monitoring networks. <i>Hydrological Processes</i> , 2016, 30, 1521-1535.	1.1	18
128	100 Years of Changing Hydrologic Conditions in the Mississippi River Basin: Precipitation and Water Yield. , , .		0



#	ARTICLE	IF	CITATIONS
129	How much conservation is enough? Defining implementation goals for healthy fish communities in agricultural rivers. <i>Journal of Great Lakes Research</i> , 2016, 42, 1302-1321.	0.8	28
130	Adaptive measurements of urban runoff quality. <i>Water Resources Research</i> , 2016, 52, 8986-9000.	1.7	19
131	Using spatially explicit indicators to investigate watershed characteristics and stream temperature relationships. <i>Science of the Total Environment</i> , 2016, 551-552, 376-386.	3.9	19
132	The effect of flow data resolution on sediment yield estimation and channel design. <i>Journal of Hydrology</i> , 2016, 538, 429-439.	2.3	5
133	Climate change and dissolved organic carbon export to the Gulf of Maine. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2700-2716.	1.3	41
134	A spatially distributed model for assessment of the effects of changing land use and climate on urban stream quality. <i>Hydrological Processes</i> , 2016, 30, 4779-4798.	1.1	34
135	Regionalization of land use impacts on streamflow using a network of paired catchments. <i>Water Resources Research</i> , 2016, 52, 6710-6729.	1.7	34
136	A synthetic study to evaluate the utility of hydrological signatures for calibrating a base flow separation filter. <i>Water Resources Research</i> , 2016, 52, 6526-6540.	1.7	13
137	Hydrologic and biogeochemical controls on phosphorus export from Western Lake Erie tributaries. <i>Journal of Great Lakes Research</i> , 2016, 42, 1403-1411.	0.8	30
138	Characterizing Runoff and Water Yield for Headwater Catchments in the Southern Sierra Nevada. <i>Journal of the American Water Resources Association</i> , 2016, 52, 1327-1346.	1.0	41
139	Using macroinvertebrate assemblages and multiple stressors to infer urban stream system condition: a case study in the central US. <i>Urban Ecosystems</i> , 2016, 19, 679-704.	1.1	25
140	Optimisation as a process for understanding and managing river ecosystems. <i>Environmental Modelling and Software</i> , 2016, 83, 167-178.	1.9	21
141	Relating stream function and land cover in the Middle Pee Dee River Basin, SC. <i>Journal of Hydrology: Regional Studies</i> , 2016, 5, 261-275.	1.0	2
142	Uncertainty in Flow Time-Series Predictions in a Tropical Monsoon-Dominated Catchment in Northern Thailand. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, 04016036.	0.8	2
143	The Hydropower Potential Assessment Tool (HPAT): Evaluation of run-of-river resource potential for any global land area and application to Falls Creek, Oregon, USA. <i>Renewable Energy</i> , 2016, 97, 492-503.	4.3	9
144	Recent Changes in Stream Flashiness and Flooding, and Effects of Flood Management in North Carolina and Virginia. <i>Journal of the American Water Resources Association</i> , 2016, 52, 561-577.	1.0	15
145	Effect of urbanization on the long-term persistence of streamflow records. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 447, 208-221.	1.2	15
146	Prey distribution, potential landscape supplementation, and urbanization affect occupancy dynamics of American mink in streams. <i>Landscape Ecology</i> , 2016, 31, 1601-1613.	1.9	17

#	ARTICLE	IF	CITATIONS
147	Use of a flashiness index to predict phosphorus losses from subsurface drains on a Swedish farm with clay soils. <i>Journal of Hydrology</i> , 2016, 533, 581-590.	2.3	15
148	Wetland Water-Level Prediction Using ANN in Conjunction with Base-Flow Recession Analysis. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	17
149	Effects of Impervious Area and BMP Implementation and Design on Storm Runoff and Water Quality in Eight Small Watersheds. <i>Journal of the American Water Resources Association</i> , 2017, 53, 382-399.	1.0	19
150	Multicriteria assessment of water dynamics reveals subcatchment variability in a seemingly homogeneous tropical cloud forest catchment. <i>Hydrological Processes</i> , 2017, 31, 1456-1468.	1.1	3
151	Channel response to sediment release: insights from a paired analysis of dam removal. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1636-1651.	1.2	34
152	Characterizing effects of hydropower plants on sub-daily flow regimes. <i>Journal of Hydrology</i> , 2017, 550, 186-200.	2.3	60
153	Urban Land use Affects Resident Fish Communities and Associated Salt Marsh Habitat in Alabama and West Florida, USA. <i>Wetlands</i> , 2017, 37, 715-727.	0.7	6
154	Application of regional flow-ecology relationships to inform watershed management decisions: Application of the ELOHA framework in the San Diego River watershed, California, USA. <i>Ecohydrology</i> , 2017, 10, e1869.	1.1	24
155	Distribution of surface imperviousness in small urban catchments predicts runoff peak flows and stream flashiness. <i>Hydrological Processes</i> , 2017, 31, 2990-3002.	1.1	49
156	Modeled hydrologic metrics show links between hydrology and the functional composition of stream assemblages. <i>Ecological Applications</i> , 2017, 27, 1605-1617.	1.8	17
157	Effects of Urbanization on Flow Duration and Stream Flashiness: A Case Study of Puget Sound Streams, Western Washington, <sc>USA</sc>. <i>Journal of the American Water Resources Association</i> , 2017, 53, 493-507.	1.0	58
158	On the impact of gaps on trend detection in extreme streamflow time series. <i>International Journal of Climatology</i> , 2017, 37, 3976-3983.	1.5	23
159	Live diatoms as indicators of urban stormwater runoff. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 37.	1.3	5
160	Hydrological and environmental controls of the stream nitrate concentration and flux in a small agricultural watershed. <i>Journal of Hydrology</i> , 2017, 545, 355-366.	2.3	52
161	Water Quality Signals from Rural Land Use and Exurbanization in a Mountain Landscape: What's Clear and What's Confounded?. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1212-1228.	1.0	18
162	Hydrologic metrics for status-and-trends monitoring in urban and urbanizing watersheds. <i>Hydrological Processes</i> , 2017, 31, 4507-4519.	1.1	8
163	The influence of low-intensity watershed development on the hydrology, geomorphology, physicochemistry and macroinvertebrate diversity of small coastal plains streams. <i>Ecological Engineering</i> , 2017, 108, 380-390.	1.6	11
164	Urbanisation impacts on storm runoff along a rural-urban gradient. <i>Journal of Hydrology</i> , 2017, 552, 474-489.	2.3	61

