

Jean François Lapierre

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,522
citations

218592

26
h-index

197736

49
g-index

52
all docs

52
docs citations

52
times ranked

3351
citing authors

#	ARTICLE	IF	CITATIONS
1	Whatâ€™s in an EEM? Molecular Signatures Associated with Dissolved Organic Fluorescence in Boreal Canada. <i>Environmental Science & Technology</i> , 2014, 48, 10598-10606.	4.6	292
2	Increases in terrestrially derived carbon stimulate organic carbon processing and CO ₂ emissions in boreal aquatic ecosystems. <i>Nature Communications</i> , 2013, 4, 2972.	5.8	241
3	The influence of dissolved organic carbon on primary production in northern lakes. <i>Limnology and Oceanography</i> , 2015, 60, 1276-1285.	1.6	209
4	Magnitude and regulation of bacterioplankton respiratory quotient across freshwater environmental gradients. <i>ISME Journal</i> , 2012, 6, 984-993.	4.4	149
5	Partial coupling and differential regulation of biologically and photochemically labile dissolved organic carbon across boreal aquatic networks. <i>Biogeosciences</i> , 2014, 11, 5969-5985.	1.3	133
6	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. <i>GigaScience</i> , 2017, 6, 1-22.	3.3	102
7	Building a multi-scaled geospatial temporal ecology database from disparate data sources: fostering open science and data reuse. <i>GigaScience</i> , 2015, 4, 28.	3.3	92
8	Regional contribution of CO ₂ and CH ₄ fluxes from the fluvial network in a lowland boreal landscape of Quâ€™bec. <i>Global Biogeochemical Cycles</i> , 2014, 28, 57-69.	1.9	90
9	Geographical and environmental drivers of regional differences in the lake <i>p</i> CO ₂ versus DOC relationship across northern landscapes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	86
10	The quality of organic matter shapes the functional biogeography of bacterioplankton across boreal freshwater ecosystems. <i>Global Ecology and Biogeography</i> , 2015, 24, 1487-1498.	2.7	86
11	Hot tops, cold bottoms: Synergistic climate warming and shielding effects increase carbon burial in lakes. <i>Limnology and Oceanography Letters</i> , 2019, 4, 132-144.	1.6	82
12	Effects of macrophytes and terrestrial inputs on fluorescent dissolved organic matter in a large river system. <i>Aquatic Sciences</i> , 2009, 71, 15-24.	0.6	68
13	Trade-offs between light and nutrient availability across gradients of dissolved organic carbon concentration in Swedish lakes: implications for patterns in primary production. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 1663-1671.	0.7	56
14	The freshwater landscape: lake, wetland, and stream abundance and connectivity at macroscales. <i>Ecosphere</i> , 2017, 8, e01911.	1.0	52
15	Paired O ₂ â€™CO ₂ measurements provide emergent insights into aquatic ecosystem function. <i>Limnology and Oceanography Letters</i> , 2020, 5, 287-294.	1.6	51
16	Seasonality of photochemical dissolved organic carbon mineralization and its relative contribution to pelagic CO ₂ production in northern lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 864-878.	1.3	50
17	Global Metaâ€™Analysis on the Relationship Between Mercury and Dissolved Organic Carbon in Freshwater Environments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1508-1523.	1.3	50
18	Degradation potentials of dissolved organic carbon (DOC) from thawed permafrost peat. <i>Scientific Reports</i> , 2017, 7, 45811.	1.6	47

