Jason B Fellman

List of Publications by Year
in descending order

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46 papers	4,179 citations	218381 26 h-index	223531 46 g-index
47 all docs	47 docs citations	47 times ranked	4123 citing authors

#	Article	IF	Citations
1	Fluorescence spectroscopy opens new windows into dissolved organic matter dynamics in freshwater ecosystems: A review. Limnology and Oceanography, 2010, 55, 2452-2462.	1.6	961
2	Glaciers as a source of ancient and labile organic matter to the marine environment. Nature, 2009, 462, 1044-1047.	13.7	452
3	Fluorescence characteristics and biodegradability of dissolved organic matter in forest and wetland soils from coastal temperate watersheds in southeast Alaska. Biogeochemistry, 2008, 88, 169-184.	1.7	344
4	Storage and release of organic carbon from glaciers and ice sheets. Nature Geoscience, 2015, 8, 91-96.	5.4	262
5	Seasonal changes in the chemical quality and biodegradability of dissolved organic matter exported from soils to streams in coastal temperate rainforest watersheds. Biogeochemistry, 2009, 95, 277-293.	1.7	236
6	Changes in the concentration, biodegradability, and fluorescent properties of dissolved organic matter during stormflows in coastal temperate watersheds. Journal of Geophysical Research, 2009, 114, .	3.3	214
7	Source and biolability of ancient dissolved organic matter in glacier and lake ecosystems on the Tibetan Plateau. Geochimica Et Cosmochimica Acta, 2014, 142, 64-74.	1.6	186
8	The impact of glacier runoff on the biodegradability and biochemical composition of terrigenous dissolved organic matter in near-shore marine ecosystems. Marine Chemistry, 2010, 121, 112-122.	0.9	153
9	Characterizing Dissolved Organic Matter Using PARAFAC Modeling of Fluorescence Spectroscopy: A Comparison of Two Models. Environmental Science & Technology, 2009, 43, 6228-6234.	4.6	137
10	An evaluation of freezing as a preservation technique for analyzing dissolved organic C, N and P in surface water samples. Science of the Total Environment, 2008, 392, 305-312.	3.9	93
11	Source, biogeochemical cycling, and fluorescence characteristics of dissolved organic matter in an agroâ€urban estuary. Limnology and Oceanography, 2011, 56, 243-256.	1.6	88
12	Beyond respiration: Controls on lateral carbon fluxes across the terrestrialâ€aquatic interface. Limnology and Oceanography Letters, 2018, 3, 76-88.	1.6	81
13	Evidence for the assimilation of ancient glacier organic carbon in a proglacial stream food web. Limnology and Oceanography, 2015, 60, 1118-1128.	1.6	79
14	The origin and function of dissolved organic matter in agro-urban coastal streams. Journal of Geophysical Research, 2011, 116, .	3.3	77
15	Stream temperature response to variable glacier coverage in coastal watersheds of Southeast Alaska. Hydrological Processes, 2014, 28, 2062-2073.	1.1	68
16	Hydrologic control of dissolved organic matter biogeochemistry in pools of a subtropical dryland river. Water Resources Research, 2011, 47, .	1.7	65
17	Dissolved organic carbon biolability decreases along with its modernization in fluvial networks in an ancient landscape. Ecology, 2014, 95, 2622-2632.	1.5	53
18	Uptake of Allochthonous Dissolved Organic Matter from Soil and Salmon in Coastal Temperate Rainforest Streams. Ecosystems, 2009, 12, 747-759.	1.6	51

