

Adam S Wymore

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

700
citations

471509

17
h-index

610901

24
g-index

38
all docs

38
docs citations

38
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical zone structure controls concentration–discharge relationships and solute generation in forested tropical montane watersheds. <i>Water Resources Research</i> , 2017, 53, 6279-6295.	4.2	56
2	Genes to ecosystems: exploring the frontiers of ecology with one of the smallest biological units. <i>New Phytologist</i> , 2011, 191, 19-36.	7.3	42
3	DOC:NO ₃ ⁻ ratios and NO ₃ ⁻ uptake in forested headwater streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 205-217.	3.0	42
4	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , 2020, 10, 8722.	3.3	41
5	Dissolved Organic Carbon and Nitrate Concentration–Discharge Behavior Across Scales: Land Use, Excursions, and Misclassification. <i>Water Resources Research</i> , 2020, 56, e2019WR027028.	4.2	34
6	Direct response of dissolved organic nitrogen to nitrate availability in headwater streams. <i>Biogeochemistry</i> , 2015, 126, 1-10.	3.5	33
7	Leaf-litter leachate is distinct in optical properties and bioavailability to stream heterotrophs. <i>Freshwater Science</i> , 2015, 34, 857-866.	1.8	31
8	Nutrient uptake along a fire gradient in boreal streams of Central Siberia. <i>Freshwater Science</i> , 2015, 34, 1443-1456.	1.8	30
9	Nitrate uptake across biomes and the influence of elemental stoichiometry: A new look at LINX II. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1183-1191.	4.9	30
10	Hysteretic Response of Solutes and Turbidity at the Event Scale Across Forested Tropical Montane Watersheds. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	30
11	Using In-Situ Optical Sensors to Understand the Biogeochemistry of Dissolved Organic Matter Across a Stream Network. <i>Water Resources Research</i> , 2018, 54, 2949-2958.	4.2	27
12	Contrasting rRNA gene abundance patterns for aquatic fungi and bacteria in response to leaf-litter chemistry. <i>Freshwater Science</i> , 2013, 32, 663-672.	1.8	26
13	Divergent Controls on Stream Greenhouse Gas Concentrations Across a Land-Use Gradient. <i>Ecosystems</i> , 2021, 24, 1299-1316.	3.4	24
14	Gradients of Anthropogenic Nutrient Enrichment Alter N Composition and DOM Stoichiometry in Freshwater Ecosystems. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006953.	4.9	22
15	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.	9.5	22
16	Fire severity, time since fire, and site-level characteristics influence streamwater chemistry at baseflow conditions in catchments of the Sierra Nevada, California, USA. <i>Fire Ecology</i> , 2019, 15, .	3.0	21
17	The Influence of Time and Plant Species on the Composition of the Decomposing Bacterial Community in a Stream Ecosystem. <i>Microbial Ecology</i> , 2016, 71, 825-834.	2.8	19
18	Multiyear Trends in Solute Concentrations and Fluxes From a Suburban Watershed: Evaluating Effects of 100-Year Flood Events. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3072-3087.	3.0	18

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19	Land Use Overrides Stream Order and Season in Driving Dissolved Organic Matter Dynamics Throughout the Year in a River Network. <i>Environmental Science & Technology</i> , 2022, 56, 2009-2020.	10.0	17
20	Microbes on decomposing litter in streams: entering on the leaf or colonizing in the water?. <i>ISME Journal</i> , 2022, 16, 717-725.	9.8	14
21	Quantifying the frequency of synchronous carbon and nitrogen export to the river network. <i>Biogeochemistry</i> , 2021, 152, 1-12.	3.5	13
22	Luquillo Experimental Forest: Catchment science in the montane tropics. <i>Hydrological Processes</i> , 2021, 35, e14146.	2.6	12
23	Litter identity affects assimilation of carbon and nitrogen by a shredding caddisfly. <i>Ecosphere</i> , 2018, 9, e02340.	2.2	11
24	Indirect influences of a major drought on leaf litter quality and decomposition in a southwestern stream. <i>Fundamental and Applied Limnology</i> , 2014, 184, 1-10.	0.7	10
25	The Lamprey River Hydrological Observatory: Suburbanization and changing seasonality. <i>Hydrological Processes</i> , 2021, 35, e14131.	2.6	10
26	Climate Variability Drives Watersheds Along a Transporterâ€”Transformer Continuum. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094050.	4.0	10
27	Effects of plant species on stream bacterial communities via leachate from leaf litter. <i>Hydrobiologia</i> , 2018, 807, 131-144.	2.0	9
28	Integrated Interdisciplinary Science of the Critical Zone as a Foundational Curriculum for Addressing Issues of Environmental Sustainability. <i>Journal of Geoscience Education</i> , 2017, 65, 136-145.	1.4	8
29	Growing new generations of critical zone scientists. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 2498-2502.	2.5	7
30	Measuring the influence of environmental conditions on dissolved organic matter biodegradability and optical properties: a combined field and laboratory study. <i>Biogeochemistry</i> , 2020, 149, 37-52.	3.5	7
31	Nitrate uptake enhanced by availability of dissolved organic matter in tropical montane streams. <i>Freshwater Science</i> , 2021, 40, 65-76.	1.8	6
32	LINX I and II: Lessons Learned and Emerging Questions. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	4
33	Percentile-Range Indexed Mapping and Evaluation (PRIME): A new tool for long-term data discovery and application. <i>Environmental Modelling and Software</i> , 2020, 124, 104580.	4.5	4
34	Community Genetics Applications for Forest Biodiversity and Policy: Planning for the Future. <i>Forestry Sciences</i> , 2014, , 707-725.	0.4	4
35	<scp>CHOSEN</scp>: A synthesis of hydrometeorological data from intensively monitored catchments and comparative analysis of hydrologic extremes. <i>Hydrological Processes</i> , 2021, 35, e14429.	2.6	4
36	Understanding Dissolved Organic Matter Biogeochemistry Through In Situ Nutrient Manipulations in Stream Ecosystems. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	1

#	ARTICLE	IF	CITATIONS
37	Influence of watershed suburbanization on leaf litter decomposition and microbial activity. Hydrobiologia, 0, , 1.	2.0	0