

Suzanne E Tank

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

2,424
citations

25
h-index

48
g-index

99
ext. papers

3,034
ext. citations

5.4
avg, IF

5.11
L-index

#	Paper	IF	Citations
70	Seasonal and Annual Fluxes of Nutrients and Organic Matter from Large Rivers to the Arctic Ocean and Surrounding Seas. <i>Estuaries and Coasts</i> , 2012 , 35, 369-382	2.8	412
69	Reviews and syntheses: Effects of permafrost thaw on Arctic aquatic ecosystems. <i>Biogeosciences</i> , 2015 , 12, 7129-7167	4.6	261
68	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016 , 11, 034014	6.2	165
67	Biodegradability of dissolved organic carbon in permafrost soils and aquatic systems: a meta-analysis. <i>Biogeosciences</i> , 2015 , 12, 6915-6930	4.6	112
66	Particulate organic carbon and nitrogen export from major Arctic rivers. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 629-643	5.9	102
65	A land-to-ocean perspective on the magnitude, source and implication of DIC flux from major Arctic rivers to the Arctic Ocean. <i>Global Biogeochemical Cycles</i> , 2012 , 26, n/a-n/a	5.9	99
64	Multi-decadal increases in dissolved organic carbon and alkalinity flux from the Mackenzie drainage basin to the Arctic Ocean. <i>Environmental Research Letters</i> , 2016 , 11, 054015	6.2	90
63	Landscape-level controls on dissolved carbon flux from diverse catchments of the circumboreal. <i>Global Biogeochemical Cycles</i> , 2012 , 26, n/a-n/a	5.9	69
62	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. <i>Frontiers in Earth Science</i> , 2016 , 4,	3.5	69
61	The Processing and Impact of Dissolved Riverine Nitrogen in the Arctic Ocean. <i>Estuaries and Coasts</i> , 2012 , 35, 401-415	2.8	61
60	Northern Delta Lakes as Summertime CO ₂ Absorbers Within the Arctic Landscape. <i>Ecosystems</i> , 2009 , 12, 144-157	3.9	56
59	Elemental Composition of Littoral Invertebrates from Oligotrophic and Eutrophic Canadian Lakes. <i>Journal of the North American Benthological Society</i> , 2003 , 22, 51-62		56
58	Beyond respiration: Controls on lateral carbon fluxes across the terrestrial-aquatic interface. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 76-88	7.9	52
57	Multiple tracers demonstrate distinct sources of dissolved organic matter to lakes of the Mackenzie Delta, western Canadian Arctic. <i>Limnology and Oceanography</i> , 2011 , 56, 1297-1309	4.8	50
56	Integrating hydrology and biogeochemistry across frozen landscapes. <i>Nature Communications</i> , 2019 , 10, 5377	17.4	49
55	Increasing Alkalinity Export from Large Russian Arctic Rivers. <i>Environmental Science & Technology</i> , 2018 , 52, 8302-8308	10.3	44
54	Retrogressive thaw slumps temper dissolved organic carbon delivery to streams of the Peel Plateau, NWT, Canada. <i>Biogeosciences</i> , 2017 , 14, 5487-5505	4.6	37

