

# Ken M Fritz

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,507  
citations

201674

27  
h-index

197818

49  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Life on the Edge: The Ecology of Great Plains Prairie Streams. <i>BioScience</i> , 2004, 54, 205.	4.9	301
2	Ecological research and management of intermittent rivers: an historical review and future directions. <i>Freshwater Biology</i> , 2016, 61, 1181-1199.	2.4	190
3	Resistance and Resilience of Macroinvertebrate Assemblages to Drying and Flood in a Tallgrass Prairie Stream System. <i>Hydrobiologia</i> , 2004, 527, 99-112.	2.0	158
4	Flow intermittence and ecosystem services in rivers of the Anthropocene. <i>Journal of Applied Ecology</i> , 2018, 55, 353-364.	4.0	113
5	Implementing an Operational Framework to Develop a Streamflow Duration Assessment Method: A Case Study from the Arid West United States. <i>Water (Switzerland)</i> , 2021, 13, 3310.	2.7	112
6	The relationship of floods, drying, flow and light to primary production and producer biomass in a prairie stream. <i>Hydrobiologia</i> , 1996, 333, 151-159.	2.0	103
7	Understanding controls on flow permanence in intermittent rivers to aid ecological research: integrating meteorology, geology and land cover. <i>Ecohydrology</i> , 2016, 9, 1141-1153.	2.4	102
8	Spider-Mediated Flux of PCBs from Contaminated Sediments to Terrestrial Ecosystems and Potential Risks to Arachnivorous Birds. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2849-2856.	10.0	100
9	Urbanization affects the extent and hydrologic permanence of headwater streams in a midwestern US metropolitan area. <i>Journal of the North American Benthological Society</i> , 2009, 28, 911-928.	3.1	98
10	Comparing the Extent and Permanence of Headwater Streams From Two Field Surveys to Values From Hydrographic Databases and Maps. <i>Journal of the American Water Resources Association</i> , 2013, 49, 867-882.	2.4	87
11	Structural and functional characteristics of natural and constructed channels draining a reclaimed mountaintop removal and valley fill coal mine. <i>Journal of the North American Benthological Society</i> , 2010, 29, 673-689.	3.1	78
12	Challenges, developments and perspectives in intermittent river ecology. <i>Freshwater Biology</i> , 2016, 61, 1171-1180.	2.4	67
13	Zero or not? Causes and consequences of zero-flow stream gage readings. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1436.	6.5	63
14	Physical indicators of hydrologic permanence in forested headwater streams. <i>Journal of the North American Benthological Society</i> , 2008, 27, 690-704.	3.1	61
15	Harshness: characterisation of intermittent stream habitat over space and time. <i>Marine and Freshwater Research</i> , 2005, 56, 13.	1.3	60
16	Physical and Chemical Connectivity of Streams and Riparian Wetlands to Downstream Waters: A Synthesis. <i>Journal of the American Water Resources Association</i> , 2018, 54, 323-345.	2.4	53
17	Influence of Trophic Position and Spatial Location on Polychlorinated Biphenyl (PCB) Bioaccumulation in a Stream Food Web. <i>Environmental Science &amp; Technology</i> , 2008, 42, 2316-2322.	10.0	51
18	Assessing placement bias of the global river gauge network. <i>Nature Sustainability</i> , 2022, 5, 586-592.	23.7	51

