

Plumbing the Global Carbon Cycle: Integrating Inland Wetland Budget

Ecosystems

10, 172-185

DOI: [10.1007/s10021-006-9013-8](https://doi.org/10.1007/s10021-006-9013-8)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Source- and substrate-specific export of dissolved organic matter from permafrost-dominated forested watershed in central Siberia. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	42
2	An empirical study of climatic controls on riverine C export from three major U.S. watersheds. <i>Global Biogeochemical Cycles</i> , 2007, 21, n/a-n/a.	1.9	68
3	Carbon and oxygen dynamics of shallow aquatic systems: Process vectors and bacterial productivity. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	18
4	Storm pulses of dissolved CO ₂ in a forested headwater Amazonian stream explored using hydrograph separation. <i>Water Resources Research</i> , 2007, 43, .	1.7	39
5	Dissolved Organic Carbon in Alaskan Boreal Forest: Sources, Chemical Characteristics, and Biodegradability. <i>Ecosystems</i> , 2007, 10, 1323-1340.	1.6	293
6	Influence of net ecosystem metabolism in transferring riverine organic carbon to atmospheric CO ₂ in a tropical coastal lagoon (Chilka Lake, India). <i>Biogeochemistry</i> , 2008, 87, 265-285.	1.7	120
7	Greenhouse gas fluxes from the eutrophic Temmesjoki River and its Estuary in the Liminganlahti Bay (the Baltic Sea). <i>Biogeochemistry</i> , 2008, 90, 193-208.	1.7	76
8	Controls of organic and inorganic carbon in randomly selected Boreal lakes in varied catchments. <i>Biogeochemistry</i> , 2008, 91, 151-162.	1.7	39
9	Airborne carbon deposition on a remote forested lake. <i>Aquatic Sciences</i> , 2008, 70, 213-224.	0.6	24
10	Links between Terrestrial Primary Production and Bacterial Production and Respiration in Lakes in a Climate Gradient in Subarctic Sweden. <i>Ecosystems</i> , 2008, 11, 367-376.	1.6	87
11	Sedimentation in Boreal Lakes—The Role of Flocculation of Allochthonous Dissolved Organic Matter in the Water Column. <i>Ecosystems</i> , 2008, 11, 803-814.	1.6	174
12	Harvest of the century. <i>Nature</i> , 2008, 451, 405-406.	13.7	8
13	Terrestrial export of highly bioavailable carbon from small boreal catchments in spring floods. <i>Freshwater Biology</i> , 2008, 53, 964-972.	1.2	74
14	Temperature dependence of stream benthic respiration in an Alpine river network under global warming. <i>Freshwater Biology</i> , 2008, 53, 2076-2088.	1.2	111
15	Biophysical controls on organic carbon fluxes in fluvial networks. <i>Nature Geoscience</i> , 2008, 1, 95-100.	5.4	1,102
16	Not drowning but photosynthesizing: probing plant plastrons. <i>New Phytologist</i> , 2008, 177, 841-845.	3.5	14
17	High rates of net primary production and turnover of floating grasses on the Amazon floodplain: implications for aquatic respiration and regional CO ₂ flux. <i>Global Change Biology</i> , 2008, 14, 369-381.	4.2	49
18	Spatial heterogeneity of the spring flood acid pulse in a boreal stream network. <i>Science of the Total Environment</i> , 2008, 407, 708-722.	3.9	48

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19	Dissolved Organic Matter in the Great Lakes: Role and Nature of Allochthonous Material. <i>Journal of Great Lakes Research</i> , 2008, 34, 383-394.	0.8	23
20	Carbon and oxygen fluxes from a small pond to the atmosphere: Temporal variability and the CO ₂ /O ₂ imbalance. <i>Water Resources Research</i> , 2008, 44, .	1.7	37
21	Global N removal by freshwater aquatic systems using a spatially distributed, within-basin approach. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	152
22	Release of biodegradable dissolved organic matter from ancient sedimentary rocks. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	35
23	CO ₂ emissions from saline lakes: A global estimate of a surprisingly large flux. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	137
24	Modeling the dissolved organic carbon output from a boreal mire using the convection-dispersion equation: Importance of representing sorption. <i>Water Resources Research</i> , 2008, 44, .	1.7	43
25	Stream acidification and base cation losses with grassland afforestation. <i>Water Resources Research</i> , 2008, 44, .	1.7	41
26	Anaerobic decomposition of tropical soils and plant material: Implication for the CO ₂ and CH ₄ budget of the Petit Saut Reservoir. <i>Applied Geochemistry</i> , 2008, 23, 2272-2283.	1.4	56
27	Carbon biogeochemistry of the Betsiboka estuary (north-western Madagascar). <i>Organic Geochemistry</i> , 2008, 39, 1649-1658.	0.9	57
28	Export of nitrogen from catchments: A worldwide analysis. <i>Environmental Pollution</i> , 2008, 156, 261-269.	3.7	111
29	CO ₂ efflux from Amazonian headwater streams represents a significant fate for deep soil respiration. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	198
30	Lakes and streams as sentinels of environmental change in terrestrial and atmospheric processes. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 247-254.	1.9	348
31	Gas transfer rate and CO ₂ flux between an unproductive lake and the atmosphere in northern Sweden. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	77
32	Direct measurement of the d ¹³ C signature of carbon respired by bacteria in lakes: Linkages to potential carbon sources, ecosystem baseline metabolism, and CO ₂ fluxes. <i>Limnology and Oceanography</i> , 2008, 53, 1204-1216.	1.6	99
33	An empirical evaluation of the nutrient-color paradigm for lakes. <i>Limnology and Oceanography</i> , 2008, 53, 1137-1148.	1.6	77
34	Relative independence of organic carbon transport and processing in a large temperate river: The Hudson River as both pipe and reactor. <i>Limnology and Oceanography</i> , 2008, 53, 185-197.	1.6	95
35	Linking allochthonous dissolved organic matter and boreal lake sediment carbon sequestration: The role of light-mediated flocculation. <i>Limnology and Oceanography</i> , 2008, 53, 2416-2426.	1.6	114
36	Distribution, origin and cycling of carbon in the Tana River (Kenya): a dry season basin-scale survey from headwaters to the delta. <i>Biogeosciences</i> , 2009, 6, 2475-2493.	1.3	80

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37	Methane dynamics in different boreal lake types. <i>Biogeosciences</i> , 2009, 6, 209-223.	1.3	181
38	The significance of organic carbon and nutrient export from peatland-dominated landscapes subject to disturbance, a stoichiometric perspective. <i>Biogeosciences</i> , 2009, 6, 363-374.	1.3	26
39	Long-term changes in climate, streamflow, and nutrient budgets for first-order catchments at the Experimental Lakes Area (Ontario, Canada) This paper is part of the series "Forty Years of Aquatic Research at the Experimental Lakes Area". <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1848-1863.	0.7	41
40	Lakes as sentinels and integrators for the effects of climate change on watersheds, airsheds, and landscapes. <i>Limnology and Oceanography</i> , 2009, 54, 2349-2358.	1.6	239
41	Large-river delta-front estuaries as natural "recorders" of global environmental change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8085-8092.	3.3	474
42	Benthic biogeochemical cycling, nutrient stoichiometry, and carbon and nitrogen mass balances in a eutrophic freshwater bay. <i>Limnology and Oceanography</i> , 2009, 54, 692-712.	1.6	47
43	Climate and CO ₂ saturation in an alpine lake throughout the Holocene. <i>Limnology and Oceanography</i> , 2009, 54, 2542-2552.	1.6	26
44	Large CO ₂ disequilibria in tropical lakes. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	94
45	Decomposition of leaf litter from a native tree and an actinorhizal invasive across riparian habitats. <i>Ecological Applications</i> , 2009, 19, 1135-1146.	1.8	50
46	Changes in sediment and organic carbon accumulation in a highly-disturbed ecosystem: The Sacramento-San Joaquin River Delta (California, USA). <i>Marine Pollution Bulletin</i> , 2009, 59, 154-163.	2.3	38
47	Evaluating the effects of sample processing treatments on alkalinity measurements. <i>Journal of Hydrology</i> , 2009, 377, 455-464.	2.3	12
48	Seasonality of <i>ep</i> CO ₂ at different scales along an integrated river continuum within the Dee basin, NE Scotland. <i>Hydrological Processes</i> , 2009, 23, 2929-2942.	1.1	20
49	Direct and continuous measurement of dissolved carbon dioxide in freshwater aquatic systems" method and applications. <i>Ecohydrology</i> , 2010, 3, 68-78.	1.1	101
50	Changes in thermal and oxygen stratification pattern coupled to CO ₂ outgassing persistence in two oligotrophic shallow lakes of the Atlantic Tropical Forest, Southeast Brazil. <i>Limnology</i> , 2009, 10, 195-202.	0.8	19
51	Northern Delta Lakes as Summertime CO ₂ Absorbers Within the Arctic Landscape. <i>Ecosystems</i> , 2009, 12, 144-157.	1.6	65
52	CO ₂ Supersaturation and Net Heterotrophy in a Tropical Estuary (Cochin, India): Influence of Anthropogenic Effect. <i>Ecosystems</i> , 2009, 12, 1145-1157.	1.6	112
53	Carbon dioxide supersaturation in Florida lakes. <i>Hydrobiologia</i> , 2009, 627, 169-180.	1.0	60
54	The regional and global significance of nitrogen removal in lakes and reservoirs. <i>Biogeochemistry</i> , 2009, 93, 143-157.	1.7	326

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55	Contribution of transparent exopolymer particles to carbon sinking flux in an oligotrophic reservoir. <i>Biogeochemistry</i> , 2009, 96, 13-23.	1.7	34
56	Predicting the onset of thermal stratification in shallow inland waterbodies. <i>Aquatic Sciences</i> , 2009, 71, 65-79.	0.6	40
57	Influence of typhoons on annual CO ₂ flux from a subtropical, humic lake. <i>Global Change Biology</i> , 2009, 15, 243-254.	4.2	23
58	High microbial activity on glaciers: importance to the global carbon cycle. <i>Global Change Biology</i> , 2009, 15, 955-960.	4.2	280
59	Ecosystem responses to increased precipitation and permafrost decay in subarctic Sweden inferred from peat and lake sediments. <i>Global Change Biology</i> , 2009, 15, 1652-1663.	4.2	74
60	Potential effects of elevated atmospheric carbon dioxide on benthic autotrophs and consumers in stream ecosystems: a test using experimental stream mesocosms. <i>Global Change Biology</i> , 2009, 15, 2779-2790.	4.2	18
61	Holocene carbon burial by lakes in SW Greenland. <i>Global Change Biology</i> , 2009, 15, 2590-2598.	4.2	79
62	Ecoenzymatic stoichiometry of microbial organic nutrient acquisition in soil and sediment. <i>Nature</i> , 2009, 462, 795-798.	13.7	1,013
63	Effects of agricultural land use on the composition of fluvial dissolved organic matter. <i>Nature Geoscience</i> , 2009, 2, 37-41.	5.4	591
64	The boundless carbon cycle. <i>Nature Geoscience</i> , 2009, 2, 598-600.	5.4	1,223
65	Stronger winds over a large lake in response to weakening air-to-lake temperature gradient. <i>Nature Geoscience</i> , 2009, 2, 855-858.	5.4	121
66	Evidence for structuring of bacterial community composition by organic carbon source in temperate lakes. <i>Environmental Microbiology</i> , 2009, 11, 2463-2472.	1.8	123
67	Distribution of soil inorganic carbon storage and its changes due to agricultural land use activity in China. <i>Agriculture, Ecosystems and Environment</i> , 2009, 129, 413-421.	2.5	178
68	Greenhouse Gas Emissions from Boreal Reservoirs in Manitoba and Qu�bec, Canada, Measured with Automated Systems. <i>Environmental Science & Technology</i> , 2009, 43, 8908-8915.	4.6	46
69	The biogeochemical influences of NO ₃ ⁻ , dissolved O ₂ , and dissolved organic C on stream NO ₃ ⁻ uptake. <i>Journal of the North American Benthological Society</i> , 2009, 28, 894-907.	3.0	14
70	Biogeochemistry of particulate organic matter from lakes of different trophic levels in Switzerland. <i>Organic Geochemistry</i> , 2009, 40, 441-454.	0.9	31
71	A biogeochemical study of sediments from the eutrophic Lake Lugano and the oligotrophic Lake Brienz, Switzerland. <i>Organic Geochemistry</i> , 2009, 40, 1100-1114.	0.9	72
72	The <i>p</i> CO ₂ dynamics in lakes in the boreal region of northern Qu�bec, Canada. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	88

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73	Patterns in CO_2 in boreal streams and rivers of northern Quebec, Canada. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	152
74	Whole-lake estimates of carbon flux through algae and bacteria in benthic and pelagic habitats of clear-water lakes. <i>Ecology</i> , 2009, 90, 1923-1932.	1.5	110
75	<i>Limnology as a Discipline.</i> , 2009, , 6-13.		2
76	Sensitivity of the carbon cycle in the Arctic to climate change. <i>Ecological Monographs</i> , 2009, 79, 523-555.	2.4	814
77	Limnological properties of permafrost thaw ponds in northeastern Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1635-1648.	0.7	71
78	Influence of diel cycles of respiration, chlorophyll, and photosynthetic parameters on the summer metabolic balance of temperate lakes and rivers. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1048-1058.	0.7	17
79	Hydrologic support of carbon dioxide flux revealed by whole-lake carbon budgets. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	94
80	Bioavailability of terrestrial organic carbon to lake bacteria: The case of a degrading subarctic permafrost mire complex. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	67
81	Climate change and lakes: Estimating sensitivities of water and carbon budgets. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	16
82	Changes in freshwater organic matter fluorescence intensity with freezing/thawing and dehydration/rehydration. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	23
83	Chemical and isotopic signature of old groundwater and magmatic solutes in a Costa Rican rain forest: Evidence from carbon, helium, and chlorine. <i>Water Resources Research</i> , 2009, 45, .	1.7	44
84	Linking forest fires to lake metabolism and carbon dioxide emissions in the boreal region of Northern Québec. <i>Global Change Biology</i> , 2009, 15, 2861-2873.	4.2	54
85	Suspended sediment and carbonate transport in the Yukon River Basin, Alaska: Fluxes and potential future responses to climate change. <i>Water Resources Research</i> , 2009, 45, .	1.7	44
86	Lakes and reservoirs as regulators of carbon cycling and climate. <i>Limnology and Oceanography</i> , 2009, 54, 2298-2314.	1.6	1,977
87	Nonlinear response of dissolved organic carbon concentrations in boreal lakes to increasing temperatures. <i>Limnology and Oceanography</i> , 2009, 54, 2513-2519.	1.6	123
88	Regulation of spatial and temporal variability of carbon flux in six hard-water lakes of the northern Great Plains. <i>Limnology and Oceanography</i> , 2009, 54, 2553-2564.	1.6	105
89	Microbially induced flocculation of allochthonous dissolved organic carbon in lakes. <i>Limnology and Oceanography</i> , 2009, 54, 1811-1818.	1.6	48
90	Organic carbon burial efficiency in lake sediments controlled by oxygen exposure time and sediment source. <i>Limnology and Oceanography</i> , 2009, 54, 2243-2254.	1.6	323

#	ARTICLE	IF	CITATIONS
91	Lakes and reservoirs as sentinels, integrators, and regulators of climate change. <i>Limnology and Oceanography</i> , 2009, 54, 2273-2282.	1.6	589
92	Mineralization pathways in lake sediments with different oxygen and organic carbon supply. <i>Limnology and Oceanography</i> , 2009, 54, 428-438.	1.6	72
93	Floodplain ecosystem processes. <i>Geophysical Monograph Series</i> , 2009, , 525-541.	0.1	54
94	The role of rivers in the regional carbon balance. <i>Geophysical Monograph Series</i> , 2009, , 489-504.	0.1	24
95	The role of effective discharge in the ocean delivery of particulate organic carbon by small, mountainous river systems. <i>Limnology and Oceanography</i> , 2010, 55, 161-171.	1.6	89
96	Magnitudes and controls of organic and inorganic carbon flux through a chain of hard-water lakes on the northern Great Plains. <i>Limnology and Oceanography</i> , 2010, 55, 1551-1564.	1.6	61
97	Drivers of metabolism and net heterotrophy in contrasting lakes. <i>Limnology and Oceanography</i> , 2010, 55, 817-830.	1.6	46
98	Aquatic metabolism in the Everglades: Dominance of water column heterotrophy. <i>Limnology and Oceanography</i> , 2010, 55, 653-666.	1.6	28
99	Bacterial production in the Lower Mississippi River: importance of suspended sediment and phytoplankton biomass. <i>Hydrobiologia</i> , 2010, 637, 19-31.	1.0	31
100	Variation in transparent exopolymer particles in relation to biological and chemical factors in two contrasting lake districts. <i>Aquatic Sciences</i> , 2010, 72, 443-453.	0.6	26
101	Contrasting factors controlling microbial respiratory activity in the sediment of two adjacent Mediterranean wetlands. <i>Die Naturwissenschaften</i> , 2010, 97, 627-635.	0.6	8
102	Nutrient Constraints on Metabolism Affect the Temperature Regulation of Aquatic Bacterial Growth Efficiency. <i>Microbial Ecology</i> , 2010, 60, 894-902.	1.4	55
103	Watershed Effects on Chemical Properties of Sediment and Primary Consumption in Estuarine Tidal Flats: Importance of Watershed Size and Food Selectivity by Macrobenthos. <i>Ecosystems</i> , 2010, 13, 328-337.	1.6	24
104	Long-Term CO ₂ Variability in Two Shallow Tropical Lakes Experiencing Episodic Eutrophication and Acidification Events. <i>Ecosystems</i> , 2010, 13, 382-392.	1.6	34
105	Submarine Groundwater Discharge to the Coastal Environment of a Mediterranean Island (Majorca,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	53
106	Experimental warming increases CO ₂ saturation in a shallow prairie pond. <i>Aquatic Ecology</i> , 2010, 44, 749-759.	0.7	7
107	Linking calcification by exotic snails to stream inorganic carbon cycling. <i>Oecologia</i> , 2010, 163, 235-244.	0.9	14
108	Wetland development, permafrost history and nutrient cycling inferred from late Holocene peat and lake sediment records in subarctic Sweden. <i>Journal of Paleolimnology</i> , 2010, 44, 327-342.	0.8	69

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109	Event controlled DOC export from forested watersheds. <i>Biogeochemistry</i> , 2010, 100, 197-209.	1.7	376
110	Sources of CO ₂ evasion from two subtropical rivers in North America. <i>Biogeochemistry</i> , 2010, 100, 211-225.	1.7	39
111	Flow regime alteration effects on the organic C dynamics in semiarid stream ecosystems. <i>Hydrobiologia</i> , 2010, 657, 233-242.	1.0	11
112	Dynamics of a benthic microbial community in a riverine environment subject to hydrological fluctuations (Mulargia River, Italy). <i>Hydrobiologia</i> , 2010, 657, 37-51.	1.0	56
113	Temperature affects the response of heterotrophic bacteria and mixotrophic algae to enhanced concentrations of soil extract. <i>Hydrobiologia</i> , 2010, 649, 379-383.	1.0	3
114	Net pelagic heterotrophy in mesotrophic and oligotrophic basins of a large, temperate lake. <i>Hydrobiologia</i> , 2010, 652, 363-375.	1.0	5
115	Role of aquaculture pond sediments in sequestration of annual global carbon emissions. <i>Environmental Pollution</i> , 2010, 158, 2537-2540.	3.7	102
116	A new direction in effective accounting for the atmospheric CO ₂ budget: Considering the combined action of carbonate dissolution, the global water cycle and photosynthetic uptake of DIC by aquatic organisms. <i>Earth-Science Reviews</i> , 2010, 99, 162-172.	4.0	244
117	Resource subsidies across the land–freshwater interface and responses in recipient communities. <i>River Research and Applications</i> , 2010, 26, 55-66.	0.7	175
118	Climate change, nutrient pollution and the bargain of Dr Faustus. <i>Freshwater Biology</i> , 2010, 55, 175-187.	1.2	89
119	CO ₂ supersaturation along the aquatic conduit in Swedish watersheds as constrained by terrestrial respiration, aquatic respiration and weathering. <i>Global Change Biology</i> , 2010, 16, 1966-1978.	4.2	177
120	The effects of alterations in temperature and flow regime on organic carbon dynamics in Mediterranean river networks. <i>Global Change Biology</i> , 2010, 16, 2638-2650.	4.2	41
121	Temperature-controlled organic carbon mineralization in lake sediments. <i>Nature</i> , 2010, 466, 478-481.	13.7	460
122	The impact of agricultural soil erosion on biogeochemical cycling. <i>Nature Geoscience</i> , 2010, 3, 311-314.	5.4	686
123	Rainfall leads to increased CO_2 in Brazilian coastal lakes. <i>Biogeosciences</i> , 2010, 7, 1607-1614.	1.3	48
124	Regulation of stream water dissolved organic carbon (DOC) concentrations during snowmelt; the role of discharge, winter climate and memory effects. <i>Biogeosciences</i> , 2010, 7, 2901-2913.	1.3	78
125	Modeling global atmospheric CO ₂ with improved emission inventories and CO ₂ production from the oxidation of other carbon species. <i>Geoscientific Model Development</i> , 2010, 3, 689-716.	1.3	117
126	The relationship between subsurface hydrology and dissolved carbon fluxes for a sub-arctic catchment. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 941-950.	1.9	53

#	ARTICLE	IF	CITATIONS
128	The relationship between near-surface turbulence and gas transfer velocity in freshwater systems and its implications for floating chamber measurements of gas exchange. <i>Limnology and Oceanography</i> , 2010, 55, 1723-1732.	1.6	203
129	Variability in greenhouse gas emissions from permafrost thaw ponds. <i>Limnology and Oceanography</i> , 2010, 55, 115-133.	1.6	198
130	Direct and Terrestrial Vegetation-mediated Effects of Environmental Change on Aquatic Ecosystem Processes. <i>BioScience</i> , 2010, 60, 590-601.	2.2	29
131	Managing Soils and Ecosystems for Mitigating Anthropogenic Carbon Emissions and Advancing Global Food Security. <i>BioScience</i> , 2010, 60, 708-721.	2.2	384
132	Climate-driven changes in the ecological stoichiometry of aquatic ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 145-152.	1.9	201
133	Importance of CO ₂ evasion from small boreal streams. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	37
134	Importance of water temperature and thermal stratification dynamics for temporal variation of surface water CO ₂ in a boreal lake. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	47
135	Temporal and spatial variability of dissolved inorganic carbon in a boreal stream network: Concentrations and downstream fluxes. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	100
136	Controls of riverine CO ₂ over an annual cycle determined using direct, high temporal resolution CO ₂ measurements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	40
137	Dissolved CO ₂ in small catchment streams of eastern Amazonia: A minor pathway of terrestrial carbon loss. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	43
138	Quantification of surface water and groundwater flows to open and closed basin lakes in a headwaters watershed using a descriptive oxygen stable isotope model. <i>Water Resources Research</i> , 2010, 46, .	1.7	50
139	Dissolved organic carbon export and internal cycling in small, headwater lakes. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	20
140	Quantifying the relative importance of lake emissions in the carbon budget of a subarctic catchment. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	52
141	Carbon dioxide supersaturation in peatland waters and its contribution to atmospheric efflux from downstream boreal lakes. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	6
142	Terrestrial Carbon Disturbance from Mountaintop Mining Increases Lifecycle Emissions for Clean Coal. <i>Environmental Science & Technology</i> , 2010, 44, 2144-2149.	4.6	26
143	The role of science in Reducing Emissions from Deforestation and Forest Degradation (REDD). <i>Carbon Management</i> , 2010, 1, 253-259.	1.2	26
144	Buoyancy flux, turbulence, and the gas transfer coefficient in a stratified lake. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	183
145	Integrated transfers of terrigenous organic matter to lakes at their watershed level: A combined biomarker and GIS analysis. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6375-6386.	1.6	23

#	ARTICLE	IF	CITATIONS
146	Catchment-scale carbon redistribution and delivery by water erosion in an intensively cultivated area. <i>Geomorphology</i> , 2010, 124, 65-74.	1.1	106
147	Climate-dependent CO ₂ emissions from lakes. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	140
148	Monitoring long time trends in lake CDOM using Landsat image archive. , 2010, , .		2
149	New and regenerated primary production in a productive reservoir ecosystem. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 278-287.	0.7	12
150	Global change and remote sensing of CDOM in Arctic coastal waters. , 2010, , .		2
151	Lakes in a New Light: Indirect Effects of Ultraviolet Radiation. <i>Freshwater Reviews: A Journal of the Freshwater Biological Association</i> , 2011, 4, 115-134.	1.0	9
152	Riverine coupling of biogeochemical cycles between land, oceans, and atmosphere. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 53-60.	1.9	927
153	The role of terrestrially derived organic carbon in the coastal ocean: A changing paradigm and the priming effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19473-19481.	3.3	603
154	The <i>p</i> CO ₂ in boreal lakes: Organic carbon as a universal predictor?. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	61
155	Predicting organic carbon in lakes from climate drivers and catchment properties. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	35
156	Spatiotemporal variability of the gas transfer coefficient (<i>K</i> _{CO₂}) in boreal streams: Implications for large scale estimates of CO ₂ evasion. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	118
157	Variability of groundwater levels and total organic carbon in the riparian zone of a boreal catchment. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	42
158	CO ₂ emissions from a tropical hydroelectric reservoir (Balbina, Brazil). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	160
159	Sediment accumulation and carbon, nitrogen, and phosphorus deposition in the large tropical reservoir Lake Kariba (Zambia/Zimbabwe). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	61
160	Influence of subsurface drainage on quantity and quality of dissolved organic matter export from agricultural landscapes. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	51
161	Net heterotrophy and CO ₂ evasion from a productive calcareous reservoir: Adding complexity to the metabolism-CO ₂ evasion issue. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	24
162	Spatial and interannual variability of dissolved organic matter in the Kolyma River, East Siberia, observed using satellite imagery. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	78
163	Carbon pools and fluxes in a chain of five boreal lakes: A dry and wet year comparison. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	71

#	ARTICLE	IF	CITATIONS
164	Long-term direct CO ₂ flux measurements over a boreal lake: Five years of eddy covariance data. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	104
165	Shrinking lakes of the Arctic: Spatial relationships and trajectory of change. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	106
166	Chemoautotrophy in the ocean. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	117
167	Diffusive and ebullitive transport of methane and nitrous oxide from streams: Are bubble-mediated fluxes important?. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	86
168	Diffusive methane emissions to the atmosphere from Lake Kivu (Eastern Africa). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	65
169	Impact of a large tropical reservoir on riverine transport of sediment, carbon, and nutrients to downstream wetlands. <i>Water Resources Research</i> , 2011, 47, .	1.7	81
170	Carbon emission from hydroelectric reservoirs linked to reservoir age and latitude. <i>Nature Geoscience</i> , 2011, 4, 593-596.	5.4	600
171	Fluvial dynamics of dissolved and particulate organic carbon during periodic discharge events in a steep tropical rainforest catchment. <i>Limnology and Oceanography</i> , 2011, 56, 2282-2292.	1.6	53
172	State of the World's Freshwater Ecosystems: Physical, Chemical, and Biological Changes. <i>Annual Review of Environment and Resources</i> , 2011, 36, 75-99.	5.6	705
173	Significant efflux of carbon dioxide from streams and rivers in the United States. <i>Nature Geoscience</i> , 2011, 4, 839-842.	5.4	603
174	Carbon Inputs to Ecosystems. , 2011, , 123-156.		9
175	Carbon mineralization and pyrite oxidation in groundwater: Importance for silicate weathering in boreal forest soils and stream base-flow chemistry. <i>Applied Geochemistry</i> , 2011, 26, 319-325.	1.4	52
176	Atmospheric CO ₂ sink: Silicate weathering or carbonate weathering?. <i>Applied Geochemistry</i> , 2011, 26, S292-S294.	1.4	144
177	The importance of dissolved organic carbon fluxes for the carbon balance of a temperate Scots pine forest. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 270-278.	1.9	60
178	Carbon and oxygen dynamics in the Laurentian Great Lakes: Implications for the CO ₂ flux from terrestrial aquatic systems to the atmosphere. <i>Chemical Geology</i> , 2011, 281, 133-141.	1.4	27
179	Shallow freshwater ecosystems of the circumpolar Arctic. <i>Ecoscience</i> , 2011, 18, 204-222.	0.6	185
180	Effects of sugar cane monocultures on origin and characteristics of dissolved organic matter in the Manguaba lagoon in northeast Brazil. <i>Organic Geochemistry</i> , 2011, 42, 74-83.	0.9	10
181	Fatty acid and stable isotope (¹³ C, ¹⁵ N) signatures of particulate organic matter in the lower Amazon River: Seasonal contrasts and connectivity between floodplain lakes and the mainstem. <i>Organic Geochemistry</i> , 2011, 42, 1159-1168.	0.9	64

#	ARTICLE	IF	CITATIONS
182	Freshwater Methane Emissions Offset the Continental Carbon Sink. <i>Science</i> , 2011, 331, 50-50.	6.0	1,159
183	Bubbles trapped in arctic lake ice: Potential implications for methane emissions. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	54
184	Effect of permafrost thawing on organic carbon and trace element colloidal speciation in the thermokarst lakes of western Siberia. <i>Biogeosciences</i> , 2011, 8, 565-583.	1.3	103
185	Model for evaluating the environmental sustainability of energy projects. <i>Technological Forecasting and Social Change</i> , 2011, 78, 931-944.	6.2	22
186	Geospatial Modeling Method to Provide Estimates of POC Flux for Regional-Scale Watersheds. , 2011, , .		0
187	â€œGradual Entrainment Lake Inverterâ€•(GELI): A novel device for experimental lake mixing. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 14-28.	1.0	9
188	Contribution of non-carbonate anions to total alkalinity and overestimation of CO_2 in New England and New Brunswick rivers. <i>Biogeosciences</i> , 2011, 8, 3069-3076.	1.3	153
189	Hydropower. , 0, , 437-496.		68
190	Annual follow-up of gross diffusive carbon dioxide and methane emissions from a boreal reservoir and two nearby lakes in QuÃ©bec, Canada. <i>Biogeosciences</i> , 2011, 8, 41-53.	1.3	55
191	Global primary production of lakes: 19th Baldi Memorial Lecture. <i>Inland Waters</i> , 2011, 1, 1-28.	1.1	112
192	Carbon dioxide concentrations in eutrophic lakes: undersaturation implies atmospheric uptake. <i>Inland Waters</i> , 2011, 1, 125-132.	1.1	159
193	Dissolved inorganic carbon export from carbonate and silicate catchments estimated from carbonate chemistry and I^{13}C and DIC . <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2551-2560.	1.9	44
194	CO ₂ and CH ₄ diffusive and degassing fluxes from 2003 to 2009 at Eastmain 1 reservoir, QuÃ©bec, Canada. <i>Inland Waters</i> , 2011, 1, 113-123.	1.1	25
195	Consequences of More Intensive Forestry for the Sustainable Management of Forest Soils and Waters. <i>Forests</i> , 2011, 2, 243-260.	0.9	68
196	Eddy covariance flux measurements confirm extreme CH ₄ emissions from a Swiss hydropower reservoir and resolve their short-term variability. <i>Biogeosciences</i> , 2011, 8, 2815-2831.	1.3	69
197	Reconstructing the various facets of dissolved organic carbon bioavailability in freshwater ecosystems. <i>Limnology and Oceanography</i> , 2011, 56, 734-748.	1.6	157
198	Assessing the Effect of Sterilization on the Radiocarbon Signature of Freshwater Dissolved Organic Carbon. <i>Radiocarbon</i> , 2011, 53, 659-667.	0.8	3
199	Nutrient stoichiometry of linked catchment-lake systems along a gradient of land use. <i>Freshwater Biology</i> , 2011, 56, 791-811.	1.2	88

#	ARTICLE	IF	CITATIONS
200	Biogenic methane in freshwater food webs. <i>Freshwater Biology</i> , 2011, 56, 213-229.	1.2	153
201	Landscape controls on seston stoichiometry in urban stormwater management ponds. <i>Freshwater Biology</i> , 2011, 56, 519-529.	1.2	17
202	Climate change predicted to cause severe increase of organic carbon in lakes. <i>Global Change Biology</i> , 2011, 17, 1186-1192.	4.2	255
203	Dissolved carbon leaching from soil is a crucial component of the net ecosystem carbon balance. <i>Global Change Biology</i> , 2011, 17, 1167-1185.	4.2	374
204	Integrating aquatic and terrestrial components to construct a complete carbon budget for a north temperate lake district. <i>Global Change Biology</i> , 2011, 17, 1193-1211.	4.2	151
205	Temperature and the metabolic balance of streams. <i>Freshwater Biology</i> , 2011, 56, 1106-1121.	1.2	198
206	Chemical interferences when using high gradient magnetic separation for phosphate removal: Consequences for lake restoration. <i>Journal of Hazardous Materials</i> , 2011, 192, 995-1001.	6.5	31
207	Gross CO ₂ and CH ₄ emissions from the Nam Ngum and Nam Leuk sub-tropical reservoirs in Lao PDR. <i>Science of the Total Environment</i> , 2011, 409, 5382-5391.	3.9	65
208	Controls on greenhouse gas concentrations in polymictic headwater lakes in Ireland. <i>Science of the Total Environment</i> , 2011, 410-411, 217-225.	3.9	46
209	Spatio-temporal variability of the dissolved organic carbon and nitrogen in a coastal area affected by river input: The north eastern shelf of the Gulf of Cádiz (SW Iberian Peninsula). <i>Marine Chemistry</i> , 2011, 126, 295-308.	0.9	20
210	A Guide to the Natural History of Freshwater Lake Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2011, 75, 14-49.	2.9	1,356
211	Impact of land use change and rainfall on sediment and carbon accumulation in a water reservoir of North Thailand. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 521-533.	2.5	48
212	The specific inherent optical properties of three sub-tropical and tropical water reservoirs in Queensland, Australia. <i>Hydrobiologia</i> , 2011, 658, 233-252.	1.0	30
213	Reconstructed long-term time series of phytoplankton primary production of a large shallow temperate lake: the basis to assess the carbon balance and its climate sensitivity. <i>Hydrobiologia</i> , 2011, 667, 205-222.	1.0	24
214	A model for inferring dissolved organic carbon (DOC) in lakewater from visible-near-infrared spectroscopy (VNIRS) measures in lake sediment. <i>Journal of Paleolimnology</i> , 2011, 46, 187-202.	0.8	27
215	Controls on the origin and cycling of riverine dissolved inorganic carbon in the Brazos River, Texas. <i>Biogeochemistry</i> , 2011, 104, 275-291.	1.7	46
216	Dynamics of dissolved organic 14C in throughfall and soil solution of a Norway spruce forest. <i>Biogeochemistry</i> , 2011, 106, 461-473.	1.7	19
217	Gaseous and fluvial carbon export from an Amazon forest watershed. <i>Biogeochemistry</i> , 2011, 105, 133-147.	1.7	39

#	ARTICLE	IF	CITATIONS
218	Fluorescence index as an indicator of dissolved organic carbon quality in hydrologic flowpaths of forested tropical watersheds. <i>Biogeochemistry</i> , 2011, 105, 149-157.	1.7	50
219	Modelling the effect of directional spatial ecological processes at different scales. <i>Oecologia</i> , 2011, 166, 357-368.	0.9	114
220	Patterns and Dynamics of Dissolved Organic Carbon (DOC) in Boreal Streams: The Role of Processes, Connectivity, and Scaling. <i>Ecosystems</i> , 2011, 14, 880-893.	1.6	340
221	Effects of Watershed History on Dissolved Organic Matter Characteristics in Headwater Streams. <i>Ecosystems</i> , 2011, 14, 1110-1122.	1.6	173
222	The burial efficiency of organic carbon in the sediments of Lake Kinneret. <i>Aquatic Sciences</i> , 2011, 73, 355-364.	0.6	36
223	Changes in Tundra Pond Limnology: Re-sampling Alaskan Ponds After 40 Years. <i>Ambio</i> , 2011, 40, 589-599.	2.8	41
224	Riparian Zone Influence on Stream Water Dissolved Organic Carbon Concentrations at the Swedish Integrated Monitoring Sites. <i>Ambio</i> , 2011, 40, 920-930.	2.8	41
225	Evaluating the impact of soil redistribution on the <i>in situ</i> mineralization of soil organic carbon. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 427-438.	1.2	80
226	Seasonal controls on DOC dynamics in nested upland catchments in NE Scotland. <i>Hydrological Processes</i> , 2011, 25, 1647-1658.	1.1	48
227	Derivation of lake mixing and stratification indices from high-resolution lake buoy data. <i>Environmental Modelling and Software</i> , 2011, 26, 1325-1336.	1.9	347
228	Environmental impacts from the installation and operation of large-scale solar power plants. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3261-3270.	8.2	301
229	Decomposition and Ecosystem Carbon Budgets. , 2011, , 183-228.		18
230	The influence of carbon exchange of a large lake on regional tracer-transport inversions: results from Lake Superior. <i>Environmental Research Letters</i> , 2011, 6, 034016.	2.2	3
231	Nutrient Cycling. , 2011, , 259-296.		13
232	Within-lake and watershed determinants of carbon dioxide in surface water: A comparative analysis of a variety of lakes in the Japanese Islands. <i>Limnology and Oceanography</i> , 2011, 56, 49-60.	1.6	19
233	Does the Pareto distribution adequately describe the size distribution of lakes?. <i>Limnology and Oceanography</i> , 2011, 56, 350-356.	1.6	65
234	Riverine carbon dioxide release. <i>Nature Geoscience</i> , 2011, 4, 821-822.	5.4	18
235	Effects of Landscape Age on Soil Organic Matter Processing in Northern Alaska. <i>Soil Science Society of America Journal</i> , 2011, 75, 907-917.	1.2	22

#	ARTICLE	IF	CITATIONS
236	Dust inputs and bacteria influence dissolved organic matter in clear alpine lakes. <i>Nature Communications</i> , 2011, 2, 405.	5.8	154
237	Carbon Dioxide and Methane Dynamics in Estuaries. , 2011, , 119-161.		150
238	Comparison of regional stream and lake chemistry: Differences, similarities, and potential drivers. <i>Limnology and Oceanography</i> , 2011, 56, 1551-1562.	1.6	28
239	Sediment characteristics and accumulation rates in constructed ponds. <i>Journal of Soils and Water Conservation</i> , 2012, 67, 425-432.	0.8	18
240	Automated mapping of water bodies using Landsat multispectral data. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 1037-1050.	1.0	168
241	Environmental Controls on the Surface Energy Budget over a Large Southern Inland Water in the United States: An Analysis of One-Year Eddy Covariance Flux Data. <i>Journal of Hydrometeorology</i> , 2012, 13, 1893-1910.	0.7	64
242	Factors controlling waterâ€œcolumn respiration in rivers of the central and southwestern Amazon Basin. <i>Limnology and Oceanography</i> , 2012, 57, 527-540.	1.6	39
243	Evidence for the respiration of ancient terrestrial organic C in northern temperate lakes and streams. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16963-16968.	3.3	110
244	Riparian zone hydrology and soil water total organic carbon (TOC): implications for spatial variability and upscaling of lateral riparian TOC exports. <i>Biogeosciences</i> , 2012, 9, 3901-3916.	1.3	121
245	Subsidy or Subtraction: How Do Terrestrial Inputs Influence Consumer Production in Lakes?. <i>Freshwater Reviews: A Journal of the Freshwater Biological Association</i> , 2012, 5, 37.	1.0	75
246	Organized Oral Session 43. Novel Applications of High-Frequency Sensor Data in Aquatic Ecosystems: Discoveries from GLEON, the Global Lake Ecological Observatory Network. <i>Bulletin of the Ecological Society of America</i> , 2012, 93, 100-105.	0.2	2
247	Airâ€œwater oxygen exchange in a large whitewater river. <i>Limnology & Oceanography Fluids & Environments</i> , 2012, 2, 1-11.	1.7	37
248	Spatial heterogeneity strongly affects estimates of ecosystem metabolism in two north temperate lakes. <i>Limnology and Oceanography</i> , 2012, 57, 1689-1700.	1.6	77
249	Free-water lake metabolism: addressing noisy time series with a Kalman filter. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 20-30.	1.0	32
250	Seeing the light: The effects of particles, dissolved materials, and temperature on in situ measurements of DOM fluorescence in rivers and streams. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 767-775.	1.0	135
251	Scaling the gas transfer velocity and hydraulic geometry in streams and small rivers. <i>Limnology & Oceanography Fluids & Environments</i> , 2012, 2, 41-53.	1.7	444
252	Acidity controls on dissolved organic carbon mobility in organic soils. <i>Global Change Biology</i> , 2012, 18, 3317-3331.	4.2	221
253	Estimation of riverine carbon and organic matter source contributions using timeâ€œbased isotope mixing models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30

#	ARTICLE	IF	CITATIONS
254	The carbon cycle of Quebec boreal reservoirs investigated by elemental compositions and isotopic values. <i>Biogeochemistry</i> , 2012, 111, 555-568.	1.7	8
255	Challenges and solutions for assessing the impact of freshwater reservoirs on natural GHG emissions. <i>Ecohydrology and Hydrobiology</i> , 2012, 12, 115-122.	1.0	27
256	Conservation from the bottom up: forecasting effects of global change on dynamics of organic matter and management needs for river networks. <i>Freshwater Science</i> , 2012, 31, 51-68.	0.9	63
257	An expanded role for river networks. <i>Nature Geoscience</i> , 2012, 5, 678-679.	5.4	151
258	Pharmaceutical Compounds and Ecosystem Function: An Emerging Research Challenge for Aquatic Ecologists. <i>Ecosystems</i> , 2012, 15, 867-880.	1.6	168
259	Carbon Dioxide in Boreal Surface Waters: A Comparison of Lakes and Streams. <i>Ecosystems</i> , 2012, 15, 1295-1307.	1.6	61
260	Peatland geoengineering: an alternative approach to terrestrial carbon sequestration. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 4404-4421.	1.6	47
261	The possibility of using the Landsat image archive for monitoring long time trends in coloured dissolved organic matter concentration in lake waters. <i>Remote Sensing of Environment</i> , 2012, 123, 334-338.	4.6	128
262	Cogs in the endless machine: Lakes, climate change and nutrient cycles: A review. <i>Science of the Total Environment</i> , 2012, 434, 130-142.	3.9	129
263	The biogeochemical reactivity of suspended particulate matter at nested sites in the Dee basin, NE Scotland. <i>Science of the Total Environment</i> , 2012, 434, 159-170.	3.9	19
264	River bed carbon and nitrogen cycling: State of play and some new directions. <i>Science of the Total Environment</i> , 2012, 434, 143-158.	3.9	98
265	Selective loss and preservation of lake water dissolved organic matter fluorescence during long-term dark incubations. <i>Science of the Total Environment</i> , 2012, 433, 238-246.	3.9	164
266	The altered ecology of Lake Christina: A record of regime shifts, land-use change, and management from a temperate shallow lake. <i>Science of the Total Environment</i> , 2012, 433, 336-346.	3.9	20
267	36 year trends in dissolved organic carbon export from Finnish rivers to the Baltic Sea. <i>Science of the Total Environment</i> , 2012, 435-436, 188-201.	3.9	67
268	Sediment-magnetic evidence for last millennium drought conditions at the prairie forest ecotone of northern United States. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 337-338, 99-107.	1.0	13
269	Carbon export and fate in carbonate catchments: A case study in the karst plateau of southwestern China. <i>Applied Geochemistry</i> , 2012, 27, 64-72.	1.4	22
270	Carbon storage and greenhouse gases emission from a fluvial reservoir in an agricultural landscape. <i>Catena</i> , 2012, 94, 53-63.	2.2	57
271	Large-scale controls on potential respiration and denitrification in riverine floodplains. <i>Ecological Engineering</i> , 2012, 42, 73-84.	1.6	44

