

Stephanie K Kampf

List of Publications by Year in descending order

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66
papers

1,943
citations

201674

27
h-index

276875

41
g-index

67
all docs

67
docs citations

67
times ranked

2353
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel approach to estimating soil yield risk in fire prone ecosystems. <i>Forest Ecology and Management</i> , 2022, 505, 119887.	3.2	1
2	Reconceptualizing the hyporheic zone for nonperennial rivers and streams. <i>Freshwater Science</i> , 2022, 41, 167-182.	1.8	15
3	Effects of spatial and temporal variability in surface water inputs on streamflow generation and cessation in the rain-snow transition zone. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2779-2796.	4.9	5
4	Hillslope sediment fence catch efficiencies and particle sorting for post-fire rain storms. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 267-279.	2.5	3
5	Connectivity of post-fire runoff and sediment from nested hillslopes and watersheds. <i>Hydrological Processes</i> , 2021, 35, .	2.6	11
6	Spatial Patterns and Drivers of Nonperennial Flow Regimes in the Contiguous United States. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090794.	4.0	54
7	Subsurface and Surface Flow Leading to Channel Initiation. , 2021, , .		0
8	Predicting mean annual and mean monthly streamflow in Colorado ungauged basins. <i>River Research and Applications</i> , 2021, 37, 569-578.	1.7	7
9	Controls on Streamflow Densities in Semiarid Rocky Mountain Catchments. <i>Water (Switzerland)</i> , 2021, 13, 521.	2.7	8
10	Beyond Streamflow: Call for a National Data Repository of Streamflow Presence for Streams and Rivers in the United States. <i>Water (Switzerland)</i> , 2021, 13, 1627.	2.7	14
11	Pervasive changes in stream intermittency across the United States. <i>Environmental Research Letters</i> , 2021, 16, 084033.	5.2	47
12	Managing nonperennial headwater streams in temperate forests of the United States. <i>Forest Ecology and Management</i> , 2021, 497, 119523.	3.2	13
13	Winter Inputs Buffer Streamflow Sensitivity to Snowpack Losses in the Salt River Watershed in the Lower Colorado River Basin. <i>Water (Switzerland)</i> , 2021, 13, 3.	2.7	18
14	On the hydrological difference between catchments above and below the intermittent-persistent snow transition. <i>Hydrological Processes</i> , 2021, 35, e14411.	2.6	8
15	What's in a Name? Patterns, Trends, and Suggestions for Defining Non-Perennial Rivers and Streams. <i>Water (Switzerland)</i> , 2020, 12, 1980.	2.7	49
16	River ecosystem conceptual models and non-perennial rivers: A critical review. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1473.	6.5	37
17	Subannual Streamflow Responses to Rainfall and Snowmelt Inputs in Snow-Dominated Watersheds of the Western United States. <i>Water Resources Research</i> , 2020, 56, e2019WR026132.	4.2	21
18	PEMIP: Post-fire erosion model inter-comparison project. <i>Journal of Environmental Management</i> , 2020, 268, 110704.	7.8	11

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19	The Case for an Open Water Balance: Re-envisioning Network Design and Data Analysis for a Complex, Uncertain World. <i>Water Resources Research</i> , 2020, 56, e2019WR026699.	4.2	36
20	Zero or not? Causes and consequences of zero-flow stream gage readings. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1436.	6.5	63
21	Science Gets Up to Speed on Dry Rivers. <i>Eos</i> , 2020, 101, .	0.1	10
22	Corrigendum to: Prioritising fuels reduction for water supply protection. <i>International Journal of Wildland Fire</i> , 2020, 29, 1054.	2.4	0
23	What's in a Name? Patterns, Trends, and Suggestions for Defining Non-Perennial Rivers and Streams. <i>Water (Switzerland)</i> , 2020, 12, 1980.	2.7	4
24	Partitioning snowmelt and rainfall in the critical zone: effects of climate type and soil properties. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3553-3570.	4.9	25
25	How Temperature Sensor Change Affects Warming Trends and Modeling: An Evaluation Across the State of Colorado. <i>Water Resources Research</i> , 2019, 55, 9748-9764.	4.2	17
26	Prioritising fuels reduction for water supply protection. <i>International Journal of Wildland Fire</i> , 2019, 28, 785.	2.4	29
27	Empirical models of annual post-fire erosion on mulched and unmulched hillslopes. <i>Catena</i> , 2018, 163, 276-287.	5.0	33
28	How Does Snow Persistence Relate to Annual Streamflow in Mountain Watersheds of the Western U.S. With Wet Maritime and Dry Continental Climates?. <i>Water Resources Research</i> , 2018, 54, 2605-2623.	4.2	41
29	Global snow zone maps and trends in snow persistence 2001-2016. <i>International Journal of Climatology</i> , 2018, 38, 4369-4383.	3.5	66
30	Rainfall Thresholds for Flow Generation in Desert Ephemeral Streams. <i>Water Resources Research</i> , 2018, 54, 9935-9950.	4.2	21
31	Changes in Andes snow cover from MODIS data, 2000-2016. <i>Cryosphere</i> , 2018, 12, 1027-1046.	3.9	68
32	Rainfall thresholds for post-fire runoff and sediment delivery from plot to watershed scales. <i>Forest Ecology and Management</i> , 2018, 430, 346-356.	3.2	39
33	Testing the Waters: Mobile Apps for Crowdsourced Streamflow Data. <i>Eos</i> , 2018, 99, .	0.1	34
34	Return on investment from fuel treatments to reduce severe wildfire and erosion in a watershed investment program in Colorado. <i>Journal of Environmental Management</i> , 2017, 198, 66-77.	7.8	55
35	A snow climatology of the Andes Mountains from MODIS snow cover data. <i>International Journal of Climatology</i> , 2017, 37, 1526-1539.	3.5	38
36	Deriving snow-cover depletion curves for different spatial scales from remote sensing and snow telemetry data. <i>Hydrological Processes</i> , 2016, 30, 1708-1717.	2.6	19

