Tim P Covino

List of Publications by Year
in descending order

30 papers	1,241 citations	471509 17 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	1764 citing authors

#	Article	IF	Citations
1	Vulnerable Waters are Essential to Watershed Resilience. Ecosystems, 2023, 26, 1-28.	3.4	21
2	Geomorphology Imparts Spatial Organization on Hydrological and Biogeochemical Fluxes. , 2022, , 53-67.		2
3	Conservative solute transport processes and associated transient storage mechanisms: Comparing streams with contrasting channel morphologies, land use and land cover. Hydrological Processes, 2022, 36, .	2.6	3
4	Evaluating Spatial and Temporal Dynamics of Riverâ€Floodplain Surface Water Connectivity Using Hydrometric, Geochemical and Microbial Indicators. Water Resources Research, 2022, 58, .	4.2	5
5	Connectivity of postâ€fire runoff and sediment from nested hillslopes and watersheds. Hydrological Processes, 2021, 35, .	2.6	11
6	Sources of variability in springwater chemistry in Fool Creek, a highâ€elevation catchment of the Rocky Mountains, Colorado, <scp>USA</scp>. Hydrological Processes, 2021, 35, e14089.	2.6	2
7	The Seasonality of Inâ€Stream Nutrient Concentrations and Uptake in Arctic Headwater Streams in the Northern Foothills of Alaska's Brooks Range. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG005949.	3.0	2
8	Amount and reactivity of dissolved organic matter export are affected by land cover change from oldâ€growth to secondâ€growth forests in headwater ecosystems. Hydrological Processes, 2021, 35, e14343.	2.6	3
9	Reduced Nâ€Limitation and Increased Inâ€Stream Productivity of Autotrophic Biofilms 5 and 15ÂYears After Severe Wildfire. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006095.	3.0	4
10	The Case for an Open Water Balance: Reâ€envisioning Network Design and Data Analysis for a Complex, Uncertain World. Water Resources Research, 2020, 56, e2019WR026699.	4.2	36
11	Connectivity as an emergent property of geomorphic systems. Earth Surface Processes and Landforms, 2019, 44, 4-26.	2.5	233
12	River channel connectivity shifts metabolite composition and dissolved organic matter chemistry. Nature Communications, 2019, 10, 459.	12.8	62
13	The Legacy of a Severe Wildfire on Stream Nitrogen and Carbon in Headwater Catchments. Ecosystems, 2019, 22, 643-657.	3.4	73
14	Dissolved Organic Matter Chemistry and Transport Along an Arctic Tundra Hillslope. Global Biogeochemical Cycles, 2019, 33, 47-62.	4.9	12
15	Formâ€based river restoration decreases wetland hyporheic exchange: Lessons learned from the Upper Colorado River. Earth Surface Processes and Landforms, 2019, 44, 191-203.	2.5	10
16	Aquatic Carbonâ€Nutrient Dynamics as Emergent Properties of Hydrological, Biogeochemical, and Ecological Interactions: Scientific Advances. Water Resources Research, 2018, 54, 7138-7142.	4.2	7
17	The importance of and need for rapid hydrologic assessments in <scp>L</scp>atin <scp>A</scp>merica. Hydrological Processes, 2018, 32, 2441-2451.	2.6	23
18	Evaluating Controls on Nutrient Retention and Export in Wide and Narrow Valley Segments of a Mountain River Corridor. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1817-1826.	3.0	2

#	Article	IF	Citations
19	Measuring and interpreting relationships between nutrient supply, demand, and limitation. Freshwater Science, 2018, 37, 448-455.	1.8	34
20	Beaverâ€mediated lateral hydrologic connectivity, fluvial carbon and nutrient flux, and aquatic ecosystem metabolism. Water Resources Research, 2017, 53, 4606-4623.	4.2	58
21	Hydrologic connectivity as a framework for understanding biogeochemical flux through watersheds and along fluvial networks. Geomorphology, 2017, 277, 133-144.	2.6	198
22	Watershed structural influences on the distributions of stream network water and solute travel times under baseflow conditions. Hydrological Processes, 2016, 30, 2671-2685.	2.6	22
23	The influence of an inâ€network lake on the timing, form, and magnitude of downstream dissolved organic carbon and nutrient flux. Water Resources Research, 2016, 52, 8668-8684.	4.2	14
24	Redistribution of pyrogenic carbon from hillslopes to stream corridors following a large montane wildfire. Global Biogeochemical Cycles, 2016, 30, 1348-1355.	4.9	51
25	Lateral inflows, streamâ€groundwater exchange, and network geometry influence stream water composition. Water Resources Research, 2014, 50, 4603-4623.	4.2	34
26	Land use/land cover and scale influences on inâ€stream nitrogen uptake kinetics. Journal of Geophysical Research, 2012, 117, .	3.3	21
27	Dissolved nutrient retention dynamics in river networks: A modeling investigation of transient flows and scale effects. Water Resources Research, 2012, 48, .	4.2	45
28	Streamâ€groundwater exchange and hydrologic turnover at the network scale. Water Resources Research, 2011, 47, .	4.2	58
29	Tracer Additions for Spiraling Curve Characterization (TASCC): Quantifying stream nutrient uptake kinetics from ambient to saturation. Limnology and Oceanography: Methods, 2010, 8, 484-498.	2.0	99
30	Stream gains and losses across a mountainâ€toâ€valley transition: Impacts on watershed hydrology and stream water chemistry. Water Resources Research, 2007, 43, .	4.2	96