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19	Climate and landscape influence on indicators of lake carbon cycling through spatial patterns in dissolved organic carbon. <i>Global Change Biology</i> , 2015, 21, 4425-4435.	4.2	46
20	Lake nutrient stoichiometry is less predictable than nutrient concentrations at regional and sub-continental scales. <i>Ecological Applications</i> , 2017, 27, 1529-1540.	1.8	45
21	Biodegradability of Vegetation-Derived Dissolved Organic Carbon in a Cool Temperate Ombrotrophic Bog. <i>Ecosystems</i> , 2016, 19, 1023-1036.	1.6	40
22	Spatial and temporal variation of ecosystem properties at macroscales. <i>Ecology Letters</i> , 2019, 22, 1587-1598.	3.0	34
23	PRESENCE OF ALGAE IN FRESHWATER ICE COVER OF FLUVIAL LAC SAINT-PIERRE (ST. LAWRENCE RIVER,) Tj ETQq1.1 0.784314 rgBT /	1.0	32
24	Winter Precipitation and Summer Temperature Predict Lake Water Quality at Macroscales. <i>Water Resources Research</i> , 2019, 55, 2708-2721.	1.7	32
25	Regional-scale variation of dissolved organic carbon concentrations in Swedish lakes. <i>Limnology and Oceanography</i> , 2014, 59, 1612-1620.	1.6	28
26	A geography of lake carbon cycling. <i>Limnology and Oceanography Letters</i> , 2018, 3, 49-56.	1.6	28
27	Do lakes feel the burn? Ecological consequences of increasing exposure of lakes to fire in the continental United States. <i>Global Change Biology</i> , 2019, 25, 2841-2854.	4.2	28
28	Continental-scale variation in controls of summer CO ₂ in United States lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 875-885.	1.3	26
29	Similarity in spatial structure constrains ecosystem relationships: Building a macroscale understanding of lakes. <i>Global Ecology and Biogeography</i> , 2018, 27, 1251-1263.	2.7	26
30	Colorful Niches of Phytoplankton Shaped by the Spatial Connectivity in a Large River Ecosystem: A Riverscape Perspective. <i>PLoS ONE</i> , 2012, 7, e35891.	1.1	25
31	Controls on Dissolved Organic Carbon Bioreactivity in River Systems. <i>Scientific Reports</i> , 2019, 9, 14897.	1.6	22
32	Unified understanding of intrinsic and extrinsic controls of dissolved organic carbon reactivity in aquatic ecosystems. <i>Ecology</i> , 2022, 103, .	1.5	18
33	Creating multithemed ecological regions for macroscale ecology: Testing a flexible, repeatable, and accessible clustering method. <i>Ecology and Evolution</i> , 2017, 7, 3046-3058.	0.8	17
34	Photo-reactivity of dissolved organic carbon in the freshwater continuum. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	14
35	Advection of freshwater phytoplankton in the St. Lawrence River estuarine turbidity maximum as revealed by sulfur-stable isotopes. <i>Marine Ecology - Progress Series</i> , 2008, 372, 19-29.	0.9	13
36	Seston fatty acid composition and copepod RNA:DNA ratio with respect to the underwater light climate in fluvial Lac Saint-Pierre. <i>Aquatic Sciences</i> , 2012, 74, 539-553.	0.6	11

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37	Mobilization and Transformation of Mercury Across a Dammed Boreal River Are Linked to Carbon Processing and Hydrology. <i>Water Resources Research</i> , 2020, 56, e2020WR027951.	1.7	11
38	Contrasting Patterns of Labile and Semilabile Dissolved Organic Carbon From Continental Waters to the Open Ocean. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005300.	1.3	11
39	Biogeochemical Distinctiveness of Peatland Ponds, Thermokarst Waterbodies, and Lakes. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	11
40	How Are Greenhouse Gases Coupled Across Seasons in a Large Temperate River with Differential Land Use?. <i>Ecosystems</i> , 2021, 24, 2007-2027.	1.6	10
41	Increasing accuracy of lake nutrient predictions in thousands of lakes by leveraging water clarity data. <i>Limnology and Oceanography Letters</i> , 2020, 5, 228-235.	1.6	8
42	Inconsistent browning of northeastern U.S. lakes despite increased precipitation and recovery from acidification. <i>Ecosphere</i> , 2021, 12, e03415.	1.0	8
43	Different forms of carbon, nitrogen, and phosphorus influence ecosystem stoichiometry in a north temperate river across seasons and land uses. <i>Limnology and Oceanography</i> , 2021, 66, 4285-4298.	1.6	8
44	Ecological prediction at macroscales using big data: Does sampling design matter?. <i>Ecological Applications</i> , 2020, 30, e02123.	1.8	7
45	Relative influence of watershed and geomorphic features on nutrient and carbon fluxes in a pristine and moderately urbanized stream. <i>Science of the Total Environment</i> , 2020, 715, 136411.	3.9	7
46	High-resolution broad-scale mapping of soil parent material using object-based image analysis (OBIA) of LiDAR elevation data. <i>Catena</i> , 2020, 188, 104422.	2.2	7
47	Is limnology becoming increasingly abiotic, riverine, and global?. <i>Limnology and Oceanography Letters</i> , 2020, 5, 204-211.	1.6	4
48	Biological and photochemical reactivity of dissolved organic matter in a large temperate river. <i>Limnology and Oceanography</i> , 2022, 67, 1388-1401.	1.6	4
49	Concentrations and Yields of Total Hg and MeHg in Large Boreal Rivers Linked to Water and Wetland Coverage in the Watersheds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 0, , .	1.3	4
50	Evaluating Trophic Status as a Proxy of Aquatic Ecosystem Service Provisioning on the Basis of Guidelines. <i>BioScience</i> , 2020, 70, 1120-1126.	2.2	1