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37	On the non-uniqueness of the hydro-geomorphic responses in a zero-order catchment with respect to soil moisture. <i>Advances in Water Resources</i> , 2016, 92, 73-89.	3.8	21
38	How do geomorphic effects of rainfall vary with storm type and spatial scale in a post-fire landscape?. <i>Geomorphology</i> , 2016, 273, 39-51.	2.6	43
39	Transition of dominant peak flow source from snowmelt to rainfall along the Colorado Front Range: Historical patterns, trends, and lessons from the 2013 Colorado Front Range floods. <i>Water Resources Research</i> , 2016, 52, 407-422.	4.2	60
40	Rain and channel flow supplements to subsurface water beneath hyper-arid ephemeral stream channels. <i>Journal of Hydrology</i> , 2016, 536, 524-533.	5.4	10
41	Redistribution of pyrogenic carbon from hillslopes to stream corridors following a large montane wildfire. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1348-1355.	4.9	51
42	A GIS-based method for defining snow zones: application to the western United States. <i>Geocarto International</i> , 2015, 30, 62-81.	3.5	26
43	Snowmelt runoff and soil moisture dynamics on steep subalpine hillslopes. <i>Hydrological Processes</i> , 2015, 29, 712-723.	2.6	23
44	Snow water equivalent modeling components in NewAge-JGrass. <i>Geoscientific Model Development</i> , 2014, 7, 725-736.	3.6	21
45	Evaluation of digital channel network derivation methods in a glaciated subalpine catchment. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 1790-1802.	2.5	7
46	Stochastic Method for Examining Vulnerability of Hydropower Generation and Reservoir Operations to Climate Change: Case Study of the Dworshak Reservoir in Idaho. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, .	2.6	10
47	Estimating source regions for snowmelt runoff in a Rocky Mountain basin: tests of a data-based conceptual modeling approach. <i>Hydrological Processes</i> , 2014, 28, 2237-2250.	2.6	15
48	Linear models for estimating annual and growing season reference evapotranspiration using averages of weather variables. <i>International Journal of Climatology</i> , 2013, 33, 376-387.	3.5	16
49	9.3 Subsurface and Surface Flow Leading to Channel Initiation. , 2013, , 22-42.		8
50	Revised Coefficients for Priestley-Taylor and Makkink-Hansen Equations for Estimating Daily Reference Evapotranspiration. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1289-1300.	1.9	59
51	Spatiotemporal index for analyzing controls on snow climatology: application in the Colorado Front Range. <i>Physical Geography</i> , 2013, 34, 85-107.	1.4	39
52	Catalyzing Frontiers in Water-Climate-Society Research: A View from Early Career Scientists and Junior Faculty. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 477-484.	3.3	12
53	A Stochastic Conceptual Modeling Approach for Examining the Effects of Climate Change on Streamflows in Mountain Basins. <i>Journal of Hydrometeorology</i> , 2012, 13, 837-855.	1.9	9
54	Effects of evapotranspiration on baseflow in a tropical headwater catchment. <i>Journal of Hydrology</i> , 2012, 462-463, 4-14.	5.4	22

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55	Variability and persistence of hillslope initial conditions: A continuous perspective on subsurface flow response to rain events. <i>Journal of Hydrology</i> , 2011, 404, 176-185.	5.4	21
56	A synthetic hydrologic response dataset. <i>Hydrological Processes</i> , 2011, 25, 3688-3692.	2.6	15
57	Quantifying the water balance in a planar hillslope plot: Effects of measurement errors on flow prediction. <i>Journal of Hydrology</i> , 2010, 380, 191-202.	5.4	27
58	A hypothetical reality of Tarrawarra-like hydrologic response. <i>Hydrological Processes</i> , 2009, 23, 1093-1103.	2.6	27
59	A framework for classifying and comparing distributed hillslope and catchment hydrologic models. <i>Water Resources Research</i> , 2007, 43, .	4.2	130
60	Parameter estimation for a physics-based distributed hydrologic model using measured outflow fluxes and internal moisture states. <i>Water Resources Research</i> , 2007, 43, .	4.2	24
61	Accuracy and uncertainty of thermal-infrared remote sensing of stream temperatures at multiple spatial scales. <i>Remote Sensing of Environment</i> , 2006, 100, 427-440.	11.0	113
62	Spatial characterization of land surface energy fluxes and uncertainty estimation at the Salar de Atacama, Northern Chile. <i>Advances in Water Resources</i> , 2006, 29, 336-354.	3.8	33
63	ASSESSING SATELLITE-BASED AND AIRCRAFT-BASED THERMAL INFRARED REMOTE SENSING FOR MONITORING PACIFIC NORTHWEST RIVER TEMPERATURE. <i>Journal of the American Water Resources Association</i> , 2005, 41, 1149-1159.	2.4	43
64	ACCURACY OF LAKE AND STREAM TEMPERATURES ESTIMATED FROM THERMAL INFRARED IMAGES. <i>Journal of the American Water Resources Association</i> , 2005, 41, 1161-1175.	2.4	53
65	Evaporation and land surface energy budget at the Salar de Atacama, Northern Chile. <i>Journal of Hydrology</i> , 2005, 310, 236-252.	5.4	85
66	Preliminary Investigations of Effluent Drainage from Mining Heap Leach Facilities. <i>Vadose Zone Journal</i> , 2002, 1, 186-196.	2.2	0