Noah M Schmadel

List of Publications by Year
in descending order

27	791	471509 17	552781 26
papers	citations	h-index	g-index

28	28	28	985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simulation of dynamic expansion, contraction, and connectivity in a mountain stream network. Advances in Water Resources, 2018, 114, 64-82.	3.8	84
2	How Hydrologic Connectivity Regulates Water Quality in River Corridors. Journal of the American Water Resources Association, 2019, 55, 369-381.	2.4	75
3	Thresholds of lake and reservoir connectivity in river networks control nitrogen removal. Nature Communications, 2018, 9, 2779.	12.8	68
4	Hyporheic exchange controlled by dynamic hydrologic boundary conditions. Geophysical Research Letters, 2016, 43, 4408-4417.	4.0	58
5	Impacts of beaver dams on hydrologic and temperature regimes in a mountain stream. Hydrology and Earth System Sciences, 2015, 19, 3541-3556.	4.9	55
6	Small Ponds in Headwater Catchments Are a Dominant Influence on Regional Nutrient and Sediment Budgets. Geophysical Research Letters, 2019, 46, 9669-9677.	4.0	45
7	Approaches to estimate uncertainty in longitudinal channel water balances. Journal of Hydrology, 2010, 394, 357-369.	5.4	37
8	Stream solute tracer timescales changing with discharge and reach length confound process interpretation. Water Resources Research, 2016, 52, 3227-3245.	4.2	37
9	Hydrogeomorphic controls on hyporheic and riparian transport in two headwater mountain streams during base flow recession. Water Resources Research, 2016, 52, 1479-1497.	4.2	36
10	Hydrologic controls on hyporheic exchange in a headwater mountain stream. Water Resources Research, 2017, 53, 6260-6278.	4.2	34
11	Climate Change Causes River Network Contraction and Disconnection in the H.J. Andrews Experimental Forest, Oregon, USA. Frontiers in Water, 2020, 2, .	2.3	32
12	Dynamic hyporheic and riparian flow path geometry through base flow recession in two headwater mountain stream corridors. Water Resources Research, 2017, 53, 3988-4003.	4.2	31
13	Woody debris is related to reachâ€scale hotspots of lowland stream ecosystem respiration under baseflow conditions. Ecohydrology, 2018, 11, e1952.	2.4	31
14	Exploring Tracer Information and Model Framework Tradeâ€Offs to Improve Estimation of Stream Transient Storage Processes. Water Resources Research, 2019, 55, 3481-3501.	4.2	26
15	Timeâ€Variable Transit Time Distributions in the Hyporheic Zone of a Headwater Mountain Stream. Water Resources Research, 2018, 54, 2017-2036.	4.2	23
16	Spatial and temporal variation in river corridor exchange across a 5th-order mountain stream network. Hydrology and Earth System Sciences, 2019, 23, 5199-5225.	4.9	23
17	Deducing the spatial variability of exchange within a longitudinal channel water balance. Hydrological Processes, 2014, 28, 3088-3103.	2.6	19
18	Solute Transport and Transformation in an Intermittent, Headwater Mountain Stream with Diurnal Discharge Fluctuations. Water (Switzerland), 2019, 11, 2208.	2.7	14

#	Article	IF	Citations
19	The influence of spatially variable stream hydraulics on reach scale transient storage modeling. Water Resources Research, 2014, 50, 9287-9299.	4.2	9
20	Spatial considerations of stream hydraulics in reach scale temperature modeling. Water Resources Research, 2015, 51, 5566-5581.	4.2	9
21	Improving Predictions of Fine Particle Immobilization in Streams. Geophysical Research Letters, 2019, 46, 13853-13861.	4.0	9
22	Low threshold for nitrogen concentration saturation in headwaters increases regional and coastal delivery. Environmental Research Letters, 2020, 15, 044018.	5.2	9
23	Seasonally dynamic nutrient modeling quantifies storage lags and time-varying reactivity across large river basins. Environmental Research Letters, 2021, 16, 095004.	5.2	9
24	The River Corridor's Evolving Connectivity of Lotic and Lentic Waters. Frontiers in Water, 2021, 2, .	2.3	6
25	Geomorphic Controls on Hyporheic Exchange Across Scalesâ€"Watersheds to Particles. , 2019, , .		3
26	Isolating parameter sensitivity in reach scale transient storage modeling. Advances in Water Resources, 2016, 89, 24-31.	3.8	2
27	Accounting for Temporal Variability of Streamflow in Estimates of Travel Time. Frontiers in Water, 2020, 2, .	2.3	1