53	Landscape matters: Predicting the biogeochemical effects of permafrost thaw on aquatic networks with a state factor approach. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 358-370	4.2	36
52	Unprecedented Increases in Total and Methyl Mercury Concentrations Downstream of Retrogressive Thaw Slumps in the Western Canadian Arctic. <i>Environmental Science & Technology</i> , 2018 , 52, 14099-14109	10.3	36
51	Elevated pH regulates bacterial carbon cycling in lakes with high photosynthetic activity. <i>Ecology</i> , 2009 , 90, 1910-22	4.6	33
50	Mineral Weathering and the Permafrost Carbon-Climate Feedback. <i>Geophysical Research Letters</i> , 2018 , 45, 9623-9632	4.9	33
49	Climate Change Impacts on the Hydrology and Biogeochemistry of Arctic Rivers1-26		33
48	Mercury Export from Arctic Great Rivers. <i>Environmental Science & Technology</i> , 2020 , 54, 4140-4148	10.3	30
47	Direct and indirect effects of UV radiation on benthic communities: epilithic food quality and invertebrate growth in four montane lakes. <i>Oikos</i> , 2003 , 103, 651-667	4	26
46	Seasonal shifts in export of DOC and nutrients from burned and unburned peatland-rich catchments, Northwest Territories, Canada. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 4455-4472	5.5	25
45	A global hotspot for dissolved organic carbon in hypermaritime watersheds of coastal British Columbia. <i>Biogeosciences</i> , 2017 , 14, 3743-3762	4.6	23
44	Watershed slope as a predictor of fluvial dissolved organic matter and nitrate concentrations across geographical space and catchment size in the Arctic. <i>Environmental Research Letters</i> , 2018 , 13, 104015	6.2	21
43	Effect of ultraviolet radiation on alkaline phosphatase activity and planktonic phosphorus acquisition in Canadian boreal shield lakes. <i>Limnology and Oceanography</i> , 2005 , 50, 1345-1351	4.8	20
42	Coordination and Sustainability of River Observing Activities in the Arctic. <i>Arctic</i> , 2015 , 68, 59	2.1	20
41	Thermokarst Effects on Carbon Dioxide and Methane Fluxes in Streams on the Peel Plateau (NWT, Canada). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 1781-1798	3.7	18
40	Seasonal Dynamics of Dissolved Methane in Lakes of the Mackenzie Delta and the Role of Carbon Substrate Quality. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 591-609	3.7	18
39	Assessing the Potential for Mobilization of Old Soil Carbon After Permafrost Thaw: A Synthesis of 14C Measurements From the Northern Permafrost Region. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2020GB006672	5.0	18
38	Reviews and Syntheses: Effects of permafrost thaw on arctic aquatic ecosystems		17
37	Lipoxygenase-induced autoxidative degradation of terrestrial particulate organic matter in estuaries: A widespread process enhanced at high and low latitude. <i>Organic Geochemistry</i> , 2018 , 115, 78-92	3.1	16
36	Particulate dominance of organic carbon mobilization from thaw slumps on the Peel Plateau, NT: Quantification and implications for stream systems and permafrost carbon release. <i>Environmental Research Letters</i> , 2020 , 15, 114019	6.2	16

35	Seasonal and Geographic Variation in Dissolved Carbon Biogeochemistry of Rivers Draining to the Canadian Arctic Ocean and Hudson Bay. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 3371-3386	3.7	16
34	Terrestrial exports of dissolved and particulate organic carbon affect nearshore ecosystems of the Pacific coastal temperate rainforest. <i>Limnology and Oceanography</i> , 2020 , 65, 2657-2675	4.8	13
33	Fluvial CO and CH patterns across wildfire-disturbed ecozones of subarctic Canada: Current status and implications for future change. <i>Global Change Biology</i> , 2019 , 26, 2304	11.4	12
32	Experimental Evidence That Permafrost Thaw History and Mineral Composition Shape Abiotic Carbon Cycling in Thermokarst-Affected Stream Networks. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	10
31	Lability of dissolved organic carbon from boreal peatlands: interactions between permafrost thaw, wildfire, and season. <i>Canadian Journal of Soil Science</i> , 2020 , 100, 503-515	1.4	10
30	The role of ultraviolet radiation in structuring epilithic algal communities in Rocky Mountain montane lakes: evidence from pigments and taxonomy. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004 , 61, 1461-1474	2.4	10
29	The BorealArctic Wetland and Lake Dataset (BAWLD). <i>Earth System Science Data</i> , 2021 , 13, 5127-5149	10.5	10
28	An Abrupt Aging of Dissolved Organic Carbon in Large Arctic Rivers. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088823	4.9	10
27	Stream Dissolved Organic Matter in Permafrost Regions Shows Surprising Compositional Similarities but Negative Priming and Nutrient Effects. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006719	5.9	10
26	Biodegradability of Thermokarst Carbon in a Till-Associated, Glacial Margin Landscape: The Case of the Peel Plateau, NWT, Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 3293-3307	3.7	10
25	Thaw-driven mass wasting couples slopes with downstream systems, and effects propagate through Arctic drainage networks. <i>Cryosphere</i> , 2021 , 15, 3059-3081	5.5	10
24	Biodegradability of dissolved organic carbon in permafrost soils and waterways: a meta-analysis		7
23	Preferential export of permafrost-derived organic matter as retrogressive thaw slumping intensifies. <i>Environmental Research Letters</i> , 2021 , 16, 054059	6.2	7
22	Climate-Mediated Changes to Linked Terrestrial and Marine Ecosystems across the Northeast Pacific Coastal Temperate Rainforest Margin. <i>BioScience</i> , 2021 , 71, 581-595	5.7	7
21	Thermokarst amplifies fluvial inorganic carbon cycling and export across watershed scales on the Peel Plateau, Canada. <i>Biogeosciences</i> , 2020 , 17, 5163-5182	4.6	6
20	Pan-Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsides. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006871	5.9	5
19	Permafrost-derived dissolved organic matter composition varies across permafrost end-members in the western Canadian Arctic. <i>Environmental Research Letters</i> , 2021 , 16, 024036	6.2	5
18	Watershed Classification Predicts Streamflow Regime and Organic Carbon Dynamics in the Northeast Pacific Coastal Temperate Rainforest. <i>Global Biogeochemical Cycles</i> ,	5.9	4