#	ARTICLE	IF	CITATIONS
272	Flow discharge influences on input and transport of particulate and sedimentary organic carbon along a small temperate river. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 317-334.	1.6	26
273	An initial investigation into the organic matter biogeochemistry of the Congo River. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 614-627.	1.6	108
274	Modelling CO ₂ degassing from small acidic rivers using water pCO ₂ , DIC and $\delta^{13}\text{C}$ -DIC data. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 91, 220-239.	1.6	69
275	Dissolved Organic Matter in Headwater Streams: Compositional Variability across Climatic Regions of North America. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 95-108.	1.6	116
276	Dissolved organic matter sources in large Arctic rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 217-237.	1.6	207
277	The Fate of Terrestrial Organic Carbon in the Marine Environment. <i>Annual Review of Marine Science</i> , 2012, 4, 401-423.	5.1	482
278	Consistent temperature dependence of respiration across ecosystems contrasting in thermal history. <i>Global Change Biology</i> , 2012, 18, 1300-1311.	4.2	97
279	CADICA: Continuous Automated Dissolved Inorganic Carbon Analyzer with application to aquatic carbon cycle science. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 10-19.	1.0	11
280	Research and Development Priorities Towards Recarbonization of the Biosphere. , 2012, , 533-544.		1
281	Net ecosystem production in clearâ€water and brownâ€water lakes. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	92
282	Benthic and pelagic sources of carbon dioxide in boreal lakes and a young reservoir (Eastmainâ€1) in eastern Canada. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	22
283	Radiocarbon and stableâ€isotope geochemistry of organic and inorganic carbon in Lake Superior. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	48
284	Longâ€term C accumulation and total C stocks in boreal lakes in northern QuÃ©bec. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	80
285	Extreme organic carbon burial fuels intense methane bubbling in a temperate reservoir. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	130
286	Linkages between denitrification and dissolved organic matter quality, Boulder Creek watershed, Colorado. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	57
287	Seasonal variability in the sources of particulate organic matter of the Mekong River as discerned by elemental and lignin analyses. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	45
288	Effects of permafrost and hydrology on the composition and transport of dissolved organic carbon in a subarctic peatland complex. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	125
289	Assessing the nonconservative fluvial fluxes of dissolved organic carbon in North America. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	57

#	ARTICLE	IF	CITATIONS
290	Effects of forestry operations on dissolved organic carbon concentrations and export in boreal first-order streams. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	107
291	A centennial record of fluvial organic matter input from the discontinuous permafrost catchment of Lake TornetrÅsk. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
292	Can spatial heterogeneity explain the perceived imbalance in Lake Superior's carbon budget? A model study. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
293	Dissolved organic carbon and chromophoric dissolved organic matter properties of rivers in the USA. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	323
294	Landscape-level controls on dissolved carbon flux from diverse catchments of the circumboreal. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	82
295	Carbon dioxide and methane emissions from the Yukon River system. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	199
296	Dissolved organic matter composition of winter flow in the Yukon River basin: Implications of permafrost thaw and increased groundwater discharge. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	78
297	Dissolved organic matter export from a forested watershed during Hurricane Irene. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	110
298	Cross-regional prediction of long-term trajectory of stream water DOC response to climate change. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	127
299	Geographical and environmental drivers of regional differences in the lake CO_2 versus DOC relationship across northern landscapes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	86
300	Assessing the influence of upstream drainage lakes on fluvial organic carbon in a wetland-rich region. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
301	Differential storm responses of dissolved and particulate organic carbon in a mountainous headwater stream, investigated by high-frequency, in situ optical measurements. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
302	Abundance and patterns of transparent exopolymer particles (TEP) in Arctic floodplain lakes of the Mackenzie River Delta. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
303	The effect of precipitation events on inorganic carbon in soil and shallow groundwater, Konza Prairie LTER Site, NE Kansas, USA. <i>Applied Geochemistry</i> , 2012, 27, 2356-2369.	1.4	34
304	Modeling global nutrient export from watersheds. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 195-202.	3.1	41
305	Fluvial carbon fluxes in tropical rivers. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 162-169.	3.1	128
306	Carbon sequestration in the bottom sediments of aquaculture ponds of Orissa, India. <i>Ecological Engineering</i> , 2012, 47, 198-202.	1.6	24
307	Erosion-induced CO_2 flux of small watersheds. <i>Global and Planetary Change</i> , 2012, 94-95, 101-110.	1.6	7

#	ARTICLE	IF	CITATIONS
308	Daily CO ₂ partial pressure and CO ₂ outgassing in the upper Yangtze River basin: A case study of the Longchuan River, China. <i>Journal of Hydrology</i> , 2012, 466-467, 141-150.	2.3	85
309	Ecoenzymatic Stoichiometry and Ecological Theory. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2012, 43, 313-343.	3.8	582
310	Bioavailable phosphorus in humic headwater streams in boreal Sweden. <i>Limnology and Oceanography</i> , 2012, 57, 1161-1170.	1.6	31
311	Carbon mineralization and oxygen dynamics in sediments with deep oxygen penetration, Lake Superior. <i>Limnology and Oceanography</i> , 2012, 57, 1634-1650.	1.6	57
312	Lake size dependency of wind shear and convection as controls on gas exchange. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	199
313	Production of Branched Tetraether Lipids in the Lower Pearl River and Estuary: Effects of Extraction Methods and Impact on bGDGT Proxies. <i>Frontiers in Microbiology</i> , 2011, 2, 274.	1.5	58
314	Challenges and Solutions for Hydrodynamic and Water Quality in Rivers in the Amazon Basin. , 0, , .		7
315	Distribution and origin of suspended matter and organic carbon pools in the Tana River Basin, Kenya. <i>Biogeosciences</i> , 2012, 9, 2905-2920.	1.3	61
316	Greenhouse Gas Emissions from Hydroelectric Reservoirs: What Knowledge Do We Have and What is Lacking?. , 2012, , .		12
317	Organic-Aggregate-Attached Bacteria in Aquatic Ecosystems: Abundance, Diversity, Community Dynamics and Function. , 2012, , .		1
318	Natural events of anoxia and low respiration index in oligotrophic lakes of the Atlantic Tropical Forest. <i>Biogeosciences</i> , 2012, 9, 2879-2887.	1.3	4
319	Organic matter sources, fluxes and greenhouse gas exchange in the Oubangui River (Congo River) Tj ETQq1 1 0.784314 rgBT/Overlook	1.3	88
320	Concentrations, Loads, and Yields of Organic Carbon in Streams of Agricultural Watersheds. <i>Journal of Environmental Quality</i> , 2012, 41, 1874-1883.	1.0	12
321	Contribution of dust inputs to dissolved organic carbon and water transparency in Mediterranean reservoirs. <i>Biogeosciences</i> , 2012, 9, 5049-5060.	1.3	19
322	Carbon export by rivers draining the conterminous United States. <i>Inland Waters</i> , 2012, 2, 177-184.	1.1	57
323	ISO-CADICA: Isotopic "continuous, automated dissolved inorganic carbon analyser. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 639-644.	0.7	25
324	Diagnosis of river basins as CO ₂ sources or sinks subject to sediment movement. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1398-1406.	1.2	5
325	Grasping the heterogeneity of kettle hole water quality in Northeast Germany. <i>Hydrobiologia</i> , 2012, 689, 63-77.	1.0	50

#	ARTICLE	IF	CITATIONS
326	High-frequency metabolism study in a large and shallow temperate lake reveals seasonal switching between net autotrophy and net heterotrophy. <i>Hydrobiologia</i> , 2012, 694, 57-74.	1.0	72
327	Uncertainties of carbon emission from hydroelectric reservoirs. <i>Natural Hazards</i> , 2012, 62, 1343-1345.	1.6	21
328	Seasonal Dynamics of CO ₂ Flux Across the Surface of Shallow Temperate Lakes. <i>Ecosystems</i> , 2012, 15, 336-347.	1.6	75
329	Groundwater: A pathway for terrestrial C and N losses and indirect greenhouse gas emissions. <i>Agriculture, Ecosystems and Environment</i> , 2012, 159, 40-48.	2.5	48
330	Contemporary changes in dissolved organic carbon (DOC) in human-dominated rivers: is there a role for DOC management?. <i>Freshwater Biology</i> , 2012, 57, 26-42.	1.2	223
331	Warming, eutrophication, and predator loss amplify subsidies between aquatic and terrestrial ecosystems. <i>Global Change Biology</i> , 2012, 18, 504-514.	4.2	138
332	Selective decay of terrestrial organic carbon during transport from land to sea. <i>Global Change Biology</i> , 2012, 18, 349-355.	4.2	120
333	Modeling the photo-oxidation of dissolved organic matter by ultraviolet radiation in freshwater lakes: Implications for mercury bioavailability. <i>Chemosphere</i> , 2012, 88, 1220-1226.	4.2	21
334	Intensified organic carbon dynamics in the ground water of a restored riparian zone. <i>Freshwater Biology</i> , 2012, 57, 1603-1616.	1.2	18
335	Carbon burial by shallow lakes on the Yangtze floodplain and its relevance to regional carbon sequestration. <i>Global Change Biology</i> , 2012, 18, 2205-2217.	4.2	128
336	Modelling the long term impact of climate change on the carbon budget of Lake Simcoe, Ontario using INCA-C. <i>Science of the Total Environment</i> , 2012, 414, 387-403.	3.9	25
337	Size relationships of water inflow into lakes: Empirical regressions suggest geometric scaling. <i>Journal of Hydrology</i> , 2012, 414-415, 482-490.	2.3	13
338	Carbon dioxide supersaturation promotes primary production in lakes. <i>Ecology Letters</i> , 2012, 15, 527-532.	3.0	81
339	Exposure of dissolved organic matter to UV-radiation increases bacterial growth efficiency in a clear-water Alpine stream and its adjacent groundwater. <i>Aquatic Sciences</i> , 2012, 74, 143-153.	0.6	25
340	The influence of soil frost on the quality of dissolved organic carbon in a boreal forest soil: combining field and laboratory experiments. <i>Biogeochemistry</i> , 2012, 107, 95-106.	1.7	33
341	A worldwide view of organic carbon export from catchments. <i>Biogeochemistry</i> , 2012, 107, 275-293.	1.7	109
342	Three-dimensional spatial patterns of trace gas concentrations in baseflow-dominated agricultural streams: implications for surface-ground water interactions and biogeochemistry. <i>Biogeochemistry</i> , 2012, 107, 319-338.	1.7	11
343	pH change induces shifts in the size and light absorption of dissolved organic matter. <i>Biogeochemistry</i> , 2012, 108, 109-118.	1.7	91

#	ARTICLE	IF	CITATIONS
344	Temporal variation in organic carbon spiraling in Midwestern agricultural streams. <i>Biogeochemistry</i> , 2012, 108, 149-169.	1.7	53
345	Diatom fluxes in a tropical, oligotrophic lake dominated by large-sized phytoplankton. <i>Hydrobiologia</i> , 2012, 679, 77-90.	1.0	26
346	Effects of food-web structure on the quantity and the elemental quality of sedimenting material in shallow lakes. <i>Hydrobiologia</i> , 2012, 679, 251-266.	1.0	11
347	Impacts of Eutrophication on Carbon Burial in Freshwater Lakes in an Intensively Agricultural Landscape. <i>Ecosystems</i> , 2012, 15, 60-70.	1.6	123
348	Synergistic control of CO ₂ emissions by fish and nutrients in a humic tropical lake. <i>Oecologia</i> , 2012, 168, 839-847.	0.9	15
349	Total waterborne carbon export and DOC composition from ten nested subarctic peatland catchments—importance of peatland cover, groundwater influence, and inter-annual variability of precipitation patterns. <i>Hydrological Processes</i> , 2013, 27, 2280-2294.	1.1	64
350	The Carbon Balance of Two Riverine Wetlands Fifteen Years After Their Creation. <i>Wetlands</i> , 2013, 33, 989-999.	0.7	18
351	The role of palaeolimnology in assessing eutrophication and its impact on lakes. <i>Journal of Paleolimnology</i> , 2013, 49, 391-410.	0.8	61
352	Concentrations of CO ₂ and CH ₄ in water columns of two stratified boreal lakes during a year of atypical summer precipitation. <i>Biogeochemistry</i> , 2013, 113, 613-627.	1.7	16
353	Biogeochemistry of organic carbon, CO ₂ , CH ₄ , and trace elements in thermokarst water bodies in discontinuous permafrost zones of Western Siberia. <i>Biogeochemistry</i> , 2013, 113, 573-593.	1.7	116
354	Long-term pCO ₂ dynamics in rivers in the Chesapeake Bay watershed. <i>Applied Geochemistry</i> , 2013, 31, 209-215.	1.4	27
355	Biogeochemical patterns in a river network along a land use gradient. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 9221-9236.	1.3	47
356	Radiocarbon dating of methane and carbon dioxide evaded from a temperate peatland stream. <i>Biogeochemistry</i> , 2013, 114, 213-223.	1.7	20
357	River-wetland interaction and carbon cycling in a semi-arid riverine system: the Okavango Delta, Botswana. <i>Biogeochemistry</i> , 2013, 114, 359-380.	1.7	25
358	Effect of temperature on submerged macrophyte litter decomposition within sediments from a large shallow and subtropical freshwater lake. <i>Hydrobiologia</i> , 2013, 714, 131-144.	1.0	47
359	Which are, what is their status and what can we expect from ecosystem services provided by Spanish rivers and riparian areas?. <i>Biodiversity and Conservation</i> , 2013, 22, 2469-2503.	1.2	39
360	Masses of carbon in the Earth's hydrosphere. <i>Geochemistry International</i> , 2013, 51, 431-455.	0.2	14
361	Water renewal along the aquatic continuum offsets cumulative retention by lakes: implications for the character of organic carbon in boreal lakes. <i>Aquatic Sciences</i> , 2013, 75, 535-545.	0.6	28

#	ARTICLE	IF	CITATIONS
362	Export and degassing of terrestrial carbon through watercourses draining a temperate podzolized catchment. <i>Aquatic Sciences</i> , 2013, 75, 299-319.	0.6	24
363	Methanogenic pathways, ¹³ C isotope fractionation, and archaeal community composition in lake sediments and wetland soils on the Tibetan Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 650-664.	1.3	23
364	Gross primary productivity of phytoplankton and planktonic respiration in inland floodplain wetlands of southeast Australia: habitat-dependent patterns and regulating processes. <i>Ecological Research</i> , 2013, 28, 833-843.	0.7	14
365	Fluvial transport of carbon along the river-to-ocean continuum and its potential impacts on a brackish water food web in the Iwaki River watershed, northern Japan. <i>Ecological Research</i> , 2013, 28, 703-716.	0.7	10
366	Nearshore sedimentation as a record of landuse change and erosion: Jurujuba Sound, Niterói, SE Brazil. <i>Ocean and Coastal Management</i> , 2013, 77, 31-39.	2.0	15
367	For improvement in understanding eco-hydrological processes in mire. <i>Ecohydrology and Hydrobiology</i> , 2013, 13, 62-72.	1.0	14
368	Spatial heterogeneity and lake morphology affect diffusive greenhouse gas emission estimates of lakes. <i>Geophysical Research Letters</i> , 2013, 40, 5752-5756.	1.5	86
369	Spatial and seasonal variability of organic carbon transport in the Yellow River, China. <i>Journal of Hydrology</i> , 2013, 498, 76-88.	2.3	114
370	Dissolved and particulate organic carbon concentrations in stream water and relationships with land use in multiple-use watersheds of the Han River (Korea). <i>Water International</i> , 2013, 38, 326-339.	0.4	11
371	Amounts, isotopic character, and ages of organic and inorganic carbon exported from rivers to ocean margins: 1. Estimates of terrestrial losses and inputs to the Middle Atlantic Bight. <i>Global Biogeochemical Cycles</i> , 2013, 27, 331-346.	1.9	28
372	CO ₂ partial pressure and CO ₂ emission in the Lower Mekong River. <i>Journal of Hydrology</i> , 2013, 504, 40-56.	2.3	101
373	A regime shift from macrophyte to phytoplankton dominance enhances carbon burial in a shallow, eutrophic lake. <i>Ecosphere</i> , 2013, 4, 1-17.	1.0	68
374	Global carbon dioxide emissions from inland waters. <i>Nature</i> , 2013, 503, 355-359.	13.7	1,670
375	The changing carbon cycle of the coastal ocean. <i>Nature</i> , 2013, 504, 61-70.	13.7	1,146
376	A hypothesis linking chrysophyte microfossils to lake carbon dynamics on ecological and evolutionary time scales. <i>Global and Planetary Change</i> , 2013, 111, 189-198.	1.6	31
377	Sediment Trapping by Dams Creates Methane Emission Hot Spots. <i>Environmental Science & Technology</i> , 2013, 47, 8130-8137.	4.6	222
378	Human Influences on Nitrogen Removal in Lakes. <i>Science</i> , 2013, 342, 247-250.	6.0	280
379	CO ₂ emission from Dianshan Lake in summer, East China. <i>Diqiu Huaxue</i> , 2013, 32, 430-435.	0.5	2

#	ARTICLE	IF	CITATIONS
380	Hydrologic Drivers and Seasonality of Dissolved Organic Carbon Concentration, Nitrogen Content, Bioavailability, and Export in a Forested New England Stream. <i>Ecosystems</i> , 2013, 16, 604-616.	1.6	100
381	High diurnal variation in dissolved inorganic C, $\delta^{13}\text{C}$ values and surface efflux of CO_2 in a seasonal tropical floodplain. <i>Environmental Chemistry Letters</i> , 2013, 11, 399-405.	8.3	17
382	The Carbon Cycle. , 2013, , 109-135.		11
383	Controls on dissolved organic carbon quantity and chemical character in temperate rivers of North America. <i>Global Biogeochemical Cycles</i> , 2013, 27, 492-504.	1.9	45
384	Siberian larch forests and the ion content of thaw lakes form a geochemically functional entity. <i>Nature Communications</i> , 2013, 4, 2408.	5.8	36
385	A large proportion of N orth A merican net ecosystem production is offset by emissions from harvested products, river/stream evasion, and biomass burning. <i>Global Change Biology</i> , 2013, 19, 3516-3528.	4.2	14
386	Terrestrial dominance of organic matter in north temperate lakes. <i>Global Biogeochemical Cycles</i> , 2013, 27, 43-51.	1.9	117
387	Stream nutrient enrichment has a greater effect on coarse than on fine benthic organic matter. <i>Freshwater Science</i> , 2013, 32, 1111-1121.	0.9	44
388	Abiotic controls and temporal variability of river metabolism: multiyear analyses of Mississippi and Chattahoochee River data. <i>Freshwater Science</i> , 2013, 32, 1073-1087.	0.9	62
389	Land-use change, not climate, controls organic carbon burial in lakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131278.	1.2	100
390	Biodegradability of natural dissolved organic matter collected from a UK moorland stream. <i>Water Research</i> , 2013, 47, 1169-1180.	5.3	48
391	Soil enzymes in a changing environment: Current knowledge and future directions. <i>Soil Biology and Biochemistry</i> , 2013, 58, 216-234.	4.2	1,535
392	Climate, catchment runoff and limnological drivers of carbon and oxygen isotope composition of diatom frustules from the central Andean Altiplano during the Lateglacial and Early Holocene. <i>Quaternary Science Reviews</i> , 2013, 66, 64-73.	1.4	11
393	The importance of transport processes and spatial gradients on in situ estimates of lake metabolism. <i>Hydrobiologia</i> , 2013, 700, 9-21.	1.0	19
394	Effects of interrill erosion, soil crusting and soil aggregate breakdown on in situ CO_2 effluxes. <i>Catena</i> , 2013, 104, 14-20.	2.2	18
395	Environmental/climate change in the Cretaceous greenhouse world: Records from Terrestrial scientific drilling of Songliao Basin and adjacent areas of China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 385, 1-5.	1.0	25
396	The role of irrigation runoff and winter rainfall on dissolved organic carbon loads in an agricultural watershed. <i>Agriculture, Ecosystems and Environment</i> , 2013, 179, 1-10.	2.5	44
397	Latitude and pH driven trends in the molecular composition of DOM across a north south transect along the Yenisei River. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 93-105.	1.6	67

#	ARTICLE	IF	CITATIONS
398	What controls the spatial patterns of the riverine carbonate system? A case study for North America. <i>Chemical Geology</i> , 2013, 337-338, 114-127.	1.4	47
399	Carbon emission as a function of energy generation in hydroelectric reservoirs in Brazilian dry tropical biome. <i>Energy Policy</i> , 2013, 58, 109-116.	4.2	42
400	Isotopic evidence of enhanced carbonate dissolution at a coal mine drainage site in Allegheny County, Pennsylvania, USA. <i>Applied Geochemistry</i> , 2013, 29, 32-42.	1.4	31
401	Biogeochemical controls on daily cycling of hydrochemistry and $\delta^{13}\text{C}$ of dissolved inorganic carbon in a karst spring-fed pool. <i>Journal of Hydrology</i> , 2013, 478, 157-168.	2.3	41
402	Carbon dioxide dynamics driven by groundwater discharge in a coastal floodplain creek. <i>Journal of Hydrology</i> , 2013, 493, 30-42.	2.3	102
403	Assessing the temporal evolution of dissolved inorganic carbon in waters exposed to atmospheric $\text{CO}_2(\text{g})$: A laboratory approach. <i>Journal of Hydrology</i> , 2013, 505, 250-265.	2.3	15
404	Soil and Freshwater and Marine Sediment Food Webs: Their Structure and Function. <i>BioScience</i> , 2013, 63, 35-42.	2.2	34
405	Chronic catchment nitrogen enrichment and stoichiometric constraints on the bioavailability of dissolved organic matter from leaf leachate. <i>Freshwater Biology</i> , 2013, 58, 248-260.	1.2	20
406	Seasonal variability in concentration, composition, age, and fluxes of particulate organic carbon exchanged between the floodplain and Amazon River. <i>Global Biogeochemical Cycles</i> , 2013, 27, 119-130.	1.9	87
407	The Oligotrophic Ocean Is Heterotrophic. <i>Annual Review of Marine Science</i> , 2013, 5, 551-569.	5.1	129
408	Bacterial production along a river-to-ocean continuum in central Chile: implications for organic matter cycling. <i>Aquatic Microbial Ecology</i> , 2013, 68, 195-213.	0.9	22
409	Microbial community evolution during simulated managed aquifer recharge in response to different biodegradable dissolved organic carbon (BDOC) concentrations. <i>Water Research</i> , 2013, 47, 2421-2430.	5.3	87
410	Cumulative sediment trapping by reservoirs in large river basins: A case study of the Yellow River basin. <i>Global and Planetary Change</i> , 2013, 100, 308-319.	1.6	75
411	Catchment productivity controls CO_2 emissions from lakes. <i>Nature Climate Change</i> , 2013, 3, 391-394.	8.1	171
412	Factors driving the metabolism of two north temperate ponds. <i>Hydrobiologia</i> , 2013, 711, 9-17.	1.0	10
413	Organic carbon burial in lake sediments in the middle and lower reaches of the Yangtze River Basin, China. <i>Hydrobiologia</i> , 2013, 710, 143-156.	1.0	40
414	Spatiotemporal variations of CO_2 and $\delta^{13}\text{C}$ in subarctic streams in northern Sweden. <i>Global Biogeochemical Cycles</i> , 2013, 27, 176-186.	1.9	28
415	Modern carbon burial in Lake Qinghai, China. <i>Applied Geochemistry</i> , 2013, 39, 150-155.	1.4	44

#	ARTICLE	IF	CITATIONS
416	Persistent effects of acidification on stream ecosystem structure and function. <i>Freshwater Science</i> , 2013, 32, 586-596.	0.9	12
417	Land-use effects on resource net flux rates and oxygen demand in stream sediments. <i>Freshwater Biology</i> , 2013, 58, 1405-1415.	1.2	8
418	Anthropogenic perturbation of the carbon fluxes from land to ocean. <i>Nature Geoscience</i> , 2013, 6, 597-607.	5.4	937
419	Carbon Cycle. , 2013, , 674-684.		2
420	Measurements of CO ₂ and CH ₄ evasion from UK peatland headwater streams. <i>Biogeochemistry</i> , 2013, 114, 165-181.	1.7	51
421	Inorganic carbon loading as a primary driver of dissolved carbon dioxide concentrations in the lakes and reservoirs of the contiguous United States. <i>Global Biogeochemical Cycles</i> , 2013, 27, 285-295.	1.9	117
422	Temperature and precipitation drive temporal variability in aquatic carbon and <sc>GHG</sc> concentrations and fluxes in a peatland catchment. <i>Global Change Biology</i> , 2013, 19, 2133-2148.	4.2	112
423	Benthic algae stimulate leaf litter decomposition in detritus-based headwater streams: a case of aquatic priming effect?. <i>Ecology</i> , 2013, 94, 1604-1613.	1.5	165
424	Predator-induced reduction of freshwater carbon dioxide emissions. <i>Nature Geoscience</i> , 2013, 6, 191-194.	5.4	84
425	Fluctuating water levels control water chemistry and metabolism of a charophyte-dominated pond. <i>Freshwater Biology</i> , 2013, 58, 1353-1365.	1.2	40
426	Influence of lake water pH and alkalinity on the distribution of core and intact polar branched glycerol dialkyl glycerol tetraethers (GDGTs) in lakes. <i>Organic Geochemistry</i> , 2013, 60, 72-82.	0.9	54
427	Seasonality and landscape factors drive dissolved organic matter properties in Mediterranean ephemeral washes. <i>Biogeochemistry</i> , 2013, 112, 261-274.	1.7	32
428	Depositional fluxes and sources of particulate carbon and nitrogen in natural lakes and a young boreal reservoir in Northern Québec. <i>Biogeochemistry</i> , 2013, 113, 323-339.	1.7	31
429	Permafrost-carbon complexities. <i>Nature Geoscience</i> , 2013, 6, 675-676.	5.4	135
430	New methods for estimating components of lake metabolism based on free-water dissolved-oxygen dynamics. <i>Ecological Modelling</i> , 2013, 263, 251-263.	1.2	21
431	The rate of loss of dissolved organic carbon (DOC) through a catchment. <i>Journal of Hydrology</i> , 2013, 492, 139-150.	2.3	85
432	Comparisons of wetland and drainage lake influences on stream dissolved carbon concentrations and yields in a north temperate lake-rich region. <i>Aquatic Sciences</i> , 2013, 75, 619-630.	0.6	18
433	Rapid Alkalization in Lake Inawashiro, Fukushima, Japan: Implications for Future Changes in the Carbonate System of Terrestrial Waters. <i>Aquatic Geochemistry</i> , 2013, 19, 281-302.	1.5	9

#	ARTICLE	IF	CITATIONS
434	Chemical Dynamics and Evaluation of Biogeochemical Processes in Alpine River KamniÅ;ka Bistrica, North Slovenia. <i>Aquatic Geochemistry</i> , 2013, 19, 323-346.	1.5	9
435	Riverine nitrogen and carbon exports from the Canadian landmass to estuaries. <i>Biogeochemistry</i> , 2013, 115, 195-211.	1.7	15
436	Freshwater estimates of prokaryotic respiration in tropical Central America. <i>Aquatic Ecosystem Health and Management</i> , 2013, 16, 172-176.	0.3	1
437	DIEL CHANGES OF DISSOLVED ORGANIC MATTER IN STREAMS OF VARYING WATERSHED LAND USE. <i>River Research and Applications</i> , 2013, 29, 1330-1339.	0.7	11
438	Temperate reservoirs are large carbon sinks and small CO ₂ sources: Results from high-resolution carbon budgets. <i>Global Biogeochemical Cycles</i> , 2013, 27, 52-64.	1.9	73
439	In situ rapid measures of total respiration rate capture the super labile DOC bacterial substrates of freshwater. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 584-593.	1.0	20
440	Model of Nitrogen Source Allocations and Transformations Using Stable Nitrogen Isotopes. , 2013, , .		0
441	Underwater Photosynthesis of Submerged Plants â€“ Recent Advances and Methods. <i>Frontiers in Plant Science</i> , 2013, 4, 140.	1.7	206
442	Ecosystem respiration: Drivers of daily variability and background respiration in lakes around the globe. <i>Limnology and Oceanography</i> , 2013, 58, 849-866.	1.6	195
444	Evaluation of the CLM4 Lake Model at a Large and Shallow Freshwater Lake*. <i>Journal of Hydrometeorology</i> , 2013, 14, 636-649.	0.7	44
445	Deep instability of deforested tropical peatlands revealed by fluvial organic carbon fluxes. <i>Nature</i> , 2013, 493, 660-663.	13.7	270
447	Carbon preservation in humic lakes; a hierarchical regulatory pathway. <i>Global Change Biology</i> , 2013, 19, 775-784.	4.2	13
448	Modeling the dynamics of metabolism in montane streams using continuous dissolved oxygen measurements. <i>Water Resources Research</i> , 2013, 49, 5260-5275.	1.7	13
449	Remote sensing of lake CDOM using noncontemporaneous field data. <i>Canadian Journal of Remote Sensing</i> , 2013, 39, 118-126.	1.1	20
450	Carbon emissions and removals from Irish peatlands: present trends and future mitigation measures. <i>Irish Geography</i> , 2013, 46, 1-23.	0.2	23
451	Evasion of <sc>CO</sc> from streams â€“ The dominant component of the carbon export through the aquatic conduit in a boreal landscape. <i>Global Change Biology</i> , 2013, 19, 785-797.	4.2	175
452	Effect of catchment characteristics on aquatic carbon export from a boreal catchment and its importance in regional carbon cycling. <i>Global Change Biology</i> , 2013, 19, 3607-3620.	4.2	47
453	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

#	ARTICLE	IF	CITATIONS
454	A connection to deep groundwater alters ecosystem carbon fluxes and budgets: Example from a Costa Rican rainforest. <i>Geophysical Research Letters</i> , 2013, 40, 2066-2070.	1.5	34
455	Winter climate controls soil carbon dynamics during summer in boreal forests. <i>Environmental Research Letters</i> , 2013, 8, 024017.	2.2	38
456	A fractal-based approach to lake size distributions. <i>Geophysical Research Letters</i> , 2013, 40, 517-521.	1.5	62
457	New views on old carbon in the Amazon River: Insight from the source of organic carbon eroded from the Peruvian Andes. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1644-1659.	1.0	63
458	Contrasting CO ₂ concentration discharge dynamics in headwater streams: A multi-catchment comparison. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2013, 118, 445-461.	1.3	53
459	Bacterial diversity in a large, temperate, heavily modified river, as determined by pyrosequencing. <i>Aquatic Microbial Ecology</i> , 2013, 70, 169-179.	0.9	21
461	Groundwater-derived dissolved inorganic and organic carbon exports from a mangrove tidal creek: The missing mangrove carbon sink?. <i>Limnology and Oceanography</i> , 2013, 58, 475-488.	1.6	280
462	Drivers of increased organic carbon concentrations in stream water following forest disturbance: Separating effects of changes in flow pathways and soil warming. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2013, 118, 1814-1827.	1.3	35
463	Use of Water Quality Model Uncertainty Analysis to Develop Sampling Design Criteria for In-stream Carbon. , 2013, , .		0
464	Agricultural land use alters the seasonality and magnitude of stream metabolism. <i>Limnology and Oceanography</i> , 2013, 58, 1513-1529.	1.6	74
465	Efficient gas exchange between a boreal river and the atmosphere. <i>Geophysical Research Letters</i> , 2013, 40, 5683-5686.	1.5	19
466	A new pathway of freshwater methane emissions and the putative importance of microbubbles. <i>Inland Waters</i> , 2013, 3, 311-320.	1.1	55
467	Organic carbon export in the form of wood during an extreme tropical storm, Upper Rio Chagres, Panama. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1407-1416.	1.2	26
468	High emission of carbon dioxide and methane during ice thaw in high latitude lakes. <i>Geophysical Research Letters</i> , 2013, 40, 1123-1127.	1.5	106
469	Inorganic carbon speciation and fluxes in the Congo River. <i>Geophysical Research Letters</i> , 2013, 40, 511-516.	1.5	75
470	Extreme storms and changes in particulate and dissolved organic carbon in runoff: Entering uncharted waters?. <i>Geophysical Research Letters</i> , 2013, 40, 1322-1327.	1.5	114
471	A mechanistic-based framework to understand how dissolved organic carbon is processed in a large fluvial lake. <i>Limnology & Oceanography Fluids & Environments</i> , 2013, 3, 139-155.	1.7	9
472	Carbon evasion/accumulation ratio in boreal lakes is linked to nitrogen. <i>Global Biogeochemical Cycles</i> , 2013, 27, 363-374.	1.9	67

#	ARTICLE	IF	CITATIONS
473	Multiyear measurements of ebullitive methane flux from three subarctic lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1307-1321.	1.3	143
474	Interannual drought length governs dissolved organic carbon dynamics in blackwater rivers of the western upper Suwannee River basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1636-1645.	1.3	19
475	Estimating modern carbon burial rates in lakes using a single sediment sample. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 316-326.	1.0	19
476	Beyond best management practices: pelagic biogeochemical dynamics in urban stormwater ponds. <i>Ecological Applications</i> , 2013, 23, 1384-1395.	1.8	82
477	Change in winter climate will affect dissolved organic carbon and water fluxes in mid- to high latitude catchments. <i>Hydrological Processes</i> , 2013, 27, 700-709.	1.1	35
478	Revisiting Odum (1956): A synthesis of aquatic ecosystem metabolism. <i>Limnology and Oceanography</i> , 2013, 58, 2089-2100.	1.6	156
479	Eddy correlation measurements of oxygen fluxes in permeable sediments exposed to varying current flow and light. <i>Limnology and Oceanography</i> , 2013, 58, 1329-1343.	1.6	90
480	Physical responses of small temperate lakes to variation in dissolved organic carbon concentrations. <i>Limnology and Oceanography</i> , 2013, 58, 921-931.	1.6	146
481	Redistribution of forest carbon caused by patch blowdowns in subalpine forests of the Southern Rocky Mountains, USA. <i>Global Biogeochemical Cycles</i> , 2013, 27, 1205-1213.	1.9	14
482	The carbon budget of South Asia. <i>Biogeosciences</i> , 2013, 10, 513-527.	1.3	94
483	Regulation of CO ₂ emissions from temperate streams and reservoirs. <i>Biogeosciences</i> , 2013, 10, 7539-7551.	1.3	47
484	Dynamics of dissolved inorganic carbon and aquatic metabolism in the Tana River basin, Kenya. <i>Biogeosciences</i> , 2013, 10, 6911-6928.	1.3	35
485	Impact of human activities on organic carbon transport in the Yellow River. <i>Biogeosciences</i> , 2013, 10, 2513-2524.	1.3	103
486	Spatiotemporal characterization of dissolved carbon for inland waters in semi-humid/semi-arid region, China. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4269-4281.	1.9	65
487	Global multi-scale segmentation of continental and coastal waters from the watersheds to the continental margins. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2029-2051.	1.9	157
488	Subsurface release and transport of dissolved carbon in a discontinuous permafrost region. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3827-3839.	1.9	25
489	Short Communication: Humans and the missing C-sink: erosion and burial of soil carbon through time. <i>Earth Surface Dynamics</i> , 2013, 1, 45-52.	1.0	43
490	The Role of Stream Water Carbon Dynamics and Export in the Carbon Balance of a Tropical Seasonal Rainforest, Southwest China. <i>PLoS ONE</i> , 2013, 8, e56646.	1.1	10

#	ARTICLE	IF	CITATIONS
491	Contribution of Doñana Wetlands to Carbon Sequestration. PLoS ONE, 2013, 8, e71456.	1.1	16
492	Experimental evidence of nitrogen control on pCO ₂ in phosphorus-enriched humic and clear coastal lagoon waters. Frontiers in Microbiology, 2013, 4, 11.	1.5	7
493	Dynamics of Planktonic Prokaryotes and Dissolved Carbon in a Subtropical Coastal Lake. Frontiers in Microbiology, 2013, 4, 71.	1.5	11
494	Spatial variation of sediment mineralization supports differential CO ₂ emissions from a tropical hydroelectric reservoir. Frontiers in Microbiology, 2013, 4, 101.	1.5	33
495	Tropical freshwater ecosystems have lower bacterial growth efficiency than temperate ones. Frontiers in Microbiology, 2013, 4, 167.	1.5	52
496	An introduction to the biogeochemistry of river-coastal systems. , 0, , 3-18.		2
497	Composition and fluxes of carbon and nutrient species from the Yukon River basin in a changing environment. , 2013, , 503-529.		2
498	Seasonal contribution of terrestrial organic matter and biological oxygen demand to the Baltic Sea from three contrasting river catchments. Biogeosciences, 2014, 11, 3409-3419.	1.3	26
499	Dissolved Organic Matter in Aquatic Systems. , 2014, , 205-220.		12
500	Modeling the rate of turnover of DOC and particulate organic carbon in a UK, peat-hosted stream: Including diurnal cycling in short-residence time systems. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1934-1946.	1.3	23
501	Quantification of Carbon and Phosphorus Co-Limitation in Bacterioplankton: New Insights on an Old Topic. PLoS ONE, 2014, 9, e99288.	1.1	18
502	Self-Organising Maps and Correlation Analysis as a Tool to Explore Patterns in Excitation-Emission Matrix Data Sets and to Discriminate Dissolved Organic Matter Fluorescence Components. PLoS ONE, 2014, 9, e99618.	1.1	21
503	Massive Regime Shifts and High Activity of Heterotrophic Bacteria in an Ice-Covered Lake. PLoS ONE, 2014, 9, e113611.	1.1	60
504	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
505	Deposition, burial and sequestration of carbon in an oligotrophic, tropical lake. Journal of Limnology, 2014, 73, .	0.3	16
506	Atmospheric Deposition of Nutrients Shifts Carbon Capture and Storage Trends in Freshwater Tropical Lakes in India. Environmental Control in Biology, 2014, 52, 211-220.	0.3	1
507	Erosion-induced massive organic carbon burial and carbon emission in the Yellow River basin, China. Biogeosciences, 2014, 11, 945-959.	1.3	67
508	Enhanced bacterial decomposition with increasing addition of autochthonous to allochthonous carbon without any effect on bacterial community composition. Biogeosciences, 2014, 11, 1479-1489.	1.3	61

#	ARTICLE	IF	CITATIONS
509	The impact of climate and reservoirs on longitudinal riverine carbon fluxes from two major watersheds in the Central and Intermontane West. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 848-863.	1.3	13
510	Current systematic carbon-cycle observations and the need for implementing a policy-relevant carbon observing system. <i>Biogeosciences</i> , 2014, 11, 3547-3602.	1.3	189
511	Impact of dust deposition on carbon budget: a tentative assessment from a mesocosm approach. <i>Biogeosciences</i> , 2014, 11, 5621-5635.	1.3	39
512	Modeling dissolved organic carbon in temperate forest soils: TRIPLEX-DOC model development and validation. <i>Geoscientific Model Development</i> , 2014, 7, 867-881.	1.3	37
513	Daily and seasonal variability of CO ₂ saturation and evasion in a free flowing and in a dammed river reach. <i>Journal of Limnology</i> , 2014, 73, .	0.3	6
514	Export, biodegradation, and disinfection byproduct formation of dissolved and particulate organic carbon in a forested headwater stream during extreme rainfall events. <i>Biogeosciences</i> , 2014, 11, 6119-6129.	1.3	26
515	Mineralization of Eroded Organic Carbon Transported from a Loess Soil into Water. <i>Soil Science Society of America Journal</i> , 2014, 78, 1362-1367.	1.2	3
516	Stable carbon isotope biogeochemistry of lakes along a trophic gradient. <i>Biogeosciences</i> , 2014, 11, 6265-6276.	1.3	35
517	Catchment-scale dissolved carbon concentrations and export estimates across six subarctic streams in northern Sweden. <i>Biogeosciences</i> , 2014, 11, 525-537.	1.3	50
518	Contrasting vulnerability of drained tropical and high-latitude peatlands to fluvial loss of stored carbon. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1215-1234.	1.9	69
519	Seasonal changes in physical processes controlling evaporation over inland water. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9779-9792.	1.2	23
520	Scales and drivers of temporal CO ₂ dynamics in an Alpine stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1078-1091.	1.3	87
521	The carbon budget of a large catchment in the Argentine Pampa plain through hydrochemical modeling. <i>Science of the Total Environment</i> , 2014, 493, 649-655.	3.9	3
522	Effects of long-term land use change on dissolved carbon characteristics in the permafrost streams of northeast China. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2496-2506.	1.7	5
523	Comparison of river and canal water dissolved organic matter fluorescence within an urbanised catchment. <i>Water and Environment Journal</i> , 2014, 28, 11-22.	1.0	10
524	Burial rates and stoichiometry of sedimentary carbon, nitrogen and phosphorus in Midwestern US reservoirs. <i>Freshwater Biology</i> , 2014, 59, 2342-2353.	1.2	32
525	Fresh Waters, Climate Change and UK Nature Conservation. <i>Freshwater Reviews: A Journal of the Freshwater Biological Association</i> , 2014, 7, 25-75.	1.0	10
526	Linking variability in soil solution dissolved organic carbon to climate, soil type, and vegetation type. <i>Global Biogeochemical Cycles</i> , 2014, 28, 497-509.	1.9	91

#	ARTICLE	IF	CITATIONS
527	Size relationships of water discharge in rivers: scaling of discharge with catchment area, main stem length and precipitation. <i>Hydrological Processes</i> , 2014, 28, 5769-5775.	1.1	24
528	Whole-Lake CO ₂ Dynamics in Response to Storm Events in Two Morphologically Different Lakes. <i>Ecosystems</i> , 2014, 17, 1338-1353.	1.6	70
529	Widespread methanotrophic primary production in lowland chalk rivers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132854.	1.2	37
530	Dissolved organic carbon biolability decreases along with its modernization in fluvial networks in an ancient landscape. <i>Ecology</i> , 2014, 95, 2622-2632.	1.5	53
531	Global carbon budget 2013. <i>Earth System Science Data</i> , 2014, 6, 235-263.	3.7	311
532	Rates of Organic Carbon Burial in a Floodplain Lake of the Lower Yellow River Area During the Late Holocene. <i>Radiocarbon</i> , 2014, 56, 1129-1138.	0.8	3
534	Chemical weathering processes in the Yalong River draining the eastern Tibetan Plateau, China. <i>Journal of Asian Earth Sciences</i> , 2014, 88, 74-84.	1.0	76
535	Climatic and topographic controls on soil organic matter storage and dynamics in the Indian Himalaya: Potential carbon cycle "climate change feedbacks. <i>Catena</i> , 2014, 119, 125-135.	2.2	40
536	Land-use impacts on fatty acid profiles of suspended particulate organic matter along a larger tropical river. <i>Science of the Total Environment</i> , 2014, 482-483, 62-70.	3.9	38
537	Concentration and characteristics of dissolved carbon in the Sanjiang Plain influenced by long-term land reclamation from marsh. <i>Science of the Total Environment</i> , 2014, 466-467, 777-787.	3.9	6
538	Paradigm shifts in soil organic matter research affect interpretations of aquatic carbon cycling: transcending disciplinary and ecosystem boundaries. <i>Biogeochemistry</i> , 2014, 117, 279-297.	1.7	196
539	Carbon Sequestration in a Large Hydroelectric Reservoir: An Integrative Seismic Approach. <i>Ecosystems</i> , 2014, 17, 430-441.	1.6	45
540	Sources and transport of organic carbon from the Dongjiang River to the Humen outlet of the Pearl River, southern China. <i>Journal of Chinese Geography</i> , 2014, 24, 143-158.	1.5	17
541	Seasonal pattern of dissolved organic matter (DOM) in watershed sources: influence of hydrologic flow paths and autumn leaf fall. <i>Biogeochemistry</i> , 2014, 118, 321-337.	1.7	102
542	Stream water carbon controls in seasonally snow-covered mountain catchments: impact of inter-annual variability of water fluxes, catchment aspect and seasonal processes. <i>Biogeochemistry</i> , 2014, 118, 273-290.	1.7	60
543	Biochemical and biophysical CO ₂ concentrating mechanisms in two species of freshwater macrophyte within the genus <i>Ottelia</i> (Hydrocharitaceae). <i>Photosynthesis Research</i> , 2014, 121, 285-297.	1.6	64
544	Convergent Surface Water Distributions in U.S. Cities. <i>Ecosystems</i> , 2014, 17, 685-697.	1.6	56
545	Impact of changing atmospheric deposition chemistry on carbon and nutrient loading to Ganga River: integrating land "atmosphere "water components to uncover cross-domain carbon linkages. <i>Biogeochemistry</i> , 2014, 119, 179-198.	1.7	53