#	ARTICLE	IF	CITATIONS
165	Evaluation of infiltration-based stormwater management to restore hydrological processes in urban headwater streams. <i>Hydrological Processes</i> , 2017, 31, 3306-3319.	1.1	35
166	Continuity vs. the Crowd Tradeoffs Between Continuous and Intermittent Citizen Hydrology Streamflow Observations. <i>Environmental Management</i> , 2017, 60, 12-29.	1.2	19
167	Flashiness and Flooding of Two Lakes in the Upper Midwest During a Century of Urbanization and Climate Change. <i>Ecosystems</i> , 2017, 20, 601-615.	1.6	11
168	Modeling nutrient removal using watershed-scale implementation of the two-stage ditch. <i>Ecological Engineering</i> , 2017, 108, 358-369.	1.6	34
169	Characterising the hydrological regime of an ungauged temporary river system: a case study. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13950-13966.	2.7	29
170	Complexity as a streamflow metric of hydrologic alteration. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 2107-2119.	1.9	21
171	Availability of high-magnitude streamflow for groundwater banking in the Central Valley, California. <i>Environmental Research Letters</i> , 2017, 12, 084009.	2.2	70
172	Statistical analysis of hydrological response in urbanising catchments based on adaptive sampling using inter-amount times. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1991-2013.	1.9	8
173	Full Spectrum Analytical Channel Design with the Capacity/Supply Ratio (CSR). <i>Water (Switzerland)</i> , 2017, 9, 271.	1.2	7
174	Modeling the Multi-Seasonal Link between the Hydrodynamics of a Reservoir and Its Hydropower Plant Operation. <i>Water (Switzerland)</i> , 2017, 9, 367.	1.2	19
175	Flood risk reduction and flow buffering as ecosystem services Part 1: Theory on flow persistence, flashiness and base flow. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2321-2340.	1.9	27
176	Flood risk reduction and flow buffering as ecosystem services Part 2: Land use and rainfall intensity effects in Southeast Asia. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2341-2360.	1.9	17
177	Increased Soluble Phosphorus Loads to Lake Erie: Unintended Consequences of Conservation Practices?. <i>Journal of Environmental Quality</i> , 2017, 46, 123-132.	1.0	226
178	Estimation of Instantaneous Peak Flow Using Machine-Learning Models and Empirical Formula in Peninsular Spain. <i>Water (Switzerland)</i> , 2017, 9, 347.	1.2	27
179	Vertical Stratification of Soil Phosphorus as a Concern for Dissolved Phosphorus Runoff in the Lake Erie Basin. <i>Journal of Environmental Quality</i> , 2017, 46, 1287-1295.	1.0	95
180	An inter-comparison of similarity-based methods for organisation and classification of groundwater hydrographs. <i>Journal of Hydrology</i> , 2018, 559, 222-237.	2.3	29
181	Spatio-temporal analysis of phosphorus concentrations in a North-Eastern German lowland watershed. <i>Journal of Hydrology: Regional Studies</i> , 2018, 15, 203-216.	1.0	13
182	Detection of trends in magnitude and frequency of flood peaks across Europe. <i>Hydrological Sciences Journal</i> , 2018, 63, 493-512.	1.2	68

#	ARTICLE	IF	CITATIONS
183	Multi-temporal flood mapping and satellite altimetry used to evaluate the flood dynamics of the Bolivian Amazon wetlands. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 69, 27-40.	1.4	25
184	Signatureâ€Domain Calibration of Hydrological Models Using Approximate Bayesian Computation: Theory and Comparison to Existing Applications. <i>Water Resources Research</i> , 2018, 54, 4059-4083.	1.7	32
185	Signatureâ€Domain Calibration of Hydrological Models Using Approximate Bayesian Computation: Empirical Analysis of Fundamental Properties. <i>Water Resources Research</i> , 2018, 54, 3958-3987.	1.7	32
186	Assessing uncertainty in annual nitrogen, phosphorus, and suspended sediment load estimates in three agricultural streams using a 21-year dataset. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 91.	1.3	12
187	Assessing strategies to mitigate phosphorus leaching from drained clay soils. <i>Ambio</i> , 2018, 47, 114-123.	2.8	9
188	Quantifying land use influences on event-based flow frequency, timing, magnitude, and rate of change in an urbanizing watershed of the central USA. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	9
189	Diverse multi-decadal changes in streamflow within a rapidly urbanizing region. <i>Journal of Hydrology</i> , 2018, 556, 61-71.	2.3	32
190	Effect of Periâ€Urban Development and Lithology on Streamflow in a Mediterranean Catchment. <i>Land Degradation and Development</i> , 2018, 29, 1141-1153.	1.8	19
191	Regionalization of annual runoff characteristics and its indication of co-dependence among hydro-climateâ€landscape factors in Jinghe River Basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1613-1630.	1.9	10
192	Scaling biodiversity responses to hydrological regimes. <i>Biological Reviews</i> , 2018, 93, 971-995.	4.7	93
193	Estimation of Stream Health Using Flow-Based Indices. <i>Hydrology</i> , 2018, 5, 20.	1.3	18
194	Flashiness Index of Several Rivers in the Citarum Basin, West Java. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 145, 012107.	0.2	1
195	Model and Analysis of Integrating Wind and PV Power in Remote and Core Areas with Small Hydropower and Pumped Hydropower Storage. <i>Energies</i> , 2018, 11, 3459.	1.6	18
196	Bayesian chemistry-assisted hydrograph separation (BACH) and nutrient load partitioning from monthly stream phosphorus and nitrogen concentrations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 3475-3501.	1.9	12
197	Drought Facilitates Species Invasions in an Urban Stream: Results From a Long-Term Study of Tropical Island Fish Assemblage Structure. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	15
198	Give and Take: A Watershed Acid Rain Mitigation Experiment Increases Baseflow Nitrogen Retention but Increases Stormflow Nitrogen Export. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13155-13165.	4.6	16
199	Relations of interannual differences in stream litter breakdown with discharge: bioassessment implications. <i>Ecosphere</i> , 2018, 9, e02423.	1.0	10
200	Disentangling the effects of climate and urban growth on streamflow for sustainable urban development: A stochastic approach to flow regime attribution. <i>Landscape and Urban Planning</i> , 2018, 177, 160-170.	3.4	4