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19	Salmon influences on dissolved organic matter in a coastal temperate brownwater stream: An application of fluorescence spectroscopy. Limnology and Oceanography, 2007, 52, 1580-1587.	1.6	41
20	Seasonal variability of organic matter composition in an Alaskan glacier outflow: insights into glacier carbon sources. Environmental Research Letters, 2014, 9, 055005.	2.2	41
21	Leaf litter chemistry, decomposition and assimilation by macroinvertebrates in two tropical streams. Hydrobiologia, 2012, 680, 63-77.	1.0	35
22	Controls on dissolved organic matter concentrations in soils and streams from a forested wetland and sloping bog in southeast Alaska. Ecohydrology, 2010, 3, 249-261.	1.1	34
23	Stream Physical Characteristics Impact Habitat Quality for Pacific Salmon in Two Temperate Coastal Watersheds. PLoS ONE, 2015, 10, e0132652.	1.1	34
24	Spatial Variation in the Origin of Dissolved Organic Carbon in Snow on the Juneau Icefield, Southeast Alaska. Environmental Science & Technology, 2015, 49, 11492-11499.	4.6	34
25	Dissolved Organic Carbon Fluxes from Hydropedologic Units in Alaskan Coastal Temperate Rainforest Watersheds. Soil Science Society of America Journal, 2015, 79, 378-388.	1.2	32
26	Watershed Glacier Coverage Influences Dissolved Organic Matter Biogeochemistry in Coastal Watersheds of Southeast Alaska. Ecosystems, 2014, 17, 1014-1025.	1.6	27
27	Alluvial ground water influences dissolved organic matter biogeochemistry of pools within intermittent dryland streams. Freshwater Biology, 2016, 61, 1228-1241.	1.2	27
28	Return of Salmon-Derived Nutrients from the Riparian Zone to the Stream during a Storm in Southeastern Alaska. Ecosystems, 2008, 11, 537-544.	1.6	25
29	Tracing biogeochemical subsidies from glacier runoff into Alaska's coastal marine food webs. Global Change Biology, 2018, 24, 387-398.	4.2	25
30	Radiative Forcing by Dust and Black Carbon on the Juneau Icefield, Alaska. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3943-3959.	1.2	24
31	Climate-Mediated Changes to Linked Terrestrial and Marine Ecosystems across the Northeast Pacific Coastal Temperate Rainforest Margin. BioScience, 2021, 71, 581-595.	2.2	23
32	Allochthonous dissolved organic matter controls bacterial carbon production in old-growth and clearfelled headwater streams. Freshwater Science, 2013, 32, 821-836.	0.9	21
33	Vulnerability of wetland soil carbon stocks to climate warming in the perhumid coastal temperate rainforest. Biogeochemistry, 2017, 133, 165-179.	1.7	19
34	Glacier Loss Impacts Riverine Organic Carbon Transport to the Ocean. Geophysical Research Letters, 2020, 47, e2020GL089804.	1.5	19
35	Riverine Dissolved Organic Carbon and Freshwater Export in the Eastern Gulf of Alaska. Journal of Geophysical Research G: Biogeosciences, 2021, 126, .	1.3	18
36	Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. Limnology and Oceanography, 2021, 66, 438-451.	1.6	16

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37	Influence of streamâ€“floodplain biogeochemical linkages on aquatic foodweb structure along a gradient of stream size in a tropical catchment. Freshwater Science, 2013, 32, 217-229.	0.9	13
38	The evolution of stream dissolved organic matter composition following glacier retreat in coastal watersheds of southeast Alaska. Biogeochemistry, 2023, 164, 99-116.	1.7	12
39	Greater phosphorus uptake in forested headwater streams modified by clearfell forestry. Hydrobiologia, 2013, 703, 1-14.	1.0	10
40	A melting cryosphere constrains fish growth by synchronizing the seasonal phenology of river food webs. Global Change Biology, 2022, 28, 4807-4818.	4.2	10
41	Stormflows Drive Stream Carbon Concentration, Speciation, and Dissolved Organic Matter Composition in Coastal Temperate Rainforest Watersheds. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005804.	1.3	8
42	Salmonâ€derived nutrient and organic matter fluxes from a coastal catchment in southeast Alaska. Freshwater Biology, 2019, 64, 1157-1168.	1.2	7
43	Interactive physical and biotic factors control dissolved oxygen in salmon spawning streams in coastal Alaska. Aquatic Sciences, 2019, 81, 1.	0.6	7
44	Assessing the Role of Photochemistry in Driving the Composition of Dissolved Organic Matter in Glacier Runoff. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006516.	1.3	7
45	Global estimates of soil carbon sequestration via livestock waste: a STELLA simulation. Environment, Development and Sustainability, 2009, 11, 871-885.	2.7	6
46	Streamflow variability controls N and P export and speciation from Alaskan coastal temperate rainforest watersheds. Biogeochemistry, 2021, 152, 253-270.	1.7	4