#	ARTICLE	IF	CITATIONS
546	Spatio-temporal variations of carbon dioxide and its gross emission regulated by artificial operation in a typical hydropower reservoir in China. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 3023-3039.	1.3	27
547	Nitrogen, Phosphorus, Carbon, and Suspended Solids Loads from Forest Clear-Cutting and Site Preparation: Long-Term Paired Catchment Studies from Eastern Finland. <i>Ambio</i> , 2014, 43, 218-233.	2.8	73
548	Direct and Indirect Effects of Dissolved Organic Matter Source and Concentration on Denitrification in Northern Florida Rivers. <i>Ecosystems</i> , 2014, 17, 14-28.	1.6	38
549	Weak trends in ice phenology of Estonian large lakes despite significant warming trends. <i>Hydrobiologia</i> , 2014, 731, 5-18.	1.0	39
550	Evidence for key enzymatic controls on metabolism of Arctic river organic matter. <i>Global Change Biology</i> , 2014, 20, 1089-1100.	4.2	70
551	Weathering of Organic Carbon. , 2014, , 217-238.		39
552	Net ecosystem methane and carbon dioxide exchanges in a Lake Erie coastal marsh and a nearby cropland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 722-740.	1.3	78
553	Warming and browning of lakes: consequences for pelagic carbon metabolism and sediment delivery. <i>Freshwater Biology</i> , 2014, 59, 325-336.	1.2	42
554	An investigation of size-fractionated organic matter from Lake Superior and a tributary stream using radiocarbon, stable isotopes and NMR. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 127, 264-284.	1.6	27
555	Storm event patterns of particulate organic carbon (POC) for large storms and differences with dissolved organic carbon (DOC). <i>Biogeochemistry</i> , 2014, 118, 61-81.	1.7	73
556	Lake eutrophication and its implications for organic carbon sequestration in Europe. <i>Global Change Biology</i> , 2014, 20, 2741-2751.	4.2	180
557	Ebullitive methane emissions from oxygenated wetland streams. <i>Global Change Biology</i> , 2014, 20, 3408-3422.	4.2	69
558	Bacterial Community Structure in Patagonian Andean Lakes Above and Below Timberline: From Community Composition to Community Function. <i>Microbial Ecology</i> , 2014, 68, 528-541.	1.4	20
559	Comparative study of isotopic trends in two coastal ecosystems of North Biscay: A multitrophic spatial gradient approach. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 136, 149-156.	0.9	6
560	Extending the ROMUL model to simulate the dynamics of dissolved and sorbed C and N compounds in decomposing boreal mor. <i>Ecological Modelling</i> , 2014, 272, 277-292.	1.2	6
561	Amazon River carbon dioxide outgassing fuelled by wetlands. <i>Nature</i> , 2014, 505, 395-398.	13.7	293
562	Fast mineralization of land-born C in inland waters: first experimental evidences of aquatic priming effect. <i>Hydrobiologia</i> , 2014, 721, 35-44.	1.0	92
563	Chemodiversity of dissolved organic matter in lakes driven by climate and hydrology. <i>Nature Communications</i> , 2014, 5, 3804.	5.8	508

#	ARTICLE	IF	CITATIONS
564	Bottomâ€up effects of lake sediment on pelagic foodâ€web compartments: a mesocosm study. <i>Freshwater Biology</i> , 2014, 59, 1695-1709.	1.2	8
565	Holocene paleohydrology of Quistococha Lake (Peru) in the upper Amazon Basin: Influence on carbon accumulation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 165-174.	1.0	11
566	Aquatic Food Web Structure and the Flow of Carbon. <i>Freshwater Reviews: A Journal of the Freshwater Biological Association</i> , 2014, 7, 1-24.	1.0	9
567	A novel highâ€temperature combustion based system for stable isotope analysis of dissolved organic carbon in aqueous samples. II: optimization and assessment of analytical performance. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2574-2586.	0.7	22
568	Component elements of the carbon cycle in the middle and lower Yenisei River. <i>Contemporary Problems of Ecology</i> , 2014, 7, 489-500.	0.3	4
569	Free-Living and Particle-Associated Bacterioplankton in Large Rivers of the Mississippi River Basin Demonstrate Biogeographic Patterns. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7186-7195.	1.4	60
570	Methane emissions from Amazonian Rivers and their contribution to the global methane budget. <i>Global Change Biology</i> , 2014, 20, 2829-2840.	4.2	110
571	Systematically variable planktonic carbon metabolism along a land-to-lake gradient in a Great Lakes coastal zone. <i>Journal of Plankton Research</i> , 2014, 36, 1528-1542.	0.8	16
572	Structural characterization of dissolved organic matter: a review of current techniques for isolation and analysis. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2064-2079.	1.7	208
573	Lakesâ€™ state and abundance across the Tibetan Plateau. <i>Science Bulletin</i> , 2014, 59, 3010-3021.	1.7	220
574	The fluvial flux of particulate organic matter from the UK: Quantifying in-stream losses and carbon sinks. <i>Journal of Hydrology</i> , 2014, 519, 611-625.	2.3	38
575	Aquatic Blue Carbon. <i>Fisheries</i> , 2014, 39, 150-150.	0.6	0
576	Carbon dioxide and methane emissions from an artificially drained coastal wetland during a flood: Implications for wetland global warming potential. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1698-1716.	1.3	72
577	Total Alkalinity and Dissolved Inorganic Carbon Production in Groundwaters Discharging through a Sandy Beach. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 88-99.	0.6	19
578	The fate of soil organic carbon upon erosion, transport and deposition in agricultural landscapes â€” A review of different concepts. <i>Geomorphology</i> , 2014, 226, 94-105.	1.1	157
579	The biogeochemistry of carbon across a gradient of streams and rivers within the Congo Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 687-702.	1.3	54
580	A global inventory of lakes based on high-resolution satellite imagery. <i>Geophysical Research Letters</i> , 2014, 41, 6396-6402.	1.5	1,013
581	Off-site impacts of agricultural composting: role of terrestrially derived organic matter in structuring aquatic microbial communities and their metabolic potential. <i>FEMS Microbiology Ecology</i> , 2014, 90, 622-632.	1.3	17

#	ARTICLE	IF	CITATIONS
582	Regional contribution of CO ₂ and CH ₄ fluxes from the fluvial network in a lowland boreal landscape of Québec. <i>Global Biogeochemical Cycles</i> , 2014, 28, 57-69.	1.9	90
583	Dissolved Organic Matter Quality and Bioavailability Changes Across an Urbanization Gradient in Headwater Streams. <i>Environmental Science & Technology</i> , 2014, 48, 7817-7824.	4.6	239
584	Carbon cycling in the Arctic. <i>Science</i> , 2014, 345, 870-870.	6.0	12
585	Carbon-14 in streams as a tracer of discharging groundwater. <i>Journal of Hydrology</i> , 2014, 519, 117-130.	2.3	18
586	The upside-down river: Reservoirs, algal blooms, and tributaries affect temporal and spatial patterns in nitrogen and phosphorus in the Klamath River, USA. <i>Journal of Hydrology</i> , 2014, 519, 164-176.	2.3	40
587	Partial pressure of CO ₂ and CO ₂ emission in a monsoon-driven hydroelectric reservoir (Danjiangkou) Tj ETQq1 1 0,784314 rgBT /Over	1.6	29
588	Controls of dissolved organic matter quality: evidence from a large-scale boreal lake survey. <i>Global Change Biology</i> , 2014, 20, 1101-1114.	4.2	287
589	Clustering Chlorine Reactivity of Haloacetic Acid Precursors in Inland Lakes. <i>Environmental Science & Technology</i> , 2014, 48, 139-148.	4.6	48
590	Sunlight-induced carbon dioxide emissions from inland waters. <i>Global Biogeochemical Cycles</i> , 2014, 28, 696-711.	1.9	127
591	Community metabolism in a deep (stratified) tropical reservoir during a period of high water-level fluctuations. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 6505-6520.	1.3	20
592	Years are not brothers: Two-year comparison of greenhouse gas fluxes in large shallow Lake Võrtsjärvi, Estonia. <i>Journal of Hydrology</i> , 2014, 519, 1594-1606.	2.3	28
593	Spatial heterogeneity of benthic methane dynamics in the subaquatic canyons of the Rhone River Delta (Lake Geneva). <i>Aquatic Sciences</i> , 2014, 76, 89-101.	0.6	21
594	Enhanced dissolved organic carbon production in aquatic ecosystems in response to elevated atmospheric CO ₂ . <i>Biogeochemistry</i> , 2014, 118, 49-60.	1.7	17
595	Source and age of dissolved and gaseous carbon in a peatland-riparian stream continuum: a dual isotope (14C and 13C) analysis. <i>Biogeochemistry</i> , 2014, 119, 415-433.	1.7	36
596	Longitudinal patterns in carbon and nitrogen fluxes and stream metabolism along an urban watershed continuum. <i>Biogeochemistry</i> , 2014, 121, 23-44.	1.7	84
597	Canopy-wake dynamics and wind sheltering effects on Earth surface fluxes. <i>Environmental Fluid Mechanics</i> , 2014, 14, 663-697.	0.7	21
598	Monitoring diel dissolved oxygen dynamics through integrating wavelet denoising and temporal neural networks. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 1583-1591.	1.3	17
599	Dynamic carbon budget of a large shallow lake assessed by a mass balance approach. <i>Hydrobiologia</i> , 2014, 731, 109-123.	1.0	18

#	ARTICLE	IF	CITATIONS
600	Spatial biodiversity of bacteria along the largest Arctic river determined by next-generation sequencing. <i>FEMS Microbiology Ecology</i> , 2014, 89, 442-450.	1.3	41
601	Greenhouse gas production in low-latitude lake sediments responds strongly to warming. <i>Nature Climate Change</i> , 2014, 4, 467-470.	8.1	155
602	Effects of land-use and hydroperiod on aboveground biomass and productivity of secondary Amazonian floodplain forests. <i>Forest Ecology and Management</i> , 2014, 319, 116-127.	1.4	13
603	Impact of air-borne or canopy-derived dissolved organic carbon (DOC) on forest soil solution DOC in Flanders, Belgium. <i>Atmospheric Environment</i> , 2014, 83, 155-165.	1.9	15
604	Morphological characteristics of urban water bodies: mechanisms of change and implications for ecosystem function. <i>Ecological Applications</i> , 2014, 24, 1070-1084.	1.8	94
605	The Impact of Wastewater Treatment Effluent on the Biogeochemistry of the Enoree River, South Carolina, During Drought Conditions. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	2
606	Carbon emission from global hydroelectric reservoirs revisited. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13636-13641.	2.7	44
607	CO ₂ and CH ₄ emissions from streams in a lake-rich landscape: Patterns, controls, and regional significance. <i>Global Biogeochemical Cycles</i> , 2014, 28, 197-210.	1.9	115
608	Bioavailability of dissolved organic carbon across a hillslope chronosequence in the Kuparuk River region, Alaska. <i>Soil Biology and Biochemistry</i> , 2014, 79, 25-33.	4.2	9
609	Benthic control on the statistical distribution of transported sediment carbon in a low-gradient stream. <i>Journal of Hydrology</i> , 2014, 515, 316-329.	2.3	7
610	Lignin biogeochemistry: from modern processes to Quaternary archives. <i>Quaternary Science Reviews</i> , 2014, 87, 46-59.	1.4	110
611	Transport of dissolved carbon and CO ₂ degassing from a river system in a mixed silicate and carbonate catchment. <i>Journal of Hydrology</i> , 2014, 513, 391-402.	2.3	77
612	Origin, composition, and transformation of dissolved organic matter in tropical peatlands. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 137, 35-47.	1.6	44
613	Models from ecohydrology and hydrobiology can inform our human future. <i>Ecohydrology and Hydrobiology</i> , 2014, 14, 21-32.	1.0	7
614	A large column analog experiment of stable isotope variations during reactive transport: II. Carbon mass balance, microbial community structure and predation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 394-409.	1.6	17
615	Stochastic modeling of fine particulate organic carbon dynamics in rivers. <i>Water Resources Research</i> , 2014, 50, 4341-4356.	1.7	53
616	Watershed Glacier Coverage Influences Dissolved Organic Matter Biogeochemistry in Coastal Watersheds of Southeast Alaska. <i>Ecosystems</i> , 2014, 17, 1014-1025.	1.6	27
617	Benthic flux of dissolved organic matter from lake sediment at different redox conditions and the possible effects of biogeochemical processes. <i>Water Research</i> , 2014, 61, 97-107.	5.3	63

#	ARTICLE	IF	CITATIONS
618	Resurgent Beaver Ponds in the Northeastern United States: Implications for Greenhouse Gas Emissions. <i>Journal of Environmental Quality</i> , 2014, 43, 1844-1852.	1.0	11
619	Comparison of floating chamber and eddy covariance measurements of lake greenhouse gas fluxes. <i>Biogeosciences</i> , 2014, 11, 4225-4233.	1.3	66
620	Stable isotopes dissect aquatic food webs from the top to the bottom. <i>Biogeosciences</i> , 2014, 11, 2357-2371.	1.3	177
622	Eutrophication reverses whole-lake carbon budgets. <i>Inland Waters</i> , 2014, 4, 41-48.	1.1	165
623	Terrestrial and Inland Water Systems. , 0, , 271-360.		25
624	Low organic carbon burial efficiency in arctic lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1231-1243.	1.3	55
625	Upscaling carbon dioxide emissions from lakes. <i>Geophysical Research Letters</i> , 2014, 41, 7555-7559.	1.5	21
626	Evaluating a fast headspace method for measuring DIC and subsequent calculation of pCO ₂ in freshwater systems. <i>Inland Waters</i> , 2014, 4, 157-166.	1.1	42
627	Carbon dioxide emissions from dry watercourses. <i>Inland Waters</i> , 2014, 4, 377-382.	1.1	69
628	Urbanization and the carbon cycle: Current capabilities and research outlook from the natural sciences perspective. <i>Earth's Future</i> , 2014, 2, 473-495.	2.4	159
630	Ecosystem respiration increases with biofilm growth and bed forms: Flume measurements with resazurin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 2220-2230.	1.3	27
631	Modeling priming effects on microbial consumption of dissolved organic carbon in rivers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 982-995.	1.3	67
632	Variations in sediment organic carbon between different types of small natural ponds along Druridge Bay, Northumberland, UK. <i>Inland Waters</i> , 2014, 4, 57-64.	1.1	9
633	Sediment and carbon fluxes along a longitudinal gradient in the lower Tana River (Kenya). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1340-1353.	1.3	31
634	Downstream changes in DOC: Inferring contributions in the face of model uncertainties. <i>Water Resources Research</i> , 2014, 50, 514-525.	1.7	48
635	Diel flow pulses drive particulate organic matter transport from microbial mats in a glacial meltwater stream in the McMurdo Dry Valleys. <i>Water Resources Research</i> , 2014, 50, 86-97.	1.7	41
636	Contrasting carbon export dynamics of human impacted and pristine tropical catchments in response to a short-lived discharge event. <i>Hydrological Processes</i> , 2014, 28, 1835-1843.	1.1	25
637	Effects of lakes and reservoirs on annual river nitrogen, phosphorus, and sediment export in agricultural and forested landscapes. <i>Hydrological Processes</i> , 2014, 28, 5919-5937.	1.1	37

#	ARTICLE	IF	CITATIONS
638	Quantifying lake allochthonous organic carbon budgets using a simple equilibrium model. <i>Limnology and Oceanography</i> , 2014, 59, 167-181.	1.6	40
639	A coupled geochemical and biogeochemical approach to characterize the bioreactivity of dissolved organic matter from a headwater stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1520-1537.	1.3	73
640	Model of particulate organic carbon transport in an agriculturally impacted stream. <i>Hydrological Processes</i> , 2014, 28, 662-675.	1.1	32
641	Linking organic carbon sedimentation, burial efficiency, and long-term accumulation in boreal lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 836-847.	1.3	84
642	Daily, biweekly, and seasonal temporal scales of pCO_2 variability in two stratified Mediterranean reservoirs. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 509-520.	1.3	57
643	Widespread variability in overnight patterns of ecosystem respiration linked to gradients in dissolved organic matter, residence time, and productivity in a global set of lakes. <i>Limnology and Oceanography</i> , 2014, 59, 1666-1678.	1.6	22
644	Temperature sensitivity of community respiration rates in streams is associated with watershed geomorphic features. <i>Ecology</i> , 2014, 95, 2707-2714.	1.5	47
645	Stable isotope estimates of evaporation : inflow and water residence time for lakes across the United States as a tool for national lake water quality assessments. <i>Limnology and Oceanography</i> , 2014, 59, 2150-2165.	1.6	107
646	Energy input is primary controller of methane bubbling in subarctic lakes. <i>Geophysical Research Letters</i> , 2014, 41, 555-560.	1.5	96
647	Ecosystem-specific Composition of Dissolved Organic Matter. <i>Vadose Zone Journal</i> , 2014, 13, 1-10.	1.3	46
648	Carbon transport in rivers of southwest Haiti. <i>Applied Geochemistry</i> , 2015, 63, 563-572.	1.4	3
649	Modeling methane emissions from arctic lakes: Model development and site-level study. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 459-483.	1.3	71
650	Bacterial diversity along a 2600-km river continuum. <i>Environmental Microbiology</i> , 2015, 17, 4994-5007.	1.8	265
651	The relative influence of land cover, hydrology, and in-stream processing on the composition of dissolved organic matter in boreal streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1491-1505.	1.3	84
652	Climate extremes dominating seasonal and interannual variations in carbon export from the Mississippi River Basin. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1333-1347.	1.9	46
653	Potential for long-term transfer of dissolved organic carbon from riparian zones to streams in boreal catchments. <i>Global Change Biology</i> , 2015, 21, 2963-2979.	4.2	76
654	Hydraulics are a first-order control on CO_2 efflux from fluvial systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1912-1922.	1.3	30
655	Drying responses of microbial litter decomposition and associated fungal and bacterial communities are not affected by emersion frequency. <i>Freshwater Science</i> , 2015, 34, 1233-1244.	0.9	39

#	ARTICLE	IF	CITATIONS
656	A coupled hydrology–biogeochemistry model to simulate dissolved organic carbon exports from a permafrost–influenced catchment. <i>Hydrological Processes</i> , 2015, 29, 5383-5396.	1.1	29
657	Nutrient enrichment alters the magnitude and timing of fungal, bacterial, and detritivore contributions to litter breakdown. <i>Freshwater Science</i> , 2015, 34, 1259-1271.	0.9	21
658	The impact of disturbed peatlands on river outgassing in Southeast Asia. <i>Nature Communications</i> , 2015, 6, 10155.	5.8	51
659	Positive priming of terrestrially derived dissolved organic matter in a freshwater microcosm system. <i>Geophysical Research Letters</i> , 2015, 42, 5460-5467.	1.5	100
660	Impact of degrading permafrost on subsurface solute transport pathways and travel times. <i>Water Resources Research</i> , 2015, 51, 7680-7701.	1.7	50
661	Carbon dioxide evasion from headwater systems strongly contributes to the total export of carbon from a small boreal lake catchment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 13-28.	1.3	46
662	Carbon dioxide emissions from estuaries of northern and northeastern Brazil. <i>Scientific Reports</i> , 2014, 4, 6164.	1.6	33
663	Diurnal to annual changes in latent, sensible heat, and CO ₂ fluxes over a Laurentian Great Lake: A case study in Western Lake Erie. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1587-1604.	1.3	56
666	CO ₂ outgassing from the Yellow River network and its implications for riverine carbon cycle. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1334-1347.	1.3	66
667	Anthropogenic and climatic influences on carbon fluxes from eastern North America to the Atlantic Ocean: A process-based modeling study. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 757-772.	1.3	87
668	CO ₂ Emission to the Atmosphere from Carbonate Waters: The Study Case of the Lublin Upland and Rostocze Regions. <i>Ecological Chemistry and Engineering S</i> , 2015, 22, 499-511.	0.3	1
669	Recent decrease in DOC concentrations in Arctic lakes of southwest Greenland. <i>Geophysical Research Letters</i> , 2015, 42, 6703-6709.	1.5	26
670	Large increases in carbon burial in northern lakes during the Anthropocene. <i>Nature Communications</i> , 2015, 6, 10016.	5.8	124
671	The role of bottom-up and top-down interactions in determining microbial and fungal diversity and function. , 2015, , 260-287.		12
672	Anthropogenically enhanced chemical weathering and carbon evasion in the Yangtze Basin. <i>Scientific Reports</i> , 2015, 5, 11941.	1.6	31
673	The effect of regional groundwater on carbon dioxide and methane emissions from a lowland rainforest stream in Costa Rica. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2579-2595.	1.3	19
674	Large methane emissions from a subarctic lake during spring thaw: Mechanisms and landscape significance. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2289-2305.	1.3	70
675	Particulate nitrogen exports in stream runoff exceed dissolved nitrogen forms during large tropical storms in a temperate, headwater, forested watershed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1548-1566.	1.3	32

#	ARTICLE	IF	CITATIONS
676	Global Landscape of Total Organic Carbon, Nitrogen and Phosphorus in Lake Water. Scientific Reports, 2015, 5, 15043.	1.6	67
677	Does lake size matter? Combining morphology and process modeling to examine the contribution of lake classes to population-scale processes. Inland Waters, 2015, 5, 7-14.	1.1	14
678	Lake "landscape connections at the forest-tundra transition of northern Manitoba. Inland Waters, 2015, 5, 57-74.	1.1	10
679	Patterns and drivers of change in organic carbon burial across a diverse landscape: Insights from 116 Minnesota lakes. Global Biogeochemical Cycles, 2015, 29, 708-727.	1.9	39
680	Diel cycle of lake-air CO ₂ flux from a shallow lake and the impact of waterside convection on the transfer velocity. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 29-38.	1.3	51
681	Top consumer abundance influences lake methane efflux. Nature Communications, 2015, 6, 8787.	5.8	52
682	Atmospheric deposition coupled terrestrial export of organic carbon in Ganga River (India): linking cross-domain carbon transfer to river DOC. International Aquatic Research, 2015, 7, 273-285.	1.5	9
683	Carbon burial in Bosten Lake over the past century: Impacts of climate change and human activity. Chemical Geology, 2015, 419, 132-141.	1.4	34
684	Organic carbon concentrations and transport in small mountain rivers, Panama. Applied Geochemistry, 2015, 63, 540-549.	1.4	17
685	Dynamics of dissolved organic carbon release from a permafrost wetland catchment in northeast China. Journal of Hydrology, 2015, 531, 919-928.	2.3	16
686	Carbon dioxide and methane emissions from Tanswei River in Northern Taiwan. Atmospheric Pollution Research, 2015, 6, 52-61.	1.8	26
687	The Relative Contribution of Winter Under-Ice and Summer Hypolimnetic CO ₂ Accumulation to the Annual CO ₂ Emissions from Northern Lakes. Ecosystems, 2015, 18, 547-559.	1.6	61
688	Estimating greenhouse gas emissions from future Amazonian hydroelectric reservoirs. Environmental Research Letters, 2015, 10, 124019.	2.2	65
689	<i>Tillandsia usneoides</i> (L.) L. (Spanish moss) water storage and leachate characteristics from two maritime oak forest settings. Ecohydrology, 2015, 8, 988-1004.	1.1	27
690	Forecasting the response of Earth's surface to future climatic and land use changes: A review of methods and research needs. Earth's Future, 2015, 3, 220-251.	2.4	98
691	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
692	Effects of water clarity on lake stratification and lake-atmosphere heat exchange. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7412-7428.	1.2	77
693	Soil organic carbon across scales. Global Change Biology, 2015, 21, 3561-3574.	4.2	114

#	ARTICLE	IF	CITATIONS
694	Permafrost collapse alters soil carbon stocks, respiration, CH_4 , and N_2O in upland tundra. <i>Global Change Biology</i> , 2015, 21, 4570-4587.	4.2	155
695	Isotope-based F_2O_2 organic C carbon (<i>ISOFLC</i>) M model: Model formulation, sensitivity, and evaluation. <i>Water Resources Research</i> , 2015, 51, 4046-4064.	1.7	18
696	Local and landscape-scale impacts of clearcuts and climate change on surface water dissolved organic carbon in boreal forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2402-2426.	1.3	23
697	Inter- and intra-annual variations of pCO_2 and pO_2 in a freshwater subtropical coastal lake. <i>Inland Waters</i> , 2015, 5, 107-116.	1.1	16
698	Temporal control on concentration, character, and export of dissolved organic carbon in two hemiboreal headwater streams draining contrasting catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 832-846.	1.3	34
699	Stream oxygen flux and metabolism determined with the open water and aquatic eddy covariance techniques. <i>Limnology and Oceanography</i> , 2015, 60, 1344-1355.	1.6	21
700	Spatial Variability of Dissolved Organic and Inorganic Carbon in Subarctic Headwater Streams. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 529-546.	0.4	22
701	Eutrophication effects on greenhouse gas fluxes from shallow lake mesocosms override those of climate warming. <i>Global Change Biology</i> , 2015, 21, 4449-4463.	4.2	132
702	Impact of extreme hydrologic disturbance upon the sediment carbon quality in agriculturally impacted temperate streams. <i>Ecohydrology</i> , 2015, 8, 438-449.	1.1	19
703	Effects of permafrost degradation on water and sediment quality and heterotrophic bacterial production of A ctic tundra lakes: An experimental approach. <i>Limnology and Oceanography</i> , 2015, 60, 1484-1497.	1.6	9
704	Removal of terrestrial DOC in aquatic ecosystems of a temperate river network. <i>Geophysical Research Letters</i> , 2015, 42, 6671-6679.	1.5	61
705	Ultraviolet radiation exposure of a high arctic lake in S valbard during the H olocene. <i>Boreas</i> , 2015, 44, 401-412.	1.2	9
706	Summer methane ebullition from a headwater catchment in Northeastern Siberia. <i>Inland Waters</i> , 2015, 5, 224-230.	1.1	11
707	The Potential for CO_2 -Induced Acidification in Freshwater: A Great Lakes Case Study. <i>Oceanography</i> , 2015, 25, 136-145.	0.5	95
708	Controls on dissolved organic matter (DOM) degradation in a headwater stream: the influence of photochemical and hydrological conditions in determining light-limitation or substrate-limitation of photo-degradation. <i>Biogeosciences</i> , 2015, 12, 6669-6685.	1.3	79
709	Reviews and syntheses: Effects of permafrost thaw on Arctic aquatic ecosystems. <i>Biogeosciences</i> , 2015, 12, 7129-7167.	1.3	354
710	Seasonal variations in concentration and lability of dissolved organic carbon in Tokyo Bay. <i>Biogeosciences</i> , 2015, 12, 269-279.	1.3	26
711	A laboratory experiment on the behaviour of soil-derived core and intact polar GDGTs in aquatic environments. <i>Biogeosciences</i> , 2015, 12, 933-943.	1.3	16

#	ARTICLE	IF	CITATIONS
712	Technical note: drifting versus anchored flux chambers for measuring greenhouse gas emissions from running waters. <i>Biogeosciences</i> , 2015, 12, 7013-7024.	1.3	97
713	Temporal Dynamics and Drivers of Ecosystem Metabolism in a Large Subtropical Shallow Lake (Lake Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 312 Tf 50 312 Tf 50 312)	1.2	12
714	Grand challenges in biogeoscience. <i>Frontiers in Earth Science</i> , 2015, 3, .	0.8	5
715	Mass and UV-visible spectral fingerprints of dissolved organic matter: sources and reactivity. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	13
716	Long-term spatial and temporal variation of CO ₂ partial pressure in the Yellow River, China. <i>Biogeosciences</i> , 2015, 12, 921-932.	1.3	66
717	Contrasting pelagic plankton in temperate Irish lakes: the relative contribution of heterotrophic, mixotrophic, and autotrophic components, and the effects of extreme rainfall events. <i>Inland Waters</i> , 2015, 5, 295-310.	1.1	12
718	Coupling global models for hydrology and nutrient loading to simulate nitrogen and phosphorus retention in surface water – description of IMAGE-GNM and analysis of performance. <i>Geoscientific Model Development</i> , 2015, 8, 4045-4067.	1.3	124
719	The Impact of Conservation Management on the Community Composition of Multiple Organism Groups in Eutrophic Interconnected Man-Made Ponds. <i>PLoS ONE</i> , 2015, 10, e0139371.	1.1	9
720	Seasonal Changes in Plankton Food Web Structure and Carbon Dioxide Flux from Southern California Reservoirs. <i>PLoS ONE</i> , 2015, 10, e0140464.	1.1	7
721	Carbon Dioxide Emissions from Reservoirs in the Lower Jordan Watershed. <i>PLoS ONE</i> , 2015, 10, e0143381.	1.1	6
722	Uncoupled organic matter burial and quality in boreal lake sediments over the Holocene. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1751-1763.	1.3	21
723	Dynamics of greenhouse gases (CO ₂ ,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 312 Tf 50 312 Tf 50 312 Zambezi River and major tributaries, and their importance in the riverine carbon budget. <i>Biogeosciences</i> , 2015, 12, 2431-2453.	1.3	122
724	Thermokarst lake methanogenesis along a complete talik profile. <i>Biogeosciences</i> , 2015, 12, 4317-4331.	1.3	43
725	Sources of dissolved organic matter during storm and inter-storm conditions in a lowland headwater catchment: constraints from high-frequency molecular data. <i>Biogeosciences</i> , 2015, 12, 4333-4343.	1.3	23
726	Large increase in dissolved inorganic carbon flux from the Mississippi River to Gulf of Mexico due to climatic and anthropogenic changes over the 21st century. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 724-736.	1.3	38
727	Dam tailwaters compound the effects of reservoirs on the longitudinal transport of organic carbon in an arid river. <i>Biogeosciences</i> , 2015, 12, 4345-4359.	1.3	15
728	Historical TOC concentration minima during peak sulfur deposition in two Swedish lakes. <i>Biogeosciences</i> , 2015, 12, 307-322.	1.3	21
729	Lateral carbon fluxes and CO ₂ outgassing from a tropical peat-draining river. <i>Biogeosciences</i> , 2015, 12, 5967-5979.	1.3	59

#	ARTICLE	IF	CITATIONS
730	Seasonal response of air-water CO ₂ exchange along the land-ocean aquatic continuum of the northeast North American coast. <i>Biogeosciences</i> , 2015, 12, 1447-1458.	1.3	34
731	Methane and carbon dioxide emissions from 40 lakes along a north-south latitudinal transect in Alaska. <i>Biogeosciences</i> , 2015, 12, 3197-3223.	1.3	142
732	Predicting eutrophication status in reservoirs at large spatial scales using landscape and morphometric variables. <i>Inland Waters</i> , 2015, 5, 203-214.	1.1	41
733	Absence of a priming effect on dissolved organic carbon degradation in lake water. <i>Limnology and Oceanography</i> , 2015, 60, 159-168.	1.6	91
734	Early land use and centennial scale changes in lake-water organic carbon prior to contemporary monitoring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6579-6584.	3.3	74
735	The Pyrogenic Carbon Cycle. <i>Annual Review of Earth and Planetary Sciences</i> , 2015, 43, 273-298.	4.6	336
736	Investigations of freezing and cold storage for the analysis of peatland dissolved organic carbon (DOC) and absorbance properties. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1290-1301.	1.7	37
737	Hydrologic and biogeochemical influences on carbon processing in the riparian zone of a subarctic stream. <i>Freshwater Science</i> , 2015, 34, 222-232.	0.9	10
738	Of wood and rivers: bridging the perception gap. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015, 2, 167-176.	2.8	38
739	Control of nitrogen and phosphorus transport by reservoirs in agricultural landscapes. <i>Biogeochemistry</i> , 2015, 124, 417-439.	1.7	52
740	Predicting bathymetric features of lakes from the topography of their surrounding landscape. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 643-650.	0.7	40
741	Does allochthony in lakes change across an elevation gradient?. <i>Ecology</i> , 2015, 96, 3281-3291.	1.5	34
742	The relative influence of topography and land cover on inorganic and organic carbon exports from catchments in southern Quebec, Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2562-2578.	1.3	7
743	Linking dissolved carbon dioxide to dissolved organic matter quality in streams. <i>Biogeochemistry</i> , 2015, 126, 99-114.	1.7	26
744	Significant fraction of CO ₂ emissions from boreal lakes derived from hydrologic inorganic carbon inputs. <i>Nature Geoscience</i> , 2015, 8, 933-936.	5.4	171
745	Limnology of the Green Lakes Valley: phytoplankton ecology and dissolved organic matter biogeochemistry at a long-term ecological research site. <i>Plant Ecology and Diversity</i> , 2015, 8, 689-702.	1.0	16
746	Groundwater seepage as a driver of CO ₂ evasion in a coastal lake (Lake Ainsworth, NSW, Australia). <i>Environmental Earth Sciences</i> , 2015, 74, 779-792.	1.3	28
747	Dissolved organic carbon concentration and flux in a grassland stream: spatial and temporal patterns and processes from long-term data. <i>Biogeochemistry</i> , 2015, 125, 393-408.	1.7	8

#	ARTICLE	IF	CITATIONS
748	From land to lake: Contrasting microbial processes across a Great Lakes gradient of organic carbon and inorganic nutrient inventories. <i>Journal of Great Lakes Research</i> , 2015, 41, 75-85.	0.8	20
749	Hydrologic, metabolic and chemical regulation of water-column metabolism and atmospheric CO ₂ exchange in a large continental reservoir during spring and summer. <i>Journal of Great Lakes Research</i> , 2015, 41, 144-154.	0.8	11
750	Late Quaternary carbon cycling responses to environmental change revealed by multi-proxy analyses of a sediment core from an upland lake in southwest China. <i>Quaternary Research</i> , 2015, 84, 415-422.	1.0	9
751	Validation of MERIS spectral inversion processors using reflectance, IOP and water quality measurements in boreal lakes. <i>Remote Sensing of Environment</i> , 2015, 157, 147-157.	4.6	31
752	Potential shifts in Canadian High Arctic sedimentary organic matter composition with permafrost active layer detachments. <i>Organic Geochemistry</i> , 2015, 79, 1-13.	0.9	14
753	Size Does Matter: Importance of Large Bubbles and Small-Scale Hot Spots for Methane Transport. <i>Environmental Science & Technology</i> , 2015, 49, 1268-1276.	4.6	93
754	Peak and tail scaling of breakthrough curves in hydrologic tracer tests. <i>Advances in Water Resources</i> , 2015, 78, 1-8.	1.7	23
755	Net ecosystem production and organic carbon balance of U.S. East Coast estuaries: A synthesis approach. <i>Global Biogeochemical Cycles</i> , 2015, 29, 96-111.	1.9	93
756	Effect of human-controlled hydrological regime on the source, transport, and flux of particulate organic carbon from the lower Huanghe (Yellow River). <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1029-1042.	1.2	37
757	Switching predominance of organic versus inorganic carbon exports from an intermediate-size subarctic watershed. <i>Geophysical Research Letters</i> , 2015, 42, 386-394.	1.5	20
758	The age of river-transported carbon: A global perspective. <i>Global Biogeochemical Cycles</i> , 2015, 29, 122-137.	1.9	163
759	Decrease in CO ₂ efflux from northern hardwater lakes with increasing atmospheric warming. <i>Nature</i> , 2015, 519, 215-218.	13.7	102
760	Beaver-mediated methane emission: The effects of population growth in Eurasia and the Americas. <i>Ambio</i> , 2015, 44, 7-15.	2.8	50
761	A carbon balance of Norway: terrestrial and aquatic carbon fluxes. <i>Biogeochemistry</i> , 2015, 123, 147-173.	1.7	28
762	Physical and biogeochemical mechanisms of internal carbon cycling in Lake Michigan. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2112-2128.	1.0	17
763	Effects of Light and Autochthonous Carbon Additions on Microbial Turnover of Allochthonous Organic Carbon and Community Composition. <i>Microbial Ecology</i> , 2015, 69, 361-371.	1.4	17
764	Soil Organic Carbon Stocks in a Large Eutrophic Floodplain Forest of the Southeastern Atlantic Coastal Plain, USA. <i>Wetlands</i> , 2015, 35, 291-301.	0.7	31
765	Spatial and temporal variability of CO ₂ fluxes in tropical estuarine systems near areas of high population density in Brazil. <i>Regional Environmental Change</i> , 2015, 15, 619-630.	1.4	13

#	ARTICLE	IF	CITATIONS
766	The variability of conditions of carbonate allocation on the example of a small flow-through $\delta^{13}C$ in Czarna-Wódzka lake (Eastern Poland). <i>Environmental Earth Sciences</i> , 2015, 73, 1601-1610.	1.3	2
767	Spatial and temporal variations of pCO_2 , dissolved inorganic carbon and stable isotopes along a temperate karstic watercourse. <i>Hydrological Processes</i> , 2015, 29, 3423-3440.	1.1	78
768	Seasonal Changes in Metabolic Rates of Two Tropical Lakes in the Atlantic Forest of Brazil. <i>Ecosystems</i> , 2015, 18, 589-604.	1.6	30
769	High CO_2 evasion during floods in an Australian subtropical estuary downstream from a modified acidic floodplain wetland. <i>Limnology and Oceanography</i> , 2015, 60, 42-56.	1.6	31
770	Rivers in the Critical Zone. <i>Developments in Earth Surface Processes</i> , 2015, , 267-293.	2.8	5
771	A new method to generate a high-resolution global distribution map of lake chlorophyll. <i>International Journal of Remote Sensing</i> , 2015, 36, 1942-1964.	1.3	39
772	Porewater exchange as a driver of carbon dynamics across a terrestrial-marine transect: Insights from coupled ^{222}Rn and pCO_2 observations in the German Wadden Sea. <i>Marine Chemistry</i> , 2015, 171, 10-20.	0.9	68
773	Effects of land use on greenhouse gas fluxes and soil properties of wetland catchments in the Prairie Pothole Region of North America. <i>Science of the Total Environment</i> , 2015, 533, 391-409.	3.9	49
774	Wetlands of the Lowland Amazon Basin: Extent, Vegetative Cover, and Dual-season Inundated Area as Mapped with JERS-1 Synthetic Aperture Radar. <i>Wetlands</i> , 2015, 35, 745-756.	0.7	195
775	Characterization and photodegradation of dissolved organic matter (DOM) from a tropical lake and its dominant primary producer, the cyanobacteria <i>Microcystis aeruginosa</i> . <i>Marine Chemistry</i> , 2015, 177, 205-217.	0.9	61
776	Landscape Control on the Spatial and Temporal Variability of Chromophoric Dissolved Organic Matter and Dissolved Organic Carbon in Large African Rivers. <i>Ecosystems</i> , 2015, 18, 1224-1239.	1.6	57
777	Linking summer conditions to CO_2 undersaturation and CO_2 influx in a subtropical coastal lake. <i>Limnology</i> , 2015, 16, 193-201.	0.8	7
778	Ammonium and glucose amendments stimulate dissolved organic matter mineralization in a Lake Superior tributary. <i>Journal of Great Lakes Research</i> , 2015, 41, 801-807.	0.8	13
779	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. <i>Environmental Science & Technology</i> , 2015, 49, 13798-13806.	4.6	166
780	Globally significant greenhouse-gas emissions from African inland waters. <i>Nature Geoscience</i> , 2015, 8, 637-642.	5.4	348
781	Dissolved inorganic carbon (DIC) and its $\delta^{13}C$ in the Ganga (Hooghly) River estuary, India: Evidence of DIC generation via organic carbon degradation and carbonate dissolution. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 226-248.	1.6	88
782	Organic Carbon Burial in Lakes and Reservoirs of the Conterminous United States. <i>Environmental Science & Technology</i> , 2015, 49, 7614-7622.	4.6	78
783	Understanding the diurnal cycle in fluvial dissolved organic carbon – The interplay of in-stream residence time, day length and organic matter turnover. <i>Journal of Hydrology</i> , 2015, 523, 830-838.	2.3	17

#	ARTICLE	IF	CITATIONS
784	Pre-treatments, characteristics, and biogeochemical dynamics of dissolved organic matter in sediments: A review. <i>Water Research</i> , 2015, 79, 10-25.	5.3	130
785	Detrital stoichiometry as a critical nexus for the effects of streamwater nutrients on leaf litter breakdown rates. <i>Ecology</i> , 2015, 96, 2214-2224.	1.5	59
786	Quality of dissolved organic matter affects planktonic but not biofilm bacterial production in streams. <i>Science of the Total Environment</i> , 2015, 506-507, 353-360.	3.9	51
787	Temporal dynamics of groundwater-dissolved inorganic carbon beneath a drought-affected braided stream: Platte River case study. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 924-937.	1.3	5
788	Dynamics of dissolved organic matter in fjord ecosystems: Contributions of terrestrial dissolved organic matter in the deep layer. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 159, 37-49.	0.9	18
789	Highs and lows: The effect of differently sized freshwater inflows on estuarine carbon, nitrogen, phosphorus, bacteria and chlorophyll a dynamics. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 156, 71-82.	0.9	33
790	Mind the gap: non-biological processes contributing to soil CO_2 efflux. <i>Global Change Biology</i> , 2015, 21, 1752-1761.	4.2	96
791	The river as a chemostat: fresh perspectives on dissolved organic matter flowing down the river continuum. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 1272-1285.	0.7	242
792	Greenhouse gas emission and storage in a small shallow lake. <i>Hydrobiologia</i> , 2015, 757, 101-115.	1.0	43
793	Stable carbon isotope values in dissolved inorganic carbon of ambient waters and shell carbonate of the freshwater pearl mussel (<i>Hyriopsis</i> sp.). <i>Journal of Paleolimnology</i> , 2015, 54, 37-51.	0.8	10
794	A large carbon pool in lake sediments over the arid/semiarid region, NW China. <i>Diqiu Huaxue</i> , 2015, 34, 289-298.	0.5	11
795	Organic carbon fractions and estimation of organic carbon storage in the lake sediments in Inner Mongolia Plateau, China. <i>Environmental Earth Sciences</i> , 2015, 73, 2169-2178.	1.3	20
796	Hydrochemistry of the middle and upper reaches of the Yarlung Tsangpo River system: weathering processes and CO_2 consumption. <i>Environmental Earth Sciences</i> , 2015, 74, 2369-2379.	1.3	31
797	Tracing anthropogenic DIC in urban streams based on isotopic and geochemical tracers. <i>Environmental Earth Sciences</i> , 2015, 74, 2707-2717.	1.3	8
798	Source limitation of carbon gas emissions in high-elevation mountain streams and lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 952-964.	1.3	43
799	Frozen ponds: production and storage of methane during the Arctic winter in a lowland tundra landscape in northern Siberia, Lena River delta. <i>Biogeosciences</i> , 2015, 12, 977-990.	1.3	58
800	Particle-associated and cell-free extracellular enzyme activity in relation to nutrient status of large tributaries of the Lower Mississippi River. <i>Biogeochemistry</i> , 2015, 124, 255-271.	1.7	27
801	Disentangling the Interactions Between Photochemical and Bacterial Degradation of Dissolved Organic Matter: Amino Acids Play a Central Role. <i>Microbial Ecology</i> , 2015, 69, 554-566.	1.4	37