#	ARTICLE	IF	CITATIONS
201	Characterization and evaluation of controls on post-fire streamflow response across western US watersheds. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1221-1237.	1.9	43
202	Watershed- to continental-scale influences on winter stormflow in the Southern Blue Ridge Mountains. <i>Journal of Hydrology</i> , 2018, 563, 643-656.	2.3	3
203	High-resolution hydrometeorological data from a network of headwater catchments in the tropical Andes. <i>Scientific Data</i> , 2018, 5, 180080.	2.4	36
204	Determination of subcatchment and watershed boundaries in a complex and highly urbanized landscape. <i>Hydrological Processes</i> , 2018, 32, 2845-2855.	1.1	15
205	Impacts of baseflow contribution on the streamflow variability of major river systems in Korea. <i>Paddy and Water Environment</i> , 2018, 16, 835-855.	1.0	1
206	Effects of hydropeaking operations on the growth of Alabama bass <i>Micropterus henshalli</i> and redeye bass <i>Micropterus coosae</i> in the Tallapoosa River, Alabama, USA. <i>River Research and Applications</i> , 2018, 34, 918-926.	0.7	6
207	Increasing Stage Variability of the Mississippi River. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, 05018016.	0.8	2
208	Integrating wind, photovoltaic, and large hydropower during the reservoir refilling period. <i>Energy Conversion and Management</i> , 2019, 198, 111778.	4.4	28
209	Methods for Assessing Expected Flood Potential and Variability: Southern Rocky Mountains Region. <i>Water Resources Research</i> , 2019, 55, 6392-6416.	1.7	4
210	Dynamics of wet-season turbidity in relation to precipitation, discharge, and land cover in three urbanizing watersheds, Oregon. <i>River Research and Applications</i> , 2019, 35, 892-904.	0.7	19
211	The Effects of Urbanization and Retention-Based Stormwater Management on Coastal Plain Stream Nutrient Export. <i>Water Resources Research</i> , 2019, 55, 7027-7046.	1.7	17
212	Comparison of discharge pulses in temperate and tropical rainforest headwater stream networks. <i>Journal of Hydrology</i> , 2019, 579, 124236.	2.3	3
213	Urbanization in Arid Central Arizona Watersheds Results in Decreased Stream Flashiness. <i>Water Resources Research</i> , 2019, 55, 9436-9453.	1.7	24
214	Effects of sampling strategies and estimation algorithms on total nitrogen load determination in a small agricultural headwater watershed. <i>Journal of Hydrology</i> , 2019, 579, 124114.	2.3	16
215	New Index for Runoff Variability Analysis in Rainfall Driven Rivers in Southeastern United States. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	2
216	Contrasting behavior of nitrate and phosphate flux from high flow events on small agricultural and urban watersheds. <i>Biogeochemistry</i> , 2019, 145, 141-160.	1.7	21
217	Hydrologic Extremes and Legacy Sources Can Override Efforts to Mitigate Nutrient and Sediment Losses at the Catchment Scale. <i>Journal of Environmental Quality</i> , 2019, 48, 1314-1324.	1.0	22
218	Hydrometeorological Conditions Preceding Extreme Streamflow for the Charles and Mystic River Basins of Eastern Massachusetts. <i>Journal of Hydrometeorology</i> , 2019, 20, 1795-1812.	0.7	3

