Suzanne E Tank

List of Publications by Year
in descending order

68 papers	3,596 citations	159358 30 h-index	143772 57 g-index
99 all docs	99 docs citations	99 times ranked	3690 citing authors

#	Article	IF	Citations
1	Watershed Classification Predicts Streamflow Regime and Organic Carbon Dynamics in the Northeast Pacific Coastal Temperate Rainforest. Global Biogeochemical Cycles, 2022, 36, .	1.9	13
2	Multidecadal declines in particulate mercury and sediment export from Russian rivers in the pan-Arctic basin. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119857119.	3.3	14
3	Low biodegradability of particulate organic carbon mobilized from thaw slumps on the Peel Plateau, NT, and possible chemosynthesis and sorption effects. Biogeosciences, 2022, 19, 1871-1890.	1.3	6
4	Turbidity Currents Can Dictate Organic Carbon Fluxes Across Riverâ€Fed Fjords: An Example From Bute Inlet (BC, Canada). Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	7
5	Stream Dissolved Organic Matter in Permafrost Regions Shows Surprising Compositional Similarities but Negative Priming and Nutrient Effects. Global Biogeochemical Cycles, 2021, 35, e2020GB006719.	1.9	30
6	Element cycling and aquatic function in a changing Arctic. Limnology and Oceanography, 2021, 66, S1.	1.6	4
7	Permafrost-derived dissolved organic matter composition varies across permafrost end-members in the western Canadian Arctic. Environmental Research Letters, 2021, 16, 024036.	2.2	18
8	Declining Summertime pCO₂ in Tundra Lakes in a Granitic Landscape. Global Biogeochemical Cycles, 2021, 35, e2020GB006850.	1.9	3
9	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
10	Downstream Evolution of Particulate Organic Matter Composition From Permafrost Thaw Slumps. Frontiers in Earth Science, 2021, 9, .	0.8	9
11	Panâ€Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsidies. Global Biogeochemical Cycles, 2021, 35, e2020GB006871.	1.9	31
12	Preferential export of permafrost-derived organic matter as retrogressive thaw slumping intensifies. Environmental Research Letters, 2021, 16, 054059.	2.2	22
13	Rain-fed streams dilute inorganic nutrients but subsidise organic-matter-associated nutrients in coastal waters of the northeast Pacific Ocean. Biogeosciences, 2021, 18, 3029-3052.	1.3	7
14	The Kwakshua Watersheds Observatory, central coast of British Columbia, Canada. Hydrological Processes, 2021, 35, e14198.	1.1	4
15	Aged soils contribute little to contemporary carbon cycling downstream of thawing permafrost peatlands. Global Change Biology, 2021, 27, 5368-5382.	4.2	9
16	Thaw-driven mass wasting couples slopes with downstream systems, and effects propagate through Arctic drainage networks. Cryosphere, 2021, 15, 3059-3081.	1.5	34
17	Coupled hydrological and geochemical impacts of wildfire in peatland-dominated regions of discontinuous permafrost. Science of the Total Environment, 2021, 782, 146841.	3.9	18
18	Methane emission dynamics among CO2-absorbing and thermokarst lakes of a great Arctic delta. Biogeochemistry, 2021, 156, 375-399.	1.7	4