#	ARTICLE	IF	CITATIONS
802	Aquatic heterotrophic bacteria have highly flexible phosphorus content and biomass stoichiometry. <i>ISME Journal</i> , 2015, 9, 2324-2327.	4.4	83
803	Short-term and seasonal variability of oxygen fluxes at the sediment-water interface in a riverine lake. <i>Aquatic Sciences</i> , 2015, 77, 183-196.	0.6	18
804	Watershed hydrology and dissolved organic matter export across time scales: minute to millennium. <i>Freshwater Science</i> , 2015, 34, 392-398.	0.9	18
805	Whole-stream ¹³ C tracer addition reveals distinct fates of newly fixed carbon. <i>Ecology</i> , 2015, 96, 403-416.	1.5	62
806	Longitudinal shifts in dissolved organic matter chemogeography and chemodiversity within headwater streams: a river continuum reprise. <i>Biogeochemistry</i> , 2015, 124, 371-385.	1.7	60
807	A metagenome for lacustrine <i>Cladophora</i> (Cladophorales) reveals remarkable diversity of eukaryotic epibionts and genes relevant to materials cycling. <i>Journal of Phycology</i> , 2015, 51, 408-418.	1.0	15
808	Differences in organic matter and bacterioplankton between sections of the largest <sc>Arctic river: Mosaic or continuum?. <i>Limnology and Oceanography</i> , 2015, 60, 1314-1331.	1.6	37
809	Should Aquatic CO ₂ Evasion be Included in Contemporary Carbon Budgets for Peatland Ecosystems?. <i>Ecosystems</i> , 2015, 18, 471-480.	1.6	19
810	Contrasting biogeochemical characteristics of the Oubangui River and tributaries (Congo River) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42	1.6	46
811	Predation Threat Alters Composition and Functioning of Bromeliad Ecosystems. <i>Ecosystems</i> , 2015, 18, 857-866.	1.6	43
812	Climate-driven terrestrial inputs in ultraoligotrophic mountain streams of Andean Patagonia revealed through chromophoric and fluorescent dissolved organic matter. <i>Science of the Total Environment</i> , 2015, 521-522, 280-292.	3.9	44
813	Spatial patterns in CO ₂ evasion from the global river network. <i>Global Biogeochemical Cycles</i> , 2015, 29, 534-554.	1.9	223
814	Hot spots for carbon emissions from Mediterranean fluvial networks during summer drought. <i>Biogeochemistry</i> , 2015, 125, 409-426.	1.7	58
815	Carbon sequestration and decreased CO ₂ emission caused by terrestrial aquatic photosynthesis: Insights from diel hydrochemical variations in an epikarst spring and two spring-fed ponds in different seasons. <i>Applied Geochemistry</i> , 2015, 63, 248-260.	1.4	33
816	Changes in forest production, biomass and carbon: Results from the 2015 UN FAO Global Forest Resource Assessment. <i>Forest Ecology and Management</i> , 2015, 352, 21-34.	1.4	212
817	Spatial distributions of core and intact glycerol dialkyl glycerol tetraethers (GDGTs) in the Columbia River Basin and Willapa Bay, Washington: Insights into origin and implications for the BIT index. <i>Organic Geochemistry</i> , 2015, 88, 91-112.	0.9	5
818	Carbon cycle of an urban watershed: exports, sources, and metabolism. <i>Biogeochemistry</i> , 2015, 126, 173-195.	1.7	54
819	Sources of and processes controlling CO ₂ emissions change with the size of streams and rivers. <i>Nature Geoscience</i> , 2015, 8, 696-699.	5.4	430

#	ARTICLE	IF	CITATIONS
820	Spatial and Seasonal Variation in Surface Water pCO ₂ in the Ganges, Brahmaputra, and Meghna Rivers on the Indian Subcontinent. <i>Aquatic Geochemistry</i> , 2015, 21, 437-458.	1.5	18
821	Microbial methane cycling in the bed of a chalk river: oxidation has the potential to match methanogenesis enhanced by warming. <i>Freshwater Biology</i> , 2015, 60, 150-160.	1.2	69
822	Climatic variability, hydrologic anomaly, and methane emission can turn productive freshwater marshes into net carbon sources. <i>Global Change Biology</i> , 2015, 21, 1165-1181.	4.2	53
823	Riverbed methanotrophy sustained by high carbon conversion efficiency. <i>ISME Journal</i> , 2015, 9, 2304-2314.	4.4	32
824	Carbon accumulation and sequestration of lakes in China during the Holocene. <i>Global Change Biology</i> , 2015, 21, 4436-4448.	4.2	42
825	The role of gravel channel beds on the particle size and organic matter selectivity of transported fine-grained sediment: implications for sediment fingerprinting and biogeochemical flux research. <i>Journal of Soils and Sediments</i> , 2015, 15, 2174-2188.	1.5	33
826	Chromatographic methods for the isolation, separation and characterisation of dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1531-1567.	1.7	52
827	Influence of pH on fluorescent dissolved organic matter photo-degradation. <i>Water Research</i> , 2015, 85, 266-274.	5.3	82
828	A refined mapping of Arctic lakes using Landsat imagery. <i>International Journal of Remote Sensing</i> , 2015, 36, 5970-5982.	1.3	42
829	Development of a global ~90m water body map using multi-temporal Landsat images. <i>Remote Sensing of Environment</i> , 2015, 171, 337-351.	4.6	250
830	Carbon budgets of boreal lakes: state of knowledge, challenges, and implications. <i>Environmental Reviews</i> , 2015, 23, 275-287.	2.1	17
831	The contentious nature of soil organic matter. <i>Nature</i> , 2015, 528, 60-68.	13.7	2,418
832	Seasonal variation in sources and processing of particulate organic carbon in the Pearl River estuary, South China. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 167, 540-548.	0.9	73
833	Old carbon mobilized. <i>Nature Geoscience</i> , 2015, 8, 85-86.	5.4	8
834	Riverine DOM. , 2015, , 509-533.		95
835	Estimation of carbon sink fluxes in the Pearl River basin (China) based on a water-rock-gas-organism interaction model. <i>Environmental Earth Sciences</i> , 2015, 74, 945-952.	1.3	17
836	Significance of the carbon sink produced by H ₂ O-carbonate-CO ₂ aquatic phototroph interaction on land. <i>Science Bulletin</i> , 2015, 60, 182-191.	4.3	56
837	Integrating Landscape Carbon Cycling: Research Needs for Resolving Organic Carbon Budgets of Lakes. <i>Ecosystems</i> , 2015, 18, 363-375.	1.6	81

#	ARTICLE	IF	CITATIONS
838	Negative effects of stem and stump harvest and deep soil cultivation on the soil carbon and nitrogen pools are mitigated by enhanced tree growth. <i>Forest Ecology and Management</i> , 2015, 338, 57-67.	1.4	31
839	Examining the utility of satellite-based wind sheltering estimates for lake hydrodynamic modeling. <i>Remote Sensing of Environment</i> , 2015, 156, 551-560.	4.6	6
840	Fatty acid composition of <i>Cyclopoda</i> and <i>Copepoda</i> from lakes of contrasting temperature. <i>Freshwater Biology</i> , 2015, 60, 373-386.	1.2	37
841	Adaptation by macrophytes to inorganic carbon down a river with naturally variable concentrations of CO ₂ . <i>Journal of Plant Physiology</i> , 2015, 172, 120-127.	1.6	54
842	Effects of experimental warming, litter species, and presence of macroinvertebrates on litter decomposition and associated decomposers in a temperate mountain stream. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 206-216.	0.7	49
843	Temporal trends in organic carbon content in the main Swiss rivers, 1974–2010. <i>Science of the Total Environment</i> , 2015, 502, 206-217.	3.9	35
844	Shift in the chemical composition of dissolved organic matter in the Congo River network. <i>Biogeosciences</i> , 2016, 13, 5405-5420.	1.3	85
845	Along-stream transport and transformation of dissolved organic matter in a large tropical river. <i>Biogeosciences</i> , 2016, 13, 2727-2741.	1.3	66
846	Technical note: Assessing gas equilibration systems for continuous CO_2 measurements in inland waters. <i>Biogeosciences</i> , 2016, 13, 3915-3930.	1.3	23
847	Photochemical mineralisation in a boreal brown water lake: considerable temporal variability and minor contribution to carbon dioxide production. <i>Biogeosciences</i> , 2016, 13, 3931-3943.	1.3	26
848	Spatial and seasonal contrasts of sedimentary organic matter in floodplain lakes of the central Amazon basin. <i>Biogeosciences</i> , 2016, 13, 467-482.	1.3	10
849	Dissolved organic carbon lability and stable isotope shifts during microbial decomposition in a tropical river system. <i>Biogeosciences</i> , 2016, 13, 517-525.	1.3	13
850	Summer fluxes of methane and carbon dioxide from a pond and floating mat in a continental Canadian peatland. <i>Biogeosciences</i> , 2016, 13, 3777-3791.	1.3	10
851	Spatiotemporal Characterization of Chromophoric Dissolved Organic Matter (CDOM) and CDOM-DOC Relationships for Highly Polluted Rivers. <i>Water (Switzerland)</i> , 2016, 8, 399.	1.2	27
852	Fate of terrestrial organic carbon and associated CO_2 and CO emissions from two Southeast Asian estuaries. <i>Biogeosciences</i> , 2016, 13, 691-705.	1.3	23
853	Proximate and ultimate controls on carbon and nutrient dynamics of small agricultural catchments. <i>Biogeosciences</i> , 2016, 13, 1863-1875.	1.3	56
854	Variations in triple isotope composition of dissolved oxygen and primary production in a subtropical reservoir. <i>Biogeosciences</i> , 2016, 13, 6683-6698.	1.3	12
855	Influence of environmental factors on spectral characteristics of chromophoric dissolved organic matter (CDOM) in Inner Mongolia Plateau, China. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 787-801.	1.9	57

#	ARTICLE	IF	CITATIONS
856	Optical properties and bioavailability of dissolved organic matter along a flow-path continuum from soil pore waters to the Kolyma River mainstem, East Siberia. <i>Biogeosciences</i> , 2016, 13, 2279-2290.	1.3	54
857	Synthesis and Conclusions. , 2016, , 525-533.		2
858	Climate change increases riverine carbon outgassing, while export to the ocean remains uncertain. <i>Earth System Dynamics</i> , 2016, 7, 559-582.	2.7	7
859	Landscape and Regional Stream Ecology. , 2016, , 389-415.		1
860	The importance of freshwater systems to the net atmospheric exchange of carbon dioxide and methane with a rapidly changing high Arctic watershed. <i>Biogeosciences</i> , 2016, 13, 5849-5863.	1.3	25
861	Temperature dependence of the relationship between CO_2 and dissolved organic carbon in lakes. <i>Biogeosciences</i> , 2016, 13, 865-871.	1.3	17
862	Molecular Signatures of Biogeochemical Transformations in Dissolved Organic Matter from Ten World Rivers. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	96
863	Environmental Drivers of Dissolved Organic Matter Molecular Composition in the Delaware Estuary. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	65
864	The Incredible Lightness of Being Methane-Fueled: Stable Isotopes Reveal Alternative Energy Pathways in Aquatic Ecosystems and Beyond. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	56
865	Perspectives on the Terrestrial Organic Matter Transport and Burial along the Land-Deep Sea Continuum: Caveats in Our Understanding of Biogeochemical Processes and Future Needs. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	41
866	Coupling Between Heterotrophic Nanoflagellates and Bacteria in Fresh Waters: Does Latitude Make a Difference?. <i>Frontiers in Microbiology</i> , 2016, 7, 114.	1.5	15
867	High Primary Production Contrasts with Intense Carbon Emission in a Eutrophic Tropical Reservoir. <i>Frontiers in Microbiology</i> , 2016, 7, 717.	1.5	63
868	Feasibility of Small Wind Turbines in Ontario: Integrating Power Curves with Wind Trends. <i>Resources</i> , 2016, 5, 44.	1.6	1
869	Dynamic Water Surface Detection Algorithm Applied on PROBA-V Multispectral Data. <i>Remote Sensing</i> , 2016, 8, 1010.	1.8	10
870	Lake Metabolism: Comparison of Lake Metabolic Rates Estimated from a Diel CO_2 - and the Common Diel O_2 -Technique. <i>PLoS ONE</i> , 2016, 11, e0168393.	1.1	32
871	Carbon emission along a eutrophication gradient in temperate riverine wetlands: effect of primary productivity and plant community composition. <i>Freshwater Biology</i> , 2016, 61, 1405-1420.	1.2	22
872	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.	2.2	130
873	Greenhouse gas flux from headwater streams in New Hampshire, USA: Patterns and drivers. <i>Limnology and Oceanography</i> , 2016, 61, S165.	1.6	56

#	ARTICLE	IF	CITATIONS
874	Increase in benthic trophic reliance on methane in 14 French lakes during the Anthropocene. <i>Freshwater Biology</i> , 2016, 61, 1105-1118.	1.2	14
875	Leaky savannas: the significance of lateral carbon fluxes in the seasonal tropics. <i>Hydrological Processes</i> , 2016, 30, 873-887.	1.1	12
876	Large CO ₂ effluxes at night and during synoptic weather events significantly contribute to CO ₂ emissions from a reservoir. <i>Environmental Research Letters</i> , 2016, 11, 064001.	2.2	66
877	Controls on the sources and cycling of dissolved inorganic carbon in the Changjiang and Huanghe River estuaries, China: ¹⁴ C and ¹³ C studies. <i>Limnology and Oceanography</i> , 2016, 61, 1358-1374.	1.6	39
878	Chemoautotrophy and anoxygenic photosynthesis within the water column of a large meromictic tropical lake (Lake Kivu, East Africa). <i>Limnology and Oceanography</i> , 2016, 61, 1424-1437.	1.6	26
879	The importance of landscape diversity for carbon fluxes at the landscape level: small-scale heterogeneity matters. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016, 3, 601-617.	2.8	32
880	The ecology of methane in streams and rivers: patterns, controls, and global significance. <i>Ecological Monographs</i> , 2016, 86, 146-171.	2.4	360
881	Enhanced nighttime gas emissions from a lake. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 35, 012014.	0.2	3
882	Resource subsidies between stream and terrestrial ecosystems under global change. <i>Global Change Biology</i> , 2016, 22, 2489-2504.	4.2	119
883	Anthropogenic effects on bacterial diversity and function along a river-to-estuary gradient in Northwest Greece revealed by metagenomics. <i>Environmental Microbiology</i> , 2016, 18, 4640-4652.	1.8	58
884	Human activities cause distinct dissolved organic matter composition across freshwater ecosystems. <i>Global Change Biology</i> , 2016, 22, 613-626.	4.2	161
885	Comprehensive multiyear carbon budget of a temperate headwater stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1306-1315.	1.3	40
886	Asymmetrical competition between aquatic primary producers in a warmer and browner world. <i>Ecology</i> , 2016, 97, 2580-2592.	1.5	39
887	Microscale decoupling of sediment oxygen consumption and microbial biomass in an oligotrophic lake. <i>Freshwater Biology</i> , 2016, 61, 1477-1491.	1.2	0
888	Sediment, water column, and open-channel denitrification in rivers measured using membrane inlet mass spectrometry. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1258-1274.	1.3	69
889	The reactivity of plant-derived organic matter and the potential importance of priming effects along the lower Amazon River. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1522-1539.	1.3	94
890	Spatiotemporal patterns in methane flux and gas transfer velocity at low wind speeds: Implications for upscaling studies on small lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1456-1467.	1.3	31
891	Microbial diversity and community structure along a lake elevation gradient in ^{Yosemite National Park, California, USA} . <i>Environmental Microbiology</i> , 2016, 18, 1782-1791.	1.8	76

#	ARTICLE	IF	CITATIONS
892	Impacts of forestry planting on primary production in upland lakes from north-west Ireland. <i>Global Change Biology</i> , 2016, 22, 1490-1504.	4.2	7
893	Winter Limnology as a New Frontier. <i>Limnology and Oceanography Bulletin</i> , 2016, 25, 103-108.	0.2	46
894	On-farm gains and losses of soil organic carbon in terrestrial hydrological pathways: A review of empirical research. <i>International Soil and Water Conservation Research</i> , 2016, 4, 245-259.	3.0	23
895	Why monitor carbon in high-alpine streams?. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2016, 98, 237-245.	0.6	2
896	A century of human-driven changes in the carbon dioxide concentration of lakes. <i>Global Biogeochemical Cycles</i> , 2016, 30, 93-104.	1.9	46
897	Do invasive quagga mussels alter CO ₂ dynamics in the Laurentian Great Lakes?. <i>Scientific Reports</i> , 2016, 6, 39078.	1.6	12
898	Double-counting challenges the accuracy of high-latitude methane inventories. <i>Geophysical Research Letters</i> , 2016, 43, 12,569.	1.5	56
899	Hierarchical Bayesian method for mapping biogeochemical hot spots using induced polarization imaging. <i>Water Resources Research</i> , 2016, 52, 533-551.	1.7	36
900	Scaling relationships among drivers of aquatic respiration in temperate lakes: from the smallest to the largest freshwater ecosystems. <i>Inland Waters</i> , 2016, 6, 1-10.	1.1	2
901	Uniform carbon fluxes in shallow lakes in alternative stable states. <i>Limnology and Oceanography</i> , 2016, 61, 330-340.	1.6	17
902	Macrophyte landscape modulates lake ecosystem-level nitrogen losses through tightly coupled plant-microbe interactions. <i>Limnology and Oceanography</i> , 2016, 61, 78-88.	1.6	71
903	Carbon dynamics and their link to dissolved organic matter quality across contrasting stream ecosystems. <i>Science of the Total Environment</i> , 2016, 553, 574-586.	3.9	75
904	Simulating carbon dioxide exchange in boreal ecosystems flooded by reservoirs. <i>Ecological Modelling</i> , 2016, 327, 1-17.	1.2	11
905	Seasonal distribution and correlates of transparent exopolymer particles (TEP) in the waters surrounding mangroves in the Sundarbans. <i>Journal of Sea Research</i> , 2016, 112, 65-74.	0.6	12
906	Direct numerical simulation of gas transfer across the air-water interface driven by buoyant convection. <i>Journal of Fluid Mechanics</i> , 2016, 787, 508-540.	1.4	11
907	The mineralisation of dissolved organic matter recovered from temperate waterbodies during summer. <i>Aquatic Sciences</i> , 2016, 78, 447-462.	0.6	10
908	Export of Dissolved Methane and Carbon Dioxide with Effluents from Municipal Wastewater Treatment Plants. <i>Environmental Science & Technology</i> , 2016, 50, 5555-5563.	4.6	64
909	Assessing the Relative Importance of Nitrogen-Retention Processes in a Large Reservoir Using Time-Series Modeling. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2016, 21, 152-169.	0.7	6

#	ARTICLE	IF	CITATIONS
910	Greenhouse gas emissions from waste stabilisation ponds in Western Australia and Quebec (Canada). <i>Water Research</i> , 2016, 101, 64-74.	5.3	37
911	Organic carbon decomposition rates controlled by water retention time across inland waters. <i>Nature Geoscience</i> , 2016, 9, 501-504.	5.4	292
912	Spatiotemporal patterns in the export of dissolved organic carbon and chromophoric dissolved organic matter from a coastal, blackwater river. <i>Aquatic Sciences</i> , 2016, 78, 823-836.	0.6	12
913	Freshwater biota and rising pCO_2 ?. <i>Ecology Letters</i> , 2016, 19, 98-108.	3.0	126
914	Terrestrial and marine perspectives on modeling organic matter degradation pathways. <i>Global Change Biology</i> , 2016, 22, 121-136.	4.2	50
915	Carbon dioxide and methane supersaturation in lakes of semi-humid/semi-arid region, Northeastern China. <i>Atmospheric Environment</i> , 2016, 138, 65-73.	1.9	26
916	Characterization of bulk and chromophoric dissolved organic matter in the Laurentian Great Lakes during summer 2013. <i>Journal of Great Lakes Research</i> , 2016, 42, 789-801.	0.8	57
917	Roles of Terrestrial Carbon Subsidies to Aquatic Community Metabolism in Mountain Lake Ecosystems. <i>Structure and Function of Mountain Ecosystems in Japan</i> , 2016, , 115-144.	0.1	1
918	Spatial patterns and environmental controls of particulate organic carbon in surface waters in the conterminous United States. <i>Science of the Total Environment</i> , 2016, 554-555, 266-275.	3.9	18
919	Homogenization of detrital leachate in an old-growth coniferous forest, OR: DOC fluorescence signatures in soils undergoing long-term litter manipulations. <i>Plant and Soil</i> , 2016, 408, 133-148.	1.8	9
920	Large fractionations of C and H isotopes related to methane oxidation in Arctic lakes. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 141-155.	1.6	36
921	Classifying sedimentary organics:. <i>Progress in Physical Geography</i> , 2016, 40, 450-479.	1.4	6
922	Ice-covered Lake Onega: effects of radiation on convection and internal waves. <i>Hydrobiologia</i> , 2016, 780, 21-36.	1.0	39
923	Hydrologic and forest management controls on dissolved organic matter characteristics in headwater streams of old-growth forests in the Oregon Cascades. <i>Forest Ecology and Management</i> , 2016, 380, 11-22.	1.4	18
924	Carbon losses in terrestrial hydrological pathways in sugarcane cropping systems of Australia. <i>Journal of Soils and Water Conservation</i> , 2016, 71, 109A-113A.	0.8	4
925	Within-lake variability and environmental controls of sediment denitrification and associated N ₂ O production in a shallow eutrophic lake. <i>Ecological Engineering</i> , 2016, 97, 251-257.	1.6	22
926	New perspective for eco-hydrology model to constrain missing role of inland waters on boundless biogeochemical cycle in terrestrial-aquatic continuum. <i>Ecohydrology and Hydrobiology</i> , 2016, 16, 138-148.	1.0	17
927	Dissolved organic carbon content and characteristics in relation to carbon dioxide partial pressure across Poyang Lake wetlands and adjacent aquatic systems in the Changjiang basin. <i>Environmental Pollution</i> , 2016, 219, 714-723.	3.7	5

#	ARTICLE	IF	CITATIONS
928	The role of metabolism in modulating CO ₂ fluxes in boreal lakes. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1509-1525.	1.9	48
929	Impact of landscape disturbance on the quality of terrestrial sediment carbon in temperate streams. <i>Journal of Hydrology</i> , 2016, 540, 1030-1042.	2.3	9
930	DOM composition and transformation in boreal forest soils: The effects of temperature and organicâ€œhorizon decomposition state. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2727-2744.	1.3	77
931	Response of terrestrial carbon dynamics to snow cover change: A meta-analysis of experimental manipulation (II). <i>Soil Biology and Biochemistry</i> , 2016, 103, 388-393.	4.2	24
932	Chamber measurements of high CO ₂ emissions from a rainforest stream receiving old C-rich regional groundwater. <i>Biogeochemistry</i> , 2016, 130, 69-83.	1.7	6
933	Deconstructing Methane Emissions from a Small Northern European River: Hydrodynamics and Temperature as Key Drivers. <i>Environmental Science & Technology</i> , 2016, 50, 11680-11687.	4.6	37
934	Desiccation of sediments affects assimilate transport within aquatic plants and carbon transfer to microorganisms. <i>Plant Biology</i> , 2016, 18, 947-961.	1.8	2
935	CO ₂ evasion from a steep, high gradient stream network: importance of seasonal and diurnal variation in aquatic pCO ₂ and gas transfer. <i>Limnology and Oceanography</i> , 2016, 61, 1826-1838.	1.6	57
936	Spatially-explicit reconstruction of 100 years of forest land use and disturbance on a coastal British Columbia Douglas-fir-dominated landscape: Implications for future watershed-scale carbon stock recovery. <i>Applied Geography</i> , 2016, 74, 109-122.	1.7	9
937	Cost of riparian buffer zones: A comparison of hydrologically adapted site-specific riparian buffers with traditional fixed widths. <i>Water Resources Research</i> , 2016, 52, 1056-1069.	1.7	47
938	Greenhouse Gas Fluxes of a Shallow Lake in South-Central North Dakota, USA. <i>Wetlands</i> , 2016, 36, 779-787.	0.7	19
939	Enhanced carbon loss from anoxic lake sediment through diffusion of dissolved organic carbon. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1959-1977.	1.3	31
940	Using multi-tracer inference to move beyond single-catchment ecohydrology. <i>Earth-Science Reviews</i> , 2016, 160, 19-42.	4.0	142
941	Hydro-climatic forcing of dissolved organic carbon in two boreal lakes of Canada. <i>Science of the Total Environment</i> , 2016, 571, 50-58.	3.9	10
942	Trophic status of the largest freshwater lakes in the world. <i>Lakes and Reservoirs: Research and Management</i> , 2016, 21, 20-30.	0.6	7
943	Banking carbon: a review of organic carbon storage and physical factors influencing retention in floodplains and riparian ecosystems. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 38-60.	1.2	191
944	Organic carbon source tracing and DIC fertilization effect in the Pearl River: Insights from lipid biomarker and geochemical analysis. <i>Applied Geochemistry</i> , 2016, 73, 132-141.	1.4	52
945	Carbon fate in a large temperate human-impacted river system: Focus on benthic dynamics. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1086-1104.	1.9	24

#	ARTICLE	IF	CITATIONS
946	Controls on methane concentrations and fluxes in streams draining human-dominated landscapes. <i>Ecological Applications</i> , 2016, 26, 1581-1591.	1.8	48
947	Key ecological responses to nitrogen are altered by climate change. <i>Nature Climate Change</i> , 2016, 6, 836-843.	8.1	261
948	Dissolved organic carbon uptake in streams: A review and assessment of reach-scale measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2019-2029.	1.3	83
949	Response of organic carbon burial to trophic level changes in a shallow eutrophic lake in SE China. <i>Journal of Environmental Sciences</i> , 2016, 46, 220-228.	3.2	10
950	Century-long increasing trend and variability of dissolved organic carbon export from the Mississippi River basin driven by natural and anthropogenic forcing. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1288-1299.	1.9	53
951	Thermal alteration of water extractable organic matter in climosequence soils from the Sierra Nevada, California. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2877-2885.	1.3	29
952	Spatiotemporal distribution of bacterioplankton functional groups along a freshwater estuary to pelagic gradient in Lake Michigan. <i>Journal of Great Lakes Research</i> , 2016, 42, 1036-1048.	0.8	29
953	Surface shear stress dependence of gas transfer velocity parameterizations using $\langle \text{scp} \rangle \text{DNS} \langle / \text{scp} \rangle$. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7369-7389.	1.0	7
954	Substance and energy flows formed by the emergence of amphibiotic insects across the water-air boundary on the floodplain lakes of the Volga River. <i>Contemporary Problems of Ecology</i> , 2016, 9, 407-420.	0.3	5
955	Decoupling of carbon dioxide and dissolved organic carbon in boreal headwater streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2630-2651.	1.3	49
956	Hydrological changes of DOM composition and biodegradability of rivers in temperate monsoon climates. <i>Journal of Hydrology</i> , 2016, 540, 538-548.	2.3	47
958	Linking optical properties of dissolved organic matter to multiple processes at the coastal plume zone in the East China Sea. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1316-1324.	1.7	6
959	Effect of evapotranspiration on dissolved inorganic carbon and stable carbon isotopic evolution in rivers in semi-arid climates: The Okavango Delta in North West Botswana. <i>Journal of Hydrology: Regional Studies</i> , 2016, 7, 1-13.	1.0	12
960	On the methane paradox: Transport from shallow water zones rather than in situ methanogenesis is the major source of CH_4 in the open surface water of lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2717-2726.	1.3	66
961	Methane dynamics downstream of a temperate runoff river reservoir. <i>Limnology and Oceanography</i> , 2016, 61, S188.	1.6	16
962	Aquatic Ecosystems. <i>Ecological Studies</i> , 2016, , 119-148.	0.4	25
963	Methodological approach for the collection and simultaneous estimation of greenhouse gases emission from aquaculture ponds. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 671.	1.3	9
964	Low contribution of internal metabolism to carbon dioxide emissions along lotic and lentic environments of a Mediterranean fluvial network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 3030-3044.	1.3	20

#	ARTICLE	IF	CITATIONS
965	Long-Path Quantum Cascade Laser-Based Sensor for Methane Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 2373-2384.	0.5	19
966	Current Browning of Surface Waters Will Be Further Promoted by Wetter Climate. <i>Environmental Science and Technology Letters</i> , 2016, 3, 430-435.	3.9	257
967	Dissolved Organic Matter in Stream Ecosystems. , 2016, , 241-320.		22
968	The influence of an in-network lake on the timing, form, and magnitude of downstream dissolved organic carbon and nutrient flux. <i>Water Resources Research</i> , 2016, 52, 8668-8684.	1.7	14
969	From greening to browning: Catchment vegetation development and reduced S-deposition promote organic carbon load on decadal time scales in Nordic lakes. <i>Scientific Reports</i> , 2016, 6, 31944.	1.6	150
970	Planktonic protistan communities in lakes along a large-scale environmental gradient. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw231.	1.3	28
971	Variation of organic matter quantity and quality in streams at Critical Zone Observatory watersheds. <i>Water Resources Research</i> , 2016, 52, 8202-8216.	1.7	21
972	An evaluation of gas transfer velocity parameterizations during natural convection using <sc>DNS</sc>. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1400-1423.	1.0	12
973	The role of water treatment abstraction in the flux and greenhouse gas emissions from organic carbon and nitrogen within UK rivers. <i>Water Resources Research</i> , 2016, 52, 8190-8201.	1.7	9
974	Enhanced greenhouse gas emission from exposed sediments along a hydroelectric reservoir during an extreme drought event. <i>Environmental Research Letters</i> , 2016, 11, 124003.	2.2	36
975	Microbial carbon processing along a river discontinuum. <i>Freshwater Science</i> , 2016, 35, 1133-1147.	0.9	14
976	Carbon flows in eutrophic Lake Rotsee: a ¹³ C-labelling experiment. <i>Biogeochemistry</i> , 2016, 131, 147-162.	1.7	6
977	Processes affecting molecular and stable isotope compositions of sediment gas in estuarine waters along the southern Baltic coast (Poland). <i>Biogeochemistry</i> , 2016, 131, 203-228.	1.7	2
978	Seasonality of photochemical dissolved organic carbon mineralization and its relative contribution to pelagic CO ₂ production in northern lakes. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2016, 121, 864-878.	1.3	50
979	Deposition and fate of organic carbon in floodplains along a tropical semiarid lowland river (Tana) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	24
980	Effects of compositional changes on reactivity continuum and decomposition kinetics of lake dissolved organic matter. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2016, 121, 1733-1746.	1.3	43
981	Benthic dissolved organic carbon fluxes in a drinking water reservoir. <i>Limnology and Oceanography</i> , 2016, 61, 445-459.	1.6	29
982	Quantifying emissions of methane derived from anaerobic organic matter respiration and natural gas extraction in Lake Erie. <i>Limnology and Oceanography</i> , 2016, 61, S356.	1.6	32

#	ARTICLE	IF	CITATIONS
983	Terrestrial-aquatic linkage in stream food webs along a forest chronosequence: multi-isotopic evidence. <i>Ecology</i> , 2016, 97, 1146-1158.	1.5	19
984	Improved Method for the Quantification of Methane Concentrations in Unconsolidated Lake Sediments. <i>Environmental Science & Technology</i> , 2016, 50, 7047-7055.	4.6	11
985	Regional Variability and Drivers of Below Ice CO ₂ in Boreal and Subarctic Lakes. <i>Ecosystems</i> , 2016, 19, 461-476.	1.6	28
986	Transformations in DOC along a source to sea continuum; impacts of photo-degradation, biological processes and mixing. <i>Aquatic Sciences</i> , 2016, 78, 433-446.	0.6	41
987	Controls on the processing and fate of terrestrially-derived organic carbon in aquatic ecosystems: synthesis of special issue. <i>Aquatic Sciences</i> , 2016, 78, 415-418.	0.6	10
988	Aquatic DOC export from subarctic Atlantic blanket bog in Norway is controlled by seasalt deposition, temperature and precipitation. <i>Biogeochemistry</i> , 2016, 127, 305-321.	1.7	27
989	Predicting the export and concentrations of organic carbon, nitrogen and phosphorus in boreal lakes by catchment characteristics and land use: A practical approach. <i>Ambio</i> , 2016, 45, 933-945.	2.8	29
990	Heat-Wave Effects on Oxygen, Nutrients, and Phytoplankton Can Alter Global Warming Potential of Gases Emitted from a Small Shallow Lake. <i>Environmental Science & Technology</i> , 2016, 50, 6267-6275.	4.6	43
991	Horizontal differences in ecosystem metabolism of a large shallow lake. <i>Journal of Hydrology</i> , 2016, 535, 93-100.	2.3	10
992	Magnitude, form and bioavailability of fluvial carbon exports from Irish organic soils under pasture. <i>Aquatic Sciences</i> , 2016, 78, 541-560.	0.6	9
993	Patterns in the percent sediment organic matter of arctic lakes. <i>Hydrobiologia</i> , 2016, 777, 149-160.	1.0	6
994	Water and (bio)chemical cycling in gravel pit lakes: A review and outlook. <i>Earth-Science Reviews</i> , 2016, 159, 247-270.	4.0	48
995	Constitution of a catchment virtual observatory for sharing flow and transport models outputs. <i>Journal of Hydrology</i> , 2016, 543, 59-66.	2.3	14
996	Physical conditions driving the spatial and temporal variability in aquatic metabolism of a subtropical coastal lake. <i>Limnologia</i> , 2016, 58, 30-40.	0.7	21
997	Photochemical reactivities of dissolved organic matter (DOM) in a sub-alpine lake revealed by EEM-PARAFAC: An insight into the fate of allochthonous DOM in alpine lakes affected by climate change. <i>Science of the Total Environment</i> , 2016, 568, 216-225.	3.9	85
998	Long-term trends (1975-2014) in the concentrations and export of carbon from Finnish rivers to the Baltic Sea: organic and inorganic components compared. <i>Aquatic Sciences</i> , 2016, 78, 505-523.	0.6	42
999	Carbon dioxide outgassing from Amazonian aquatic ecosystems in the Negro River basin. <i>Biogeochemistry</i> , 2016, 129, 77-91.	1.7	22
1000	Carbon pools in stream-riparian corridors: legacy of disturbance along mountain streams of south-eastern Wyoming. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 208-223.	1.2	12

#	ARTICLE	IF	CITATIONS
1001	Automated, in situ measurements of dissolved CO ₂ , CH ₄ , and $\delta^{13}C$ values using cavity enhanced laser absorption spectrometry: Comparing response times of air-water equilibrators. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 323-337.	1.0	57
1002	Aquatic carbon cycling in the conterminous United States and implications for terrestrial carbon accounting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 58-63.	3.3	175
1003	Spatial distributions of small water body types in modified landscapes: lessons from Indiana, USA. <i>Ecohydrology</i> , 2016, 9, 122-137.	1.1	13
1004	A rapid method to collect methane from peatland streams for radiocarbon analysis. <i>Ecohydrology</i> , 2016, 9, 113-121.	1.1	18
1005	Sub-daily rates of degradation of fluvial carbon from a peat headwater stream. <i>Aquatic Sciences</i> , 2016, 78, 419-431.	0.6	15
1006	The spatiotemporal distribution of dissolved carbon in the main stems and their tributaries along the lower reaches of Heilongjiang River Basin, Northeast China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 206-219.	2.7	8
1007	Spatial and seasonal variations in the composition of dissolved organic matter in a tropical catchment: the Lower Kinabatangan River, Sabah, Malaysia. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 137-150.	1.7	17
1008	Reactivity of dissolved organic matter in response to acid deposition. <i>Aquatic Sciences</i> , 2016, 78, 463-475.	0.6	9
1009	Hydrology controls dissolved organic matter export and composition in an Alpine stream and its hyporheic zone. <i>Limnology and Oceanography</i> , 2016, 61, 558-571.	1.6	106
1010	Long-term perspectives on terrestrial and aquatic carbon cycling from palaeolimnology. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016, 3, 211-234.	2.8	27
1011	The importance of litter traits and decomposers for litter decomposition: a comparison of aquatic and terrestrial ecosystems within and across biomes. <i>Functional Ecology</i> , 2016, 30, 819-829.	1.7	190
1012	Increases in humic and bioavailable dissolved organic matter in a forested New England headwater stream with increasing discharge. <i>Marine and Freshwater Research</i> , 2016, 67, 1279.	0.7	26
1013	Rates of CO ₂ efflux and changes in DOC concentration resulting from the addition of POC to the fluvial system in peatlands. <i>Aquatic Sciences</i> , 2016, 78, 477-489.	0.6	10
1014	Major changes in CO ₂ efflux when shallow lakes shift from a turbid to a clear water state. <i>Hydrobiologia</i> , 2016, 778, 33-44.	1.0	22
1015	Using a Gaussian decomposition approach to model absorption spectra of chromophoric dissolved organic matter. <i>Marine Chemistry</i> , 2016, 180, 24-32.	0.9	41
1016	Identification of the nutritional resources of larval sea lamprey in two Great Lakes tributaries using stable isotopes. <i>Journal of Great Lakes Research</i> , 2016, 42, 99-107.	0.8	14
1017	Carbon cycling and exports over diel and flood-recovery timescales in a subtropical rainforest headwater stream. <i>Science of the Total Environment</i> , 2016, 550, 645-657.	3.9	30
1018	Role of a productive lake in carbon sequestration within a calcareous catchment. <i>Science of the Total Environment</i> , 2016, 550, 225-230.	3.9	42

#	ARTICLE	IF	CITATIONS
1019	Bacterial production and their role in the removal of dissolved organic matter from tributaries of drinking water reservoirs. <i>Science of the Total Environment</i> , 2016, 548-549, 51-59.	3.9	16
1020	Large contribution to inland water CO ₂ and CH ₄ emissions from very small ponds. <i>Nature Geoscience</i> , 2016, 9, 222-226.	5.4	565
1021	Nutrients and carbon in some Mediterranean dune ponds. <i>Hydrobiologia</i> , 2016, 782, 97-109.	1.0	6
1022	Complete and Partial Photo-oxidation of Dissolved Organic Matter Draining Permafrost Soils. <i>Environmental Science & Technology</i> , 2016, 50, 3545-3553.	4.6	140
1023	Water level changes affect carbon turnover and microbial community composition in lake sediments. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv035.	1.3	39
1024	Molecular, behavioral, and performance responses of juvenile largemouth bass acclimated to an elevated carbon dioxide environment. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 297-311.	0.7	17
1025	Influence of hydrological, biogeochemical and temperature transients on subsurface carbon fluxes in a flood plain environment. <i>Biogeochemistry</i> , 2016, 127, 367-396.	1.7	76
1026	Floating Aquatic Macrophytes Can Substantially Offset Open Water CO ₂ Emissions from Tropical Floodplain Lake Ecosystems. <i>Ecosystems</i> , 2016, 19, 724-736.	1.6	25
1027	Modeling total particulate organic carbon (POC) flows in the Baltic Sea catchment. <i>Biogeochemistry</i> , 2016, 128, 51-65.	1.7	4
1028	Different hydrodynamic conditions on the deposition of organic carbon in sediment of two reservoirs. <i>Hydrobiologia</i> , 2016, 765, 15-26.	1.0	16
1029	Assessment of wind energy potential over Ontario and Great Lakes using the NARR data: 1980-2012. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 272-282.	8.2	24
1030	Chloroflexi CL500-11 Populations That Predominate Deep-Lake Hypolimnion Bacterioplankton Rely on Nitrogen-Rich Dissolved Organic Matter Metabolism and C ₁ Compound Oxidation. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1423-1432.	1.4	57
1031	Identifying DOC gains and losses during a 20-year record in the Trout Beck catchment, Moor House, UK. <i>Ecological Indicators</i> , 2016, 68, 102-114.	2.6	8
1032	Erosion, deposition and soil carbon: A review of process-level controls, experimental tools and models to address C cycling in dynamic landscapes. <i>Earth-Science Reviews</i> , 2016, 154, 102-122.	4.0	363
1033	Drought-induced discontinuities in the source and degradation of dissolved organic matter in a Mediterranean river. <i>Biogeochemistry</i> , 2016, 127, 125-139.	1.7	36
1034	Suspended sediment, carbon and nitrogen transport in a regulated Pyrenean river. <i>Science of the Total Environment</i> , 2016, 540, 133-143.	3.9	20
1035	Microbial assemblages for environmental quality assessment: Knowledge, gaps and usefulness in the European Marine Strategy Framework Directive. <i>Critical Reviews in Microbiology</i> , 2016, 42, 883-904.	2.7	61
1036	Air-water CO ₂ outgassing in the Lower Lakes (Alexandrina and Albert, Australia) following a millennium drought. <i>Science of the Total Environment</i> , 2016, 542, 453-468.	3.9	20

#	ARTICLE	IF	CITATIONS
1037	Source-to-sink sedimentary systems and global carbon burial: A river runs through it. <i>Earth-Science Reviews</i> , 2016, 153, 30-42.	4.0	113
1038	Carbon, nitrogen, phosphorus, and sediment sources and retention in a small eutrophic tropical reservoir. <i>Aquatic Sciences</i> , 2016, 78, 171-189.	0.6	33
1039	Tracking the monthly changes of dissolved organic matter composition in a newly constructed reservoir and its tributaries during the initial impounding period. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1274-1283.	2.7	33
1040	Experimental insights into the importance of aquatic bacterial community composition to the degradation of dissolved organic matter. <i>ISME Journal</i> , 2016, 10, 533-545.	4.4	418
1041	Sediment size distribution and composition in a reservoir affected by severe water level fluctuations. <i>Science of the Total Environment</i> , 2016, 540, 158-167.	3.9	37
1042	Hydrological and biogeochemical controls on watershed dissolved organic matter transport: pulse-shunt concept. <i>Ecology</i> , 2016, 97, 5-16.	1.5	401
1043	A global, high-resolution (30-m) inland water body dataset for 2000: first results of a topographic spectral classification algorithm. <i>International Journal of Digital Earth</i> , 2016, 9, 113-133.	1.6	238
1044	SIPCO2: A simple, inexpensive surface water pCO ₂ sensor. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 291-301.	1.0	16
1045	Stabilization of benthic algal biomass in a temperate stream draining agroecosystems. <i>Water Research</i> , 2017, 108, 432-443.	5.3	9
1046	Biotic and abiotic controls on CO ₂ partial pressure and CO ₂ emission in the Tigris River, Turkey. <i>Chemical Geology</i> , 2017, 449, 182-193.	1.4	25
1047	Changes in CO ₂ dynamics related to rainfall and water level variations in a subtropical lake. <i>Hydrobiologia</i> , 2017, 794, 109-123.	1.0	20
1048	The effects of elevated atmospheric CO ₂ on freshwater periphyton in a temperate stream. <i>Hydrobiologia</i> , 2017, 794, 333-346.	1.0	1
1049	A tale of pipes and reactors: Controls on the in-stream dynamics of dissolved organic matter in rivers. <i>Limnology and Oceanography</i> , 2017, 62, S85.	1.6	82
1050	Land use controls stream ecosystem metabolism by shifting dissolved organic matter and nutrient regimes. <i>Freshwater Biology</i> , 2017, 62, 582-599.	1.2	55
1051	A method for the assessment of long-term changes in carbon stock by construction of a hydropower reservoir. <i>Ambio</i> , 2017, 46, 566-577.	2.8	8
1052	Abundant carbon substrates drive extremely high sulfate reduction rates and methane fluxes in Prairie Pothole Wetlands. <i>Global Change Biology</i> , 2017, 23, 3107-3120.	4.2	64
1053	Methane storage and ebullition in monimolimnetic waters of polluted mine pit lake Vollert-Sued, Germany. <i>Science of the Total Environment</i> , 2017, 584-585, 1-10.	3.9	20
1054	Warmer nighttime temperature promotes microbial heterotrophic activity and modifies stream sediment community. <i>Global Change Biology</i> , 2017, 23, 3825-3837.	4.2	35