17	Permafrost thaw couples slopes with downstream systems and effects propagate through Arctic drainage networks		4
16	Fire in the Arctic: The effect of wildfire across diverse aquatic ecosystems of the Northwest Territories 2019 , 1, 31-38		4
15	Downstream Evolution of Particulate Organic Matter Composition From Permafrost Thaw Slumps. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	4
14	Coupled hydrological and geochemical impacts of wildfire in peatland-dominated regions of discontinuous permafrost. <i>Science of the Total Environment</i> , 2021 , 782, 146841	10.2	4
13	Aged soils contribute little to contemporary carbon cycling downstream of thawing permafrost peatlands. <i>Global Change Biology</i> , 2021 , 27, 5368-5382	11.4	3
12	Heat flux, water temperature and discharge from 15 northern Canadian rivers draining to Arctic Ocean and Hudson Bay. <i>Global and Planetary Change</i> , 2021 , 204, 103577	4.2	3
11	Globally significant yields of dissolved organic carbon from small watersheds of the Pacific coastal temperate rainforest		2
10	Rain-fed streams dilute inorganic nutrients but subsidise organic-matter-associated nutrients in coastal waters of the northeast Pacific Ocean. <i>Biogeosciences</i> , 2021 , 18, 3029-3052	4.6	2
9	Methane emission dynamics among CO ₂ -absorbing and thermokarst lakes of a great Arctic delta. <i>Biogeochemistry</i> , 2021 , 156, 375	3.8	2
8	Fluxes, processing, and fate of riverine organic and inorganic carbon in the Arctic Ocean 530-553		1
7	Are different benthic communities in Arctic delta lakes distinguishable along a hydrological connectivity gradient using a rapid bioassessment approach?. <i>Arctic Science</i> , 2020 , 6, 463-487	2.2	1
6	Hydrological resilience to forest fire in the subarctic Canadian shield. <i>Hydrological Processes</i> , 2020 , 34, 4940-4958	3.3	1
5	The Kwakshua Watersheds Observatory, central coast of British Columbia, Canada. <i>Hydrological Processes</i> , 2021 , 35, e14198	3.3	1
4	Low biodegradability of particulate organic carbon mobilized from thaw slumps on the Peel Plateau, NT, and possible chemosynthesis and sorption effects. <i>Biogeosciences</i> , 2022 , 19, 1871-1890	4.6	1
3	Element cycling and aquatic function in a changing Arctic. <i>Limnology and Oceanography</i> , 2021 , 66, S1	4.8	0
2	Declining Summertime pCO ₂ in Tundra Lakes in a Granitic Landscape. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006850	5.9	0
1	Multidecadal declines in particulate mercury and sediment export from Russian rivers in the pan-Arctic basin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2119857119	11.5	