#	ARTICLE	IF	CITATIONS
219	The role of a seasonal lake groups in the complex Poyang Lake-floodplain system (China): Insights into hydrological behaviors. <i>Journal of Hydrology</i> , 2019, 578, 124055.	2.3	31
220	Hydrologic variability contributes to reduced survival through metamorphosis in a stream salamander. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19563-19570.	3.3	15
221	Ecosystem hydrologic and metabolic flashiness are shaped by plant community traits and precipitation. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107674.	1.9	3
222	Climate-influenced catchment hydrology overrides forest management effects on stream benthic macroinvertebrates in a northern hardwood forest. <i>Forest Ecology and Management</i> , 2019, 452, 117540.	1.4	2
223	Assessment of Hydrologic Alteration Metrics for Detecting Urbanization Impacts. <i>Water (Switzerland)</i> , 2019, 11, 1017.	1.2	13
224	Watershed urban development controls on urban streamwater chemistry variability. <i>Biogeochemistry</i> , 2019, 144, 61-84.	1.7	30
225	Index-Based Characterization and Quantification of Groundwater Dynamics. <i>Water Resources Research</i> , 2019, 55, 5575-5592.	1.7	33
226	A likelihood framework for deterministic hydrological models and the importance of non-stationary autocorrelation. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2147-2172.	1.9	25
227	Riparian vegetation recovery in a 23-year chronosequence of clear-cuts along boreal headwater streams. <i>Forest Ecology and Management</i> , 2019, 443, 69-83.	1.4	9
228	Precipitation and temperature drive continental-scale patterns in stream invertebrate production. <i>Science Advances</i> , 2019, 5, eaav2348.	4.7	45
229	The effect of floods on ecosystem metabolism in suburban streams. <i>Freshwater Science</i> , 2019, 38, 412-424.	0.9	15
230	Effects of Reforestation of a Degraded <i>Imperata</i> Grassland on Dominant Flow Pathways and Streamflow Responses in Leyte, the Philippines. <i>Water Resources Research</i> , 2019, 55, 4128-4148.	1.7	14
231	The Migration Diary of a Knickpoint in a Channelized Stream With a Cohesive Bed. <i>Water Resources Research</i> , 2019, 55, 3433-3451.	1.7	1
232	Targeted hydrologic model calibration to improve prediction of ecologically-relevant flow metrics. <i>Journal of Hydrology</i> , 2019, 573, 546-556.	2.3	12
233	If a tree falls in an urban stream, does it stick around? Mobility, characteristics, and geomorphic influence of large wood in urban streams in northeastern Ohio, USA. <i>Geomorphology</i> , 2019, 337, 1-14.	1.1	17
234	Changes in a river's regime of a watercourse after a small water reservoir construction. <i>Soil and Water Research</i> , 2020, 15, 55-65.	0.7	2
235	Modeling the Ecological Impact of Phosphorus in Catchments with Multiple Environmental Stressors. <i>Journal of Environmental Quality</i> , 2019, 48, 1336-1346.	1.0	12
236	Management Influences on Stream-Flow Variability in the Past and Under Potential Climate Change in a Central European Mining Region. <i>Water Resources Management</i> , 2019, 33, 5191-5206.	1.9	3



#	ARTICLE	IF	CITATIONS
237	A new solution to mitigate hydropeaking? Batteries versus re-regulation reservoirs. <i>Journal of Cleaner Production</i> , 2019, 210, 477-489.	4.6	21
238	Streamflow Impacts of Management and Environmental Change in the Upper Wabash River Basin. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05018034.	0.8	6
239	The Nativity and Distribution of the Cryptic Invader <i>Phalaris arundinacea</i> (Reed Canarygrass) in Riparian Areas of the Columbia and Missouri River Basins. <i>Wetlands</i> , 2019, 39, 55-66.	0.7	7
240	Automated Updating of Land Cover Maps Used in Hydrological Modelling. <i>Lecture Notes in Business Information Processing</i> , 2019, , 498-506.	0.8	0
241	Using WSUD to Restore Predevelopment Hydrology. , 2019, , 209-228.		2
242	Multi-objective planning of energy storage technologies for a fully renewable system: Implications for the main stakeholders in Chile. <i>Energy Policy</i> , 2019, 126, 494-506.	4.2	26
243	Scoured or suffocated: Urban stream ecosystems oscillate between hydrologic and dissolved oxygen extremes. <i>Limnology and Oceanography</i> , 2019, 64, 877-894.	1.6	87
244	E-flows to reduce the hydropeaking impacts on the Iberian barbel ( <i>Luciobarbus bocagei</i> ) habitat. An effectiveness assessment based on the COSH Tool application. <i>Science of the Total Environment</i> , 2020, 699, 134209.	3.9	14
245	Multiple stressors influence benthic macroinvertebrate communities in central Appalachian coalfield streams. <i>Hydrobiologia</i> , 2020, 847, 191-205.	1.0	13
246	Utility of satellite-derived burn severity to study short- and long-term effects of wildfire on streamflow at the basin scale. <i>Journal of Hydrology</i> , 2020, 580, 124244.	2.3	13
247	Impact of urbanisation (trends) on runoff behaviour of Pampulha watersheds (Brazil). <i>Environmental Science and Pollution Research</i> , 2020, 27, 14259-14270.	2.7	11
248	Light exposure along particle flowpaths in large rivers. <i>Limnology and Oceanography</i> , 2020, 65, 128-142.	1.6	9
249	Linking hydrologic signatures to hydrologic processes: A review. <i>Hydrological Processes</i> , 2020, 34, 1393-1409.	1.1	82
250	Predicting the temporal transferability of model parameters through a hydrological signature analysis. <i>Frontiers of Earth Science</i> , 2020, 14, 110-123.	0.9	3
251	Cropping pattern changes diminish agroecosystem services in North and South Dakota, USA. <i>Agronomy Journal</i> , 2020, 112, 1-24.	0.9	39
252	Water balance and flashiness for a large floodplain system: A case study of Poyang Lake, China. <i>Science of the Total Environment</i> , 2020, 710, 135499.	3.9	26
253	Characterizing nitrogen attenuation by headwater slope wetlands across different land uses. <i>Ecological Engineering</i> , 2020, 149, 105833.	1.6	5
254	Overwhelming role of hydrology-related variables and river types in driving diatom species distribution and community assemblage in streams in Cyprus. <i>Ecological Indicators</i> , 2020, 117, 106690.	2.6	21