#	ARTICLE	IF	CITATIONS
1055	Metagenome Sequencing of Prokaryotic Microbiota Collected from Rivers in the Upper Amazon Basin. <i>Genome Announcements</i> , 2017, 5, .	0.8	29
1056	Long-term warming amplifies shifts in the carbon cycle of experimental ponds. <i>Nature Climate Change</i> , 2017, 7, 209-213.	8.1	66
1057	Delving deeper: Metabolic processes in the metalimnion of stratified lakes. <i>Limnology and Oceanography</i> , 2017, 62, 1288-1306.	1.6	40
1058	Precipitation and air temperature control the variations of dissolved organic matter along an altitudinal forest gradient, Gongga Mountains, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10391-10400.	2.7	15
1059	<i>p</i> CO ₂ and CO ₂ fluxes of the metropolitan river network in relation to the urbanization of Chongqing, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 470-486.	1.3	71
1060	Linking the mobilization of dissolved organic matter in catchments and its removal in drinking water treatment to its molecular characteristics. <i>Water Research</i> , 2017, 113, 149-159.	5.3	42
1061	Aerosol Deposition Impacts on Land and Ocean Carbon Cycles. <i>Current Climate Change Reports</i> , 2017, 3, 16-31.	2.8	103
1062	Land-based salmon aquacultures change the quality and bacterial degradation of riverine dissolved organic matter. <i>Scientific Reports</i> , 2017, 7, 43739.	1.6	36
1063	Human-accelerated weathering increases salinization, major ions, and alkalization in fresh water across land use. <i>Applied Geochemistry</i> , 2017, 83, 121-135.	1.4	147
1064	Development of an advanced eco-hydrologic and biogeochemical coupling model aimed at clarifying the missing role of inland water in the global biogeochemical cycle. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 966-988.	1.3	25
1065	Sediment carbon fate in phreatic karst (Part 1): Conceptual model development. <i>Journal of Hydrology</i> , 2017, 549, 179-193.	2.3	22
1066	Tracing Aquatic Priming Effect During Microbial Decomposition of Terrestrial Dissolved Organic Carbon in Chemostat Experiments. <i>Microbial Ecology</i> , 2017, 74, 534-549.	1.4	18
1067	The historical dependency of organic carbon burial efficiency. <i>Limnology and Oceanography</i> , 2017, 62, 1480-1497.	1.6	27
1068	Preferential sequestration of terrestrial organic matter in boreal lake sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 863-874.	1.3	53
1069	Modeling rates of DOC degradation using DOM composition and hydroclimatic variables. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1175-1191.	1.3	19
1070	Dynamics of dissolved organic matter in riverine sediments affected by weir impoundments: Production, benthic flux, and environmental implications. <i>Water Research</i> , 2017, 121, 150-161.	5.3	75
1071	Scaled-dependence and seasonal variations of carbon cycle through development of an advanced eco-hydrologic and biogeochemical coupling model. <i>Ecological Modelling</i> , 2017, 356, 151-161.	1.2	15
1072	Riverine carbon fluxes to the South China Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1239-1259.	1.3	38

#	ARTICLE	IF	CITATIONS
1073	Agricultural influences on the magnitude of stream metabolism in humid tropical headwater streams. <i>Hydrobiologia</i> , 2017, 799, 49-64.	1.0	7
1074	Spatial and temporal variations of particulate organic matter from Moselle River and tributaries: A multimolecular investigation. <i>Organic Geochemistry</i> , 2017, 110, 45-56.	0.9	17
1075	Spatio-temporal patterns of stream methane and carbon dioxide emissions in a hemiboreal catchment in Southwest Sweden. <i>Scientific Reports</i> , 2017, 7, 39729.	1.6	58
1076	Microbial Food-Web Drivers in Tropical Reservoirs. <i>Microbial Ecology</i> , 2017, 73, 505-520.	1.4	31
1077	Bacterial community composition and carbon metabolism in a subtropical riverscape. <i>Hydrobiologia</i> , 2017, 792, 209-226.	1.0	11
1078	Modeling Allochthonous Dissolved Organic Carbon Mineralization Under Variable Hydrologic Regimes in Boreal Lakes. <i>Ecosystems</i> , 2017, 20, 781-795.	1.6	60
1079	CO ₂ -driven experimental acidification effects on aquatic macroinvertebrates in a tropical stream. <i>Journal of Freshwater Ecology</i> , 2017, 32, 199-208.	0.5	2
1080	Riverine CO ₂ emissions in the Wuding River catchment on the Loess Plateau: Environmental controls and dam impoundment impact. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1439-1455.	1.3	46
1081	Global perturbation of organic carbon cycling by river damming. <i>Nature Communications</i> , 2017, 8, 15347.	5.8	246
1082	Bacterial processes and biogeochemical changes in the water body of kettle holes - mainly driven by autochthonous organic matter?. <i>Aquatic Sciences</i> , 2017, 79, 675-687.	0.6	11
1083	Air-water CO ₂ and CH ₄ fluxes along a river-reservoir continuum: Case study in the Pengxi River, a tributary of the Yangtze River in the Three Gorges Reservoir, China. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 223.	1.3	30
1084	Effects of ship-induced waves on aquatic ecosystems. <i>Science of the Total Environment</i> , 2017, 601-602, 926-939.	3.9	59
1085	Variation of Bacterial Metabolic Rates and Organic Matter in the Monsoon-Affected Tropical Estuary (Godavari, India). <i>Geomicrobiology Journal</i> , 2017, 34, 628-640.	1.0	8
1086	A Numerical Case Study of the Implications of Secondary Circulations to the Interpretation of Eddy-Covariance Measurements Over Small Lakes. <i>Boundary-Layer Meteorology</i> , 2017, 165, 311-332.	1.2	24
1087	Estimates of GHG emissions by hydroelectric reservoirs: The Brazilian case. <i>Energy</i> , 2017, 133, 99-107.	4.5	33
1088	Quality and reactivity of dissolved organic matter in a Mediterranean river across hydrological and spatial gradients. <i>Science of the Total Environment</i> , 2017, 599-600, 1802-1812.	3.9	47
1089	Evaluation of CDOM sources and their links with water quality in the lakes of Northeast China using fluorescence spectroscopy. <i>Journal of Hydrology</i> , 2017, 550, 80-91.	2.3	47
1090	A review of CO ₂ and associated carbon dynamics in headwater streams: A global perspective. <i>Reviews of Geophysics</i> , 2017, 55, 560-585.	9.0	198

#	ARTICLE	IF	CITATIONS
1091	Colonization Habitat Controls Biomass, Composition, and Metabolic Activity of Attached Microbial Communities in the Columbia River Hyporheic Corridor. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	20
1092	Key differences between lakes and reservoirs modify climate signals: A case for a new conceptual model. <i>Limnology and Oceanography Letters</i> , 2017, 2, 47-62.	1.6	116
1093	Tracking climate change in oligotrophic mountain lakes: Recent hydrology and productivity synergies in Lago de Sanabria (NW Iberian Peninsula). <i>Science of the Total Environment</i> , 2017, 590-591, 579-591.	3.9	5
1094	Sequential bioavailability of sedimentary organic matter to heterotrophic bacteria. <i>Environmental Microbiology</i> , 2017, 19, 2629-2644.	1.8	39
1095	Organic carbon burial in Chinese lakes over the past 150 years. <i>Quaternary International</i> , 2017, 438, 94-103.	0.7	40
1096	The Modern Carbon Cycle. , 2017, , 163-225.		0
1097	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
1098	The role of reactive oxygen species in the degradation of lignin derived dissolved organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 171-184.	1.6	91
1099	Identification of di- and triterpenoid lipid tracers confirms the significant role of autoxidation in the degradation of terrestrial vascular plant material in the Canadian Arctic. <i>Organic Geochemistry</i> , 2017, 108, 43-50.	0.9	15
1100	Old before your time: Ancient carbon incorporation in contemporary aquatic foodwebs. <i>Limnology and Oceanography</i> , 2017, 62, 1682-1700.	1.6	45
1101	Fate of river-transported carbon in china: implications for carbon cycling in coastal ecosystems. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	1.5	12
1102	Evolution of particulate organic matter (POM) along a headwater drainage: role of sources, particle size class, and storm magnitude. <i>Biogeochemistry</i> , 2017, 133, 181-200.	1.7	25
1103	Human impact on long-term organic carbon export to rivers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 947-965.	1.3	37
1104	Quantifying tropical peatland dissolved organic carbon (DOC) using UV-visible spectroscopy. <i>Water Research</i> , 2017, 115, 229-235.	5.3	35
1105	Shifts in the carbon dynamics in a tropical lowland river system (Tana River, Kenya) during flooded and non-flooded conditions. <i>Biogeochemistry</i> , 2017, 132, 141-163.	1.7	19
1106	Carbon dynamics of river corridors and the effects of human alterations. <i>Ecological Monographs</i> , 2017, 87, 379-409.	2.4	86
1107	Coupled control of land uses and aquatic biological processes on the diurnal hydrochemical variations in the five ponds at the Shawan Karst Test Site, China: Implications for the carbonate weathering-related carbon sink. <i>Chemical Geology</i> , 2017, 456, 58-71.	1.4	35
1108	Influence of hydrological pathways on dissolved organic carbon fluxes in tropical streams. <i>Ecology and Evolution</i> , 2017, 7, 228-239.	0.8	20

#	ARTICLE	IF	CITATIONS
1109	Variations in lignin-derived phenols in sediments of Japanese lakes over the last century and their relation to watershed vegetation. <i>Organic Geochemistry</i> , 2017, 103, 125-135.	0.9	9
1110	Reservoirs as hotspots of fluvial carbon cycling in peatland catchments. <i>Science of the Total Environment</i> , 2017, 580, 398-411.	3.9	6
1111	CO ₂ Outgassing from Spring Waters. <i>Aquatic Geochemistry</i> , 2017, 23, 53-60.	1.5	6
1112	Biodegradation kinetics of dissolved organic matter chromatographic fractions in an intermittent river. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 131-144.	1.3	50
1113	Deciphering long-term records of natural variability and human impact as recorded in lake sediments: a palaeolimnological puzzle. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1195.	2.8	56
1114	In-stream metabolism and atmospheric carbon sequestration in a groundwater-fed karst stream. <i>Science of the Total Environment</i> , 2017, 579, 1343-1355.	3.9	48
1115	Phytoplankton and Periphyton Primary Production in Clear and Turbid Shallow Lakes: Influence of the Light Environment on the Interactions between these Communities. <i>Wetlands</i> , 2017, 37, 67-77.	0.7	12
1116	Fungal-bacterial dynamics and their contribution to terrigenous carbon turnover in relation to organic matter quality. <i>ISME Journal</i> , 2017, 11, 415-425.	4.4	118
1117	Holocene carbon dynamics at the forest-steppe ecotone of southern Siberia. <i>Global Change Biology</i> , 2017, 23, 1942-1960.	4.2	15
1118	Spatiotemporal variability of lake pCO ₂ and CO ₂ fluxes in a hemiboreal catchment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 30-49.	1.3	54
1119	Inferring Past Trends in Lake Water Organic Carbon Concentrations in Northern Lakes Using Sediment Spectroscopy. <i>Environmental Science & Technology</i> , 2017, 51, 13248-13255.	4.6	28
1120	Gravel bars are sites of increased CO ₂ outgassing in stream corridors. <i>Scientific Reports</i> , 2017, 7, 14401.	1.6	16
1121	Negligible contribution of reservoir dams to organic and inorganic transport in the lower Mimi River, Japan. <i>Journal of Hydrology</i> , 2017, 555, 288-297.	2.3	8
1122	The One-Sample PARAFAC Approach Reveals Molecular Size Distributions of Fluorescent Components in Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2017, 51, 11900-11908.	4.6	113
1123	Organic matter distribution and retention along transects from hilltop to kettle hole within an agricultural landscape. <i>Biogeochemistry</i> , 2017, 136, 47-70.	1.7	24
1124	Carbon dioxide emissions from lakes and reservoirs of China: A regional estimate based on the calculated pCO ₂ . <i>Atmospheric Environment</i> , 2017, 170, 71-81.	1.9	53
1125	Scaling of dissolved organic carbon removal in river networks. <i>Advances in Water Resources</i> , 2017, 110, 136-146.	1.7	62
1126	Headwaters to oceans: Ecological and biogeochemical contrasts across the aquatic continuum. <i>Limnology and Oceanography</i> , 2017, 62, S3.	1.6	55

#	ARTICLE	IF	CITATIONS
1127	Variability in organic carbon reactivity across lake residence time and trophic gradients. <i>Nature Geoscience</i> , 2017, 10, 832-835.	5.4	114
1128	Investigating extracellular polymeric substances from microbial mat upon exposure to sunlight. <i>Polymer Degradation and Stability</i> , 2017, 146, 192-200.	2.7	9
1129	Air-water CO ₂ flux in an algae bloom year for Lake Hongfeng, Southwest China: implications for the carbon cycle of global inland waters. <i>Acta Geochimica</i> , 2017, 36, 658-666.	0.7	4
1130	Large Uncertainty in Estimating ρ CO ₂ From Carbonate Equilibria in Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2909-2924.	1.3	39
1131	Patterns in stream greenhouse gas dynamics from mountains to plains in northcentral Wyoming. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2173-2190.	1.3	13
1132	Aspects and prospects of algal carbon capture and sequestration in ecosystems: a review. <i>Chemistry and Ecology</i> , 2017, 33, 695-707.	0.6	5
1133	CO ₂ Outgassing from an Urbanized River System Fueled by Wastewater Treatment Plant Effluents. <i>Environmental Science & Technology</i> , 2017, 51, 10459-10467.	4.6	51
1134	Spatial variability of CO ₂ concentrations and biogeochemistry in the Lower Columbia River. <i>Inland Waters</i> , 2017, 7, 417-427.	1.1	3
1135	Vertical distribution of organic compounds in the bottom sediments of two steppe lakes in Southern Siberia. <i>Water Resources</i> , 2017, 44, 774-783.	0.3	3
1136	Fluvial organic carbon composition and concentration variability within a peatland catchment—Implications for carbon cycling and water treatment. <i>Hydrological Processes</i> , 2017, 31, 4183-4194.	1.1	6
1137	Modeling CO ₂ emissions from Arctic lakes: Model development and site-level study. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2190-2213.	1.3	38
1138	Spectral signature of suspended fine particulate material on light absorption properties of CDOM. <i>Marine Chemistry</i> , 2017, 196, 98-106.	0.9	10
1139	A high-resolution carbon balance in a small temperate catchment: Insights from the Schwabach River, Germany. <i>Applied Geochemistry</i> , 2017, 85, 86-96.	1.4	20
1140	Selectivity of solid phase extraction for dissolved organic matter in the hypersaline Da Qaidam Lake, China. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1374-1386.	1.7	8
1141	Deep carbon storage potential of buried floodplain soils. <i>Scientific Reports</i> , 2017, 7, 8181.	1.6	32
1142	Factors controlling the stable isotope composition and C:N ratio of seston and periphyton in shallow lake mesocosms with contrasting nutrient loadings and temperatures. <i>Freshwater Biology</i> , 2017, 62, 1596-1613.	1.2	14
1143	River sequesters atmospheric carbon and limits the CO ₂ degassing in karst area, southwest China. <i>Science of the Total Environment</i> , 2017, 609, 92-101.	3.9	37
1144	Fluorescent Molecular Probes for Detection of One-Electron Oxidants Photochemically Generated by Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2017, 51, 9033-9041.	4.6	11

#	ARTICLE	IF	CITATIONS
1145	Nutritional support of inland aquatic food webs by aged carbon and organic matter. <i>Limnology and Oceanography Letters</i> , 2017, 2, 131-149.	1.6	17
1146	Interacting environmental and chemical stresses under global change in temperate aquatic ecosystems: stress responses, adaptation, and scaling. <i>Regional Environmental Change</i> , 2017, 17, 2061-2077.	1.4	26
1147	Response of sedimentary organic matter source to rainfall events using stable carbon and nitrogen isotopes in a typical loess hilly-gully catchment of China. <i>Journal of Hydrology</i> , 2017, 552, 376-386.	2.3	23
1148	Global distribution of dissolved organic matter along the aquatic continuum: Across rivers, lakes and oceans. <i>Science of the Total Environment</i> , 2017, 609, 180-191.	3.9	166
1149	Controls on eDNA movement in streams: Transport, Retention, and Resuspension. <i>Scientific Reports</i> , 2017, 7, 5065.	1.6	218
1150	Carbon dioxide and methane dynamics in a human-dominated lowland coastal river network (Shanghai, China). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1738-1758.	1.3	41
1151	Dissolved oxygen dynamics under ice: Three winters of high-frequency data from a lake in the Arctic. <i>Water Resources Research</i> , 2017, 53, 7234-7246.	1.7	37
1152	Environmental feedbacks in temperate aquatic ecosystems under global change: why do we need to consider chemical stressors?. <i>Regional Environmental Change</i> , 2017, 17, 2079-2096.	1.4	11
1153	Low-level addition of dissolved organic carbon increases basal ecosystem function in a boreal headwater stream. <i>Ecosphere</i> , 2017, 8, e01739.	1.0	17
1154	Two-stage metabolism inferred from diel oxygen dynamics in aquatic ecosystems. <i>Ecosphere</i> , 2017, 8, e01867.	1.0	17
1155	Historical patterns of acidification and increasing CO ₂ flux associated with Florida springs. <i>Limnology and Oceanography</i> , 2017, 62, 2404-2417.	1.6	5
1156	Large differences between carbon and nutrient loss rates along the land to ocean aquatic continuum—implications for energy:nutrient ratios at downstream sites. <i>Limnology and Oceanography</i> , 2017, 62, S183.	1.6	10
1157	Seasonal variability in phytoplankton stable carbon isotope ratios and bacterial carbon sources in a shallow Dutch lake. <i>Limnology and Oceanography</i> , 2017, 62, 2773-2787.	1.6	21
1158	Reach-scale river metabolism across contrasting sub-catchment geologies: Effect of light and hydrology. <i>Limnology and Oceanography</i> , 2017, 62, S381-S399.	1.6	22
1159	A synoptic survey of microbial respiration, organic matter decomposition, and carbon efflux in U.S. streams and rivers. <i>Limnology and Oceanography</i> , 2017, 62, S147-S159.	1.6	11
1160	Latitude and lake size are important predictors of over-lake atmospheric stability. <i>Geophysical Research Letters</i> , 2017, 44, 8875-8883.	1.5	31
1161	Variable respiration rates of incubated permafrost soil extracts from the Kolyma River lowlands, north-east Siberia. <i>Polar Research</i> , 2017, 36, 1305157.	1.6	3
1162	A Global Data Analysis for Representing Sediment and Particulate Organic Carbon Yield in Earth System Models. <i>Water Resources Research</i> , 2017, 53, 10674-10700.	1.7	17

#	ARTICLE	IF	CITATIONS
1163	Molecular changes of aquatic humic substances formed from four aquatic macrophytes decomposed under different oxygen conditions. <i>Chemistry and Ecology</i> , 2017, 33, 918-931.	0.6	5
1164	Organic carbon burial in global lakes and reservoirs. <i>Nature Communications</i> , 2017, 8, 1694.	5.8	307
1165	High rates of organic carbon processing in the hyporheic zone of intermittent streams. <i>Scientific Reports</i> , 2017, 7, 13198.	1.6	38
1166	Influences of anthropogenic land use on microbial community structure and functional potentials of stream benthic biofilms. <i>Scientific Reports</i> , 2017, 7, 15117.	1.6	45
1167	Temperature Dependence of Apparent Respiratory Quotients and Oxygen Penetration Depth in Contrasting Lake Sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3076-3087.	1.3	19
1168	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.	1.3	32
1169	Tracing high time-resolution fluctuations in dissolved organic carbon using satellite and buoy observations: Case study in Lake Taihu, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 62, 174-182.	1.4	9
1170	Disrupted carbon cycling in restored and unrestored urban streams: Critical timescales and controls. <i>Limnology and Oceanography</i> , 2017, 62, S160.	1.6	29
1171	Eoenzyme activity ratios reveal interactive effects of nutrient inputs and UVR in a Mediterranean high-mountain lake. <i>Biogeochemistry</i> , 2017, 132, 71-85.	1.7	6
1172	Quantifying rapid spatial and temporal variations of CO ₂ fluxes from small, lowland freshwater ponds. <i>Hydrobiologia</i> , 2017, 793, 83-93.	1.0	12
1173	Sources of organic matter for bacteria in sediments of Lake Rotsee, Switzerland. <i>Journal of Paleolimnology</i> , 2017, 58, 391-402.	0.8	5
1174	Aquatic macrophyte dynamics in Lake Karakul (Eastern Pamir) over the last 29 cal ka revealed by sedimentary ancient DNA and geochemical analyses of macrofossil remains. <i>Journal of Paleolimnology</i> , 2017, 58, 403-417.	0.8	18
1175	Global WaterPack – A 250 m resolution dataset revealing the daily dynamics of global inland water bodies. <i>Remote Sensing of Environment</i> , 2017, 198, 345-362.	4.6	116
1176	Carbon dioxide emissions from the Three Gorges Reservoir, China. <i>Acta Geochimica</i> , 2017, 36, 645-657.	0.7	9
1177	Hydrologic controls on seasonal and inter-annual variability of Congo River particulate organic matter source and reservoir age. <i>Chemical Geology</i> , 2017, 466, 454-465.	1.4	28
1178	Spatial and temporal variation in autochthonous and allochthonous contributors to increased organic carbon and nitrogen burial in a plateau lake. <i>Science of the Total Environment</i> , 2017, 603-604, 390-400.	3.9	51
1179	Carbon utilization profiles of river bacterial strains facing sole carbon sources suggest metabolic interactions. <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	7
1180	Societal use of fresh submarine groundwater discharge: An overlooked water resource. <i>Earth-Science Reviews</i> , 2017, 171, 338-348.	4.0	107

#	ARTICLE	IF	CITATIONS
1181	Carbon dioxide emissions and sediment organic carbon burials across a gradient of trophic state in eleven New Zealand lakes. <i>Hydrobiologia</i> , 2017, 795, 341-354.	1.0	13
1182	Spatial and temporal patterns of dissolved organic matter quantity and quality in the Mississippi River Basin, 1997–2013. <i>Hydrological Processes</i> , 2017, 31, 902-915.	1.1	31
1183	Do pharmaceuticals reach and affect the aquatic ecosystems in Brazil? A critical review of current studies in a developing country. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1200-1218.	2.7	71
1184	Significant changes in water pCO ₂ caused by turbulence from waterfalls. <i>Limnologia</i> , 2017, 62, 1-4.	0.7	12
1185	Management effects on greenhouse gas dynamics in fen ditches. <i>Science of the Total Environment</i> , 2017, 578, 601-612.	3.9	26
1186	Reconstructing the seasonal dynamics and relative contribution of the major processes sustaining CO ₂ emissions in northern lakes. <i>Limnology and Oceanography</i> , 2017, 62, 706-722.	1.6	44
1187	Discharge determines production of, decomposition of and quality changes in dissolved organic carbon in pre-dams of drinking water reservoirs. <i>Science of the Total Environment</i> , 2017, 577, 329-339.	3.9	24
1188	Responses to elevated CO ₂ exposure in a freshwater mussel, <i>Fusconaia flava</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 87-101.	0.7	17
1189	Phosphorus availability as a primary control of dissolved organic carbon biodegradation in the tributaries of the Yangtze River in the Three Gorges Reservoir Region. <i>Science of the Total Environment</i> , 2017, 574, 1472-1476.	3.9	33
1190	Differentiating the sources of fine sediment, organic matter and nitrogen in a subtropical Australian catchment. <i>Science of the Total Environment</i> , 2017, 575, 1384-1394.	3.9	50
1191	Seasonal exports and drivers of dissolved inorganic and organic carbon, carbon dioxide, methane and $\delta^{13}\text{C}$ signatures in a subtropical river network. <i>Science of the Total Environment</i> , 2017, 575, 545-563.	3.9	37
1192	Linking LiDAR with streamwater biogeochemistry in coastal temperate rainforest watersheds. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 801-811.	0.7	4
1193	Contrasting ecosystem CO ₂ fluxes of inland and coastal wetlands: a meta-analysis of eddy covariance data. <i>Global Change Biology</i> , 2017, 23, 1180-1198.	4.2	103
1194	Using liquid chromatography-isotope ratio mass spectrometry to measure the $\delta^{13}\text{C}$ of dissolved inorganic carbon photochemically produced from dissolved organic carbon. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 103-115.	1.0	9
1195	Transport and transformation of soil-derived CO ₂ , CH ₄ and DOC sustain CO ₂ supersaturation in small boreal streams. <i>Science of the Total Environment</i> , 2017, 579, 902-912.	3.9	83
1196	Sedimentary carbon forms in relation to climate and phytoplankton biomass in a large, shallow, hard-water boreal lake. <i>Journal of Paleolimnology</i> , 2017, 57, 81-93.	0.8	0
1197	Widespread release of dissolved organic carbon from anoxic boreal lake sediments. <i>Inland Waters</i> , 2017, 7, 151-163.	1.1	16
1198	Microbial carbon processing in oligotrophic Lake Lucerne (Switzerland): results of in situ ^{13}C -labelling studies. <i>Biogeochemistry</i> , 2017, 136, 131-149.	1.7	3

#	ARTICLE	IF	CITATIONS
1199	Lake-atmosphere interactions at Alqueva reservoir: a case study in the summer of 2014. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 69, 1272787.	0.8	22
1200	Large Lakes Dominate CO ₂ Evasion From Lakes in an Arctic Catchment. <i>Geophysical Research Letters</i> , 2017, 44, 12,254.	1.5	14
1201	Characterisation of the semi-volatile component of Dissolved Organic Matter by Thermal Desorption - Proton Transfer Reaction - Mass Spectrometry. <i>Scientific Reports</i> , 2017, 7, 15936.	1.6	15
1202	Shifts in the Source and Composition of Dissolved Organic Matter in Southwest Greenland Lakes Along a Regional Hydro-climatic Gradient. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3431-3445.	1.3	43
1203	Oxygen Ebullition From Lakes. <i>Geophysical Research Letters</i> , 2017, 44, 9372-9378.	1.5	24
1204	A coupled metabolic-hydraulic model and calibration scheme for estimating whole-river metabolism during dynamic flow conditions. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 847-866.	1.0	13
1205	Substantial soil organic carbon retention along floodplains of mountain streams. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 1325-1338.	1.0	24
1206	Mitigation of Greenhouse Gases Emissions by Management of Terrestrial Ecosystem. <i>Ecological Chemistry and Engineering S</i> , 2017, 24, 213-221.	0.3	4
1207	Significance of pelagic and benthic metabolism for the carbon budget of a shallow lake. <i>Annales De Limnologie</i> , 2017, 53, 101-110.	0.6	0
1208	Unravelling the Relative Contribution of Dissolved Carbon by the Red River to the Atchafalaya River. <i>Water (Switzerland)</i> , 2017, 9, 871.	1.2	9
1209	Bio-optical Modeling of Colored Dissolved Organic Matter. , 2017, , 101-128.		5
1210	ORCHILEAK (revision 3875): a new model branch to simulate carbon transfers along the terrestrial-aquatic continuum of the Amazon basin. <i>Geoscientific Model Development</i> , 2017, 10, 3821-3859.	1.3	40
1211	Reviews and syntheses: Hidden forests, the role of vegetated coastal habitats in the ocean carbon budget. <i>Biogeosciences</i> , 2017, 14, 301-310.	1.3	195
1212	The Effect of Algal Blooms on Carbon Emissions in Western Lake Erie: An Integration of Remote Sensing and Eddy Covariance Measurements. <i>Remote Sensing</i> , 2017, 9, 44.	1.8	22
1213	Multi-Decadal Surface Water Dynamics in North American Tundra. <i>Remote Sensing</i> , 2017, 9, 497.	1.8	41
1214	Mapping Dynamic Water Fraction under the Tropical Rain Forests of the Amazonian Basin from SMOS Brightness Temperatures. <i>Water (Switzerland)</i> , 2017, 9, 350.	1.2	34
1215	An Analysis of Terrestrial and Aquatic Environmental Controls of Riverine Dissolved Organic Carbon in the Conterminous United States. <i>Water (Switzerland)</i> , 2017, 9, 383.	1.2	19
1216	Comparing the Spectroscopic and Molecular Characteristics of Different Dissolved Organic Matter Fractions Isolated by Hydrophobic and Anionic Exchange Resins Using Fluorescence Spectroscopy and FT-ICR-MS. <i>Water (Switzerland)</i> , 2017, 9, 555.	1.2	9

#	ARTICLE	IF	CITATIONS
1217	Methane Emissions in Spanish Saline Lakes: Current Rates, Temperature and Salinity Responses, and Evolution under Different Climate Change Scenarios. <i>Water (Switzerland)</i> , 2017, 9, 659.	1.2	22
1218	Molecular Determinants of Dissolved Organic Matter Reactivity in Lake Water. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	58
1219	Impact of Wetland Decline on Decreasing Dissolved Organic Carbon Concentrations along the Mississippi River Continuum. <i>Frontiers in Marine Science</i> , 2017, 3, .	1.2	21
1220	Where Carbon Goes When Water Flows: Carbon Cycling across the Aquatic Continuum. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	197
1221	Evaluation of Primary Production in the Lower Amazon River Based on a Dissolved Oxygen Stable Isotopic Mass Balance. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	15
1222	The Fate of Carbon in Sediments of the Xingu and Tapaj�s Clearwater Rivers, Eastern Amazon. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	18
1223	Microbially-Mediated Transformations of Estuarine Dissolved Organic Matter. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	36
1224	Carbon Dioxide Emissions along the Lower Amazon River. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	100
1225	Editorial: Microbial Role in the Carbon Cycle in Tropical Inland Aquatic Ecosystems. <i>Frontiers in Microbiology</i> , 2017, 8, 20.	1.5	10
1226	Regional-scale lateral carbon transport and CO ₂ evasion in temperate stream catchments. <i>Biogeosciences</i> , 2017, 14, 5003-5014.	1.3	10
1227	Historical effects of dissolved organic carbon export and land management decisions on the watershed-scale forest carbon budget of a coastal British Columbia Douglas-fir-dominated landscape. <i>Carbon Balance and Management</i> , 2017, 12, 15.	1.4	2
1228	Comparison of ecosystem processes in a woodland and prairie pond with different hydroperiods. <i>Journal of Freshwater Ecology</i> , 2017, 32, 675-695.	0.5	3
1229	Exceptional summer warming leads to contrasting outcomes for methane cycling in small Arctic lakes of Greenland. <i>Biogeosciences</i> , 2017, 14, 559-574.	1.3	9
1230	Technical note: A hydrological routing scheme for the Ecosystem Demography model (ED2+R) tested in the Tapaj�s River basin in the Brazilian Amazon. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4629-4648.	1.9	12
1231	A global hotspot for dissolved organic carbon in hypermaritime watersheds of coastal British Columbia. <i>Biogeosciences</i> , 2017, 14, 3743-3762.	1.3	35
1232	Changes in dissolved organic matter quality in a peatland and forest headwater stream as a function of seasonality and hydrologic conditions. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2035-2051.	1.9	35
1233	Concentra�o e fluxo de CO ₂ sobre o reservat�rio hidrel�trico de Balbina (AM). <i>Engenharia Sanitaria E Ambiental</i> , 2017, 22, 187-193.	0.1	2
1234	Dynamics of riverine CO ₂ in the Yangtze River fluvial network and their implications for carbon evasion. <i>Biogeosciences</i> , 2017, 14, 2183-2198.	1.3	33

#	ARTICLE	IF	CITATIONS
1235	Influence of infrastructure on water quality and greenhouse gas dynamics in urban streams. <i>Biogeosciences</i> , 2017, 14, 2831-2849.	1.3	50
1236	Spatiotemporal Variation in Particulate Organic Carbon Based on Long-Term MODIS Observations in Taihu Lake, China. <i>Remote Sensing</i> , 2017, 9, 624.	1.8	11
1237	Year-round CH ₄ and CO ₂ flux dynamics in two contrasting freshwater ecosystems of the subarctic. <i>Biogeosciences</i> , 2017, 14, 5189-5216.	1.3	55
1238	Continuous measurement of air-water gas exchange by underwater eddy covariance. <i>Biogeosciences</i> , 2017, 14, 5595-5606.	1.3	29
1239	Spatio-seasonal variability of chromophoric dissolved organic matter absorption and responses to photobleaching in a large shallow temperate lake. <i>Biogeosciences</i> , 2017, 14, 1215-1233.	1.3	18
1240	Temporal changes in photoreactivity of dissolved organic carbon and implications for aquatic carbon fluxes from peatlands. <i>Biogeosciences</i> , 2017, 14, 1793-1809.	1.3	17
1241	Carbon Budget of Tidal Wetlands, Estuaries, and Shelf Waters of Eastern North America. <i>Global Biogeochemical Cycles</i> , 2018, 32, 389-416.	1.9	147
1242	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.	1.3	22
1243	Hydrologic and biogeochemical drivers of dissolved organic carbon and nitrate uptake in a headwater stream network. <i>Biogeochemistry</i> , 2018, 138, 23-48.	1.7	19
1244	Aquatic acidification: a mechanism underpinning maintained oxygen transport and performance in fish experiencing elevated carbon dioxide conditions. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	27
1245	Biogeochemical characterization of a Mediterranean shallow lake using stable isotopes: Laguna del Cristo (NW Iberian Peninsula). <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	6
1246	Environmental warming induces behavioral and metabolic changes in a freshwater crustacean aeglids as a model organism. <i>Annales De Limnologie</i> , 2018, 54, 7.	0.6	3
1247	Physical and Chemical Connectivity of Streams and Riparian Wetlands to Downstream Waters: A Synthesis. <i>Journal of the American Water Resources Association</i> , 2018, 54, 323-345.	1.0	53
1248	Effects of nutrients and organic matter inputs in the gases CO ₂ and O ₂ : A mesocosm study in a tropical lake. <i>Limnologica</i> , 2018, 69, 1-9.	0.7	8
1249	Towards an autonomous microfluidic sensor for dissolved carbon dioxide determination. <i>Microchemical Journal</i> , 2018, 139, 216-221.	2.3	3
1250	Influence of land cover on riverine dissolved organic carbon concentrations and export in the Three Rivers Headwater Region of the Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , 2018, 630, 314-322.	3.9	21
1251	Organic carbon storage in floodplain soils of the U.S. prairies. <i>River Research and Applications</i> , 2018, 34, 406-416.	0.7	14
1252	Deconvolving the Fate of Carbon in Coastal Sediments. <i>Geophysical Research Letters</i> , 2018, 45, 4134-4142.	1.5	21

#	ARTICLE	IF	CITATIONS
1253	Light may have triggered a period of net heterotrophy in Lake Superior. <i>Limnology and Oceanography</i> , 2018, 63, 1785-1798.	1.6	8
1254	Stoichiometry of carbon, nitrogen, and phosphorus through the freshwater pipe. <i>Limnology and Oceanography Letters</i> , 2018, 3, 89-101.	1.6	98
1255	Sediment respiration drives circulation and production of CO ₂ in ice-covered Alaskan arctic lakes. <i>Limnology and Oceanography Letters</i> , 2018, 3, 302-310.	1.6	42
1256	Woody debris is related to reach-scale hotspots of lowland stream ecosystem respiration under baseflow conditions. <i>Ecohydrology</i> , 2018, 11, e1952.	1.1	31
1257	Importance of Considered Organic Versus Inorganic Source of Carbon to Lakes for Calculating Net Effect on Landscape C Budgets. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1302-1317.	1.3	18
1258	Greenhouse gas emissions from lakes and impoundments: Upscaling in the face of global change. <i>Limnology and Oceanography Letters</i> , 2018, 3, 64-75.	1.6	303
1259	Quantification of dissolved organic carbon (DOC) storage in lakes and reservoirs of mainland China. <i>Journal of Environmental Management</i> , 2018, 217, 391-402.	3.8	44
1260	Balancing macronutrient stoichiometry to alleviate eutrophication. <i>Science of the Total Environment</i> , 2018, 634, 439-447.	3.9	72
1261	Spatially Explicit, Regional-scale Simulation of Lake Carbon Fluxes. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1276-1293.	1.9	14
1262	Extreme Climate Effects on Dissolved Organic Carbon Concentrations During Snowmelt. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1277-1288.	1.3	17
1263	Methane Feedbacks to the Global Climate System in a Warmer World. <i>Reviews of Geophysics</i> , 2018, 56, 207-250.	9.0	354
1264	Methane production increases with warming and carbon additions to incubated sediments from a semiarid reservoir. <i>Inland Waters</i> , 2018, 8, 109-121.	1.1	13
1265	Simulating eroded soil organic carbon with the SWAT-C model. <i>Environmental Modelling and Software</i> , 2018, 102, 39-48.	1.9	34
1266	Potential Carbon Gas Production in Southern Brazil Wetland Sediments: Possible Implications of Agricultural Land Use and Warming. <i>Wetlands</i> , 2018, 38, 485-495.	0.7	5
1267	Riverine CO ₂ supersaturation and outgassing in a subtropical monsoonal mountainous area (Three Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.3	44
1268	Dry habitats sustain high CO ₂ emissions from temporary ponds across seasons. <i>Scientific Reports</i> , 2018, 8, 3015.	1.6	35
1269	Changes in submerged aquatic vegetation (SAV) coverage caused by extended drought and flood pulses. <i>Lake and Reservoir Management</i> , 2018, 34, 199-210.	0.4	5
1270	Artificial lakes as a climate change adaptation strategy in drylands: evaluating the trade-off on non-target ecosystem services. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018, 23, 887-906.	1.0	9

#	ARTICLE	IF	CITATIONS
1271	Regional Groundwater and Storms Are Hydrologic Controls on the Quality and Export of Dissolved Organic Matter in Two Tropical Rainforest Streams, Costa Rica. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 850-866.	1.3	32
1272	Large but variable methane production in anoxic freshwater sediment upon addition of allochthonous and autochthonous organic matter. <i>Limnology and Oceanography</i> , 2018, 63, 1488-1501.	1.6	121
1273	Size, age, renewal, and discharge of groundwater carbon. <i>Inland Waters</i> , 2018, 8, 122-127.	1.1	10
1274	Carbon dioxide emission and its regulation at land-water interface downstream of a point source at Ganga River (India). <i>Water and Environment Journal</i> , 2018, 32, 351-357.	1.0	3
1275	Fractionation of Dissolved Organic Matter by Co-Precipitation with Iron: Effects of Composition. <i>Environmental Processes</i> , 2018, 5, 5-21.	1.7	30
1276	Synergy between nutrients and warming enhances methane ebullition from experimental lakes. <i>Nature Climate Change</i> , 2018, 8, 156-160.	8.1	130
1277	Comparison of the Chemical Composition of Dissolved Organic Matter in Three Lakes in Minnesota. <i>Environmental Science & Technology</i> , 2018, 52, 1747-1755.	4.6	24
1278	Combined use of radiocarbon and stable carbon isotope to constrain the sources and cycling of particulate organic carbon in a large freshwater lake, China. <i>Science of the Total Environment</i> , 2018, 625, 27-38.	3.9	39
1279	Tracing of particulate organic C sources across the terrestrial-aquatic continuum, a case study at the catchment scale (Carminowe Creek, southwest England). <i>Science of the Total Environment</i> , 2018, 616-617, 1077-1088.	3.9	22
1280	Exudation rates and $\delta^{13}\text{C}$ signatures of tree root soluble organic carbon in a riparian forest. <i>Biogeochemistry</i> , 2018, 137, 235-252.	1.7	14
1281	Organic carbon burial from multi-core records in Hulun Lake, the largest lake in northern China. <i>Quaternary International</i> , 2018, 475, 80-90.	0.7	34
1282	Productivity and rainfall drive bacterial metabolism in tropical cascading reservoirs. <i>Hydrobiologia</i> , 2018, 809, 233-246.	1.0	7
1283	Drivers of dissolved organic carbon export in a subarctic catchment: Importance of microbial decomposition, sorption-desorption, peatland and lateral flow. <i>Science of the Total Environment</i> , 2018, 622-623, 260-274.	3.9	20
1284	Metal concentrations and their potential ecological risks in fluvial sediments of Atoyac River basin, Central Mexico: Volcanic and anthropogenic influences. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 1020-1033.	2.9	35
1285	Carbon dioxide degassing at the groundwater-stream-atmosphere interface: isotopic equilibration and hydrological mass balance in a sandy watershed. <i>Journal of Hydrology</i> , 2018, 558, 129-143.	2.3	58
1286	Riverine Export of Aged Carbon Driven by Flow Path Depth and Residence Time. <i>Environmental Science & Technology</i> , 2018, 52, 1028-1035.	4.6	84
1287	Origin and effect factors of sedimentary organic carbon in a karst groundwater-fed reservoir, South China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8497-8511.	2.7	8
1288	Nutrient dynamics and stream order influence microbial community patterns along a 2914 kilometer transect of the Mississippi River. <i>Limnology and Oceanography</i> , 2018, 63, 1837-1855.	1.6	48

