Walter K Dodds

List of Publications by Citations

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	Eutrophication of U.S. freshwaters: analysis of potential economic damages. *Environmental Science & Technology*, **2009**, 43, 12-9	10.3	882
31	THE ROLE OF PERIPHYTON IN PHOSPHORUS RETENTION IN SHALLOW FRESHWATER AQUATIC SYSTEMS. *Journal of Phycology*, **2003**, 39, 840-849	3	190
30	Trophic state, eutrophication and nutrient criteria in streams. *Trends in Ecology and Evolution*, **2007**, 22, 669-76	10.9	154
29	Headwater influences on downstream water quality. *Environmental Management*, **2008**, 41, 367-77	3.1	129
28	Human impact on freshwater ecosystem services: a global perspective. *Environmental Science & Technology*, **2013**, 47, 9061-8	10.3	124
27	A technique for establishing reference nutrient concentrations across watersheds affected by humans. *Limnology and Oceanography: Methods*, **2004**, 2, 333-341	2.6	116
26	Expanding the concept of trophic state in aquatic ecosystems: It's not just the autotrophs. *Aquatic Sciences*, **2007**, 69, 427-439	2.5	114
25	Carbon and nitrogen stoichiometry and nitrogen cycling rates in streams. *Oecologia*, **2004**, 140, 458-67	2.9	99
24	Quality and quantity of suspended particles in rivers: continent-scale patterns in the United States. *Environmental Management*, **2004**, 33, 355-67	3.1	61
23	Controls on nutrients across a prairie stream watershed: land use and riparian cover effects. *Environmental Management*, **2006**, 37, 634-46	3.1	51
22	A comparison of the trophic ecology of the crayfishes (Orconectes nais (Faxon) and Orconectes neglectus (Faxon)) and the central stoneroller minnow (Campostoma anomalum (Rafinesque)): omnivory in a tallgrass prairie stream. *Hydrobiologia*, **2001**, 462, 131-144	2.4	49
21	Partitioning assimilatory nitrogen uptake in streams: an analysis of stable isotope tracer additions across continents. *Ecological Monographs*, **2018**, 88, 120-138	9	43
20	Stream discharge and riparian land use influence in-stream concentrations and loads of phosphorus from central plains watersheds. *Environmental Management*, **2009**, 44, 552-65	3.1	39
19	The freshwater biome gradient framework: predicting macroscale properties based on latitude, altitude, and precipitation. *Ecosphere*, **2019**, 10, e02786	3.1	38
18	Zero or not? Causes and consequences of zero-flow stream gage readings. *Wiley Interdisciplinary Reviews: Water*, **2020**, 7, e1436	5.7	36
17	Nitrogen cycling and metabolism in the thalweg of a prairie river. *Journal of Geophysical Research*, **2008**, 113,		20
16	Spatial heterogeneity and controls of ecosystem metabolism in a Great Plains river network. *Hydrobiologia*, **2018**, 813, 85-102	2.4	17

List of Publications

15	Removal of Woody Riparian Vegetation Substantially Altered a Stream Ecosystem in an Otherwise Undisturbed Grassland Watershed. *Ecosystems*, **2019**, 22, 64-76	3.9	16
14	Spatial Patterns and Drivers of Nonperennial Flow Regimes in the Contiguous United States. *Geophysical Research Letters*, **2021**, 48, e2020GL090794	4.9	16
13	The root of the problem: Direct influence of riparian vegetation on estimation of stream ecosystem metabolic rates. *Limnology and Oceanography Letters*, **2017**, 2, 9-17	7.9	15
12	River ecosystem conceptual models and non-perennial rivers: A critical review. *Wiley Interdisciplinary Reviews: Water*, **2020**, 7, e1473	5.7	13
11	Redefining the community: a species-based approach. *Oikos*, **2006**, 112, 464-472	4	6
10	Connections and Feedback: Aquatic, Plant, and Soil Microbiomes in Heterogeneous and Changing Environments. *BioScience*, **2020**, 70, 548-562	5.7	5
9	Macrosystems revisited: challenges and successes in a new subdiscipline of ecology. *Frontiers in Ecology and the Environment*, **2021**, 19, 4-10	5.5	5
8	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. *Global Biogeochemical Cycles*, **2021**, 35, e2021GB006953	5.9	4
7	Fate and toxicity of engineered nanomaterials in the environment: A meta-analysis. *Science of the Total Environment*, **2021**, 796, 148843	10.2	4
6	A framework for lotic macrosystem research. *Ecosphere*, **2021**, 12, e03342	3.1	3
5	Does Riparian Fencing Protect Stream Water Quality in Cattle-Grazed Lands?. *Environmental Management*, **2020**, 66, 121-135	3.1	2
4	Responses and resilience of tallgrass prairie streams to patch-burn grazing. *Journal of Applied Ecology*, **2020**, 57, 1303-1313	5.8	1
3	Shifting stoichiometry: Long-term trends in stream-dissolved organic matter reveal altered C:N ratios due to history of atmospheric acid deposition. *Global Change Biology*, **2022**, 28, 98-114	11.4	1
2	State changes: insights from the U.S. Long Term Ecological Research Network. *Ecosphere*, **2021**, 12, e03433	3.1	1
1	How do methodological choices influence estimation of river metabolism?. *Limnology and Oceanography: Methods*, **2021**, 19, 659-672	2.6	0