Jean FranÃ§ois Lapierre

List of Publications by Year
in descending order

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	Biological and photochemical reactivity of dissolved organic matter in a large temperate river. Limnology and Oceanography, 2022, 67, 1388-1401.	1.6	4
2	Unified understanding of intrinsic and extrinsic controls of dissolved organic carbon reactivity in aquatic ecosystems. Ecology, 2022, 103, .	1.5	18
3	Biogeochemical Distinctiveness of Peatland Ponds, Thermokarst Waterbodies, and Lakes. Geophysical Research Letters, 2022, 49, .	1.5	11
4	Inconsistent browning of northeastern U.S. lakes despite increased precipitation and recovery from acidification. Ecosphere, 2021, 12, e03415.	1.0	8
5	How Are Greenhouse Gases Coupled Across Seasons in a Large Temperate River with Differential Land Use?. Ecosystems, 2021, 24, 2007-2027.	1.6	10
6	Different forms of carbon, nitrogen, and phosphorus influence ecosystem stoichiometry in a north temperate river across seasons and land uses. Limnology and Oceanography, 2021, 66, 4285-4298.	1.6	8
7	Evaluating Trophic Status as a Proxy of Aquatic Ecosystem Service Provisioning on the Basis of Guidelines. BioScience, 2020, 70, 1120-1126.	2.2	1
8	Mobilization and Transformation of Mercury Across a Dammed Boreal River Are Linked to Carbon Processing and Hydrology. Water Resources Research, 2020, 56, e2020WR027951.	1.7	11
9	Ecological prediction at macroscales using big data: Does sampling design matter?. Ecological Applications, 2020, 30, e02123.	1.8	7
10	Relative influence of watershed and geomorphic features on nutrient and carbon fluxes in a pristine and moderately urbanized stream. Science of the Total Environment, 2020, 715, 136411.	3.9	7
11	Is limnology becoming increasingly abiotic, riverine, and global?. Limnology and Oceanography Letters, 2020, 5, 204-211.	1.6	4
12	Increasing accuracy of lake nutrient predictions in thousands of lakes by leveraging water clarity data. Limnology and Oceanography Letters, 2020, 5, 228-235.	1.6	8
13	Paired O₂â€“CO₂ measurements provide emergent insights into aquatic ecosystem function. Limnology and Oceanography Letters, 2020, 5, 287-294.	1.6	51
14	High-resolution broad-scale mapping of soil parent material using object-based image analysis (OBIA) of LiDAR elevation data. Catena, 2020, 188, 104422.	2.2	7
15	Contrasting Patterns of Labile and Semilabile Dissolved Organic Carbon From Continental Waters to the Open Ocean. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005300.	1.3	11
16	Do lakes feel the burn? Ecological consequences of increasing exposure of lakes to fire in the continental United States. Global Change Biology, 2019, 25, 2841-2854.	4.2	28
17	Spatial and temporal variation of ecosystem properties at macroscales. Ecology Letters, 2019, 22, 1587-1598.	3.0	34
18	Photo-reactivity of dissolved organic carbon in the freshwater continuum. Aquatic Sciences, 2019, 81, 1.	0.6	14