#	ARTICLE	IF	CITATIONS
1289	Biogeochemistry of natural ponds in agricultural landscape: Lessons learned from modeling a kettle hole in Northeast Germany. <i>Science of the Total Environment</i> , 2018, 634, 1615-1630.	3.9	15
1290	Large and active CO ₂ uptake by coupled carbonate weathering. <i>Earth-Science Reviews</i> , 2018, 182, 42-49.	4.0	114
1291	Drivers of Sediment Accumulation and Nutrient Burial in Coastal Stormwater Detention Ponds, South Carolina, USA. <i>Ecosystems</i> , 2018, 21, 1118-1138.	1.6	23
1292	Metalimnetic oxygen minima alter the vertical profiles of carbon dioxide and methane in a managed freshwater reservoir. <i>Science of the Total Environment</i> , 2018, 636, 610-620.	3.9	25
1293	Organic carbon transfers in the subtropical Red River system (Viet Nam): insights on CO ₂ sources and sinks. <i>Biogeochemistry</i> , 2018, 138, 277-295.	1.7	6
1294	Beyond respiration: Controls on lateral carbon fluxes across the terrestrial-aquatic interface. <i>Limnology and Oceanography Letters</i> , 2018, 3, 76-88.	1.6	81
1295	Temperature sensitivity of biodegradable dissolved organic carbon increases with elevating humification degree in subtropical rivers. <i>Science of the Total Environment</i> , 2018, 635, 1367-1371.	3.9	21
1296	Spatiotemporal Variability in Lake-Atmosphere Net CO ₂ Exchange in the Littoral Zone of an Oligotrophic Lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1260-1276.	1.3	20
1297	Dissolved organic matter variations in coastal plain wetland watersheds: The integrated role of hydrological connectivity, land use, and seasonality. <i>Hydrological Processes</i> , 2018, 32, 1664-1681.	1.1	36
1298	Characterisation and reactivity continuum of dissolved organic matter in forested headwater catchments of Andean Patagonia. <i>Freshwater Biology</i> , 2018, 63, 1049-1062.	1.2	40
1299	Aliphatic hydrocarbon biomarkers as indicators of organic matter source and composition in surface sediments from shallow lakes along the lower Yangtze River, Eastern China. <i>Organic Geochemistry</i> , 2018, 122, 29-40.	0.9	27
1300	Differences in N loading affect DOM dynamics during typhoon events in a forested mountainous catchment. <i>Science of the Total Environment</i> , 2018, 633, 81-92.	3.9	13
1301	Seasonal Drivers of Carbon Dioxide Dynamics in a Hydrologically Modified Subtropical Tidal River and Estuary (Caboolture River, Australia). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1827-1849.	1.3	19
1302	Hydrologic setting constrains lake heterotrophy and terrestrial carbon fate. <i>Limnology and Oceanography Letters</i> , 2018, 3, 256-264.	1.6	25
1303	Pipes or chimneys? For carbon cycling in small boreal lakes, precipitation matters most. <i>Limnology and Oceanography Letters</i> , 2018, 3, 275-284.	1.6	30
1304	Geomorphic Controls on Floodplain Soil Organic Carbon in the Yukon Flats, Interior Alaska, From Reach to River Basin Scales. <i>Water Resources Research</i> , 2018, 54, 1934-1951.	1.7	33
1305	A lake classification concept for a more accurate global estimate of the dissolved inorganic carbon export from terrestrial ecosystems to inland waters. <i>Die Naturwissenschaften</i> , 2018, 105, 25.	0.6	13
1306	Evaluation of present and future wastewater impacts of textile dyeing industries in Bangladesh. <i>Environmental Development</i> , 2018, 26, 23-33.	1.8	149

#	ARTICLE	IF	CITATIONS
1307	Chronicles of hypoxia: Time-series buoy observations reveal annually recurring seasonal basin-wide hypoxia in Muskegon Lake – A Great Lakes estuary. <i>Journal of Great Lakes Research</i> , 2018, 44, 219-229.	0.8	41
1308	Role of Soil Erosion in Biogeochemical Cycling of Essential Elements: Carbon, Nitrogen, and Phosphorus. <i>Annual Review of Earth and Planetary Sciences</i> , 2018, 46, 521-548.	4.6	184
1309	Characterization of CDOM absorption of reservoirs with its linkage of regions and ages across China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16009-16023.	2.7	10
1310	A two-step approach to mapping particulate organic carbon (POC) in inland water using OLCI images. <i>Ecological Indicators</i> , 2018, 90, 502-512.	2.6	27
1311	Two decades of tropical cyclone impacts on North Carolina's estuarine carbon, nutrient and phytoplankton dynamics: implications for biogeochemical cycling and water quality in a stormier world. <i>Biogeochemistry</i> , 2018, 141, 307-332.	1.7	98
1312	Allochthonous Organic Matter Supports Benthic but Not Pelagic Food Webs in Shallow Coastal Ecosystems. <i>Ecosystems</i> , 2018, 21, 1459-1470.	1.6	16
1313	Export of dissolved carbonaceous and nitrogenous substances in rivers of the "Water Tower of Asia". <i>Journal of Environmental Sciences</i> , 2018, 65, 53-61.	3.2	20
1314	Experimental nitrogen and phosphorus additions increase rates of stream ecosystem respiration and carbon loss. <i>Limnology and Oceanography</i> , 2018, 63, 22-36.	1.6	34
1315	Climate-Induced Changes in Spring Snowmelt Impact Ecosystem Metabolism and Carbon Fluxes in an Alpine Stream Network. <i>Ecosystems</i> , 2018, 21, 373-390.	1.6	38
1316	Coupled simulation of high-frequency dynamics of dissolved oxygen and chlorophyll widens the scope of lake metabolism studies. <i>Limnology and Oceanography</i> , 2018, 63, 72-90.	1.6	11
1317	The scaling of urban surface water abundance and impairment with city size. <i>Geomorphology</i> , 2018, 305, 231-241.	1.1	3
1318	Freshwater-Saltwater Mixing Effects on Dissolved Carbon and CO ₂ Outgassing of a Coastal River Entering the Northern Gulf of Mexico. <i>Estuaries and Coasts</i> , 2018, 41, 734-750.	1.0	5
1319	Temporal variability in composition and fluxes of Yellow River particulate organic matter. <i>Limnology and Oceanography</i> , 2018, 63, S119.	1.6	27
1320	Carbon biogeochemical cycle is enhanced by damming in a karst river. <i>Science of the Total Environment</i> , 2018, 616-617, 1181-1189.	3.9	46
1321	Primary production in nutrient-rich kettle holes and consequences for nutrient and carbon cycling. <i>Hydrobiologia</i> , 2018, 806, 77-93.	1.0	30
1322	Optical types of inland and coastal waters. <i>Limnology and Oceanography</i> , 2018, 63, 846-870.	1.6	196
1323	The metabolic regimes of flowing waters. <i>Limnology and Oceanography</i> , 2018, 63, S99.	1.6	247
1324	Increased resource use efficiency amplifies positive response of aquatic primary production to experimental warming. <i>Global Change Biology</i> , 2018, 24, 1069-1084.	4.2	38

#	ARTICLE	IF	CITATIONS
1325	Unraveling the size-dependent optical properties of dissolved organic matter. <i>Limnology and Oceanography</i> , 2018, 63, 588-601.	1.6	36
1326	CO_2 evasion from boreal lakes: Revised estimate, drivers of spatial variability, and future projections. <i>Global Change Biology</i> , 2018, 24, 711-728.	4.2	56
1327	Nutrients and temperature additively increase stream microbial respiration. <i>Global Change Biology</i> , 2018, 24, e233-e247.	4.2	37
1328	Labile carbon limits in-stream mineralization in a subtropical headwater catchment affected by gully and channel erosion. <i>Journal of Soils and Sediments</i> , 2018, 18, 648-659.	1.5	4
1329	Application of process-based eco-hydrological model to broader northern Eurasia wetlands through coordinate transformation. <i>Ecohydrology and Hydrobiology</i> , 2018, 18, 269-277.	1.0	7
1330	Terrestrial carbon inputs to inland waters: A current synthesis of estimates and uncertainty. <i>Limnology and Oceanography Letters</i> , 2018, 3, 132-142.	1.6	368
1331	The fate of suspended sediment and particulate organic carbon in transit through the channels of a river catchment. <i>Hydrological Processes</i> , 2018, 32, 146-159.	1.1	11
1332	Greenhouse Gas Emissions from Freshwater Reservoirs: What Does the Atmosphere See?. <i>Ecosystems</i> , 2018, 21, 1058-1071.	1.6	145
1333	Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape. <i>Journal of Hydrology</i> , 2018, 556, 279-293.	2.3	116
1334	Phosphorus Enhances Uptake of Dissolved Organic Matter in Boreal Streams. <i>Ecosystems</i> , 2018, 21, 675-688.	1.6	14
1335	Freshwater carbon and nutrient cycles revealed through reconstructed population genomes. <i>PeerJ</i> , 2018, 6, e6075.	0.9	64
1336	Water and Energy Nexus Under Climate Change Scenarios: Lessons from Brazil. , 2018, 4, .		2
1337	The sign, magnitude and potential drivers of change in surface water extent in Canadian tundra. <i>Environmental Research Letters</i> , 2018, 13, 045009.	2.2	9
1338	The distinct roles of two intertidal foraminiferal species in phytodetrital carbon and nitrogen fluxes – results from laboratory feeding experiments. <i>Biogeosciences</i> , 2018, 15, 6185-6198.	1.3	17
1339	Calibration of the E3SM Land Model Using Surrogate-Based Global Optimization. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1337-1356.	1.3	25
1340	Dynamic responses of DOC and DIC transport to different flow regimes in a subtropical small mountainous river. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 6579-6590.	1.9	24
1341	Microbiota: The Living Foundation. , 2018, , 43-61.		4
1342	Filtration artefacts in bacterial community composition can affect the outcome of dissolved organic matter biolability assays. <i>Biogeosciences</i> , 2018, 15, 7141-7154.	1.3	9

#	ARTICLE	IF	CITATIONS
1343	Reconciling drainage and receiving basin signatures of the Godavari River system. <i>Biogeosciences</i> , 2018, 15, 3357-3375.	1.3	19
1344	Groundwater data improve modelling of headwater stream CO ₂ outgassing with a stable DIC isotope approach. <i>Biogeosciences</i> , 2018, 15, 3093-3106.	1.3	14
1345	Carbon and Nitrogen Burial and Response to Climate Change and Anthropogenic Disturbance in Chaohu Lake, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2734.	1.2	19
1346	Headwater gas exchange quantified from O ₂ mass balances at the reach scale. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 696-709.	1.0	6
1347	Temperature dependence of daily respiration and reaeration rates during baseflow conditions in a northeastern U.S. stream. <i>Journal of Hydrology: Regional Studies</i> , 2018, 19, 250-264.	1.0	5
1348	Understanding Dissolved Organic Matter Reactivity and Composition in Lakes and Streams Using Proton-Transfer-Reaction Mass Spectrometry (PTR-MS). <i>Environmental Science and Technology Letters</i> , 2018, 5, 739-744.	3.9	9
1349	Biogeochemical tools for characterizing organic carbon in inland aquatic ecosystems. <i>Limnology and Oceanography Letters</i> , 2018, 3, 444-457.	1.6	37
1350	Measurement of gas-exchange rate in streams by the oxygen-carbon method. <i>Freshwater Science</i> , 2018, 37, 222-237.	0.9	9
1351	Linking land and lake: Using novel geochemical techniques to understand biological response to environmental change. <i>Quaternary Science Reviews</i> , 2018, 202, 122-138.	1.4	7
1352	pCO ₂ Dynamics of Stratified Reservoir in Temperate Zone and CO ₂ Pulse Emissions During Turnover Events. <i>Water (Switzerland)</i> , 2018, 10, 1347.	1.2	7
1353	Mapping the coloured dissolved organic matter absorption coefficient in a eutrophic reservoir using remotely sensed images. <i>Inland Waters</i> , 2018, 8, 488-504.	1.1	3
1354	Eutrophication Leads to Accumulation of Recalcitrant Autochthonous Organic Matter in Coastal Environment. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1673-1687.	1.9	61
1355	Riverine carbon export in the arid to semiarid Wuding River catchment on the Chinese Loess Plateau. <i>Biogeosciences</i> , 2018, 15, 3857-3871.	1.3	14
1356	Spatial variation in stable isotopic composition of organic matter of macrophytes and sediments from a small Arctic lake in west Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, S100017.	0.4	6
1357	Carbon and Nitrogen Pools in Deep Soil Horizons at Different Landscape Positions. <i>Soil Science Society of America Journal</i> , 2018, 82, 1512-1525.	1.2	12
1358	Peatland ditch blocking has no effect on dissolved organic matter (DOM) quality. <i>Hydrological Processes</i> , 2018, 32, 3891-3906.	1.1	16
1359	Factors controlling seasonal CO ₂ and CH ₄ emissions in three tropical mangrove-dominated estuaries in Australia. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 215, 69-82.	0.9	41
1360	Impact of global major reservoirs on carbon cycle changes by using an advanced eco-hydrologic and biogeochemical coupling model. <i>Ecological Modelling</i> , 2018, 387, 172-186.	1.2	18

#	ARTICLE	IF	CITATIONS
1361	Retention and release of nutrients and dissolved organic carbon in a nutrient-rich stream: A mass balance approach. <i>Journal of Hydrology</i> , 2018, 566, 795-806.	2.3	11
1362	Change in carbon flux (1960–2015) of the Red River (Vietnam). <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	9
1363	Mapping Freshwater Subaqueous Soil Resources: Examples from Southern New England. <i>Soil Science Society of America Journal</i> , 2018, 82, 403-412.	1.2	2
1364	Large greenhouse gases emissions from China's lakes and reservoirs. <i>Water Research</i> , 2018, 147, 13-24.	5.3	167
1365	The East River, Colorado, Watershed: A Mountainous Community Testbed for Improving Predictive Understanding of Multiscale Hydrological–Biogeochemical Dynamics. <i>Vadose Zone Journal</i> , 2018, 17, 1-25.	1.3	115
1366	Spatio-temporal variations of CDOM in shallow inland waters from a semi-analytical inversion of Landsat-8. <i>Remote Sensing of Environment</i> , 2018, 218, 189-200.	4.6	38
1367	Greenhouse gas emissions from boreal inland waters unchanged after forest harvesting. <i>Biogeosciences</i> , 2018, 15, 5575-5594.	1.3	16
1368	The multiscale effects of stream restoration on water quality. <i>Ecological Engineering</i> , 2018, 124, 7-18.	1.6	19
1369	A rare three-dimensional POM-based inorganic metal polymer bonded by CO ₂ with high catalytic performance for CO ₂ cycloaddition. <i>Chemical Communications</i> , 2018, 54, 12808-12811.	2.2	22
1370	Dual isotope evidence for sedimentary integration of plant wax biomarkers across an Andes-Amazon elevation transect. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 242, 64-81.	1.6	53
1371	Reviews and syntheses: Carbon use efficiency from organisms to ecosystems – definitions, theories, and empirical evidence. <i>Biogeosciences</i> , 2018, 15, 5929-5949.	1.3	98
1372	Flood-driven CO ₂ emissions from adjacent North Carolina estuaries during Hurricane Joaquin (2015). <i>Marine Chemistry</i> , 2018, 207, 1-12.	0.9	17
1373	Effect of small water retention structures on diffusive CO ₂ and CH ₄ emissions along a highly impounded river. <i>Inland Waters</i> , 2018, 8, 449-460.	1.1	5
1374	Generality of Hydrologic Transport Limitation of Watershed Organic Carbon Flux Across Ecoregions of the United States. <i>Geophysical Research Letters</i> , 2018, 45, 11,702.	1.5	141
1375	Chemical Weathering and Riverine Carbonate System Driven by Human Activities in a Subtropical Karst Basin, South China. <i>Water (Switzerland)</i> , 2018, 10, 1524.	1.2	10
1376	Longitudinal discontinuities in riverine greenhouse gas dynamics generated by dams and urban wastewater. <i>Biogeosciences</i> , 2018, 15, 6349-6369.	1.3	48
1377	Reconstructing Terrestrial Paleoenvironments Using Sedimentary Organic Biomarkers. <i>Vertebrate Paleobiology and Paleoanthropology</i> , 2018, , 121-149.	0.1	3
1378	CO ₂ evasion along streams driven by groundwater inputs and geomorphic controls. <i>Nature Geoscience</i> , 2018, 11, 813-818.	5.4	109

#	ARTICLE	IF	CITATIONS
1379	Rapid Mapping of Dissolved Methane and Carbon Dioxide in Coastal Ecosystems Using the ChemYak Autonomous Surface Vehicle. <i>Environmental Science & Technology</i> , 2018, 52, 13314-13324.	4.6	25
1380	Methane and carbon dioxide fluxes over a lake: comparison between eddy covariance, floating chambers and boundary layer method. <i>Biogeosciences</i> , 2018, 15, 429-445.	1.3	81
1381	Behind the Scenes: Mechanisms Regulating Climatic Patterns of Dissolved Organic Carbon Uptake in Headwater Streams. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1528-1541.	1.9	36
1382	Seasonal and spatial variability of the partial pressure of carbon dioxide in the human-impacted Seine River in France. <i>Scientific Reports</i> , 2018, 8, 13961.	1.6	28
1383	Spatio-temporal controls of dissolved organic carbon stream water concentrations. <i>Journal of Hydrology</i> , 2018, 566, 205-215.	2.3	37
1384	Assessment of methane and carbon dioxide emissions in two subbasins of a small acidic bog lake artificially divided 30 years ago. <i>Freshwater Biology</i> , 2018, 63, 1534-1549.	1.2	8
1385	Data-Intensive Ecological Research Is Catalyzed by Open Science and Team Science. <i>BioScience</i> , 2018, 68, 813-822.	2.2	46
1386	Fluorescent DOC characteristics are related to streamflow and pasture cover in streams of a mixed landscape. <i>Biogeochemistry</i> , 2018, 140, 317-340.	1.7	12
1387	Quantifying the influence of cold water intrusions in a shallow, coastal system across contrasting years: Green Bay, Lake Michigan. <i>Journal of Great Lakes Research</i> , 2018, 44, 851-863.	0.8	12
1388	Radon-traced porewater as a potential source of CO ₂ and CH ₄ to receding black and clear water environments in the Amazon Basin. <i>Limnology and Oceanography Letters</i> , 2018, 3, 375-383.	1.6	15
1389	Submarine Groundwater Discharge-Derived Carbon Fluxes in Mangroves: An Important Component of Blue Carbon Budgets?. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6962-6979.	1.0	82
1390	A Synopsis of Global Mapping of Freshwater Habitats and Biodiversity: Implications for Conservation. , 2018, , .		10
1391	Dynamic modeling of organic carbon fates in lake ecosystems. <i>Ecological Modelling</i> , 2018, 386, 71-82.	1.2	21
1392	Hydro-ecological controls on dissolved carbon dynamics in groundwater and export to streams in a temperate pine forest. <i>Biogeosciences</i> , 2018, 15, 669-691.	1.3	23
1393	High riverine CO ₂ emissions at the permafrost boundary of Western Siberia. <i>Nature Geoscience</i> , 2018, 11, 825-829.	5.4	64
1394	An Assessment of Dissolved Organic Carbon Biodegradability and Priming in Blackwater Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2998-3015.	1.3	31
1395	River network saturation concept: factors influencing the balance of biogeochemical supply and demand of river networks. <i>Biogeochemistry</i> , 2018, 141, 503-521.	1.7	96
1396	Statistical modeling the effects of microclimate variables on carbon dioxide flux at the tropical coastal ocean in the southern South China Sea. <i>Dynamics of Atmospheres and Oceans</i> , 2018, 84, 10-21.	0.7	4

#	ARTICLE	IF	CITATIONS
1397	The influence of submarine groundwater discharge on nearshore marine dissolved organic carbon reactivity, concentration dynamics, and offshore export. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 241, 108-119.	1.6	5
1398	The study of carbon in inland waters“from isolated ecosystems to players in the global carbon cycle. <i>Limnology and Oceanography Letters</i> , 2018, 3, 41-48.	1.6	118
1399	Modeling reveals the role of coastal upwelling and hydrologic inputs on biologically distinct water exchanges in a Great Lakes estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 209, 41-55.	0.9	25
1400	Generalized Additive Models of Climatic and Metabolic Controls of Subannual Variation in pCO ₂ in Productive Hardwater Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1940-1959.	1.3	11
1401	Continental-scale decrease in net primary productivity in streams due to climate warming. <i>Nature Geoscience</i> , 2018, 11, 415-420.	5.4	99
1402	Stream metabolism heats up. <i>Nature Geoscience</i> , 2018, 11, 384-385.	5.4	3
1403	Dissolved carbon in a large variety of lakes across five limnetic regions in China. <i>Journal of Hydrology</i> , 2018, 563, 143-154.	2.3	41
1404	The spatial and temporal drivers of pCO ₂ , pCH ₄ and gas transfer velocity within a subtropical estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 208, 83-95.	0.9	42
1405	A comprehensive biogeochemical record and annual flux estimates for the Sabaki River (Kenya). <i>Biogeosciences</i> , 2018, 15, 1683-1700.	1.3	2
1406	Quality transformation of dissolved organic carbon during water transit through lakes: contrasting controls by photochemical and biological processes. <i>Biogeosciences</i> , 2018, 15, 457-470.	1.3	26
1407	Representation of dissolved organic carbon in the JULES land surface model (vn4.4_JULES-DOCM). <i>Geoscientific Model Development</i> , 2018, 11, 593-609.	1.3	21
1408	Carbon dioxide, methane and nitrous oxide emissions from the human-impacted Seine watershed in France. <i>Science of the Total Environment</i> , 2018, 643, 247-259.	3.9	58
1409	Carbon dynamics and inconstant porewater input in a mangrove tidal creek over contrasting seasons and tidal amplitudes. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 32-48.	1.6	48
1410	Emissions from thaw ponds largely offset the carbon sink of northern permafrost wetlands. <i>Scientific Reports</i> , 2018, 8, 9535.	1.6	47
1411	High phylogenetic diversity and abundance pattern of Labyrinthulomycete protists in the coastal waters of the Bohai Sea. <i>Environmental Microbiology</i> , 2018, 20, 3042-3056.	1.8	17
1412	Comparing soil carbon loss through respiration and leaching under extreme precipitation events in arid and semiarid grasslands. <i>Biogeosciences</i> , 2018, 15, 1627-1641.	1.3	29
1413	Variation pattern of particulate organic carbon and nitrogen in oceans and inland waters. <i>Biogeosciences</i> , 2018, 15, 1827-1841.	1.3	28
1414	High-frequency productivity estimates for a lake from free-water CO ₂ concentration measurements. <i>Biogeosciences</i> , 2018, 15, 2021-2032.	1.3	5

#	ARTICLE	IF	CITATIONS
1415	Historic carbon burial spike in an Amazon floodplain lake linked to riparian deforestation near Santar�m, Brazil. <i>Biogeosciences</i> , 2018, 15, 447-455.	1.3	9
1416	Decoupling of dissolved organic matter patterns between stream and riparian groundwater in a headwater forested catchment. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1897-1910.	1.9	24
1417	Effects of Wind and Buoyancy on Carbon Dioxide Distribution and Air�Water Flux of a Stratified Temperate Lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2305-2322.	1.3	35
1418	Gas Transfer Velocities Evaluated Using Carbon Dioxide as a Tracer Show High Streamflow to Be a Major Driver of Total CO ₂ Evasion Flux for a Headwater Stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2183-2197.	1.3	22
1419	Identifying labile DOM components in a coastal ocean through depleted bacterial transcripts and chemical signals. <i>Environmental Microbiology</i> , 2018, 20, 3012-3030.	1.8	56
1420	Riverine dissolved organic carbon in Rukarara River Watershed, Rwanda. <i>Science of the Total Environment</i> , 2018, 643, 793-806.	3.9	7
1421	Dissolved carbon transport in a river-lake continuum: A case study in a subtropical watershed, USA. <i>Science of the Total Environment</i> , 2018, 643, 640-650.	3.9	23
1422	Stream Dissolved Organic Matter Composition Reflects the Riparian Zone, Not Upslope Soils in Boreal Forest Headwaters. <i>Water Resources Research</i> , 2018, 54, 3896-3912.	1.7	24
1423	Organic Carbon Processing During Transport Through Boreal Inland Waters: Particles as Important Sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2412-2428.	1.3	48
1424	Geographic and temporal variations in turbulent heat loss from lakes: A global analysis across 45 lakes. <i>Limnology and Oceanography</i> , 2018, 63, 2436-2449.	1.6	47
1425	The Future of Freshwater Macrophytes in a Changing World: Dissolved Organic Carbon Quantity and Quality and Its Interactions With Macrophytes. <i>Frontiers in Plant Science</i> , 2018, 9, 629.	1.7	80
1426	High variability in iron-bound organic carbon among five boreal lake sediments. <i>Biogeochemistry</i> , 2018, 139, 19-29.	1.7	17
1427	The role of Eurasian beaver (<i>Castor fiber</i>) in the storage, emission and deposition of carbon in lakes and rivers of the River Ob flood plain, western Siberia. <i>Science of the Total Environment</i> , 2018, 644, 1371-1379.	3.9	18
1428	Temporal and spatial dynamics in microbial community composition within a temperate stream network. <i>Environmental Microbiology</i> , 2018, 20, 3560-3572.	1.8	44
1429	Environmental controls on the abundance of methanotrophs and methanogens in peat bog lakes. <i>Science of the Total Environment</i> , 2018, 645, 1201-1211.	3.9	32
1430	Carbon dioxide dynamics in a lake and a reservoir on a tropical island (Bali, Indonesia). <i>PLoS ONE</i> , 2018, 13, e0198678.	1.1	20
1431	Riparian Corridors: A New Conceptual Framework for Assessing Nitrogen Buffering Across Biomes. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	62
1432	Bioavailability of Dissolved Organic Phosphorus in Temperate Lakes. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	26

#	ARTICLE	IF	CITATIONS
1433	Dissolved greenhouse gas concentrations in 40 lakes in the Alpine area. <i>Aquatic Sciences</i> , 2018, 80, 1.	0.6	16
1434	Global-scale evidence for the refractory nature of riverine black carbon. <i>Nature Geoscience</i> , 2018, 11, 584-588.	5.4	111
1435	New light on black carbon. <i>Nature Geoscience</i> , 2018, 11, 547-548.	5.4	14
1436	Recent Surface Water Extent of Lake Chad from Multispectral Sensors and GRACE. <i>Sensors</i> , 2018, 18, 2082.	2.1	43
1437	Organic and inorganic carbon and their stable isotopes in surface sediments of the Yellow River Estuary. <i>Scientific Reports</i> , 2018, 8, 10825.	1.6	17
1438	Thermal sensitivity of CO ₂ and CH ₄ emissions varies with streambed sediment properties. <i>Nature Communications</i> , 2018, 9, 2803.	5.8	45
1439	Sediment Characteristics and Methane Ebullition in Three Subarctic Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2399-2411.	1.3	36
1440	Dynamic processing of DOM: Insight from exometabolomics, fluorescence spectroscopy, and mass spectrometry. <i>Limnology and Oceanography Letters</i> , 2018, 3, 225-235.	1.6	22
1441	Effects of Terrestrial Organic Matter on Aquatic Primary Production as Mediated by Pelagic-Benthic Resource Fluxes. <i>Ecosystems</i> , 2018, 21, 1255-1268.	1.6	23
1442	Field Observation of Lateral Detritus Carbon Flux in a Coastal Wetland. <i>Wetlands</i> , 2018, 38, 613-625.	0.7	9
1443	Taxon-Driven Functional Shifts Associated with Storm Flow in an Urban Stream Microbial Community. <i>MSphere</i> , 2018, 3, .	1.3	20
1444	Tundra landscape heterogeneity, not interannual variability, controls the decadal regional carbon balance in the Western Russian Arctic. <i>Global Change Biology</i> , 2018, 24, 5188-5204.	4.2	45
1445	Browning-related oxygen depletion in an oligotrophic lake. <i>Inland Waters</i> , 2018, 8, 255-263.	1.1	40
1446	Interactive effects on organic matter processing from soils to the ocean: are priming effects relevant in aquatic ecosystems?. <i>Hydrobiologia</i> , 2018, 822, 1-17.	1.0	86
1447	Carbon quality regulates the temperature dependence of aquatic ecosystem respiration. <i>Freshwater Biology</i> , 2018, 63, 1407-1419.	1.2	18
1448	Warming enhances sedimentation and decomposition of organic carbon in shallow macrophyte-dominated systems with zero net effect on carbon burial. <i>Global Change Biology</i> , 2018, 24, 5231-5242.	4.2	43
1449	Enhancing SWAT simulation of forest ecosystems for water resource assessment: A case study in the St. Croix River basin. <i>Ecological Engineering</i> , 2018, 120, 422-431.	1.6	25
1450	The effects of forest restoration on ecosystem carbon in western North America: A systematic review. <i>Forest Ecology and Management</i> , 2018, 429, 625-641.	1.4	23

#	ARTICLE	IF	CITATIONS
1451	Reviews and syntheses: Anthropogenic perturbations to carbon fluxes in Asian river systems – concepts, emerging trends, and research challenges. <i>Biogeosciences</i> , 2018, 15, 3049-3069.	1.3	55
1452	Indicators of phytoplankton response to particulate nutrient bioavailability in fresh and marine waters of the Great Barrier Reef. <i>Science of the Total Environment</i> , 2018, 636, 1416-1427.	3.9	32
1453	Lakes on the Tibetan Plateau as Conduits of Greenhouse Gases to the Atmosphere. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2091-2103.	1.3	41
1454	CO ₂ oversaturation and degassing using chambers and a new gas transfer velocity model from the Three Gorges Reservoir surface. <i>Science of the Total Environment</i> , 2018, 640-641, 908-920.	3.9	21
1455	Co-occurrence Network Reveals the Higher Fragmentation of the Bacterial Community in Kaidu River Than Its Tributaries in Northwestern China. <i>Microbes and Environments</i> , 2018, 33, 127-134.	0.7	22
1456	Multi 'omics comparison reveals metabolome biochemistry, not microbiome composition or gene expression, corresponds to elevated biogeochemical function in the hyporheic zone. <i>Science of the Total Environment</i> , 2018, 642, 742-753.	3.9	60
1457	Effect of climate change on humic substances and associated impacts on the quality of surface water and groundwater: A review. <i>Science of the Total Environment</i> , 2018, 640-641, 1548-1565.	3.9	121
1458	A Small Temperate Lake in the 21st Century: Dynamics of Water Temperature, Ice Phenology, Dissolved Oxygen, and Chlorophyll <i>a</i> . <i>Water Resources Research</i> , 2018, 54, 4681-4699.	1.7	33
1459	The Importance of Aquatic Carbon Fluxes in Net Ecosystem Carbon Budgets: A Catchment-Scale Review. <i>Ecosystems</i> , 2019, 22, 508-527.	1.6	62
1460	Contribution of floodplain lakes to the global carbon cycle. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 232, 012011.	0.2	0
1461	Biodegradation-induced signatures in sediment pore water dissolved organic matter: Implications from artificial sediments composed of two contrasting sources. <i>Science of the Total Environment</i> , 2019, 694, 133714.	3.9	35
1462	Impact of environmental changes and human activities on bacterial diversity of lakes. , 2019, , 105-136.		15
1463	C mobilisation in disturbed tropical peat swamps: old DOC can fuel the fluvial efflux of old carbon dioxide, but site recovery can occur. <i>Scientific Reports</i> , 2019, 9, 11429.	1.6	12
1464	High phosphorus content in leachates of the austral beech <i>Nothofagus pumilio</i> stimulates bacterioplankton C-consumption. <i>Freshwater Science</i> , 2019, 38, 435-447.	0.9	8
1465	Proglacial freshwaters are significant and previously unrecognized sinks of atmospheric CO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17690-17695.	3.3	40
1466	Seasonal variations and intricate diel differences in the physio-chemical parameters and CO ₂ emissions from a typical karst groundwater-fed reservoir in southern China. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	4
1467	Contrasting responses in dissolved organic carbon to extreme climate events from adjacent boreal landscapes in Northern Sweden. <i>Environmental Research Letters</i> , 2019, 14, 084007.	2.2	7
1468	Exploring methods of measuring CO ₂ degassing in headwater streams. <i>Sustainable Water Resources Management</i> , 2019, 5, 1765-1779.	1.0	5

#	ARTICLE	IF	CITATIONS
1469	The contrasting roles of aquatic fungi and oomycetes in the degradation and transformation of polymeric organic matter. <i>Limnology and Oceanography</i> , 2019, 64, 2662-2678.	1.6	18
1470	Optimal Cyanobacterial Pigment Retrieval from Ocean Colour Sensors in a Highly Turbid, Optically Complex Lake. <i>Remote Sensing</i> , 2019, 11, 1613.	1.8	16
1471	Dissolved Carbon Transport and Processing in North America's Largest Swamp River Entering the Northern Gulf of Mexico. <i>Water (Switzerland)</i> , 2019, 11, 1395.	1.2	7
1472	Spatial and seasonal variability of sedimentary organic matter and its origin in an algal-blooming eutrophic lake. <i>Ecological Indicators</i> , 2019, 107, 105557.	2.6	10
1473	Hydrological and Ecological Controls on Autochthonous Carbonate Deposition in Lake Systems: A Case Study From Lake Wuliangsu and the Global Perspective. <i>Geophysical Research Letters</i> , 2019, 46, 6583-6593.	1.5	14
1474	Lacustrine carbon cycling since the last interglaciation in northeast China: Evidence from n-alkanes in the sediments of Lake Xingkai. <i>Quaternary International</i> , 2019, 523, 101-108.	0.7	9
1475	Seasonal variability of sediment controls of carbon cycling in an agricultural stream. <i>Science of the Total Environment</i> , 2019, 688, 732-741.	3.9	18
1476	Characterization of aquatic organic matter: Assessment, perspectives and research priorities. <i>Water Research</i> , 2019, 163, 114908.	5.3	78
1477	Molecular change of dissolved organic matter and patterns of bacterial activity in a stream along a land-use gradient. <i>Water Research</i> , 2019, 164, 114919.	5.3	50
1478	The Importance of Coarse Organic Matter and Depositional Environment to Carbon Burial Behind Dams in Mountainous Environments. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 2118-2140.	1.0	3
1479	Influence of the biological carbon pump effect on the sources and deposition of organic matter in Fuxian Lake, a deep oligotrophic lake in southwest China. <i>Acta Geochimica</i> , 2019, 38, 613-626.	0.7	11
1480	High spatial and seasonal heterogeneity of pCO ₂ and CO ₂ emissions in a karst groundwater-stream continuum, southern China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25733-25748.	2.7	7
1481	Large Spatial and Temporal Variability of Carbon Dioxide and Methane in a Eutrophic Lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2248-2266.	1.3	39
1482	Spectral Decomposition Reveals New Perspectives on CO ₂ Concentration Patterns and Soil-Stream Linkages. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3039-3056.	1.3	15
1483	Coupling Concentration and Process-Discharge Relationships Integrates Water Chemistry and Metabolism in Streams. <i>Water Resources Research</i> , 2019, 55, 10179-10190.	1.7	22
1484	A Synthetic Model to Quantify Dissolved Organic Carbon Transport in the Changjiang River System: Model Structure and Spatiotemporal Patterns. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3024-3041.	1.3	9
1485	Surviving onshore soil microbial communities differ among the Qing-Tibetan lakes with different salinity. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	2
1486	The chemical fingerprint of solubilized organic matter from eroded soils and sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 92-112.	1.6	13

#	ARTICLE	IF	CITATIONS
1487	On the calculation of lake metabolic rates: Diel O ₂ and 18/16O technique. <i>Water Research</i> , 2019, 165, 114990.	5.3	6
1488	Large spatiotemporal shifts of CO ₂ partial pressure and CO ₂ degassing in a monsoonal headwater stream. <i>Journal of Hydrology</i> , 2019, 579, 124135.	2.3	24
1489	Variations in dissolved greenhouse gases (CO ₂ and CH ₄) in a tropical headwater stream. <i>Journal of Hydrology</i> , 2019, 579, 124202.	1.3	93
1490	River network overwhelmingly driven by fluvial-wetland connectivity. <i>Biogeosciences</i> , 2019, 16, 3801-3834.	1.3	13
1491	Carbon dioxide (CO ₂) concentrations and emission in the newly constructed Belo Monte hydropower complex in the Xingu River, Amazonia. <i>Biogeosciences</i> , 2019, 16, 3527-3542.	2.3	24
1492	Impact factors of dissolved organic carbon and the transport in a river-lake continuum in the Tibet Plateau of China. <i>Journal of Hydrology</i> , 2019, 579, 124202.	0.9	1
1493	Seasonal freshening of NW Mediterranean surface water impacts microbial heterotrophic activity and dissolved organic matter. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 230, 106448.	1.3	22
1494	Peatland Contribution to Stream Organic Carbon Exports From a Montane Watershed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3448-3464.	1.2	2
1495	Cladoceran (Crustacea) Niches, Sex, and Sun Bathing—A Long-Term Record of Tundra Lake (Lapland) Functioning and Paleo-Optics. <i>Water (Switzerland)</i> , 2019, 11, 2008.	1.3	26
1496	Effects of eutrophication on sedimentary organic carbon cycling in five temperate lakes. <i>Biogeosciences</i> , 2019, 16, 3725-3746.	1.5	47
1497	Diversity, Ecology, and Prevalence of Antimicrobials in Nature. <i>Frontiers in Microbiology</i> , 2019, 10, 2518.	1.6	82
1498	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.	1.1	68
1499	Perspective on the response of marine calcifiers to global warming and ocean acidification—Behavior of corals and foraminifera in a high CO ₂ world “hot house”. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	1.3	3
1500	Compositional Characteristics of Fluvial Particulate Organic Matter Exported From the World's Largest Alpine Wetland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2709-2727.	0.4	11
1501	Big things come in small packages: why limnologists should care about small ponds. <i>Acta Limnologica Brasiliensia</i> , 0, 31, .	1.9	21
1502	A new dense 18-year time series of surface water fraction estimates from MODIS for the Mediterranean region. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3037-3056.	3.9	43
1503	Remote sensing and modeling fusion for investigating the ecosystem water-carbon coupling processes. <i>Science of the Total Environment</i> , 2019, 697, 134064.	1.7	3
1504	Carbon and nitrogen exports from forested headwater catchment in southwestern Japan. <i>Biogeochemistry</i> , 2019, 145, 35-46.	1.1	12
1504	Spatiotemporal Heterogeneity of Water Flowpaths Controls Dissolved Organic Carbon Sourcing in a Snow-Dominated, Headwater Catchment. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .		