#	ARTICLE	IF	CITATIONS
19	Whatâ€™s in a Name? Patterns, Trends, and Suggestions for Defining Non-Perennial Rivers and Streams. <i>Water (Switzerland)</i> , 2020, 12, 1980.	2.7	49
20	Effects of urban stream burial on organic matter dynamics and reach scale nitrate retention. <i>Biogeochemistry</i> , 2014, 121, 107-126.	3.5	48
21	Biota Connect Aquatic Habitats throughout Freshwater Ecosystem Mosaics. <i>Journal of the American Water Resources Association</i> , 2018, 54, 372-399.	2.4	45
22	Habitat modification by the stream macrophyte <i>Justicia americana</i> and its effects on biota. <i>Oecologia</i> , 2004, 140, 388-397.	2.0	42
23	River ecosystem conceptual models and nonâ€™perennial rivers: A critical review. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1473.	6.5	37
24	Can bryophytes be used to characterize hydrologic permanence in forested headwater streams?. <i>Ecological Indicators</i> , 2009, 9, 681-692.	6.3	34
25	Urban Stream Burial Increases Watershed-Scale Nitrate Export. <i>PLoS ONE</i> , 2015, 10, e0132256.	2.5	34
26	Featured Collection Introduction: Connectivity of Streams and Wetlands to Downstream Waters. <i>Journal of the American Water Resources Association</i> , 2018, 54, 287-297.	2.4	30
27	The Effects of Bison Crossings on the Macroinvertebrate Community in a Tallgrass Prairie Stream. <i>American Midland Naturalist</i> , 1999, 141, 253-265.	0.4	28
28	Larval salamanders and channel geomorphology are indicators of hydrologic permanence in forested headwater streams. <i>Ecological Indicators</i> , 2009, 9, 150-159.	6.3	27
29	Validation of Rapid Assessment Methods to Determine Streamflow Duration Classes in the Pacific Northwest, USA. <i>Environmental Management</i> , 2015, 56, 34-53.	2.7	25
30	A global perspective on the functional responses of stream communities to flow intermittence. <i>Ecography</i> , 2021, 44, 1511-1523.	4.5	24
31	Differing Modes of Biotic Connectivity within Freshwater Ecosystem Mosaics. <i>Journal of the American Water Resources Association</i> , 2019, 55, 307-317.	2.4	23
32	Substratum stability associated with the riverine macrophyte <i>Justicia americana</i> . <i>Freshwater Biology</i> , 2003, 48, 1630-1639.	2.4	22
33	Factors affecting biomass allocation in the riverine macrophyte <i>Justicia americana</i> . <i>Aquatic Botany</i> , 2004, 78, 279-288.	1.6	21
34	Classifying Streamflow Duration: The Scientific Basis and an Operational Framework for Method Development. <i>Water (Switzerland)</i> , 2020, 12, 2545.	2.7	18
35	An assessment of cellulose filters as a standardized material for measuring litter breakdown in headwater streams. <i>Ecohydrology</i> , 2011, 4, 469-476.	2.4	16
36	Recovery of Three Fish Species to Flood and Seasonal Drying in a Tallgrass Prairie Stream. <i>Transactions of the Kansas Academy of Science</i> , 2002, 105, 209-218.	0.1	15

#	ARTICLE	IF	CITATIONS
37	Response to basal resources by stream macroinvertebrates is shaped by watershed urbanization, riparian canopy cover, and season. <i>Freshwater Science</i> , 2018, 37, 640-652.	1.8	15
38	Reconceptualizing the hyporheic zone for nonperennial rivers and streams. <i>Freshwater Science</i> , 2022, 41, 167-182.	1.8	15
39	A Validation Study of a Rapid Field-Based Rating System for Discriminating Among Flow Permanence Classes of Headwater Streams in South Carolina. <i>Environmental Management</i> , 2013, 52, 1286-1298.	2.7	14
40	Beyond Streamflow: Call for a National Data Repository of Streamflow Presence for Streams and Rivers in the United States. <i>Water (Switzerland)</i> , 2021, 13, 1627.	2.7	14
41	Urban infrastructure influences dissolved organic matter quality and bacterial metabolism in an urban stream network. <i>Freshwater Biology</i> , 2017, 62, 1917-1928.	2.4	13
42	Biomass and Decay Rates of Roots and Detritus in Sediments of Intermittent Coastal Plain Streams. <i>Hydrobiologia</i> , 2006, 556, 265-277.	2.0	9
43	Invertebrate colonization of leaves and roots within sediments of intermittent Coastal Plain streams across hydrologic phases. <i>Aquatic Sciences</i> , 2011, 73, 459-469.	1.5	9
44	Coarse particulate organic matter dynamics in ephemeral tributaries of a Central Appalachian stream network. <i>Ecosphere</i> , 2019, 10, e02654.	2.2	8
45	Does Riparian Fencing Protect Stream Water Quality in Cattle-Grazed Lands?. <i>Environmental Management</i> , 2020, 66, 121-135.	2.7	8
46	<scp>IRBAS</scp>: An online database to collate, analyze, and synthesize data on the biodiversity and ecology of intermittent rivers worldwide. <i>Ecology and Evolution</i> , 2017, 7, 815-823.	1.9	5
47	Differential response of stream periphyton and invertebrate grazers to habitat modification by the emergent macrophyte <i>Justicia americana</i> . <i>Marine and Freshwater Research</i> , 2006, 57, 207.	1.3	4
48	What's in a Name? Patterns, Trends, and Suggestions for Defining Non-Perennial Rivers and Streams. <i>Water (Switzerland)</i> , 2020, 12, 1980.	2.7	4
49	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.	0.7	3