#	ARTICLE	IF	CITATIONS
255	Beyond Imperviousness: The Role of Antecedent Wetness in Runoff Generation in Urbanized Catchments. <i>Water Resources Research</i> , 2020, 56, e2020WR028060.	1.7	7
256	Hydropeaking Operations of Two Run-of-River Mega-Dams Alter Downstream Hydrology of the Largest Amazon Tributary. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	31
257	Development of a comprehensive framework for assessing the impacts of climate change and dam construction on flow regimes. <i>Journal of Hydrology</i> , 2020, 590, 125358.	2.3	45
258	Evaluating the performance of random forest for large-scale flood discharge simulation. <i>Journal of Hydrology</i> , 2020, 590, 125531.	2.3	78
259	Watershedâ€scale climate influences productivity of Chinook salmon populations across southcentral Alaska. <i>Global Change Biology</i> , 2020, 26, 4919-4936.	4.2	33
260	Quality and timing of crowdâ€based water level class observations. <i>Hydrological Processes</i> , 2020, 34, 4365-4378.	1.1	21
261	Spatial Configurations of Land Cover Influence Flood Regulation Ecosystem Services. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	6
262	Design flow and nitrate removal evaluation of a wide denitrifying bioreactor with baffles. <i>Ecological Engineering</i> , 2020, 158, 106068.	1.6	7
263	Determining habitat limitations of Maumee River walleye production to western Lake Erie fish stocks: documenting a spawning ground barrier. <i>Journal of Great Lakes Research</i> , 2020, 46, 1661-1673.	0.8	4
264	Extension of Bayesian chemistry-assisted hydrograph separation to reveal water quality trends (BACH2). <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 2053-2069.	1.9	2
265	Crossing the ruralâ€urban boundary in hydrological modelling: How do conceptual rainfallâ€runoff models handle the specificities of urbanized catchments?. <i>Hydrological Processes</i> , 2020, 34, 3331-3346.	1.1	8
266	Urbanizing River Channels. , 2020, , .		0
267	Sensitivity of Streamflow Metrics to Infiltrationâ€Based Stormwater Management Networks. <i>Water Resources Research</i> , 2020, 56, e2019WR026555.	1.7	8
268	Landscape factors modulating patterns of salmonid distribution during summer in north Patagonian rivers. <i>Journal of Fish Biology</i> , 2020, 97, 753-762.	0.7	3
269	The Roles of Climate Forcing and Its Variability on Streamflow at Daily, Monthly, Annual, and Longâ€Term Scales. <i>Water Resources Research</i> , 2020, 56, e2020WR027111.	1.7	19
270	Can Managed Aquifer Recharge Mitigate the Groundwater Overdraft in California's Central Valley?. <i>Water Resources Research</i> , 2020, 56, e2020WR027244.	1.7	30
271	Timing of Landsat Overpasses Effectively Captures Flow Conditions of Large Rivers. <i>Remote Sensing</i> , 2020, 12, 1510.	1.8	23
272	Enhancing Physical Similarity Approach to Predict Runoff in Ungauged Watersheds in Sub-Tropical Regions. <i>Water (Switzerland)</i> , 2020, 12, 528.	1.2	38

#	ARTICLE	IF	CITATIONS
273	Simulation of streamflow and instream loads of total suspended solids and nitrate in a large transboundary river basin using Source model and geospatial analysis. <i>Science of the Total Environment</i> , 2020, 744, 140656.	3.9	2
275	Assessing the impacts of different land uses and soil and water conservation interventions on runoff and sediment yield at different scales in the central highlands of Ethiopia. <i>Renewable Agriculture and Food Systems</i> , 2022, 37, S73-S87.	0.8	25
276	Accounting for flow intermittency in environmental flows design. <i>Journal of Applied Ecology</i> , 2020, 57, 742-753.	1.9	29
277	Simulation and statistical modelling approaches to investigate hydrologic regime transformations following Eastern hemlock decline. <i>Hydrological Processes</i> , 2020, 34, 1198-1212.	1.1	2
279	Test and Improvement of 1D Routing Algorithms for Dam-Break Floods. <i>Journal of Hydraulic Engineering</i> , 2020, 146, .	0.7	10
280	Beyond binary baseflow separation: a delayed-flow index for multiple streamflow contributions. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 849-867.	1.9	36
281	Analysing hydrological and sediment transport regime in two Mediterranean intermittent rivers. <i>Catena</i> , 2021, 196, 104865.	2.2	21
282	Comparing Flood Projection Approaches Across Hydroclimatologically Diverse United States River Basins. <i>Water Resources Research</i> , 2021, 57, .	1.7	9
283	Water quality and spatio-temporal hot spots in an effluent-dominated urban river. <i>Hydrological Processes</i> , 2021, 35, .	1.1	19
284	Less Agricultural Phosphorus Applied in 2019 Led to Less Dissolved Phosphorus Transported to Lake Erie. <i>Environmental Science &amp; Technology</i> , 2021, 55, 283-291.	4.6	36
285	Flood Potential of Polish Rivers. <i>Springer Water</i> , 2021, , 269-280.	0.2	0
287	Potential and Challenges of Investigating Intrinsic Uncertainty of Hydrological Models With Stochastic, Time-Dependent Parameters. <i>Water Resources Research</i> , 2021, 57, e2020WR028400.	1.7	11
288	Benchmarking seasonal forecasting skill using river flow persistence in Irish catchments. <i>Hydrological Sciences Journal</i> , 2021, 66, 672-688.	1.2	6
289	Daily flow simulation in Thailand Part II: Unraveling effects of reservoir operation. <i>Journal of Hydrology: Regional Studies</i> , 2021, 34, 100792.	1.0	3
290	Hydrological trends and the evolution of catchment research in the Alptal valley, central Switzerland. <i>Hydrological Processes</i> , 2021, 35, e14113.	1.1	4
291	ADHI: the African Database of Hydrometric Indices (1950-2018). <i>Earth System Science Data</i> , 2021, 13, 1547-1560.	3.7	18
292	An indicator to characterize hydrological alteration due to hydropeaking. <i>Journal of Ecohydraulics</i> , 2021, 6, 139-156.	1.6	3
293	Revealing the diversity of hydropeaking flow regimes. <i>Journal of Hydrology</i> , 2021, 598, 126392.	2.3	14