#	ARTICLE	IF	CITATIONS
1505	Revealing biogeochemical signatures of Arctic landscapes with river chemistry. <i>Scientific Reports</i> , 2019, 9, 12894.	1.6	47
1506	Supply, Demand, and In-Stream Retention of Dissolved Organic Carbon and Nitrate During Storms in Mediterranean Forested Headwater Streams. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	24
1507	The Contribution from Particulate Organic Carbon (Poc) to Dissolved Organic Carbon (Doc) in Eutrophic Lake Taihu, China. , 2019, , .		0
1508	Characterization of chromophoric dissolved organic matter in lakes across the Tibet-Qinghai Plateau using spectroscopic analysis. <i>Journal of Hydrology</i> , 2019, 579, 124190.	2.3	19
1509	Dissolved carbon export and CO ₂ outgassing from the lower Mississippi River â€“ Implications of future river carbon fluxes. <i>Journal of Hydrology</i> , 2019, 578, 124093.	2.3	34
1510	Decomposition in flocculent sediments of shallow freshwaters and its sensitivity to warming. <i>Freshwater Science</i> , 2019, 38, 899-916.	0.9	1
1511	Carbon dioxide exchanges and their controlling factors in Guijiang River, SW China. <i>Journal of Hydrology</i> , 2019, 578, 124073.	2.3	20
1512	Seasonality of pCO ₂ in a hardâ€water lake of the northern Great Plains: The legacy effects of climate and limnological conditions over 36 years. <i>Limnology and Oceanography</i> , 2019, 64, S118.	1.6	21
1513	Methane dynamics in a large river: a case study of the Elbe River. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	17
1514	Daily pCO ₂ and CO ₂ flux variations in a subtropical mesotrophic shallow lake. <i>Water Research</i> , 2019, 153, 29-38.	5.3	38
1515	Global patterns and dynamics of climateâ€groundwater interactions. <i>Nature Climate Change</i> , 2019, 9, 137-141.	8.1	244
1516	Groundwaterâ€Derived DIC and Carbonate Buffering Enhance Fluvial CO ₂ Evasion in Two Australian Tropical Rivers. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 312-327.	1.3	34
1517	Streambed Organic Matter Controls on Carbon Dioxide and Methane Emissions from Streams. <i>Environmental Science & Technology</i> , 2019, 53, 2364-2374.	4.6	48
1518	River channel connectivity shifts metabolite composition and dissolved organic matter chemistry. <i>Nature Communications</i> , 2019, 10, 459.	5.8	62
1519	Importance of the vegetation-groundwater-stream continuum to understand transformation of biogenic carbon in aquatic systems â€“ A case study based on a pine-maize comparison in a lowland sandy watershed (Landes de Gascogne, SW France). <i>Science of the Total Environment</i> , 2019, 661, 613-629.	3.9	14
1520	Decoupled trophic responses to longâ€term recovery from acidification and associated browning in lakes. <i>Global Change Biology</i> , 2019, 25, 1779-1792.	4.2	35
1521	The Potential Hidden Age of Dissolved Organic Carbon Exported by Peatland Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 328-341.	1.3	24
1522	Rapid daily change in surface water pCO ₂ and CO ₂ evasion: A case study in a subtropical eutrophic lake in Southern USA. <i>Journal of Hydrology</i> , 2019, 570, 486-494.	2.3	30

#	ARTICLE	IF	CITATIONS
1523	Sediment fluxes rather than oxic methanogenesis explain diffusive CH ₄ emissions from lakes and reservoirs. <i>Scientific Reports</i> , 2019, 9, 243.	1.6	59
1524	Innovations in Monitoring With Water-Quality Sensors With Case Studies on Floods, Hurricanes, and Harmful Algal Blooms. <i>Separation Science and Technology</i> , 2019, 11, 219-283.	0.0	7
1525	Radiocarbon age of different photoreactive fractions of freshwater dissolved organic matter. <i>Organic Geochemistry</i> , 2019, 135, 11-15.	0.9	5
1526	Potential effects of the invasive bivalve <i>Corbicula fluminea</i> on methane cycling processes in an urban stream. <i>Biogeochemistry</i> , 2019, 144, 181-195.	1.7	3
1527	Perspectives on provenance and alteration of suspended and sedimentary organic matter in the subtropical Pearl River system, South China. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 270-287.	1.6	29
1528	Carbon dioxide fluxes of air-exposed sediments and desiccating ponds. <i>Biogeochemistry</i> , 2019, 144, 165-180.	1.7	10
1529	Greenhouse gas measurement from Chinese freshwater bodies: A review. <i>Journal of Cleaner Production</i> , 2019, 233, 368-378.	4.6	77
1530	High-Resolution Spatial Sampling Identifies Groundwater as Driver of CO ₂ Dynamics in an Alpine Stream Network. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1961-1976.	1.3	37
1531	Environmental Controls on the Riverine Export of Dissolved Black Carbon. <i>Global Biogeochemical Cycles</i> , 2019, 33, 849-874.	1.9	16
1532	Carbon Dioxide Concentrations and Efflux from Permanent, Semi-Permanent, and Temporary Subalpine Ponds. <i>Wetlands</i> , 2019, 39, 955-969.	0.7	5
1533	Exploring the Sources of Unexpected High Methane Concentrations and Fluxes From Alpine Headwater Streams. <i>Geophysical Research Letters</i> , 2019, 46, 6614-6625.	1.5	17
1534	Estimating lake-climate responses from sparse data: An application to high elevation lakes. <i>Limnology and Oceanography</i> , 2019, 64, 1371-1385.	1.6	11
1535	Physically controlled CO ₂ effluxes from a reservoir surface in the upper Mekong River Basin: a case study in the Gongguoqiao Reservoir. <i>Biogeosciences</i> , 2019, 16, 2205-2219.	1.3	6
1536	Enhanced Aquatic Respiration Associated With Mixing of Clearwater Tributary and Turbid Amazon River Waters. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	17
1537	Runoff, soil loss, and sources of particulate organic carbon delivered to streams by sugarcane and riparian areas: An isotopic approach. <i>Catena</i> , 2019, 181, 104083.	2.2	27
1538	Differentiation in Aquatic Metabolism between Littoral Habitats with Floating-Leaved and Submerged Macrophyte Growth Forms in a Shallow Eutrophic Lake. <i>Water (Switzerland)</i> , 2019, 11, 287.	1.2	8
1539	The importance of sewage effluent discharge in the export of dissolved organic carbon from U.K. rivers. <i>Hydrological Processes</i> , 2019, 33, 1851-1864.	1.1	14
1540	Linking landscape heterogeneity with lake dissolved organic matter properties assessed through absorbance and fluorescence spectroscopy: Spatial and seasonal patterns in temperate lakes of Southern Andes (Patagonia, Argentina). <i>Science of the Total Environment</i> , 2019, 686, 223-235.	3.9	36

#	ARTICLE	IF	CITATIONS
1541	Geochemical discrimination of bulk organic matter in surface sediments of the Cross River estuary system and adjacent shelf, South East Nigeria (West Africa). <i>Science of the Total Environment</i> , 2019, 678, 351-368.	3.9	29
1542	Emergy-based accounting method for aquatic ecosystem services valuation: A case of China. <i>Journal of Cleaner Production</i> , 2019, 230, 55-68.	4.6	43
1543	A first assessment of megaherbivore subsidies in artificial waterholes in Hwange National Park, Zimbabwe. <i>Hydrobiologia</i> , 2019, 837, 161-175.	1.0	8
1544	Taxonomic structure and potential nitrogen metabolism of microbial assemblage in a large hypereutrophic steppe lake. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21151-21160.	2.7	8
1545	Assessment of variations in dissolved organic matter in contrasting streams in the Pampas and Patagonian regions (Argentina). <i>Marine and Freshwater Research</i> , 2019, 70, 698.	0.7	8
1546	Identifying the Molecular Signatures of Agricultural Expansion in Amazonian Headwater Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1637-1650.	1.3	53
1547	Bacterial community composition and diversity in Koshi River, the largest river of Nepal. <i>Ecological Indicators</i> , 2019, 104, 501-511.	2.6	32
1548	Specific sediment yield model for reservoirs with medium-sized basins in Spain: An empirical and statistical approach. <i>Science of the Total Environment</i> , 2019, 681, 82-101.	3.9	15
1549	High carbon burial rates by small ponds in the landscape. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 25-31.	1.9	28
1550	Carbon Exports from Terrestrial Ecosystems: A Critical-Zone Framework. <i>Ecosystems</i> , 2019, 22, 1691-1705.	1.6	19
1551	Shining light on the storm: in-stream optics reveal hysteresis of dissolved organic matter character. <i>Biogeochemistry</i> , 2019, 143, 275-291.	1.7	16
1552	Multidecadal carbon sequestration in a headwater boreal lake. <i>Limnology and Oceanography</i> , 2019, 64, S150.	1.6	13
1553	Synergistic effects of urban tributary mixing on dissolved organic matter biodegradation in an impounded river system. <i>Science of the Total Environment</i> , 2019, 676, 105-119.	3.9	25
1554	Soils Drowned in Water Impoundments: A New Frontier. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	3
1555	Landscape process domains drive patterns of CO ₂ evasion from river networks. <i>Limnology and Oceanography Letters</i> , 2019, 4, 87-95.	1.6	70
1556	Carbon Dynamics Along the Seine River Network: Insight From a Coupled Estuarine/River Modeling Approach. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	7
1557	CO ₂ degassing from Pico Island (Azores, Portugal) volcanic lakes. <i>Limnologica</i> , 2019, 76, 72-81.	0.7	10
1558	Bacterial Diversity in Alpine Lakes: A Review from the Third Pole Region. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 387-396.	1.1	8

#	ARTICLE	IF	CITATIONS
1559	Understanding transport and transformation of dissolved inorganic carbon (DIC) in the reservoir system using $\delta^{13}\text{C}_{\text{DIC}}$ and water chemistry. <i>Journal of Hydrology</i> , 2019, 574, 193-201.	2.3	30
1560	Tracking Open Versus Closed Canopy Boreal Forest Using the Geochemistry of Lake Sediment Deposits. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1278-1289.	1.3	0
1561	Light Absorption Budget in a Reservoir Cascade System with Widely Differing Optical Properties. <i>Water (Switzerland)</i> , 2019, 11, 229.	1.2	6
1562	Redistribution of Soil Organic Carbon Induced by Soil Erosion in the Nine River Basins of China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1018-1031.	1.3	19
1563	Carbon budgets of wetland ecosystems in China. <i>Global Change Biology</i> , 2019, 25, 2061-2076.	4.2	81
1564	Greenhouse gas emissions from urban ponds are driven by nutrient status and hydrology. <i>Ecosphere</i> , 2019, 10, e02643.	1.0	49
1565	Integrating terrestrial and aquatic processes toward watershed scale modeling of dissolved organic carbon fluxes. <i>Environmental Pollution</i> , 2019, 249, 125-135.	3.7	36
1566	Distinct air-water gas exchange regimes in low- and high-energy streams. <i>Nature Geoscience</i> , 2019, 12, 259-263.	5.4	102
1567	Aquatic carbon fluxes dampen the overall variation of net ecosystem productivity in the Amazon basin: An analysis of the interannual variability in the boundless carbon cycle. <i>Global Change Biology</i> , 2019, 25, 2094-2111.	4.2	34
1568	Carbon dioxide measurement in Irish blanket peatlands: An assessment of pool-soil flux variability. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 487-498.	1.0	3
1569	Towards a more complete quantification of the global carbon cycle. <i>Biogeosciences</i> , 2019, 16, 831-846.	1.3	24
1570	Geomorphological controls on fluvial carbon storage in headwater peatlands. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1675.	1.2	5
1571	Reduced Rainfall Increases Metabolic Rates in Upper Mixed Layers of Tropical Lakes. <i>Ecosystems</i> , 2019, 22, 1406-1423.	1.6	6
1572	Seasonal and spatial variability of CO ₂ in aquatic environments of the central lowland Amazon basin. <i>Biogeochemistry</i> , 2019, 143, 133-149.	1.7	11
1573	Eutrophication will increase methane emissions from lakes and impoundments during the 21st century. <i>Nature Communications</i> , 2019, 10, 1375.	5.8	299
1574	Soil frost effects on streamflow recessions in a subarctic catchment. <i>Hydrological Processes</i> , 2019, 33, 1304-1316.	1.1	17
1575	Monthly changes in CO_2 in the Ganges River: implications for carbon release from soil to the atmosphere via inland waters. <i>J Agricultural Meteorology</i> , 2019, 75, 47-55.	0.8	5
1576	Methane dynamics in the subsaline ponds of the Chihuahuan Desert: A first assessment. <i>Science of the Total Environment</i> , 2019, 666, 1255-1264.	3.9	8

#	ARTICLE	IF	CITATIONS
1577	High Methane Emissions Largely Attributed to Ebullitive Fluxes from a Subtropical River Draining a Rice Paddy Watershed in China. <i>Environmental Science & Technology</i> , 2019, 53, 3499-3507.	4.6	29
1578	Improving the Accuracy of Flow Cytometric Quantification of Microbial Populations in Sediments: Importance of Cell Staining Procedures. <i>Frontiers in Microbiology</i> , 2019, 10, 720.	1.5	11
1579	Land use change alters the radiocarbon age and composition of soil and water-soluble organic matter in the Brazilian Cerrado. <i>Geoderma</i> , 2019, 345, 38-50.	2.3	15
1580	Holocene Carbon Burial in Lakes of the Uinta Mountains, Utah, USA. <i>Quaternary</i> , 2019, 2, 13.	1.0	3
1581	Ideas and perspectives: Carbon leaks from flooded land: do we need to replumb the inland water active pipe?. <i>Biogeosciences</i> , 2019, 16, 769-784.	1.3	63
1582	Assessment of sediment and organic carbon exports into the Arctic ocean: The case of the Yenisei River basin. <i>Water Research</i> , 2019, 158, 118-135.	5.3	46
1583	A General Lake Model (GLM 3.0) for linking with high-frequency sensor data from the Global Lake Ecological Observatory Network (GLEON). <i>Geoscientific Model Development</i> , 2019, 12, 473-523.	1.3	125
1584	Environmental conditions for phytoplankton influenced carbon dynamics in boreal lakes. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	18
1585	Mountain lakes: Eyes on global environmental change. <i>Global and Planetary Change</i> , 2019, 178, 77-95.	1.6	185
1586	Evidence for conservative transport of dissolved organic carbon in major river basins in the Gulf of Maine Watershed. <i>Journal of Hydrology</i> , 2019, 573, 755-767.	2.3	4
1587	High carbon emissions from thermokarst lakes of Western Siberia. <i>Nature Communications</i> , 2019, 10, 1552.	5.8	98
1588	Sources of dissolved organic carbon (DOC) in a mixed land use catchment (Exe, UK). <i>Science of the Total Environment</i> , 2019, 666, 165-175.	3.9	14
1589	Assessment on applicability of common source tracking tools for particulate organic matter in controlled end member mixing experiments. <i>Science of the Total Environment</i> , 2019, 666, 187-196.	3.9	23
1590	A review of carbon sink or source effect on artificial reservoirs. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2161-2174.	1.8	21
1591	Megathrust earthquake drives drastic organic carbon supply to the hadal trench. <i>Scientific Reports</i> , 2019, 9, 1553.	1.6	58
1592	Effects of seasonality, trophic state and landscape properties on CO ₂ saturation in low-latitude lakes and reservoirs. <i>Science of the Total Environment</i> , 2019, 664, 283-295.	3.9	19
1593	Sediment Trapping and Carbon Sequestration in Floodplains of the Lower Atchafalaya Basin, LA: Allochthonous Versus Autochthonous Carbon Sources. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 663-677.	1.3	30
1594	Gas transfer velocities of CO ₂ in subtropical monsoonal climate streams and small rivers. <i>Biogeosciences</i> , 2019, 16, 681-693.	1.3	17

#	ARTICLE	IF	CITATIONS
1595	Using $\delta^{13}\text{C}$ to reveal the importance of different water transport pathways in two nested karst basins, Southwest China. <i>Journal of Hydrology</i> , 2019, 571, 425-436.	2.3	12
1596	Dissolved carbon and CDOM in lake ice and underlying waters along a salinity gradient in shallow lakes of Northeast China. <i>Journal of Hydrology</i> , 2019, 571, 545-558.	2.3	27
1597	Microbial Organic Matter Utilization in High-Arctic Streams: Key Enzymatic Controls. <i>Microbial Ecology</i> , 2019, 78, 539-554.	1.4	17
1598	A global lake and reservoir volume analysis using a surface water dataset and satellite altimetry. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 669-690.	1.9	164
1599	Solar UV radiation in a changing world: roles of cryosphere–land–water–atmosphere interfaces in global biogeochemical cycles. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 747-774.	1.6	49
1600	Floodplain dynamics in North American permafrost regions under a warming climate and implications for organic carbon stocks: A review and synthesis. <i>Earth-Science Reviews</i> , 2019, 193, 24-44.	4.0	28
1601	Microbial metabolic strategies for overcoming low-oxygen in naturalized freshwater reservoirs surrounding the Athabasca Oil Sands: A proxy for End-Pit Lakes?. <i>Science of the Total Environment</i> , 2019, 665, 113-124.	3.9	10
1602	Evaluations of Climate and Land Management Effects on Lake Carbon Cycling Need to Account for Temporal Variability in CO_2 Concentrations. <i>Global Biogeochemical Cycles</i> , 2019, 33, 243-265.	1.9	28
1603	Hydrological Versus Biological Drivers of Nutrient and Carbon Dioxide Dynamics in a Coastal Lagoon. <i>Estuaries and Coasts</i> , 2019, 42, 1015-1031.	1.0	22
1604	Anammox response to natural and anthropogenic impacts over the Yangtze River. <i>Science of the Total Environment</i> , 2019, 665, 171-180.	3.9	34
1605	Correlations between water quality and the structure and connectivity of the river network in the Southern Jiangsu Plain, Eastern China. <i>Science of the Total Environment</i> , 2019, 664, 583-594.	3.9	61
1606	Geographically widespread ^{13}C depletion of grazing caddis larvae: A third way of fuelling stream food webs?. <i>Freshwater Biology</i> , 2019, 64, 787-798.	1.2	3
1607	Applicability and consequences of the integration of alternative models for CO_2 transfer velocity into a process-based lake model. <i>Biogeosciences</i> , 2019, 16, 3297-3317.	1.3	5
1608	LINX I and II: Lessons Learned and Emerging Questions. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	4
1609	Dynamics and potential drivers of CO_2 concentration and evasion across temporal scales in high-alpine streams. <i>Environmental Research Letters</i> , 2019, 14, 124082.	2.2	13
1610	Quantifying DOC and Its Controlling Factors in Major Arctic Rivers during Ice-Free Conditions using Sentinel-2 Data. <i>Remote Sensing</i> , 2019, 11, 2904.	1.8	6
1611	Stable isotopes reveal independent carbon pools across an Arctic hydro-climatic gradient: Implications for the fate of carbon in warmer and drier conditions. <i>Limnology and Oceanography Letters</i> , 2019, 4, 205-213.	1.6	15
1612	Increased Lateral Transfer of Soil Organic Carbon Induced by Climate and Vegetation Changes Over the Southeast Coastal Region of China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3902-3915.	1.3	2

#	ARTICLE	IF	CITATIONS
1613	Water reservoirs are important sinks for greenhouse gases. <i>Dams and Reservoirs</i> , 2019, 29, 128-132.	0.1	0
1614	Dissolved organic carbon leaching flux in a mixed agriculture and forest watershed in Rwanda. <i>Journal of Hydrology: Regional Studies</i> , 2019, 26, 100633.	1.0	6
1616	Signatures of Molecular Unification and Progressive Oxidation Unfold in Dissolved Organic Matter of the Ob-Irtysh River System along Its Path to the Arctic Ocean. <i>Scientific Reports</i> , 2019, 9, 19487.	1.6	23
1617	Applicability evaluation of Landsat-8 for estimating low concentration colored dissolved organic matter in inland water. <i>Geocarto International</i> , 2022, 37, 1-15.	1.7	30
1618	Controls of Land Use and the River Continuum Concept on Dissolved Organic Matter Composition in an Anthropogenically Disturbed Subtropical Watershed. <i>Environmental Science & Technology</i> , 2020, 54, 195-206.	4.6	54
1619	Exploring Silica Stoichiometry on a Large Floodplain Riverscape. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	8
1620	Complexities of Stable Carbon and Nitrogen Isotope Biogeochemistry in Ancient Freshwater Ecosystems: Implications for the Study of Past Subsistence and Environmental Change. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	71
1621	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. <i>Biogeochemistry</i> , 2019, 146, 105-123.	1.7	33
1622	Deriving Particulate Organic Carbon in Coastal Waters from Remote Sensing: Inter-Comparison Exercise and Development of a Maximum Band-Ratio Approach. <i>Remote Sensing</i> , 2019, 11, 2849.	1.8	22
1623	Impact of Land Cover Types on Riverine CO ₂ Outgassing in the Yellow River Source Region. <i>Water (Switzerland)</i> , 2019, 11, 2243.	1.2	7
1624	A spectral space partition guided ensemble method for retrieving chlorophyll-a concentration in inland waters from Sentinel-2A satellite imagery. <i>Journal of Great Lakes Research</i> , 2019, 45, 454-465.	0.8	29
1625	Multidecadal climate-induced changes in Arctic tundra lake geochemistry and geomorphology. <i>Limnology and Oceanography</i> , 2019, 64, S179.	1.6	12
1626	Convection in Lakes. <i>Annual Review of Fluid Mechanics</i> , 2019, 51, 189-215.	10.8	85
1627	CO ₂ Uptake in the Shallow Coastal Ecosystems Affected by Anthropogenic Impacts. , 2019, , 295-319.		6
1628	A Novel Approach To Quantify Air-Water Gas Exchange in Shallow Surface Waters Using High-Resolution Time Series of Dissolved Atmospheric Gases. <i>Environmental Science & Technology</i> , 2019, 53, 1463-1470.	4.6	18
1629	An affordable and reliable assessment of aquatic decomposition: Tailoring the Tea Bag Index to surface waters. <i>Water Research</i> , 2019, 151, 31-43.	5.3	37
1630	Diffuse CO ₂ flux emission in two maar crater lakes from S�o Miguel Island (Azores, Portugal). <i>Journal of Volcanology and Geothermal Research</i> , 2019, 369, 188-202.	0.8	10
1631	Optical and molecular signatures of dissolved organic matter in Xiangxi Bay and mainstream of Three Gorges Reservoir, China: Spatial variations and environmental implications. <i>Science of the Total Environment</i> , 2019, 657, 1274-1284.	3.9	95

#	ARTICLE	IF	CITATIONS
1632	Carbon dioxide emission coupled extracellular enzyme activity at land-water interface predict C-eutrophication and heavy metal contamination in Ganga River, India. <i>Ecological Indicators</i> , 2019, 99, 349-364.	2.6	22
1633	Net primary productivity dynamics and associated hydrological driving factors in the floodplain wetland of China's largest freshwater lake. <i>Science of the Total Environment</i> , 2019, 659, 302-313.	3.9	55
1634	Drivers of interannual and intra-annual variability of dissolved organic carbon concentration in the River Thames between 1884 and 2013. <i>Hydrological Processes</i> , 2019, 33, 994-1012.	1.1	10
1635	Riverine carbon dioxide evasion along a high-relief watercourse derived from seasonal dynamics of the water-atmosphere gas exchange. <i>Science of the Total Environment</i> , 2019, 657, 1311-1322.	3.9	5
1636	Highly Dynamic Methane Emission from the West Siberian Boreal Floodplains. <i>Wetlands</i> , 2019, 39, 217-226.	0.7	10
1637	Colored organic matter increases CO ₂ in meso-eutrophic lake water through altered light climate and acidity. <i>Limnology and Oceanography</i> , 2019, 64, 744-756.	1.6	23
1638	Variations of DOM quantity and compositions along WWTPs-river-lake continuum: Implications for watershed environmental management. <i>Chemosphere</i> , 2019, 218, 468-476.	4.2	51
1639	Periphytic algae decouple fungal activity from leaf litter decomposition via negative priming. <i>Functional Ecology</i> , 2019, 33, 188-201.	1.7	50
1640	Controls on fluvial carbon efflux from eroding peatland catchments. <i>Hydrological Processes</i> , 2019, 33, 361-371.	1.1	6
1641	Dissolved organic carbon in permafrost regions: A review. <i>Science China Earth Sciences</i> , 2019, 62, 349-364.	2.3	41
1642	Differential Response of Greenhouse Gas Evasion to Storms in Forested and Wetland Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 649-662.	1.3	33
1643	Improving estimates and forecasts of lake carbon dynamics using data assimilation. <i>Limnology and Oceanography: Methods</i> , 2019, 17, 97-111.	1.0	3
1644	Impact of planktonic low nucleic acid-content bacteria to bacterial community structure and associated ecological functions in a shallow lake. <i>Science of the Total Environment</i> , 2019, 658, 868-878.	3.9	28
1645	Large-scale Landscape Drivers of CO ₂ , CH ₄ , DOC, and DIC in Boreal River Networks. <i>Global Biogeochemical Cycles</i> , 2019, 33, 125-142.	1.9	35
1646	The carbon pump supports high primary production in a shallow lake. <i>Aquatic Sciences</i> , 2019, 81, 1.	0.6	17
1647	DOM composition alters ecosystem function during microbial processing of isolated sources. <i>Biogeochemistry</i> , 2019, 142, 281-298.	1.7	96
1648	Deciphering the origins, composition and microbial fate of dissolved organic matter in agro-urban headwater streams. <i>Science of the Total Environment</i> , 2019, 659, 1484-1495.	3.9	25
1649	Interactive effects of hydrological conditions on soil respiration in China's Horqin sandy land: An example of dune-meadow cascade ecosystem. <i>Science of the Total Environment</i> , 2019, 651, 3053-3063.	3.9	8

#	ARTICLE	IF	CITATIONS
1650	Temporal controls on dissolved organic carbon biodegradation in subtropical rivers: Initial chemical composition versus stoichiometry. <i>Science of the Total Environment</i> , 2019, 651, 3064-3069.	3.9	29
1651	Petrogenic organic carbon retention in terrestrial basins: A case study from perialpine Lake Constance. <i>Chemical Geology</i> , 2019, 503, 52-60.	1.4	9
1652	Hydrological and Biogeochemical Controls of Seasonality in Dissolved Organic Matter Delivery to a Blackwater Estuary. <i>Estuaries and Coasts</i> , 2019, 42, 439-454.	1.0	8
1653	Of Small Streams and Great Lakes: Integrating Tributaries to Understand the Ecology and Biogeochemistry of Lake Superior. <i>Journal of the American Water Resources Association</i> , 2019, 55, 442-458.	1.0	15
1654	Effects of trophic status, water level, and temperature on shallow lake metabolism and metabolic balance: A standardized pan-European mesocosm experiment. <i>Limnology and Oceanography</i> , 2019, 64, 616-631.	1.6	23
1655	Hydrological pulses and burning of dissolved organic carbon by stream respiration. <i>Limnology and Oceanography</i> , 2019, 64, 406-421.	1.6	50
1656	Impoundment intensity determines temporal patterns of hydrological fluctuation, carbon cycling and algal succession in a dammed lake of Southwest China. <i>Water Research</i> , 2019, 148, 162-175.	5.3	29
1657	Non-point source-driven carbon and nutrient loading to Ganga River (India). <i>Chemistry and Ecology</i> , 2019, 35, 344-360.	0.6	10
1658	CO ₂ fluxes from aquaculture ponds of a tropical wetland: Potential of multiple lime treatment in reduction of CO ₂ emission. <i>Science of the Total Environment</i> , 2019, 655, 1321-1333.	3.9	21
1659	A review on biological systems for CO ₂ sequestration: Organisms and their pathways. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 127-136.	1.3	53
1660	Long term follow-up of pCO ₂ , pCH ₄ and emissions from Eastmain 1 boreal reservoir, and the Rupert diversion bays, Canada. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 529-540.	1.0	6
1661	Ecohydrological determinants of seasonality and export of total organic carbon in Narew River with high peatland contribution (north-eastern Poland). <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 1-13.	1.0	6
1662	Annual bacterial community cycle in a seasonally ice-covered river reflects environmental and climatic conditions. <i>Limnology and Oceanography</i> , 2020, 65, S21.	1.6	59
1663	Effect of catchment lithology on dissolved inorganic carbon budgets in suburban streams of Baltimore, Maryland, during rainfall minima. <i>Geosciences Journal</i> , 2020, 24, 85-96.	0.6	6
1664	Unraveling long-term changes in lake color based on optical properties of lake sediment. <i>Science of the Total Environment</i> , 2020, 699, 134388.	3.9	15
1665	Carbon and nutrients as indicators of daily fluctuations of pCO ₂ and CO ₂ flux in a river draining a rapidly urbanizing area. <i>Ecological Indicators</i> , 2020, 109, 105821.	2.6	45
1666	Carbon dioxide supersaturation in high-elevation oligotrophic lakes and reservoirs in the Sierra Nevada, California. <i>Limnology and Oceanography</i> , 2020, 65, 612-626.	1.6	5
1667	New insights into the variation of dissolved organic matter components in different latitudinal lakes of northeast China. <i>Limnology and Oceanography</i> , 2020, 65, 471-481.	1.6	23

#	ARTICLE	IF	CITATIONS
1668	Time-varying responses of lake metabolism to light and temperature. <i>Limnology and Oceanography</i> , 2020, 65, 652-666.	1.6	21
1669	Strong effects of elevated CO ₂ on freshwater microalgae and ecosystem chemistry. <i>Limnology and Oceanography</i> , 2020, 65, 304-313.	1.6	16
1670	Contribution of Microbes in the Renovation of Wetlands. , 2020, , 101-124.		5
1671	Plant phylogenetic history explains in-stream decomposition at a global scale. <i>Journal of Ecology</i> , 2020, 108, 17-35.	1.9	30
1672	Greenhouse gas fluxes and mitigation potential for managed lands in the Russian Federation. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2020, 25, 661-687.	1.0	22
1673	Influence of land use and rainfall on the optical properties of dissolved organic matter in a key drinking water reservoir in China. <i>Science of the Total Environment</i> , 2020, 699, 134301.	3.9	64
1674	Land-use controls on carbon biogeochemistry in lowland streams of the Congo Basin. <i>Global Change Biology</i> , 2020, 26, 1374-1389.	4.2	30
1675	Warming enhances the stimulatory effect of algal exudates on dissolved organic carbon decomposition. <i>Freshwater Biology</i> , 2020, 65, 1288-1297.	1.2	13
1676	Geomorphic controls on floodplain sediment and soil organic carbon storage in a Scottish mountain river. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 207-223.	1.2	19
1677	Accurate determination of the total alkalinity and the CO ₂ system parameters in high-altitude lakes from the Western Pyrenees (France - Spain). <i>Microchemical Journal</i> , 2020, 152, 104345.	2.3	3
1678	Space-Based Observations for Understanding Changes in the Arctic-Boreal Zone. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000652.	9.0	39
1679	The Net Landscape Carbon Balance—Integrating terrestrial and aquatic carbon fluxes in a managed boreal forest landscape in Sweden. <i>Global Change Biology</i> , 2020, 26, 2353-2367.	4.2	28
1680	Isotope Constraints on the Sources of Particulate Organic Carbon in a Subtropical Deep Reservoir. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005240.	1.3	2
1681	Carbon and nitrogen recycling during cyanohABs in dreissenid-invaded and non-invaded US midwestern lakes and reservoirs. <i>Hydrobiologia</i> , 2020, 847, 939-965.	1.0	8
1682	Inter-annual simulation of global carbon cycle variations in a terrestrial-aquatic continuum. <i>Hydrological Processes</i> , 2020, 34, 662-678.	1.1	17
1683	Nutrients and organic carbons in river waters of the Third Pole. , 2020, , 179-209.		1
1684	Climatic and anthropogenic regulation of carbon transport and transformation in a karst river-reservoir system. <i>Science of the Total Environment</i> , 2020, 707, 135628.	3.9	40
1685	Light and temperature mediate algal stimulation of heterotrophic activity on decomposing leaf litter. <i>Freshwater Biology</i> , 2020, 65, 1210-1222.	1.2	15

#	ARTICLE	IF	CITATIONS
1686	A Season of Eddy-Covariance Fluxes Above an Extensive Water Body Based on Observations from a Floating Platform. <i>Boundary-Layer Meteorology</i> , 2020, 174, 433-464.	1.2	5
1687	Fluvial CO ₂ and CH ₄ patterns across wildfire-disturbed ecozones of subarctic Canada: Current status and implications for future change. <i>Global Change Biology</i> , 2020, 26, 2304-2319.	4.2	22
1688	Spatial variability of the surface energy balance of Lake Kasumigaura and implications for flux measurements. <i>Hydrological Sciences Journal</i> , 2020, 65, 401-414.	1.2	5
1689	Carbon accumulation in the red clay layer of the subsoil in a major river delta: Contribution of secondary carbonate. <i>Catena</i> , 2020, 186, 104391.	2.2	5
1690	Seasonal variation and ecological risk assessment of dissolved organic matter in a peri-urban critical zone observatory watershed. <i>Science of the Total Environment</i> , 2020, 707, 136093.	3.9	34
1691	Biogeochemical and physical controls on the evolution of dissolved inorganic carbon (DIC) and $\delta^{13}C_{DIC}$ in karst spring-waters exposed to atmospheric CO ₂ (g): Insights from laboratory experiments. <i>Journal of Hydrology</i> , 2020, 583, 124294.	2.3	9
1692	Mapping gas exchanges in headwater streams with membrane inlet mass spectrometry. <i>Journal of Hydrology</i> , 2020, 581, 124398.	2.3	16
1693	Reviewing the role of plant litter inputs to forested wetland ecosystems: leafing through the literature. <i>Ecological Monographs</i> , 2020, 90, e01400.	2.4	31
1694	Characterizing DOC sources in China's Haihe River basin using spectroscopy and stable carbon isotopes. <i>Environmental Pollution</i> , 2020, 258, 113684.	3.7	26
1695	Does a large delta-fan sedimentary archive faithfully record floodplain vegetation composition?. <i>Quaternary Science Reviews</i> , 2020, 228, 106108.	1.4	5
1696	Where does the river end? Drivers of spatiotemporal variability in CO ₂ concentration and flux in the inflow area of a large boreal lake. <i>Limnology and Oceanography</i> , 2020, 65, 1161-1174.	1.6	8
1697	Eutrophic Lake Taihu as a significant CO ₂ source during 2000-2015. <i>Water Research</i> , 2020, 170, 115331.	5.3	85
1698	Molecular differences between water column and sediment pore water SPE-DOM in ten Swedish boreal lakes. <i>Water Research</i> , 2020, 170, 115320.	5.3	45
1699	Alkalinity and dissolved inorganic carbon exports from tropical and subtropical river catchments discharging to the Great Barrier Reef, Australia. <i>Hydrological Processes</i> , 2020, 34, 1530-1544.	1.1	14
1700	Relative influence of forest and cropland on fluvial transport of soil organic carbon and nitrogen in the Nen River basin, northeastern China. <i>Journal of Hydrology</i> , 2020, 582, 124526.	2.3	7
1701	Ecosystem Services of Kettle Holes in Agricultural Landscapes. <i>Agronomy</i> , 2020, 10, 1326.	1.3	15
1702	Rainfall possibly disturbs the diurnal pattern of CO ₂ degassing in the Lijiang River, SW China. <i>Journal of Hydrology</i> , 2020, 590, 125540.	2.3	9
1703	Water Footprint Management for Sustainable Growth in the Bangladesh Apparel Sector. <i>Water (Switzerland)</i> , 2020, 12, 2760.	1.2	15

#	ARTICLE	IF	CITATIONS
1704	Satellite Estimation of Dissolved Carbon Dioxide Concentrations in China's Lake Taihu. Environmental Science & Technology, 2020, 54, 13709-13718.	4.6	24
1705	Methane and Carbon Dioxide Emissions From Reservoirs: Controls and Upscaling. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005474.	1.3	26
1706	Carbon biogeochemical processes in a subtropical karst river's reservoir system. Journal of Hydrology, 2020, 591, 125590.	2.3	21
1707	Spatial and temporal variability of methane emissions from cascading reservoirs in the Upper Mekong River. Water Research, 2020, 186, 116319.	5.3	29
1708	Ecological Synthesis and Its Role in Advancing Knowledge. BioScience, 0, , .	2.2	4
1709	Organic matter degradation characteristics of coastal marine sediments collected from the Seto Inland Sea, Japan. Marine Chemistry, 2020, 225, 103854.	0.9	13
1710	Upper Midwest lakes are supersaturated with N ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17063-17067.	3.3	27
1711	Drivers of seasonal- and event-scale DOC dynamics at the outlet of mountainous peatlands revealed by high-frequency monitoring. Biogeosciences, 2020, 17, 3705-3722.	1.3	10
1712	Particulate organic carbon dynamics with sediment transport in the upper Yangtze River. Water Research, 2020, 184, 116193.	5.3	24
1713	Diverse drivers of long-term CO ₂ increases across thirteen boreal lakes and streams. Inland Waters, 2020, 10, 360-372.	1.1	9
1714	Source identification of suspended and deposited organic matter in an alpine river with elemental, stable isotopic, and molecular proxies. Journal of Hydrology, 2020, 590, 125492.	2.3	11
1715	A new Alpine geo-lithological map (Alpine-Geo-LiM) and global carbon cycle implications. Bulletin of the Geological Society of America, 2020, 132, 2004-2022.	1.6	1
1716	Ecosystem-Scale Oxygen Manipulations Alter Terminal Electron Acceptor Pathways in a Eutrophic Reservoir. Ecosystems, 2021, 24, 1281-1298.	1.6	7
1717	Sediment carbon storage increases in tropical, oligotrophic, high mountain lakes. Anthropocene, 2020, 32, 100272.	1.6	12
1718	Carbon Dioxide Partial Pressure and Emission Throughout the Scandinavian Stream Network. Global Biogeochemical Cycles, 2020, 34, e2020GB006703.	1.9	7
1719	Deciphering Linkages Between Microbial Communities and Priming Effects in Lake Sediments With Different Salinity. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005611.	1.3	6
1720	Methane and Dissolved Organic Matter in the Ground Ice Samples from Central Yamal: Implications to Biogeochemical Cycling and Greenhouse Gas Emission. Geosciences (Switzerland), 2020, 10, 450.	1.0	6
1721	Inland Waters. , 2020, , 293-360.		4

#	ARTICLE	IF	CITATIONS
1722	The net GHG emissions of the Three Gorges Reservoir in China: II. Post-impoundment GHG inventories and full-scale synthesis. <i>Journal of Cleaner Production</i> , 2020, 277, 123961.	4.6	6
1723	A new method to quantify air-water gas exchanges in streams based on slug injection and semicontinuous measurement. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 453-465.	1.0	3
1724	Using High-resolution Remote Sensing Images to Detect Freshwater Ecosystem Changes – a New Perspective of Different Ecosystem Types and Shapes. <i>Water Resources Management</i> , 2020, 34, 3565-3584.	1.9	4
1725	The CO ₂ -equivalent balance of freshwater ecosystems is non-linearly related to productivity. <i>Global Change Biology</i> , 2020, 26, 5705-5715.	4.2	29
1726	Carbon and nutrients transfer from primary producers to lake sediments – A stoichiometric approach. <i>Limnologica</i> , 2020, 83, 125794.	0.7	6
1727	Carbon Dioxide (CO ₂) Fluxes From Terrestrial and Aquatic Environments in a High-Altitude Tropical Catchment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005844.	1.3	20
1728	Dissolved organic matter biodegradation along a hydrological continuum in permafrost peatlands. <i>Science of the Total Environment</i> , 2020, 749, 141463.	3.9	15
1729	High Anthropogenic Organic Matter Inputs during a Festival Increase River Heterotrophy and Refractory Carbon Load. <i>Environmental Science & Technology</i> , 2020, 54, 10039-10048.	4.6	9
1730	Urbanization alters coastal plain stream carbon export and dissolved oxygen dynamics. <i>Science of the Total Environment</i> , 2020, 747, 141132.	3.9	19
1731	Formation of calcite in the presence of dissolved organic matter: Partitioning, fabrics and fluorescence. <i>Chemical Geology</i> , 2020, 539, 119492.	1.4	30
1732	Source and quantity of carbon influence its sequestration in Rostherne Mere (UK) sediment: a novel application of stepped combustion radiocarbon analysis. <i>Journal of Paleolimnology</i> , 2020, 64, 347-363.	0.8	5
1733	Heterogeneous CO ₂ and CH ₄ patterns across space and time in a small boreal lake. <i>Inland Waters</i> , 2020, 10, 348-359.	1.1	13
1734	Uncovering the genomic potential of the Amazon River microbiome to degrade rainforest organic matter. <i>Microbiome</i> , 2020, 8, 151.	4.9	18
1735	Estimating dissolved carbon concentrations in global soils: a global database and model. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	14
1736	Wind as a Main Driver of Spatial Variability of Surface Energy Balance Over a Shallow 10 ² km ² Scale Lake: Lake Kasumigaura, Japan. <i>Water Resources Research</i> , 2020, 56, e2020WR027173.	1.7	13
1737	Air-water gas exchange in lakes and reservoirs measured from a moving platform by underwater eddy covariance. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 424-436.	1.0	9
1738	Morphometric Control on Dissolved Organic Carbon in Subarctic Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005348.	1.3	2
1739	Microbial genetic potential for xenobiotic metabolism increases with depth during biofiltration. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2058-2069.	1.7	4

#	ARTICLE	IF	CITATIONS
1740	The importance of aromaticity to describe the interactions of organic matter with carbonaceous materials depends on molecular weight and sorbent geometry. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1888-1897.	1.7	13
1741	Spatio-Temporal Variability of Phytoplankton Primary Production in Baltic Lakes Using Sentinel-3 OLCI Data. <i>Remote Sensing</i> , 2020, 12, 2415.	1.8	5
1742	Dominance of in situ produced particulate organic carbon in a subtropical reservoir inferred from carbon stable isotopes. <i>Scientific Reports</i> , 2020, 10, 13187.	1.6	6
1743	Stormflows Drive Stream Carbon Concentration, Speciation, and Dissolved Organic Matter Composition in Coastal Temperate Rainforest Watersheds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005804.	1.3	8
1744	Imbalanced Stoichiometric Reservoir Sedimentation Regulates Methane Accumulation in China's Three Gorges Reservoir. <i>Water Resources Research</i> , 2020, 56, e2019WR026447.	1.7	20
1745	Synchronous Biodegradability and Production of Dissolved Organic Matter in Two Streams of Varying Land Use. <i>Frontiers in Microbiology</i> , 2020, 11, 568629.	1.5	7
1746	Carbon Fixation Trends in Eleven of the World's Largest Lakes: 2003–2018. <i>Water (Switzerland)</i> , 2020, 12, 3500.	1.2	13
1747	Using Community Science to Reveal the Global Chemogeography of River Metabolomes. <i>Metabolites</i> , 2020, 10, 518.	1.3	27
1748	Motile phytoplankton species such as <i>Gonyostomum semen</i> can significantly reduce CO ₂ emissions from boreal lakes. <i>Limnologia</i> , 2020, 84, 125810.	0.7	5
1749	Divergent Controls on Stream Greenhouse Gas Concentrations Across a Land-Use Gradient. <i>Ecosystems</i> , 2021, 24, 1299-1316.	1.6	24
1750	Comparing Spatial and Temporal Variation of Lake–Atmosphere Carbon Dioxide Fluxes Using Multiple Methods. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005623.	1.3	8
1751	Simulating Erosion-Induced Soil and Carbon Delivery From Uplands to Rivers in a Global Land Surface Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002121.	1.3	10
1752	Rapid Changes in Microbial Community Structures along a Meandering River. <i>Microorganisms</i> , 2020, 8, 1631.	1.6	13
1753	Global-scale daily riverine DOC fluxes from lands to the oceans with a generic model. <i>Global and Planetary Change</i> , 2020, 194, 103294.	1.6	11
1754	The Land Sparing, Water Surface Use Efficiency, and Water Surface Transformation of Floating Photovoltaic Solar Energy Installations. <i>Sustainability</i> , 2020, 12, 8154.	1.6	39
1755	Enhanced Lateral Exchange of Carbon and Nitrogen in a Coastal Wetland With Invasive <i>Spartina alterniflora</i> . <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005459.	1.3	9
1756	Managed floodplain inundation maintains ecological function in lowland rivers. <i>Science of the Total Environment</i> , 2020, 727, 138469.	3.9	14
1757	Effects of natural light and depth on rates of photo-oxidation of dissolved organic carbon in a major black-water river, the Rio Negro, Brazil. <i>Science of the Total Environment</i> , 2020, 733, 139193.	3.9	9

#	ARTICLE	IF	CITATIONS
1758	Carbon Limitation Leads to Thermodynamic Regulation of Aerobic Metabolism. <i>Environmental Science and Technology Letters</i> , 2020, 7, 517-524.	3.9	32
1759	Lake characteristics influence how methanogens in littoral sediments respond to terrestrial litter inputs. <i>ISME Journal</i> , 2020, 14, 2153-2163.	4.4	8
1760	Dynamic river processes drive variability in particulate organic matter over fine spatiotemporal scales. <i>Freshwater Biology</i> , 2020, 65, 1569-1584.	1.2	4
1761	Potential utilization of terrestrially derived dissolved organic matter by aquatic microbial communities in saline lakes. <i>ISME Journal</i> , 2020, 14, 2313-2324.	4.4	64
1762	Net ecosystem carbon budget of a grassland ecosystem in central Qinghai-Tibet Plateau: integrating terrestrial and aquatic carbon fluxes at catchment scale. <i>Agricultural and Forest Meteorology</i> , 2020, 290, 108021.	1.9	27
1763	Extraction of connected river networks from multi-temporal remote sensing imagery using a path tracking technique. <i>Remote Sensing of Environment</i> , 2020, 246, 111868.	4.6	16
1764	Ecosystem Metabolism in Small Ponds: The Effects of Floating-Leaved Macrophytes. <i>Water (Switzerland)</i> , 2020, 12, 1458.	1.2	9
1765	Experimental metatranscriptomics reveals the costs and benefits of dissolved organic matter photoalteration for freshwater microbes. <i>Environmental Microbiology</i> , 2020, 22, 3505-3521.	1.8	21
1766	Macrophytes and groundwater drive extremely high organic carbon concentration of soda pans. <i>Freshwater Biology</i> , 2020, 65, 1555-1568.	1.2	13
1767	Selective Adsorption of Terrestrial Dissolved Organic Matter to Inorganic Surfaces Along a Boreal Inland Water Continuum. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2020, 125, e2019JC005236.	1.3	33
1768	Temperature Proxies as a Solution to Biased Sampling of Lake Methane Emissions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088647.	1.5	14
1769	Holocene carbon accumulation in lakes of the current east Asian monsoonal margin: Implications under a changing climate. <i>Science of the Total Environment</i> , 2020, 737, 139723.	3.9	7
1770	The global lake area, climate, and population dataset. <i>Scientific Data</i> , 2020, 7, 174.	2.4	33
1771	Influence of Dissolved Organic Matter Sources on In-Stream Net Dissolved Organic Carbon Uptake in a Mediterranean Stream. <i>Water (Switzerland)</i> , 2020, 12, 1722.	1.2	6
1772	Ecological significance of autotroph-heterotroph microbial interactions in freshwaters. <i>Freshwater Biology</i> , 2020, 65, 1183-1188.	1.2	12
1773	Effects of chemical weathering and CO ₂ outgassing on $\delta^{13}\text{C}_{\text{DIC}}$ signals in a karst watershed. <i>Journal of Hydrology</i> , 2020, 589, 125192.	2.3	33
1774	Ecological Functioning of the Seine River: From Long-Term Modelling Approaches to High-Frequency Data Analysis. <i>Handbook of Environmental Chemistry</i> , 2020, , 189-216.	0.2	13
1775	Emission of greenhouse gases from French temperate hydropower reservoirs. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	9

