

Steven M Wondzell

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,987
citations

279798

23
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

2506
citing authors

#	ARTICLE	IF	CITATIONS
1	The channel-source hypothesis: Empirical evidence for channel sourcing of dissolved organic carbon to explain hysteresis in a headwater mountain stream. <i>Hydrological Processes</i> , 2022, 36, .	2.6	9
2	The Influence of Local and Nonlocal Factors on Soil Water Content in a Steep Forested Catchment. <i>Water Resources Research</i> , 2021, 57, e2020WR028343.	4.2	9
3	Discussion: "Meadow Restoration Increases Baseflow and Groundwater Storage in the Sierra Nevada Mountains of California" by Luke J.H. Hunt, Julie Fair, and Maxwell Odland. <i>Journal of the American Water Resources Association</i> , 2020, 56, 182-185.	2.4	6
4	Climate Change Causes River Network Contraction and Disconnection in the H.J. Andrews Experimental Forest, Oregon, USA. <i>Frontiers in Water</i> , 2020, 2, .	2.3	32
5	Multiscale Feature-Feature Interactions Control Patterns of Hyporheic Exchange in a Simulated Headwater Mountain Stream. <i>Water Resources Research</i> , 2019, 55, 10976-10992.	4.2	15
6	Simulation of dynamic expansion, contraction, and connectivity in a mountain stream network. <i>Advances in Water Resources</i> , 2018, 114, 64-82.	3.8	84
7	Time-Varying Transit Time Distributions in the Hyporheic Zone of a Headwater Mountain Stream. <i>Water Resources Research</i> , 2018, 54, 2017-2036.	4.2	23
8	Dynamic hyporheic and riparian flow path geometry through base flow recession in two headwater mountain stream corridors. <i>Water Resources Research</i> , 2017, 53, 3988-4003.	4.2	31
9	Hydrologic controls on hyporheic exchange in a headwater mountain stream. <i>Water Resources Research</i> , 2017, 53, 6260-6278.	4.2	34
10	Comprehensive multiyear carbon budget of a temperate headwater stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1306-1315.	3.0	40
11	Hydrogeomorphic controls on hyporheic and riparian transport in two headwater mountain streams during base flow recession. <i>Water Resources Research</i> , 2016, 52, 1479-1497.	4.2	36
12	Carbon dynamics in the hyporheic zone of a headwater mountain stream in the Cascade Mountains, Oregon. <i>Water Resources Research</i> , 2016, 52, 7556-7576.	4.2	26
13	Variations in surface water-ground water interactions along a headwater mountain stream: Comparisons between transient storage and water balance analyses. <i>Water Resources Research</i> , 2013, 49, 3359-3374.	4.2	71
14	Coupled transport and reaction kinetics control the nitrate source-sink function of hyporheic zones. <i>Water Resources Research</i> , 2012, 48, .	4.2	158
15	Dynamics of nitrate production and removal as a function of residence time in the hyporheic zone. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	370
16	Labile dissolved organic carbon supply limits hyporheic denitrification. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	128
17	The role of the hyporheic zone across stream networks. <i>Hydrological Processes</i> , 2011, 25, 3525-3532.	2.6	117
18	An analysis of alternative conceptual models relating hyporheic exchange flow to diel fluctuations in discharge during baseflow recession. <i>Hydrological Processes</i> , 2010, 24, 686-694.	2.6	61

#	ARTICLE	IF	CITATIONS
19	Hillslope hydrologic connectivity controls riparian groundwater turnover: Implications of catchment structure for riparian buffering and stream water sources. <i>Water Resources Research</i> , 2010, 46, .	4.2	165
20	Changes in hyporheic exchange flow following experimental wood removal in a small, low-gradient stream. <i>Water Resources Research</i> , 2009, 45, .	4.2	45
21	Hydrologic connectivity between landscapes and streams: Transferring reach- and plot-scale understanding to the catchment scale. <i>Water Resources Research</i> , 2009, 45, .	4.2	430
22	Flow velocity and the hydrologic behavior of streams during baseflow. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	57
23	Effect of morphology and discharge on hyporheic exchange flows in two small streams in the Cascade Mountains of Oregon, USA. <i>Hydrological Processes</i> , 2006, 20, 267-287.	2.6	171
24	A modelling study of hyporheic exchange pattern and the sequence, size, and spacing of stream bedforms in mountain stream networks, Oregon, USA. <i>Hydrological Processes</i> , 2006, 20, 2443-2457.	2.6	145
25	Patterns in stream longitudinal profiles and implications for hyporheic exchange flow at the H.J. Andrews Experimental Forest, Oregon, USA. <i>Hydrological Processes</i> , 2005, 19, 2931-2949.	2.6	97
26	Geomorphic controls on hyporheic exchange flow in mountain streams. <i>Water Resources Research</i> , 2003, 39, SBH 3-1-SBH 3-14.	4.2	338
27	Power-law residence time distribution in the hyporheic zone of a 2nd-order mountain stream. <i>Geophysical Research Letters</i> , 2002, 29, 18-1.	4.0	248