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19	Controls on Dissolved Organic Carbon Bioreactivity in River Systems. Scientific Reports, 2019, 9, 14897.	1.6	22
20	Hot tops, cold bottoms: Synergistic climate warming and shielding effects increase carbon burial in lakes. Limnology and Oceanography Letters, 2019, 4, 132-144.	1.6	82
21	Global Metaâ€Analysis on the Relationship Between Mercury and Dissolved Organic Carbon in Freshwater Environments. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1508-1523.	1.3	50
22	Winter Precipitation and Summer Temperature Predict Lake Water Quality at Macroscales. Water Resources Research, 2019, 55, 2708-2721.	1.7	32
23	A geography of lake carbon cycling. Limnology and Oceanography Letters, 2018, 3, 49-56.	1.6	28
24	Similarity in spatial structure constrains ecosystem relationships: Building a macroscale understanding of lakes. Global Ecology and Biogeography, 2018, 27, 1251-1263.	2.7	26
25	Degradation potentials of dissolved organic carbon (DOC) from thawed permafrost peat. Scientific Reports, 2017, 7, 45811.	1.6	47
26	Creating multithemed ecological regions for macroscale ecology: Testing a flexible, repeatable, and accessible clusteringÂmethod. Ecology and Evolution, 2017, 7, 3046-3058.	0.8	17
27	Lake nutrient stoichiometry is less predictable than nutrient concentrations at regional and subâ€continental scales. Ecological Applications, 2017, 27, 1529-1540.	1.8	45
28	Continentalâ€scale variation in controls of summer CO₂ in United States lakes. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 875-885.	1.3	26
29	The freshwater landscape: lake, wetland, and stream abundance and connectivity at macroscales. Ecosphere, 2017, 8, e01911.	1.0	52
30	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. GigaScience, 2017, 6, 1-22.	3.3	102
31	Biodegradability of Vegetation-Derived Dissolved Organic Carbon in a Cool Temperate Ombrotrophic Bog. Ecosystems, 2016, 19, 1023-1036.	1.6	40
32	Seasonality of photochemical dissolved organic carbon mineralization and its relative contribution to pelagic CO₂ production in northern lakes. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 864-878.	1.3	50
33	Climate and landscape influence on indicators of lake carbon cycling through spatial patterns in dissolved organic carbon. Global Change Biology, 2015, 21, 4425-4435.	4.2	46
34	Building a multi-scaled geospatial temporal ecology database from disparate data sources: fostering open science and data reuse. GigaScience, 2015, 4, 28.	3.3	92
35	The influence of dissolved organic carbon on primary production in northern lakes. Limnology and Oceanography, 2015, 60, 1276-1285.	1.6	209
36	The quality of organic matter shapes the functional biogeography of bacterioplankton across boreal freshwater ecosystems. Global Ecology and Biogeography, 2015, 24, 1487-1498.	2.7	86

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37	Trade-offs between light and nutrient availability across gradients of dissolved organic carbon concentration in Swedish lakes: implications for patterns in primary production. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1663-1671.	0.7	56
38	Partial coupling and differential regulation of biologically and photochemically labile dissolved organic carbon across boreal aquatic networks. Biogeosciences, 2014, 11, 5969-5985.	1.3	133
39	Whatâ€™s in an EEM? Molecular Signatures Associated with Dissolved Organic Fluorescence in Boreal Canada. Environmental Science & Technology, 2014, 48, 10598-10606.	4.6	292
40	Regional contribution of CO₂ and CH₄ fluxes from the fluvial network in a lowland boreal landscape of QuÃ©bec. Global Biogeochemical Cycles, 2014, 28, 57-69.	1.9	90
41	Regionalâ€scale variation of dissolved organic carbon concentrations in Swedish lakes. Limnology and Oceanography, 2014, 59, 1612-1620.	1.6	28
42	Increases in terrestrially derived carbon stimulate organic carbon processing and CO2 emissions in boreal aquatic ecosystems. Nature Communications, 2013, 4, 2972.	5.8	241
43	Magnitude and regulation of bacterioplankton respiratory quotient across freshwater environmental gradients. ISME Journal, 2012, 6, 984-993.	4.4	149
44	Geographical and environmental drivers of regional differences in the lake pCO₂ versus DOC relationship across northern landscapes. Journal of Geophysical Research, 2012, 117, .	3.3	86
45	Seston fatty acid composition and copepod RNA:DNA ratio with respect to the underwater light climate in fluvial Lac Saint-Pierre. Aquatic Sciences, 2012, 74, 539-553.	0.6	11
46	Colorful Niches of Phytoplankton Shaped by the Spatial Connectivity in a Large River Ecosystem: A Riverscape Perspective. PLoS ONE, 2012, 7, e35891.	1.1	25
47	Effects of macrophytes and terrestrial inputs on fluorescent dissolved organic matter in a large river system. Aquatic Sciences, 2009, 71, 15-24.	0.6	68
48	PRESENCE OF ALGAE IN FRESHWATER ICE COVER OF FLUVIAL LAC SAINTâ€PIERRE (ST. LAWRENCE RIVER,) Tj ETQq0 0 0 rgBT /Overlock	1.0	32
49	Advection of freshwater phytoplankton in the St. Lawrence River estuarine turbidity maximum as revealed by sulfur-stable isotopes. Marine Ecology - Progress Series, 2008, 372, 19-29.	0.9	13
50	Concentrations and Yields of Total Hg and MeHg in Large Boreal Rivers Linked to Water and Wetland Coverage in the Watersheds. Journal of Geophysical Research G: Biogeosciences, 0, , .	1.3	4