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19	Heat flux, water temperature and discharge from 15 northern Canadian rivers draining to Arctic Ocean and Hudson Bay. Global and Planetary Change, 2021, 204, 103577.	1.6	14
20	The Borealâ€“Arctic Wetland and Lake Dataset (BAWLD). Earth System Science Data, 2021, 13, 5127-5149.	3.7	46
21	Fluvial CO 2 and CH 4 patterns across wildfireâ€disturbed ecozones of subarctic Canada: Current status and implications for future change. Global Change Biology, 2020, 26, 2304-2319.	4.2	22
22	Hydrological resilience to forest fire in the subarctic Canadian shield. Hydrological Processes, 2020, 34, 4940-4958.	1.1	8
23	An Abrupt Aging of Dissolved Organic Carbon in Large Arctic Rivers. Geophysical Research Letters, 2020, 47, e2020GL088823.	1.5	33
24	Assessing the Potential for Mobilization of Old Soil Carbon After Permafrost Thaw: A Synthesis of ¹⁴C Measurements From the Northern Permafrost Region. Global Biogeochemical Cycles, 2020, 34, e2020GB006672.	1.9	36
25	Terrestrial exports of dissolved and particulate organic carbon affect nearshore ecosystems of the Pacific coastal temperate rainforest. Limnology and Oceanography, 2020, 65, 2657-2675.	1.6	18
26	Landscape matters: Predicting the biogeochemical effects of permafrost thaw on aquatic networks with a state factor approach. Permafrost and Periglacial Processes, 2020, 31, 358-370.	1.5	66
27	Experimental Evidence That Permafrost Thaw History and Mineral Composition Shape Abiotic Carbon Cycling in Thermokarst-Affected Stream Networks. Frontiers in Earth Science, 2020, 8, .	0.8	17
28	Lability of dissolved organic carbon from boreal peatlands: interactions between permafrost thaw, wildfire, and season. Canadian Journal of Soil Science, 2020, 100, 503-515.	0.5	18
29	Mercury Export from Arctic Great Rivers. Environmental Science & Technology, 2020, 54, 4140-4148.	4.6	59
30	Particulate dominance of organic carbon mobilization from thaw slumps on the Peel Plateau, NT: Quantification and implications for stream systems and permafrost carbon release. Environmental Research Letters, 2020, 15, 114019.	2.2	33
31	Thermokarst amplifies fluvial inorganic carbon cycling and export across watershed scales on the Peel Plateau, Canada. Biogeosciences, 2020, 17, 5163-5182.	1.3	13
32	Are different benthic communities in Arctic delta lakes distinguishable along a hydrological connectivity gradient using a rapid bioassessment approach?. Arctic Science, 2020, 6, 463-487.	0.9	2
33	Thermokarst Effects on Carbon Dioxide and Methane Fluxes in Streams on the Peel Plateau (NWT,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	33
34	Integrating hydrology and biogeochemistry across frozen landscapes. Nature Communications, 2019, 10, 5377.	5.8	87
35	Fire in the Arctic: The effect of wildfire across diverse aquatic ecosystems of the Northwest Territories. , 2019, 1, 31-38.		5
36	Seasonal Dynamics of Dissolved Methane in Lakes of the Mackenzie Delta and the Role of Carbon Substrate Quality. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 591-609.	1.3	22

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37	Beyond respiration: Controls on lateral carbon fluxes across the terrestrialâ€aquatic interface. Limnology and Oceanography Letters, 2018, 3, 76-88.	1.6	81
38	Lipoxygenase-induced autoxidative degradation of terrestrial particulate organic matter in estuaries: A widespread process enhanced at high and low latitude. Organic Geochemistry, 2018, 115, 78-92.	0.9	22
39	Unprecedented Increases in Total and Methyl Mercury Concentrations Downstream of Retrogressive Thaw Slumps in the Western Canadian Arctic. Environmental Science & Technology, 2018, 52, 14099-14109.	4.6	58
40	Watershed slope as a predictor of fluvial dissolved organic matter and nitrate concentrations across geographical space and catchment size in the Arctic. Environmental Research Letters, 2018, 13, 104015.	2.2	35
41	Biodegradability of Thermokarst Carbon in a Tillâ€Associated, Glacial Margin Landscape: The Case of the Peel Plateau, NWT, Canada. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 3293-3307.	1.3	15
42	Seasonal shifts in export of DOC and nutrients from burned and unburned peatland-rich catchments, Northwest Territories, Canada. Hydrology and Earth System Sciences, 2018, 22, 4455-4472.	1.9	40
43	Mineral Weathering and the Permafrost Carbonâ€Climate Feedback. Geophysical Research Letters, 2018, 45, 9623-9632.	1.5	49
44	Seasonal and Geographic Variation in Dissolved Carbon Biogeochemistry of Rivers Draining to the Canadian Arctic Ocean and Hudson Bay. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 3371-3386.	1.3	22
45	Increasing Alkalinity Export from Large Russian Arctic Rivers. Environmental Science & Technology, 2018, 52, 8302-8308.	4.6	74
46	A global hotspot for dissolved organic carbon in hypermaritime watersheds of coastal British Columbia. Biogeosciences, 2017, 14, 3743-3762.	1.3	35
47	Retrogressive thaw slumps temper dissolved organic carbon delivery to streams of the Peel Plateau, NWT, Canada. Biogeosciences, 2017, 14, 5487-5505.	1.3	51
48	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. Frontiers in Earth Science, 2016, 4, .	0.8	104
49	Multi-decadal increases in dissolved organic carbon and alkalinity flux from the Mackenzie drainage basin to the Arctic Ocean. Environmental Research Letters, 2016, 11, 054015.	2.2	130
50	Particulate organic carbon and nitrogen export from major Arctic rivers. Global Biogeochemical Cycles, 2016, 30, 629-643.	1.9	157
51	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. Environmental Research Letters, 2016, 11, 034014.	2.2	199
52	Reviews and syntheses: Effects of permafrost thaw on Arctic aquatic ecosystems. Biogeosciences, 2015, 12, 7129-7167.	1.3	354
53	Biodegradability of dissolved organic carbon in permafrost soils and aquatic systems: a meta-analysis. Biogeosciences, 2015, 12, 6915-6930.	1.3	153
54	Coordination and Sustainability of River Observing Activities in the Arctic. Arctic, 2015, 68, 59.	0.2	24