#	ARTICLE	IF	CITATIONS
294	Response of the Dnieper river fluvial system to the river erosion caused by the operation of the Kaniv hydro-electric power plant (Ukraine). <i>Catena</i> , 2021, 202, 105265.	2.2	8
295	Conditioning ensemble streamflow prediction with the North Atlantic Oscillation improves skill at longer lead times. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4159-4183.	1.9	15
296	Behind every robust result is a robust method: Perspectives from a case study and publication process in hydrological modelling. <i>Hydrological Processes</i> , 2021, 35, e14266.	1.1	6
297	Comparative Use of Hydrologic Indicators to Determine the Effects of Flow Regimes on Water Quality in Three Channels across Southern Florida, USA. <i>Water (Switzerland)</i> , 2021, 13, 2184.	1.2	5
298	Exploring the Capability of Natural Flood Management Approaches in Groundwater-Dominated Chalk Streams. <i>Water (Switzerland)</i> , 2021, 13, 2212.	1.2	4
299	Tracers reveal limited influence of plantation forests on surface runoff in a UK natural flood management catchment. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100834.	1.0	4
300	Storm size and hydrologic modification influence nitrate mobilization and transport in agricultural watersheds. <i>Biogeochemistry</i> , 2021, 156, 319-334.	1.7	16
301	Unravelling runoff processes in Andean basins in northern Ecuador through hydrological signatures. <i>Hydrological Processes</i> , 2021, 35, e14354.	1.1	0
302	Intra-annual variability of urban effects on streamflow. <i>Hydrological Processes</i> , 2021, 35, e14371.	1.1	8
303	Streamflow regime of a lake-stream system based on long-term data from a high-density hydrometric network. <i>Hydrological Processes</i> , 2021, 35, e14396.	1.1	4
304	Hydropeaking causes spatial shifts in a reproducing rheophilic fish. <i>Science of the Total Environment</i> , 2022, 806, 150649.	3.9	13
305	<i>M. cerebralis</i> establishment and spread: A graphical synthesis. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 0, , .	0.7	0
306	Grid-wide assessment of varying re-regulation storage capacity for hydropeaking mitigation. <i>Journal of Environmental Management</i> , 2021, 293, 112866.	3.8	3
307	Hydrology on high: Assessing the effect of ski resort expansion and changing climate at the Mount Mansfield paired catchment study in Vermont, USA. <i>Hydrological Processes</i> , 2021, 35, e14378.	1.1	2
308	A Framework for Assessing Concentration-Discharge Catchment Behavior From Low-Frequency Water Quality Data. <i>Water Resources Research</i> , 2021, 57, e2021WR029692.	1.7	19
309	Modeling the impact of development policies and climate on suburban watershed hydrology near Portland, Oregon. <i>Landscape and Urban Planning</i> , 2021, 214, 104133.	3.4	11
310	A framework to identify Pareto-efficient subdaily environmental flow constraints on hydropower reservoirs using a grid-wide power dispatch model. <i>Water Resources Research</i> , 2015, 51, 3664-3680.	1.7	31
311	Urban Hydrology in the Pacific Northwest. , 2014, , 59-74.		6

#	ARTICLE	IF	CITATIONS
312	Impact of the Three Gorges Reservoir on the hydrologic regime of the river-lake system in the middle Yangtze River. <i>Journal of Cleaner Production</i> , 2020, 258, 121004.	4.6	17
314	Summer Precipitation Predicts Spatial Distributions of Semiaquatic Mammals. <i>PLoS ONE</i> , 2015, 10, e0135036.	1.1	15
315	Effects of conversion of native cerrado vegetation to pasture on soil hydro-physical properties, evapotranspiration and streamflow on the Amazonian agricultural frontier. <i>PLoS ONE</i> , 2017, 12, e0179414.	1.1	61
316	The influence of a semi-arid sub-catchment on suspended sediments in the Mara River, Kenya. <i>PLoS ONE</i> , 2018, 13, e0192828.	1.1	38
317	Physicochemical Controls on Spatiotemporal Distribution and Benthic Mat Severity of <i>Didymosphenia geminata</i> in Pine Creek, an Unregulated Watershed in Northern Pennsylvania. <i>Northeastern Naturalist</i> , 2019, 26, 420.	0.1	1
319	Analysis of changes in hydrological cycle of a pristine mountain catchment. 1. Water balance components and snow cover. <i>Journal of Hydrology and Hydromechanics</i> , 2020, 68, 180-191.	0.7	13
323	Evaluation of runoff response on the basis of a comparative paired research in mountain catchments with the different land use: case study of the Blanice River, Czechia. <i>Geografie-Sbornik CGS</i> , 2016, 121, 209-234.	0.3	4
324	Channel Evolution of Sandy Reservoir Sediments Following Low-Head Dam Removal, Ottawa River, Northwestern Ohio, U.S.A.. <i>Open Journal of Modern Hydrology</i> , 2014, 04, 44-56.	0.4	12
325	Changes in Sediment and Water Yield Downstream on a Small Watershed. <i>Ekoloji</i> , 2012, 21, 30-37.	0.4	7
335	Stress testing as complement to climate scenarios: recharge scenarios to quantify streamflow drought sensitivity. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 383, 43-50.	1.0	7
336	Spatial distinction and temporal stability of water microelements in the North Platte River and Lake McConaughy, Nebraska. <i>River Research and Applications</i> , 0, , .	0.7	2
337	Hydrologic Model Parameter Estimation in Ungauged Basins Using Simulated SWAT Discharge Observations. <i>Water Resources Research</i> , 2021, 57, e2021WR029655.	1.7	4
339	Determining Variability in Characteristics of Residential Landscape Soils that Influences Infiltration Rates. <i>Arboriculture and Urban Forestry</i> , 2013, 39, .	0.2	2
341	Análisis comparativo del comportamiento de la escorrentía de tres microcuencas andinas con diferente régimen de precipitación y cobertura vegetal. <i>Maskana</i> , 2017, 8, 129-144.	0.5	1
342	Participatory Monitoring of the Impact of Watershed Interventions in the Tropical Andes. , 2018, , 127-156.		0
344	Feature-based Groundwater Hydrograph Clustering Using Unsupervised Self-Organizing Map-Ensembles. <i>Water Resources Management</i> , 2022, 36, 39-54.	1.9	11
345	Data-Driven System Dynamics Model for Simulating Water Quantity and Quality in Peri-Urban Streams. <i>Water (Switzerland)</i> , 2021, 13, 3002.	1.2	6
346	Spatiotemporal Variability of Flashiness Index in the Minjiang River. <i>Journal of Water Resources Research</i> , 2020, 09, 82-93.	0.1	0

