

Walter K Dodds

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32 papers	2,255 citations	17 h-index	35 g-index
35 ext. papers	2,652 ext. citations	5.2 avg, IF	5.07 L-index

#	Paper	IF	Citations
32	Shifting stoichiometry: Long-term trends in stream-dissolved organic matter reveal altered C:N ratios due to history of atmospheric acid deposition. <i>Global Change Biology</i> , 2022 , 28, 98-114	11.4	1
31	State changes: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03433	3.3	1
30	Spatial Patterns and Drivers of Nonperennial Flow Regimes in the Contiguous United States. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090794	4.9	16
29	A framework for lotic macrosystem research. <i>Ecosphere</i> , 2021 , 12, e03342	3.1	3
28	Macrosystems revisited: challenges and successes in a new subdiscipline of ecology. <i>Frontiers in Ecology and the Environment</i> , 2021 , 19, 4-10	5.5	5
27	How do methodological choices influence estimation of river metabolism?. <i>Limnology and Oceanography: Methods</i> , 2021 , 19, 659-672	2.6	0
26	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2021GB006953	5.9	4
25	Fate and toxicity of engineered nanomaterials in the environment: A meta-analysis. <i>Science of the Total Environment</i> , 2021 , 796, 148843	10.2	4
24	Does Riparian Fencing Protect Stream Water Quality in Cattle-Grazed Lands?. <i>Environmental Management</i> , 2020 , 66, 121-135	3.1	2
23	Connections and Feedback: Aquatic, Plant, and Soil Microbiomes in Heterogeneous and Changing Environments. <i>BioScience</i> , 2020 , 70, 548-562	5.7	5
22	Responses and resilience of tallgrass prairie streams to patch-burn grazing. <i>Journal of Applied Ecology</i> , 2020 , 57, 1303-1313	5.8	1
21	River ecosystem conceptual models and non-perennial rivers: A critical review. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1473	5.7	13
20	Zero or not? Causes and consequences of zero-flow stream gage readings. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020 , 7, e1436	5.7	36
19	The freshwater biome gradient framework: predicting macroscale properties based on latitude, altitude, and precipitation. <i>Ecosphere</i> , 2019 , 10, e02786	3.1	38
18	Removal of Woody Riparian Vegetation Substantially Altered a Stream Ecosystem in an Otherwise Undisturbed Grassland Watershed. <i>Ecosystems</i> , 2019 , 22, 64-76	3.9	16
17	Spatial heterogeneity and controls of ecosystem metabolism in a Great Plains river network. <i>Hydrobiologia</i> , 2018 , 813, 85-102	2.4	17
16	Partitioning assimilatory nitrogen uptake in streams: an analysis of stable isotope tracer additions across continents. <i>Ecological Monographs</i> , 2018 , 88, 120-138	9	43

15	The root of the problem: Direct influence of riparian vegetation on estimation of stream ecosystem metabolic rates. <i>Limnology and Oceanography Letters</i> , 2017 , 2, 9-17	7.9	15
14	Human impact on freshwater ecosystem services: a global perspective. <i>Environmental Science & Technology</i> , 2013 , 47, 9061-8	10.3	124
13	Stream discharge and riparian land use influence in-stream concentrations and loads of phosphorus from central plains watersheds. <i>Environmental Management</i> , 2009 , 44, 552-65	3.1	39
12	Eutrophication of U.S. freshwaters: analysis of potential economic damages. <i>Environmental Science & Technology</i> , 2009 , 43, 12-9	10.3	882
11	Nitrogen cycling and metabolism in the thalweg of a prairie river. <i>Journal of Geophysical Research</i> , 2008 , 113,		20
10	Headwater influences on downstream water quality. <i>Environmental Management</i> , 2008 , 41, 367-77	3.1	129
9	Expanding the concept of trophic state in aquatic ecosystems: It's not just the autotrophs. <i>Aquatic Sciences</i> , 2007 , 69, 427-439	2.5	114
8	Trophic state, eutrophication and nutrient criteria in streams. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 669-76	10.9	154
7	Controls on nutrients across a prairie stream watershed: land use and riparian cover effects. <i>Environmental Management</i> , 2006 , 37, 634-46	3.1	51
6	Redefining the community: a species-based approach. <i>Oikos</i> , 2006 , 112, 464-472	4	6
5	Carbon and nitrogen stoichiometry and nitrogen cycling rates in streams. <i>Oecologia</i> , 2004 , 140, 458-67	2.9	99
4	Quality and quantity of suspended particles in rivers: continent-scale patterns in the United States. <i>Environmental Management</i> , 2004 , 33, 355-67	3.1	61
3	A technique for establishing reference nutrient concentrations across watersheds affected by humans. <i>Limnology and Oceanography: Methods</i> , 2004 , 2, 333-341	2.6	116
2	THE ROLE OF PERIPHYTON IN PHOSPHORUS RETENTION IN SHALLOW FRESHWATER AQUATIC SYSTEMS. <i>Journal of Phycology</i> , 2003 , 39, 840-849	3	190
1	A comparison of the trophic ecology of the crayfishes (<i>Orconectes nais</i> (Faxon) and <i>Orconectes neglectus</i> (Faxon)) and the central stoneroller minnow (<i>Campostoma anomalum</i> (Rafinesque)): omnivory in a tallgrass prairie stream. <i>Hydrobiologia</i> , 2001 , 462, 131-144	2.4	49