

Francois Guillemette

List of Publications by Year in Descending Order

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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.

30
papers

1,213
citations

19
h-index

33
g-index

33
ext. papers

1,523
ext. citations

5.5
avg, IF

4.85
L-index

#	Paper	IF	Citations
30	Unrelated Fungal Rust Candidate Effectors Act on Overlapping Plant Functions. <i>Microorganisms</i> , 2021 , 9,	4.9	1
29	Key Questions on the Evaporation and Transport of Intercepted Precipitation Open image in new window 2020 , 269-280		3
28	Throughfall and Stemflow: The Crowning Headwaters of the Aquatic Carbon Cycle Open image in new window 2020 , 121-132		3
27	Systematic microbial production of optically active dissolved organic matter in subarctic lake water. <i>Limnology and Oceanography</i> , 2020 , 65, 951-961	4.8	3
26	Delineating the Continuum of Dissolved Organic Matter in Temperate River Networks. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2019GB006495	5.9	12
25	Convergence of Terrestrial Dissolved Organic Matter Composition and the Role of Microbial Buffering in Aquatic Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 3125-3142	3.7	9
24	Widespread occurrence and spatial distribution of glyphosate, atrazine, and neonicotinoids pesticides in the St. Lawrence and tributary rivers. <i>Environmental Pollution</i> , 2019 , 250, 29-39	9.3	77
23	Flux and Seasonality of Dissolved Organic Matter From the Northern Dvina (Severnaya Dvina) River, Russia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 1041-1056	3.7	25
22	The Ephemeral Signature of Permafrost Carbon in an Arctic Fluvial Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 1475-1485	3.7	35
21	Unifying Concepts Linking Dissolved Organic Matter Composition to Persistence in Aquatic Ecosystems. <i>Environmental Science & Technology</i> , 2018 , 52, 2538-2548	10.3	105
20	Unraveling the size-dependent optical properties of dissolved organic matter. <i>Limnology and Oceanography</i> , 2018 , 63, 588-601	4.8	23
19	Drivers of Dissolved Organic Matter in the Vent and Major Conduits of the World's Largest Freshwater Spring. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 2775-2790	3.7	14
18	High abundances of the nuisance raphidophyte <i>Gonyostomum</i> semen in brown water lakes are associated with high concentrations of iron. <i>Scientific Reports</i> , 2018 , 8, 13463	4.9	13
17	An Assessment of Dissolved Organic Carbon Biodegradability and Priming in Blackwater Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 2998-3015	3.7	21
16	Preferential sequestration of terrestrial organic matter in boreal lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 863-874	3.7	31
15	Modeling Allochthonous Dissolved Organic Carbon Mineralization Under Variable Hydrologic Regimes in Boreal Lakes. <i>Ecosystems</i> , 2017 , 20, 781-795	3.9	43
14	Degradation potentials of dissolved organic carbon (DOC) from thawed permafrost peat. <i>Scientific Reports</i> , 2017 , 7, 45811	4.9	34

13	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. <i>Limnology and Oceanography</i> , 2017 , 62, 1682-1700	4.8	32
12	Temporal Dynamics in the Concentration, Flux, and Optical Properties of Tree-Derived Dissolved Organic Matter in an Epiphyte-Laden Oak-Cedar Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 2982-2997	3.7	22
11	Effects of compositional changes on reactivity continuum and decomposition kinetics of lake dissolved organic matter. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 1733-1746	3.7	29
10	Selective consumption and metabolic allocation of terrestrial and algal carbon determine allochthony in lake bacteria. <i>ISME Journal</i> , 2016 , 10, 1373-82	11.9	67
9	Influence of soil frost on the character and degradability of dissolved organic carbon in boreal forest soils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 829-840	3.7	15
8	DOM composition and transformation in boreal forest soils: The effects of temperature and organic-horizon decomposition state. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 2727-2744	3.7	51
7	Differentiating the degradation dynamics of algal and terrestrial carbon within complex natural dissolved organic carbon in temperate lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 963-973	3.7	96
6	Increases in terrestrially derived carbon stimulate organic carbon processing and CO ₂ emissions in boreal aquatic ecosystems. <i>Nature Communications</i> , 2013 , 4, 2972	17.4	174
5	Simultaneous consumption and production of fluorescent dissolved organic matter by lake bacterioplankton. <i>Environmental Microbiology</i> , 2012 , 14, 1432-43	5.2	87
4	Reconstructing the various facets of dissolved organic carbon bioavailability in freshwater ecosystems. <i>Limnology and Oceanography</i> , 2011 , 56, 734-748	4.8	128
3	Seasonal variations of phage life strategies and bacterial physiological states in three northern temperate lakes. <i>Environmental Microbiology</i> , 2010 , 12, 628-41	5.2	46
2	A system to quantitatively recover bacterioplankton respiratory CO ₂ for isotopic analysis to trace sources and ages of organic matter consumed in freshwaters. <i>Limnology and Oceanography: Methods</i> , 2006 , 4, 406-415	2.6	12
1	Differential alteration of plant functions by homologous fungal candidate effectors		2