#	ARTICLE	IF	CITATIONS
347	Hydroelectric Uses. <i>World Water Resources</i> , 2021, , 285-299.	0.4	0
348	The influence of topography and land use on hydrological and nutrient dynamics in two Andean streams from Northern Patagonia. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2022, 56, 78-97.	0.8	2
349	Effects of deforestation and afforestation on water availability for dry bean production in Haiti. <i>Agriculture, Ecosystems and Environment</i> , 2022, 325, 107721.	2.5	6
350	Comparison of Three Macroinvertebrate Sampling Methods for Use in Assessment of Water Quality Changes in Flashy Urban Streams. <i>Journal of Environmental Protection</i> , 2020, 11, 585-609.	0.3	3
351	Sediment regimes in South Korea. <i>River Research and Applications</i> , 2022, 38, 209-221.	0.7	9
352	A description of Florida estuarine gradient complexes and the implications of habitat factor covariation for community habitat analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2021, , 107669.	0.9	2
353	Loss of intermediate flow states only evident when considering sub-daily flow metrics in a major tributary of the Limpopo basin. <i>Ecohydrology</i> , 2022, 15, e2381.	1.1	2
354	Assessment of dimension-reduction and grouping methods for catchment response time estimation in Hungary. <i>Journal of Hydrology: Regional Studies</i> , 2021, 38, 100971.	1.0	1
355	Systematic visual analysis of groundwater hydrographs: potential benefits and challenges. <i>Hydrogeology Journal</i> , 2022, 30, 359-378.	0.9	7
356	Hydrology and Classification of Rivers for Management. , 2021, , .		0
357	Long-term assessment of floodplain reconnection as a stream restoration approach for managing nitrogen in ground and surface waters. <i>Urban Ecosystems</i> , 2022, 25, 879-907.	1.1	12
358	Hunting for Information in Streamflow Signatures to Improve Modelled Drainage. <i>Water (Switzerland)</i> , 2022, 14, 110.	1.2	4
359	The Rare Five-Spot Ladybird <i>Coccinella quinquepunctata</i> (Coleoptera: Coccinellidae) Surviving in an Unstable Habitat. <i>Frontiers in Conservation Science</i> , 2022, 2, .	0.9	0
360	Seasonal pre-development conditions of a proposed low impact development neighbourhood. <i>Canadian Water Resources Journal</i> , 2022, 47, 61-82.	0.5	0
361	Evaluating hydrological components and streamflow characteristics under conventional and adaptive multi-paddock grazing management. <i>River Research and Applications</i> , 2022, 38, 776-787.	0.7	2
362	Characterization of dam-impacted flood hydrograph and its degree of severity as a potential hazard. <i>Natural Hazards</i> , 2022, 112, 1989-2011.	1.6	7
363	A Bayesian Modelling Framework for Integration of Ecosystem Services into Freshwater Resources Management. <i>Environmental Management</i> , 2022, 69, 781-800.	1.2	5
364	Coupling field-scale and watershed models for regulatory modeling of pesticide aquatic exposures in streams. <i>Integrated Environmental Assessment and Management</i> , 2022, 18, 1678-1693.	1.6	2