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55	Fluxes, processing, and fate of riverine organic and inorganic carbon in the Arctic Ocean. , 2013, , 530-553.		1
56	A landâ€toâ€ocean perspective on the magnitude, source and implication of DIC flux from major Arctic rivers to the Arctic Ocean. Global Biogeochemical Cycles, 2012, 26, .	1.9	121
57	Landscapeâ€level controls on dissolved carbon flux from diverse catchments of the circumboreal. Global Biogeochemical Cycles, 2012, 26, .	1.9	82
58	Seasonal and Annual Fluxes of Nutrients and Organic Matter from Large Rivers to the Arctic Ocean and Surrounding Seas. Estuaries and Coasts, 2012, 35, 369-382.	1.0	528
59	The Processing and Impact of Dissolved Riverine Nitrogen in the Arctic Ocean. Estuaries and Coasts, 2012, 35, 401-415.	1.0	78
60	Multiple tracers demonstrate distinct sources of dissolved organic matter to lakes of the Mackenzie Delta, western Canadian Arctic. Limnology and Oceanography, 2011, 56, 1297-1309.	1.6	63
61	Northern Delta Lakes as Summertime CO2 Absorbers Within the Arctic Landscape. Ecosystems, 2009, 12, 144-157.	1.6	65
62	Elevated pH regulates bacterial carbon cycling in lakes with high photosynthetic activity. Ecology, 2009, 90, 1910-1922.	1.5	39
63	Effect of ultraviolet radiation on alkaline phosphatase activity and planktonic phosphorus acquisition in Canadian boreal shield lakes. Limnology and Oceanography, 2005, 50, 1345-1351.	1.6	23
64	The role of ultraviolet radiation in structuring epilithic algal communities in Rocky Mountain montane lakes: evidence from pigments and taxonomy. Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 1461-1474.	0.7	14
65	Direct and indirect effects of UV radiation on benthic communities: epilithic food quality and invertebrate growth in four montane lakes. Oikos, 2003, 103, 651-667.	1.2	31
66	Elemental Composition of Littoral Invertebrates from Oligotrophic and Eutrophic Canadian Lakes. Journal of the North American Benthological Society, 2003, 22, 51-62.	3.0	65
67	We Must Stop Fossil Fuel Emissions to Protect Permafrost Ecosystems. Frontiers in Environmental Science, 0, 10, .	1.5	9
68	Seasonally and Spatially Variable Organic Matter Contributions From Watershed, Marine Macrophyte, and Pelagic Sources to the Northeast Pacific Coastal Ocean Margin. Frontiers in Marine Science, 0, 9, .	1.2	4