#	ARTICLE	IF	CITATIONS
365	Seasonal flashiness and high frequency discharge events in headwater streams in the North Carolina Piedmont (<sc>United States</sc>). <i>Hydrological Processes</i> , 2022, 36, .	1.1	4
366	Integrating wind and photovoltaic power with dual hydro-reservoir systems. <i>Energy Conversion and Management</i> , 2022, 257, 115425.	4.4	11
367	Using multiple isotopic and geochemical tracers to disentangle the sources of baseflow and salinity in the headwaters of a large agricultural watershed. <i>Journal of Hydrology</i> , 2022, 609, 127769.	2.3	4
368	Controls on watershed flashiness across the continental US. <i>Journal of Hydrology</i> , 2022, 609, 127713.	2.3	8
369	Anthropogenic stressors compound climate impacts on inland lake dynamics: The case of Hamun Lakes. <i>Science of the Total Environment</i> , 2022, 829, 154419.	3.9	12
371	Broad scale assessment of key drivers of streamflow generation in urban and urbanizing rivers. <i>Hydrological Processes</i> , 2022, 36, .	1.1	7
376	Sensitivity of peak flow response to imperviousness increase in a tropical Caribbean ungauged urban catchment. <i>Urban Water Journal</i> , 0, , 1-11.	1.0	0
377	GIS- and ICPR-Based Approach to Sustainable Urban Drainage Practices: Case Study of a Development Site in Florida. <i>Water (Switzerland)</i> , 2022, 14, 1557.	1.2	0
378	Hydrological characteristics of Australia: national catchment classification and regional relationships. <i>Journal of Hydrology</i> , 2022, 612, 127969.	2.3	4
379	Effects of spatial and temporal variability in surface water inputs on streamflow generation and cessation in the rain-€“snow transition zone. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2779-2796.	1.9	5
381	Event and Catchment Controls of Heavy Tail Behavior of Floods. <i>Water Resources Research</i> , 2022, 58, .	1.7	5
382	Catchment controls of denitrification and nitrous oxide production rates in headwater remediated agricultural streams. <i>Science of the Total Environment</i> , 2022, 838, 156513.	3.9	6
383	Application of stochastic time dependent parameters to improve the characterization of uncertainty in conceptual hydrological models. <i>Journal of Hydrology</i> , 2022, 612, 128057.	2.3	3
385	Hydrological performance of the ERA5 reanalysis for flood modeling in Tunisia with the LISFLOOD and GR4J models. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101169.	1.0	12
386	Effects of Design and Climate on Bioretention Effectiveness for Watershed-Scale Hydrologic Benefits. <i>Journal of Sustainable Water in the Built Environment</i> , 2022, 8, .	0.9	4
387	Structure and functional composition of macroinvertebrate communities in coastal plain streams across a precipitation gradient. <i>Freshwater Biology</i> , 2022, 67, 1725-1738.	1.2	4
388	Biogeochemical functional responses to flow rate in a low order stream: implications for water quality monitoring. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	0
389	A hybrid time- and signature-domain Bayesian inference framework for calibration of hydrological models: a case study in the Ren River basin in China. <i>Stochastic Environmental Research and Risk Assessment</i> , 0, , .	1.9	0

#	ARTICLE	IF	CITATIONS
390	Collaborative load shifting effect of power-to-gas and gas-fired unit in integrated power and gas system. IET Renewable Power Generation, 2022, 16, 3233-3250.	1.7	1
391	Identifying Hydrologic Regimes and Drivers in Nova Scotia, Canada: Catchment Classification Efforts for a Data-Limited Region. Journal of Hydrologic Engineering - ASCE, 2022, 27, .	0.8	1
393	Suspended Sediment Load Estimation in a Severely Eroded and Data Poor Catchment. Hydrological Processes, 0, , .	1.1	2
394	Abrupt chlorophyll shift driven by phosphorus threshold in a small subtropical estuary. Frontiers in Marine Science, 0, 9, .	1.2	0
395	Patterns of long-term variations of nitrate concentration " Stream discharge relationships for a drained agricultural watershed in Mid-western USA. Journal of Hydrology, 2022, 614, 128479.	2.3	3
396	Hydrologic Time Scale: A Fundamental Stream Characteristic. Journal of Earth Science (Wuhan, China), 2022, 33, 1291-1297.	1.1	3
398	Similarity of catchment dynamics based on the interaction between streamflow and forcing time series: Use of a transfer entropy signature. Journal of Hydrology, 2022, 614, 128555.	2.3	1
399	Long-term changes and periodicity of ice phenomena in the high mountain Lake Morskie Oko (Tatra) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	0
401	Influence of sampling frequency and estimation method on phosphorus load uncertainty in the Western Lake Erie Basin, Ohio, USA. Journal of Hydrology, 2023, 617, 128906.	2.3	1
402	Hydroclimatic variability across the international Lake of the Woods watershed: Implications for nutrient export and climate sensitivity. Journal of Great Lakes Research, 2023, 49, 8-20.	0.8	4
403	Evaluation of a new observationally based channel parameterization for the National Water Model. Hydrology and Earth System Sciences, 2022, 26, 6121-6136.	1.9	2
404	Storm pulse responses of fluvial organic carbon to seasonal source supply and transport controls in a midwestern agricultural watershed. Science of the Total Environment, 2023, , 161647.	3.9	0
405	Daily ensemble river discharge reforecasts and real-time forecasts from the operational Global Flood Awareness System. Hydrology and Earth System Sciences, 2023, 27, 1-19.	1.9	10
406	Designing diversified renewable energy systems to balance multisector performance. Nature Sustainability, 2023, 6, 415-427.	11.5	24
407	Flow division under a steady flow mode. E3S Web of Conferences, 2023, 365, 03029.	0.2	2
408	River runoff estimation with satellite rainfall in Morocco. Hydrological Sciences Journal, 0, , .	1.2	2
409	Ecological Gradient in Neotropical Montane Ecosystems: From Tropical Montane Forests to Glacier. , 2023, , 229-253.		0
410	Global hydrological parameter estimates to local applications: Influence of forcing and catchment properties. Hydrology Research, 2023, 54, 475-490.	1.1	1



#	ARTICLE	IF	CITATIONS
411	NUMERICAL EXPERIMENTS TO CALIBRATE A HYDROLOGICAL MODEL BASED ON STREAMFLOW SIGNATURES AND HYDROLOGICAL TIME SERIES DATA. Journal of Japan Society of Civil Engineers Ser G (Environmental) Tj ETQq0010 rgBT (Overlock 1		
412	Variation-based complementarity assessment between wind and solar resources in China. Energy Conversion and Management, 2023, 278, 116726.	4.4	8
413	Reconstruction of Recharge and Discharge Pattern in the Polder Drainage Canal Network. Hydrology, 2023, 10, 60.	1.3	0
414	Setting an ecological flow regime in a Mediterranean basin with limited data availability: The Locone River case study (S-E Italy). Ecohydrology and Hydrobiology, 2023, 23, 346-360.	1.0	4
448	Ecological Traits and Fishery of the Upper Limay River: A Key System for Salmonids in the Andean North Patagonia. , 2024, , 655-673.		0