#	ARTICLE	IF	CITATIONS
1776	Absorption Mode Spectral Processing Improves Data Quality of Natural Organic Matter Analysis by Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1615-1618.	1.2	13
1777	Eutrophication as a driver of microbial community structure in lake sediments. <i>Environmental Microbiology</i> , 2020, 22, 3446-3462.	1.8	51
1778	Implications of climate change for submerged macrophytes: effects of CO ₂ , flow velocity and nutrient concentration on <i>Berula erecta</i> . <i>Aquatic Ecology</i> , 2020, 54, 775-793.	0.7	17
1779	Quantitative Food Webs Indicate Modest Increases in the Transfer of Allochthonous and Autochthonous C to Macroinvertebrates Following a Large Wood Addition to a Temperate Headwater Stream. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	13
1780	Anthropogenic Impact on Tropical Perennial River in South India: Snapshot of Carbon Dynamics and Bacterial Community Composition. <i>Water (Switzerland)</i> , 2020, 12, 1354.	1.2	1
1781	Oxygen dynamics and evaluation of the single-station diel oxygen model across contrasting geologies. <i>Biogeosciences</i> , 2020, 17, 305-315.	1.3	1
1782	Why we need more paleolimnology studies in the tropics. <i>Journal of Paleolimnology</i> , 2020, 64, 47-53.	0.8	13
1783	The effect of Indian summer monsoon on the seasonal variation of carbon sequestration by a forest ecosystem over North-East India. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	22
1784	ORCHIDEE MICT-LEAK (r5459), a global model for the production, transport, and transformation of dissolved organic carbon from Arctic permafrost regions – Part 2: Model evaluation over the Lena River basin. <i>Geoscientific Model Development</i> , 2020, 13, 507-520.	1.3	12
1785	Diel cycles of $\delta^{13}\text{C}_{\text{DIC}}$ and ecosystem metabolism in ephemeral dryland streams. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	10
1786	Connections Between Daily Surface Temperature Contrast and CO ₂ Flux Over a Tibetan Lake: A Case Study of Ngoring Lake. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032277.	1.2	12
1787	Fresh groundwater discharge insignificant for the world's oceans but important for coastal ecosystems. <i>Nature Communications</i> , 2020, 11, 1260.	5.8	168
1788	Reactivity, fate and functional roles of dissolved organic matter in anoxic inland waters. <i>Biology Letters</i> , 2020, 16, 20190694.	1.0	27
1789	A national-scale data set for dissolved carbon and its spatial pattern in lakes and reservoirs across China. <i>Scientific Data</i> , 2020, 7, 82.	2.4	12
1790	Molecular Signatures of Humic Acids from Different Sources as Revealed by Ultrahigh Resolution Mass Spectrometry. <i>Journal of Chemistry</i> , 2020, 2020, 1-11.	0.9	5
1791	Transformation of DIC into POC in a karst river system: evidence from $\delta^{13}\text{C}_{\text{DIC}}$ and $\delta^{13}\text{C}_{\text{POC}}$ in Lijiang, Southwest China. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	5
1792	Impacts of Hurricane Disturbance on Water Quality across the Aquatic Continuum of a Blackwater River to Estuary Complex. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 412.	1.2	11
1793	Modeling inorganic carbon dynamics in the Seine River continuum in France. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2379-2398.	1.9	16

#	ARTICLE	IF	CITATIONS
1794	Modeling sediment diagenesis processes on riverbed to better quantify aquatic carbon fluxes and stocks in a small watershed of the Mid-Atlantic region. <i>Carbon Balance and Management</i> , 2020, 15, 13.	1.4	12
1795	Sediment distribution and organic carbon burial in a subtropical hydroelectric reservoir. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	5
1796	Variations in organic carbon sourcing along a trans-Himalayan river determined by a Bayesian mixing approach. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 159-176.	1.6	17
1797	Quality of Dissolved Organic Matter Driven by Autotrophic and Heterotrophic Microbial Processes in a Large River. <i>Water (Switzerland)</i> , 2020, 12, 1577.	1.2	6
1798	Environmental solution-state NMR spectroscopy: Recent advances, potential, and impacts. , 2020, , 27-55.		2
1799	Excitation-emission fluorescence mapping and multiway techniques for profiling natural organic matter. , 2020, , 143-167.		1
1800	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
1801	Ponds. , 2020, , 114-120.		0
1802	Major Effects of Alkalinity on the Relationship Between Metabolism and Dissolved Inorganic Carbon Dynamics in Lakes. <i>Ecosystems</i> , 2020, 23, 1566-1580.	1.6	19
1803	Stable isotopic signatures ($\delta^{13}C$ and $\delta^{15}N$) of suspended particulate organic matter as indicators for fish cage culture pollution in Sansha Bay, China. <i>Aquaculture</i> , 2020, 522, 735081.	1.7	19
1804	Magnitude and drivers of integrated fluvial network greenhouse gas emissions across the boreal landscape in QuÅ©bec. <i>Water Research</i> , 2020, 173, 115556.	5.3	16
1805	Dynamics of dissolved organic matter in headwaters: comparison of headwater streams with contrasting DOM and nutrient composition. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	11
1806	Estimates of the remineralization and burial of organic carbon in Lake Baikal sediments. <i>Journal of Great Lakes Research</i> , 2020, 46, 102-114.	0.8	14
1807	The sensitivity of the carbon sink by coupled carbonate weathering to climate and land-use changes: Sediment records of the biological carbon pump effect in Fuxian Lake, Yunnan, China, during the past century. <i>Science of the Total Environment</i> , 2020, 720, 137539.	3.9	33
1808	Modeling the coupled dynamics of stream metabolism and microbial biomass. <i>Limnology and Oceanography</i> , 2020, 65, 1573-1593.	1.6	21
1809	Spatial and temporal dynamics of pCO_2 and CO_2 flux in tropical Lake Malawi. <i>Limnology and Oceanography</i> , 2020, 65, 1594-1607.	1.6	9
1810	Comparing methane ebullition variability across space and time in a Brazilian reservoir. <i>Limnology and Oceanography</i> , 2020, 65, 1623-1634.	1.6	32
1811	Is limnology becoming increasingly abiotic, riverine, and global?. <i>Limnology and Oceanography Letters</i> , 2020, 5, 204-211.	1.6	4

#	ARTICLE	IF	CITATIONS
1812	Efficiency of crustacean zooplankton in transferring allochthonous carbon in a boreal lake. <i>Ecology</i> , 2020, 101, e03013.	1.5	17
1813	Monitoring dissolved organic carbon by combining Landsat-8 and Sentinel-2 satellites: Case study in Saginaw River estuary, Lake Huron. <i>Science of the Total Environment</i> , 2020, 718, 137374.	3.9	45
1814	Carbon dynamics in a Boreal land-stream-lake continuum during the spring freshet of two hydrologically contrasting years. <i>Biogeochemistry</i> , 2020, 148, 91-109.	1.7	3
1815	The net GHG emissions of the China Three Gorges Reservoir: I. Pre-impoundment GHG inventories and carbon balance. <i>Journal of Cleaner Production</i> , 2020, 256, 120635.	4.6	16
1816	Carbon dioxide fluxes from two typical mariculture polyculture systems in coastal China. <i>Aquaculture</i> , 2020, 521, 735041.	1.7	13
1817	Climate-Driven Changes in Dissolved Organic Carbon and Water Clarity in Arctic Lakes of West Greenland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005170.	1.3	7
1818	Carbon Dioxide Fluxes to the Atmosphere From Waters Within Flooded Forests in the Amazon Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005293.	1.3	20
1819	Changing Source-Transport Dynamics Drive Differential Browning Trends in a Boreal Stream Network. <i>Water Resources Research</i> , 2020, 56, e2019WR026336.	1.7	24
1820	The interruption of longitudinal hydrological connectivity causes delayed responses in dissolved organic matter. <i>Science of the Total Environment</i> , 2020, 713, 136619.	3.9	18
1821	Research Trends in the Use of Remote Sensing for Inland Water Quality Science: Moving Towards Multidisciplinary Applications. <i>Water (Switzerland)</i> , 2020, 12, 169.	1.2	156
1822	Enhanced Productivity and Fish Abundance at a Submarine Spring in a Coastal Lagoon on Tahiti, French Polynesia. <i>Frontiers in Marine Science</i> , 2020, 6, .	1.2	17
1823	In-lake transformations of dissolved organic matter composition in a subalpine lake do not change its biodegradability. <i>Limnology and Oceanography</i> , 2020, 65, 1554-1572.	1.6	14
1824	Large degrees of carbon isotope disequilibrium during precipitation-associated degassing of CO ₂ in a mountain stream. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 244-256.	1.6	18
1825	Methane and nitrous oxide porewater concentrations and surface fluxes of a regulated river. <i>Science of the Total Environment</i> , 2020, 715, 136920.	3.9	20
1826	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
1827	River dam impacts on biogeochemical cycling. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 103-116.	12.2	372
1828	Global Research Trends and Hotspots on Submarine Groundwater Discharge (SGD): A Bibliometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 830.	1.2	15
1829	<i>Ciceribacter ferrooxidans</i> sp. nov., a nitrate-reducing Fe(II)-oxidizing bacterium isolated from ferrous ion-rich sediment. <i>Journal of Microbiology</i> , 2020, 58, 350-356.	1.3	5

#	ARTICLE	IF	CITATIONS
1830	Carbon gas flux to and from inland waters: support for a global observation network. <i>Limnology</i> , 2020, 21, 429-442.	0.8	7
1831	Reducing Emissions From Degraded Floodplain Wetlands. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	32
1832	Modelling spatiotemporal patterns of water quality and its impacts on aquatic ecosystem in the cold climate region of Alberta, Canada. <i>Journal of Hydrology</i> , 2020, 587, 124952.	2.3	30
1833	Global CO ₂ emissions from dry inland waters share common drivers across ecosystems. <i>Nature Communications</i> , 2020, 11, 2126.	5.8	73
1834	Sources, variations, and flux of settling particulate organic matter in a subtropical karst reservoir in Southwest China. <i>Journal of Hydrology</i> , 2020, 586, 124882.	2.3	16
1835	Environmental investments decreased partial pressure of CO ₂ in a small eutrophic urban lake: Evidence from long-term measurements. <i>Environmental Pollution</i> , 2020, 263, 114433.	3.7	41
1836	The Sensitivity of Hyporheic Exchange to Fractal Properties of Riverbeds. <i>Water Resources Research</i> , 2020, 56, e2019WR026560.	1.7	21
1837	A continental scale spatial investigation of lake sediment organic compositions using sedimentomics. <i>Science of the Total Environment</i> , 2020, 719, 137746.	3.9	6
1838	Varying thermal structure controls the dynamics of CO ₂ emissions from a subtropical reservoir, south China. <i>Water Research</i> , 2020, 178, 115831.	5.3	35
1839	Measuring the influence of environmental conditions on dissolved organic matter biodegradability and optical properties: a combined field and laboratory study. <i>Biogeochemistry</i> , 2020, 149, 37-52.	1.7	7
1840	Release of dissolved organic matter (DOM) in an autotrophic and productive stream in Pampean region. <i>Hydrobiologia</i> , 2020, 847, 2279-2293.	1.0	1
1841	High organic carbon burial but high potential for methane ebullition in the sediments of an Amazonian hydroelectric reservoir. <i>Biogeosciences</i> , 2020, 17, 1495-1505.	1.3	15
1842	Drivers of diffusive CH ₄ emissions from shallow subarctic lakes on daily to multi-year timescales. <i>Biogeosciences</i> , 2020, 17, 1911-1932.	1.3	22
1843	Spatial and Temporal Variability of Nutrient Dynamics and Ecosystem Metabolism in a Hyper-eutrophic Reservoir Differ Between a Wet and Dry Year. <i>Ecosystems</i> , 2021, 24, 68-88.	1.6	19
1844	High-resolution monitoring of inland water bodies across China in long time series and water resource changes. <i>Environment, Development and Sustainability</i> , 2021, 23, 3673-3695.	2.7	4
1845	Eutrophication Drives Extreme Seasonal CO ₂ Flux in Lake Ecosystems. <i>Ecosystems</i> , 2021, 24, 434-450.	1.6	19
1846	High contribution of methane in greenhouse gas emissions from a eutrophic lake: a mass balance synthesis. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2021, 55, 411-430.	0.8	7
1847	Land-use and climate controls on aquatic carbon cycling and phototrophs in karst lakes of southwest China. <i>Science of the Total Environment</i> , 2021, 751, 141738.	3.9	18

#	ARTICLE	IF	CITATIONS
1848	Enhanced middle Holocene organic carbon burial in tropical floodplain lakes of the Pantanal (South) Tj ETQq0 0 0 rgBT /Overlçk 10 Tf 5	0.8	9
1849	Concentration and biodegradability of dissolved organic carbon derived from soils: A global perspective. <i>Science of the Total Environment</i> , 2021, 754, 142378.	3.9	32
1850	Coupled effects of hydrology and temperature on temporal dynamics of dissolved carbon in the Min River, Tibetan Plateau. <i>Journal of Hydrology</i> , 2021, 593, 125641.	2.3	8
1851	Dissolved inorganic carbon determines the abundance of microbial primary producers and primary production in Tibetan Plateau lakes. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	5
1852	The evolution of biogeochemistry: revisited. <i>Biogeochemistry</i> , 2021, 154, 141-181.	1.7	19
1853	Assessment of a portable UV-Vis spectrophotometer's performance for stream water DOC and Fe content monitoring in remote areas. <i>Talanta</i> , 2021, 224, 121919.	2.9	9
1854	Riverine Dissolved Organic Carbon and Freshwater Export in the Eastern Gulf of Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	1.3	18
1855	Urban rivers are hotspots of riverine greenhouse gas (N ₂ O, CH ₄ , CO ₂) emissions in the mixed-landscape chaohu lake basin. <i>Water Research</i> , 2021, 189, 116624.	5.3	77
1856	Intense methane ebullition from urban inland waters and its significant contribution to greenhouse gas emissions. <i>Water Research</i> , 2021, 189, 116654.	5.3	55
1857	Integrating carbon emission, accumulation and transport in inland waters to understand their role in the global carbon cycle. <i>Global Change Biology</i> , 2021, 27, 719-727.	4.2	26
1858	Direct versus indirect effects of human activities on dissolved organic matter in highly impacted lakes. <i>Science of the Total Environment</i> , 2021, 752, 141839.	3.9	50
1859	Ecosystem maturity modulates greenhouse gases fluxes from artificial lakes. <i>Science of the Total Environment</i> , 2021, 760, 144046.	3.9	9
1860	Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. <i>Water Research</i> , 2021, 190, 116738.	5.3	43
1861	Methane and nitrous oxide have separated production zones and distinct emission pathways in freshwater aquaculture ponds. <i>Water Research</i> , 2021, 190, 116739.	5.3	48
1862	Controlling factors of riverine CO ₂ partial pressure and CO ₂ outgassing in a large karst river under base flow condition. <i>Journal of Hydrology</i> , 2021, 593, 125638.	2.3	17
1863	Biogeochemical characteristics and hydroperiod affect carbon dioxide flux rates from exposed high-elevation pond sediments. <i>Limnology and Oceanography</i> , 2021, 66, 1050-1067.	1.6	3
1864	Endoglucanase activity of cellulolytic bacteria from lake sediments and its application in hydrophyte degradation. <i>FEMS Microbiology Letters</i> , 2021, 367, .	0.7	3
1865	Whole-ecosystem oxygenation experiments reveal substantially greater hypolimnetic methane concentrations in reservoirs during anoxia. <i>Limnology and Oceanography Letters</i> , 2021, 6, 33-42.	1.6	17

#	ARTICLE	IF	CITATIONS
1866	Total Aquatic Carbon Emissions Across the Boreal Biome of Québec Driven by Watershed Slope. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	1.3	10
1867	Contrasting community assembly processes structure lotic bacteria metacommunities along the river continuum. <i>Environmental Microbiology</i> , 2021, 23, 484-498.	1.8	50
1868	The role of photomineralization for CO_2 emissions in boreal lakes along a gradient of dissolved organic matter. <i>Limnology and Oceanography</i> , 2021, 66, 158-170.	1.6	24
1869	CO ₂ dynamic of Lake Donghu highlights the need for long-term monitoring. <i>Environmental Science and Pollution Research</i> , 2021, 28, 10967-10976.	2.7	3
1870	The relevance of environment vs. composition on dissolved organic matter degradation in freshwaters. <i>Limnology and Oceanography</i> , 2021, 66, 306-320.	1.6	31
1871	Improving the accuracy of electricity carbon footprint: Estimation of hydroelectric reservoir greenhouse gas emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 136, 110433.	8.2	47
1872	Non-local Impacts on Eddy-Covariance Air-Lake CO_2 Fluxes. <i>Boundary-Layer Meteorology</i> , 2021, 178, 283-300.	1.2	10
1873	Lakes in the era of global change: moving beyond single-lake thinking in maintaining biodiversity and ecosystem services. <i>Biological Reviews</i> , 2021, 96, 89-106.	4.7	142
1874	Sources and selective preservation of organic matter in the karst watershed: evidence from sediment records in a plateau deep lake, Southwestern China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 4762-4777.	2.7	4
1875	Carbon Dynamics of the Estuaries Along the East Coast of India. , 2021, , 45-56.		1
1876	Recent environmental changes in the Yunnan-Guizhou Plateau inferred from organic geochemical records from the sediments of Fuxian Lake. <i>Elementa</i> , 2021, 9, .	1.1	5
1877	Historical and future contributions of inland waters to the Congo Basin carbon balance. <i>Earth System Dynamics</i> , 2021, 12, 37-62.	2.7	13
1878	Dynamics of the Atmospheric Boundary Layer in the Mountain-Valley Relief of Adygea. <i>Handbook of Environmental Chemistry</i> , 2021, , 359-396.	0.2	2
1879	Hydropower Reservoirs' Benefits and Challenges. , 2021, , .		1
1880	Carbon Sequestration on Floodplains. , 2021, , .		1
1881	The Carbon Cycle: With a Brief Introduction to Global Biogeochemistry. , 2021, , 131-160.		5
1882	Carbon Dynamics and Stream Ecosystem Metabolism. , 2021, , 421-452.		2
1883	Fire reduces riverine DOC concentration draining a watershed and alters post-fire DOC recovery patterns. <i>Environmental Research Letters</i> , 2021, 16, 024022.	2.2	14

#	ARTICLE	IF	CITATIONS
1884	Freshwaters: Global Distribution, Biodiversity, Ecosystem Services, and Human Pressures. , 2021, , 489-501.		2
1885	Spatiotemporal variations in water dissolved organic carbon and dissolved inorganic carbon concentrations in Wenwusha Reservoir in subtropical estuary, Southeast China. Hupo Kexue/Journal of Lake Sciences, 2021, 33, 1123-1137.	0.3	0
1886	A Series of Data-Driven Hypotheses for Inferring Biogeochemical Conditions in Alkaline Lakes and Their Deposits Based on the Behavior of Mg and SiO ₂ . Minerals (Basel, Switzerland), 2021, 11, 106.	0.8	14
1887	Ecosystem Responses to Pollution in the Ganga River: Key Issues to Address River Management. , 2021, , 221-253.		1
1888	Causes and Consequences of Changes in Riparian Vegetation for Plant Litter Decomposition Throughout River Networks. , 2021, , 273-296.		3
1889	Determining freshwater pCO ₂ based on geochemical calculation and modelling using PHREEQC. MethodsX, 2021, 8, 101430.	0.7	2
1890	How humans alter dissolved organic matter composition in freshwater: relevance for the Earth's biogeochemistry. Biogeochemistry, 2021, 154, 323-348.	1.7	75
1891	Gamification and Virtual Reality for Communicating Ecoliteracy and Climate Science: Carbon Transport in the Essequibo River at Iwokrama Guyana. , 2021, , 151-180.		1
1892	Multi-Scale Biophysical Factors Driving Litter Dynamics in Streams. , 2021, , 7-21.		5
1893	Human impact on C/N/P accumulation in lake sediments from northeast China during the last 150 years. Environmental Pollution, 2021, 271, 116345.	3.7	23
1894	Climate control on terrestrial biospheric carbon turnover. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	64
1895	Variability in fluorescent dissolved organic matter concentrations across diel to seasonal time scales is driven by water temperature and meteorology in a eutrophic reservoir. Aquatic Sciences, 2021, 83, 1.	0.6	6
1896	Combined carbon flows through detritus, microbes, and animals in reference and experimentally enriched stream ecosystems. Ecology, 2021, 102, e03279.	1.5	3
1897	The Spatiotemporal Evolution of Storm Pulse Particulate Organic Carbon in a Low Gradient, Agriculturally Dominated Watershed. Frontiers in Water, 2021, 3, .	1.0	5
1898	Technical note: Seamless gas measurements across the land-ocean aquatic continuum – corrections and evaluation of sensor data for CO ₂ , CH ₄ and O ₂ from field deployments in contrasting environments. Biogeosciences, 2021, 18, 1351-1373.	1.3	13
1899	CO ₂ partial pressure and fluxes in the Amazon River plume using in situ and remote sensing data. Continental Shelf Research, 2021, 215, 104348.	0.9	14
1901	Eutrophication and Geochemistry Drive Pelagic Calcite Precipitation in Lakes. Water (Switzerland), 2021, 13, 597.	1.2	5
1902	Sediment carbon short-term response to water carbon content change in a large floodplain-lake system. Environmental Science and Pollution Research, 2021, 28, 31497-31510.	2.7	3

#	ARTICLE	IF	CITATIONS
1904	Spatio-temporal variations in lateral and atmospheric carbon fluxes from the Danube Delta. <i>Biogeosciences</i> , 2021, 18, 1417-1437.	1.3	10
1905	Landscape controls on riverine export of dissolved organic carbon from Great Britain. <i>Biogeochemistry</i> , 2023, 164, 163-184.	1.7	26
1906	A new method to estimate global freshwater phytoplankton carbon fixation using satellite remote sensing: initial results. <i>International Journal of Remote Sensing</i> , 2021, 42, 3708-3730.	1.3	12
1907	Quantifying organic carbon storage in temperate pond sediments. <i>Journal of Environmental Management</i> , 2021, 280, 111698.	3.8	14
1908	Carbon Isotopic and Lithologic Constraints on the Sources and Cycling of Inorganic Carbon in Four Large Rivers in China: Yangtze, Yellow, Pearl, and Heilongjiang. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005901.	1.3	8
1909	Spatiotemporal patterns of northern lake formation since the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2021, 253, 106773.	1.4	23
1910	Carbon emission from Western Siberian inland waters. <i>Nature Communications</i> , 2021, 12, 825.	5.8	50
1911	Hydrological, geochemical and land use drivers of greenhouse gas dynamics in eleven sub-tropical streams. <i>Aquatic Sciences</i> , 2021, 83, 1.	0.6	14
1912	The role of net ecosystem productivity and of inventories in climate change research: the need for a net ecosystem productivity with harvest. <i>NEPH. Forest Ecosystems</i> , 2021, 8, .	1.3	6
1913	Winter Oxygen Regimes in Clear and Turbid Shallow Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006065.	1.3	5
1914	Basin-scale high-resolution extraction of drainage networks using 10-m Sentinel-2 imagery. <i>Remote Sensing of Environment</i> , 2021, 255, 112281.	4.6	21
1915	A review on biological carbon sequestration: A sustainable solution for a cleaner air environment, less pollution and lower health risks. <i>Journal of King Saud University - Science</i> , 2021, 33, 101282.	1.6	37
1916	Stream Water Chemistry in Mixed-Conifer Headwater Basins: Role of Water Sources, Seasonality, Watershed Characteristics, and Disturbances. <i>Ecosystems</i> , 2021, 24, 1853-1874.	1.6	3
1917	Continuous Dynamics of Dissolved Methane Over 2 Years and its Carbon Isotopes ($\delta^{13}C$). <i>Biogeosciences</i> , 2021, 126, e2020JG006038.	1.3	12
1918	The sediment fluorescence-trophic level relationship: using water-extractable organic matter to assess past lake water quality in New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 0, , 1-21.	0.8	1
1919	Methane pathways in winter ice of a thermokarst lake-lagoon coastal water transect in north Siberia. <i>Cryosphere</i> , 2021, 15, 1607-1625.	1.5	7
1920	Methane dynamics in three different Siberian water bodies under winter and summer conditions. <i>Biogeosciences</i> , 2021, 18, 2047-2061.	1.3	5
1924	Global importance of methane emissions from drainage ditches and canals. <i>Environmental Research Letters</i> , 2021, 16, 044010.	2.2	45

#	ARTICLE	IF	CITATIONS
1925	Rapid soil organic carbon decomposition in river systems: effects of the aquatic microbial community and hydrodynamical disturbance. <i>Biogeosciences</i> , 2021, 18, 1511-1523.	1.3	3
1926	CO ₂ emissions from karst cascade hydropower reservoirs: mechanisms and reservoir effect. <i>Environmental Research Letters</i> , 2021, 16, 044013.	2.2	18
1927	Effects of Using High Resolution Satellite-Based Inundation Time Series to Estimate Methane Fluxes From Forested Wetlands. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092556.	1.5	20
1928	Emerging dominance of summer rainfall driving High Arctic terrestrial-aquatic connectivity. <i>Nature Communications</i> , 2021, 12, 1448.	5.8	37
1929	Influence of Hydraulic Connectivity on Carbon Burial Efficiency in Mackenzie Delta Lake Sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006054.	1.3	2
1930	Late summer peak in <i>p</i> CO ₂ corresponds with catchment export of DOC in a temperate, humic lake. <i>Inland Waters</i> , 2021, 11, 234-249.	1.1	4
1931	Influence of Thermal Stratification on Seasonal Net Ecosystem Production and Dissolved Inorganic Carbon in a Shallow Subtropical Lake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005907.	1.3	13
1932	Coral Skeletal Luminescence Records Changes in Terrestrial Chromophoric Dissolved Organic Matter in Tropical Coastal Waters. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092130.	1.5	6
1933	The impacts of reservoirs on the sources and transport of riverine organic carbon in the karst area: A multi-tracer study. <i>Water Research</i> , 2021, 194, 116933.	5.3	46
1936	High-resolution satellite-derived river network map reveals small Arctic river hydrography. <i>Environmental Research Letters</i> , 2021, 16, 054015.	2.2	5
1937	Dissolved organic carbon concentration and its seasonal variation in the Huguangyan Maar Lake of Southern China. <i>Acta Geochimica</i> , 2021, 40, 806-818.	0.7	1
1938	Spatial and vertical distribution of aerobic and anaerobic dark inorganic carbon fixation in coastal tropical lake sediments. <i>Aquatic Sciences</i> , 2021, 83, 1.	0.6	4
1939	Declining greenness in Arctic-boreal lakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
1940	Hotspots of Diffusive CO ₂ and CH ₄ Emission From Tropical Reservoirs Shift Through Time. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006014.	1.3	14
1941	The Use of Sentinel-2 for Chlorophyll-a Spatial Dynamics Assessment: A Comparative Study on Different Lakes in Northern Germany. <i>Remote Sensing</i> , 2021, 13, 1542.	1.8	21
1942	The influence of lipid content and taxonomic affiliation on methane and carbon dioxide production from phytoplankton biomass in lake sediment. <i>Limnology and Oceanography</i> , 2021, 66, 1915-1925.	1.6	2
1943	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
1944	Global carbon dioxide efflux from rivers enhanced by high nocturnal emissions. <i>Nature Geoscience</i> , 2021, 14, 289-294.	5.4	76

#	ARTICLE	IF	CITATIONS
1945	Global Warming Potential Is Not an Ecosystem Property. <i>Ecosystems</i> , 2021, 24, 2079-2089.	1.6	24
1946	Stable Carbon Isotopes Suggest Large Terrestrial Carbon Inputs to the Global Ocean. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006684.	1.9	18
1947	Anthropogenic-Driven Alterations in Black Carbon Sequestration and the Structure in a Deep Plateau Lake. <i>Environmental Science & Technology</i> , 2021, 55, 6467-6475.	4.6	21
1948	Dynamics of Hyporheic Exchange Flux and Fine Particle Deposition Under Moving Bedforms. <i>Water Resources Research</i> , 2021, 57, e2020WR028541.	1.7	14
1949	A highly agricultural river network in Jurong Reservoir watershed as significant CO ₂ and CH ₄ sources. <i>Science of the Total Environment</i> , 2021, 769, 144558.	3.9	35
1950	Colloidal catchment response to snowmelt and precipitation events differs in a forested headwater catchment. <i>Vadose Zone Journal</i> , 2021, 20, e20126.	1.3	4
1951	Dynamics and fluxes of dissolved carbon under short-term climate variabilities in headwaters of the Changjiang River, draining the Qinghai-Tibet Plateau. <i>Journal of Hydrology</i> , 2021, 596, 126128.	2.3	12
1953	Particulate Organic Carbon in the Tropical Usumacinta River, Southeast Mexico: Concentration, Flux, and Sources. <i>Water (Switzerland)</i> , 2021, 13, 1561.	1.2	4
1954	Hydrology controls the carbon mass balance of a mountain lake in the eastern European Alps. <i>Limnology and Oceanography</i> , 2021, 66, 2110-2125.	1.6	8
1955	Alkalinity of diverse water samples can be altered by mercury preservation and borosilicate vial storage. <i>Scientific Reports</i> , 2021, 11, 9961.	1.6	14
1956	Knowing your limits: evaluating aquatic metabolism in a subtropical treatment wetland. <i>Hydrobiologia</i> , 2021, 848, 3969-3986.	1.0	3
1957	Shoring up the foundations of production to respiration ratios in lakes. <i>Limnology and Oceanography</i> , 2021, 66, 2762-2778.	1.6	11
1958	Highest rates of gross primary productivity maintained despite CO ₂ depletion in a temperate river network. <i>Limnology and Oceanography Letters</i> , 2021, 6, 200-206.	1.6	14
1959	Riverine Carbon Cycling Over the Past Century in the Mid-Atlantic Region of the United States. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005968.	1.3	16
1961	Localized Pollution Impacts on Greenhouse Gas Dynamics in Three Anthropogenically Modified Asian River Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006124.	1.3	20
1962	The role of freshwater eutrophication in greenhouse gas emissions: A review. <i>Science of the Total Environment</i> , 2021, 768, 144582.	3.9	109
1963	Ebullition Controls on CH ₄ Emissions in an Urban, Eutrophic River: A Potential Time-Scale Bias in Determining the Aquatic CH ₄ Flux. <i>Environmental Science & Technology</i> , 2021, 55, 7287-7298.	4.6	20
1964	Metabolic regime shifts and ecosystem state changes are decoupled in a large river. <i>Limnology and Oceanography</i> , 2022, 67, .	1.6	13

#	ARTICLE	IF	CITATIONS
1965	Carbon fixation by the phytoplankton community across Lake Winnipeg. <i>Journal of Great Lakes Research</i> , 2021, 47, 703-714.	0.8	4
1966	Extreme Weather Events Enhance DOC Consumption in a Subtropical Freshwater Ecosystem: A Multiple-Typhoon Analysis. <i>Microorganisms</i> , 2021, 9, 1199.	1.6	0
1967	Mercury Export From Freshwater to Estuary: Carbocentric Science Elucidates the Fate of a Toxic Compound in Aquatic Boreal Environments. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	4
1968	Bacterioplankton respond with similar transcriptional activity to allochthonous dissolved organic matter in coastal and offshore Lake Michigan. <i>Limnology and Oceanography</i> , 2021, 66, 3162-3175.	1.6	2
1969	Meta-classification of remote sensing reflectance to estimate trophic status of inland and nearshore waters. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 176, 109-126.	4.9	20
1970	Unaccounted CO ₂ leaks downstream of a large tropical hydroelectric reservoir. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
1971	The riverine bioreactor: An integrative perspective on biological decomposition of organic matter across riverine habitats. <i>Science of the Total Environment</i> , 2021, 772, 145494.	3.9	10
1972	Spatial heterogeneity in fatty acid abundance and composition across surface sediments of Lake Taihu, Eastern China: Implications for the use of lipids in evaluating carbon cycling and burial in lake systems. <i>Catena</i> , 2021, 201, 105225.	2.2	6
1973	The Changing Face of Winter: Lessons and Questions From the Laurentian Great Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006247.	1.3	35
1974	A more complete accounting of greenhouse gas emissions and sequestration in urban landscapes. <i>Anthropocene</i> , 2021, 34, 100296.	1.6	10
1975	An In-Depth Analysis of Physical Blue and Green Water Scarcity in Agriculture in Terms of Causes and Events and Perceived Amenability to Economic Interpretation. <i>Water (Switzerland)</i> , 2021, 13, 1693.	1.2	21
1976	Year-2020 Global Distribution and Pathways of Reservoir Methane and Carbon Dioxide Emissions According to the Greenhouse Gas From Reservoirs (Gâ€res) Model. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006888.	1.9	44
1977	CO ₂ and CH ₄ Emissions from an Arid Fluvial Network on the Chinese Loess Plateau. <i>Water (Switzerland)</i> , 2021, 13, 1614.	1.2	3
1978	Multiple controls on carbon dynamics in mixed karst and non-karst mountainous rivers, Southwest China, revealed by carbon isotopes (¹³ C and ¹⁴ C). <i>Science of the Total Environment</i> , 2021, 791, 148347.	3.9	16
1979	Drivers of Organic Molecular Signatures in the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006938.	1.9	12
1980	Current knowledge of Chytridiomycota diversity in Northern Europe and future research needs. <i>Fungal Biology Reviews</i> , 2021, 36, 42-51.	1.9	8
1981	Gas Pressure Dynamics in Small and Mid-Size Lakes. <i>Water (Switzerland)</i> , 2021, 13, 1824.	1.2	7
1982	Climate and atmospheric deposition drive the inter-annual variability and long-term trend of dissolved organic carbon flux in the conterminous United States. <i>Science of the Total Environment</i> , 2021, 771, 145448.	3.9	14

#	ARTICLE	IF	CITATIONS
1983	Wildfire-Derived Pyrogenic Carbon Modulates Riverine Organic Matter and Biofilm Enzyme Activities in an In Situ Flume Experiment. <i>ACS ES&T Water</i> , 2021, 1, 1648-1656.	2.3	8
1984	Wastewater-boosted biodegradation amplifying seasonal variations of pCO ₂ in the Mekong-Tonle Sap river system. <i>Biogeochemistry</i> , 2021, 155, 219-235.	1.7	9
1985	Rapid urbanization effects on partial pressure and emission of CO ₂ in three rivers with different urban intensities. <i>Ecological Indicators</i> , 2021, 125, 107515.	2.6	24
1986	Turbidity Structures the Controls of Ecosystem Metabolism and Associated Metabolic Process Domains Along a 75-km Segment of a Semiarid Stream. <i>Ecosystems</i> , 2022, 25, 422-440.	1.6	1
1987	Atmospheric CO ₂ Exchange of a Small Mountain Lake: Limitations of Eddy Covariance and Boundary Layer Modeling Methods in Complex Terrain. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006286.	1.3	4
1988	Methane in the Danube Delta: the importance of spatial patterns and diel cycles for atmospheric emission estimates. <i>Biogeosciences</i> , 2021, 18, 3961-3979.	1.3	5
1989	Dissimilatory nitrate reduction and functional genes in two subtropical rivers, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 68155-68173.	2.7	8
1990	Global riverine nitrous oxide emissions: The role of small streams and large rivers. <i>Science of the Total Environment</i> , 2021, 776, 145148.	3.9	45
1991	Amino acid and chlorin based degradation indicators in freshwater systems. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 304, 216-233.	1.6	6
1992	Small artificial waterbodies are widespread and persistent emitters of methane and carbon dioxide. <i>Global Change Biology</i> , 2021, 27, 5109-5123.	4.2	50
1993	Organic carbon burial in a large, deep alpine lake (southwest China) in response to changes in climate, land use and nutrient supply over the past ~1000 years. <i>Catena</i> , 2021, 202, 105240.	2.2	26
1994	Extreme gradients in CO ₂ losses downstream of karstic springs. <i>Science of the Total Environment</i> , 2021, 778, 146099.	3.9	3
1995	Integrating Aquatic Metabolism and Net Ecosystem CO ₂ Balance in Short- and Long-Hydroperiod Subtropical Freshwater Wetlands. <i>Ecosystems</i> , 2022, 25, 567-585.	1.6	4
1996	The role of lake morphometry in modulating surface water carbon concentrations in boreal lakes. <i>Environmental Research Letters</i> , 2021, 16, 074037.	2.2	10
1997	Introducing GloRiSe – a global database on river sediment composition. <i>Earth System Science Data</i> , 2021, 13, 3565-3575.	3.7	7
1998	An Assessment of In-situ Water Quality Parameters and its variation with Landsat 8 Level 1 Surface Reflectance datasets. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 6344-6366.	1.8	23
1999	Spatiotemporal variability of gas transfer velocity in a tropical high-elevation stream using two independent methods. <i>Ecosphere</i> , 2021, 12, e03647.	1.0	8
2000	Effect of buoyant turbulence and water quality factors on the CO ₂ net atmospheric flux changes in a stratified reservoir. <i>Science of the Total Environment</i> , 2021, 776, 145940.	3.9	1

#	ARTICLE	IF	CITATIONS
2001	Advection Not Dispersion and Transient Storage Controls Streambed Nutrient and Greenhouse Gas Concentrations. <i>Frontiers in Water</i> , 2021, 3, .	1.0	0
2002	Long-Term Evolution of Greenhouse Gas Emissions From Global Reservoirs. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	12
2003	Hydrological and catchment controls on eventâ€scale dissolved organic carbon dynamics in boreal headwater streams. <i>Hydrological Processes</i> , 2021, 35, e14279.	1.1	14
2004	Does Photomineralization of Dissolved Organics Matter in Temperate Rivers?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006402.	1.3	11
2005	Leveraging observed soil heterotrophic respiration fluxes as a novel constraint on globalâ€scale models. <i>Global Change Biology</i> , 2021, 27, 5392-5403.	4.2	10
2006	Carbon dioxide hydrodynamics along a wetland-lake-stream-waterfall continuum (Blue Mountains,) Tj ETQq1 1 0.784314 rgBJ /Overlock	3.9	7
2007	Spatial Patterns of Organic and Inorganic Carbon in Lake Qinghai Surficial Sediments and Carbon Burial Estimation. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	4
2009	Trophic and nonâ€trophic effects of fish and macroinvertebrates on carbon emissions. <i>Freshwater Biology</i> , 2021, 66, 1831-1845.	1.2	14
2010	Synchronous evaporation and aquatic primary production in tropical river networks. <i>Water Research</i> , 2021, 200, 117272.	5.3	25
2011	<scp>LÃ©XPLORE</scp>: A floating laboratory on Lake Geneva offering unique lake research opportunities. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1544.	2.8	20
2012	Four-decade dynamics of the water color in 61 large lakes on the Yangtze Plain and the impacts of reclaimed aquaculture zones. <i>Science of the Total Environment</i> , 2021, 781, 146688.	3.9	8
2013	Amount and reactivity of dissolved organic matter export are affected by land cover change from oldâ€growth to secondâ€growth forests in headwater ecosystems. <i>Hydrological Processes</i> , 2021, 35, e14343.	1.1	3
2014	Sediment and carbon accumulation in a glacial lake in Chukotka (Arctic Siberia) during the Late Pleistocene and Holocene: combining hydroacoustic profiling and down-core analyses. <i>Biogeosciences</i> , 2021, 18, 4791-4816.	1.3	6
2015	Carbon dynamics in small tropical catchments under preserved forest and cacao agroforestry systems. <i>Agroforestry Systems</i> , 2021, 95, 1647-1659.	0.9	0
2016	Integrating ecosystem metabolism and consumer allochthony reveals nonlinear drivers in lake organic matter processing. <i>Limnology and Oceanography</i> , 0, , .	1.6	3
2017	Contribution of the chemical weathering to the CO2 consumption in a microbasin of QuadrilÃ¡tero FerrÃ¡fero, Brazil. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	2
2018	Different storm responses of organic carbon transported to Lake Taihu by the eutrophic Tiaoxi River, China. <i>Science of the Total Environment</i> , 2021, 782, 146874.	3.9	7
2019	Inundation, Hydrodynamics and Vegetation Influence Carbon Dioxide Concentrations in Amazon Floodplain Lakes. <i>Ecosystems</i> , 2022, 25, 911-930.	1.6	9

#	ARTICLE	IF	CITATIONS
2020	Three Gorges Reservoir construction induced dissolved organic matter chemistry variation between the reservoir and non-reservoir areas along the Xiangxi tributary. <i>Science of the Total Environment</i> , 2021, 784, 147095.	3.9	13
2021	An empirical model to predict methane production in inland water sediment from particular organic matter supply and reactivity. <i>Limnology and Oceanography</i> , 2021, 66, 3643-3655.	1.6	18
2022	An Initial Assessment of the Contribution of Fresh Submarine Ground Water Discharge to the Alkalinity Budget of the Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017085.	1.0	5
2023	Hydrologic heterogeneity induced variability of dissolved organic matter chemistry among tributaries of the Three Gorges Reservoir. <i>Water Research</i> , 2021, 201, 117358.	5.3	24
2024	Projected changes of regional lake hydrologic characteristics in response to 21st century climate change. <i>Inland Waters</i> , 2021, 11, 335-350.	1.1	4
2025	Increasing Autochthonous Production in Inland Waters as a Contributor to the Missing Carbon Sink. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
2026	Distinct concentrationâ€ discharge dynamics in temperate streams and rivers: CO_2 exhibits chemostasis while CH_4 exhibits source limitation due to temperature control. <i>Limnology and Oceanography</i> , 2021, 66, 3656-3668.	1.6	10
2027	Exploring the Drivers Controlling the Priming Effect and Its Magnitude in Aquatic Systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006201.	1.3	8
2028	Sources and sinks of greenhouse gases in the landscape: Approach for spatially explicit estimates. <i>Science of the Total Environment</i> , 2021, 781, 146668.	3.9	9
2029	Large spatiotemporal variability in metabolic regimes for an urban stream draining four wastewater treatment plants with implications for dissolved oxygen monitoring. <i>PLoS ONE</i> , 2021, 16, e0256292.	1.1	7
2030	Assessing extracted organic matter quality from river sediments by elemental and molecular characterization: Application to the TietÃ and Piracicaba Rivers (SÃo Paulo, Brazil). <i>Applied Geochemistry</i> , 2021, 131, 105049.	1.4	7
2032	Algal-driven priming of cellulose decomposition along a phosphorus gradient in stream mesocosms. <i>Freshwater Science</i> , 2021, 40, 580-592.	0.9	1
2033	Diel Variability of CO_2 Emissions From Northern Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006246.	1.3	14
2034	Linking soils and streams: Chemical composition and sources of eroded organic matter during rainfall events in a Loess hilly-gully region of China. <i>Journal of Hydrology</i> , 2021, 600, 126518.	2.3	4
2035	A review on the possible factors influencing soil inorganic carbon under elevated CO ₂ . <i>Catena</i> , 2021, 204, 105434.	2.2	40
2036	Methane emission dynamics among CO ₂ -absorbing and thermokarst lakes of a great Arctic delta. <i>Biogeochemistry</i> , 2021, 156, 375-399.	1.7	4
2037	A new modelling framework to assess biogenic GHG emissions from reservoirs: The G-res tool. <i>Environmental Modelling and Software</i> , 2021, 143, 105117.	1.9	24
2038	Impact of freeze-thaw cycles on organic carbon and metals in waters of permafrost peatlands. <i>Chemosphere</i> , 2021, 279, 130510.	4.2	15

#	ARTICLE	IF	CITATIONS
2039	Spatial and temporal heterogeneity of methane ebullition in lowland headwater streams and the impact on sampling design. <i>Limnology and Oceanography</i> , 2021, 66, 4063-4076.	1.6	6
2040	pCO ₂ and CO ₂ evasion from two small suburban rivers: Implications of the watershed urbanization process. <i>Science of the Total Environment</i> , 2021, 788, 147787.	3.9	13
2041	Assessment of multiple ecosystem metabolism methods in an estuary. <i>Limnology and Oceanography: Methods</i> , 2021, 19, 741-757.	1.0	3
2042	Transfer and transformations of oxygen in rivers as catchment reflectors of continental landscapes: A review. <i>Earth-Science Reviews</i> , 2021, 220, 103729.	4.0	16
2043	Spatial and temporal variability of CH ₄ and CO ₂ emissions from the Dong River in south China. <i>Biogeosciences</i> , 2021, 18, 5231-5245.	1.3	7
2044	Carbon dioxide, methane, and dissolved carbon dynamics in an urbanized river system. <i>Hydrological Processes</i> , 2021, 35, e14360.	1.1	11
2045	Seasonal Carbon Dynamics in a Temperate Lagoonal Estuary: New River, NC, USA. <i>Estuaries and Coasts</i> , 0, , 1.	1.0	2
2046	Seasonal and spatial variation in biodegradability of organic carbon along the Red River, Vietnam. <i>Carbon Management</i> , 0, , 1-9.	1.2	0
2047	Controls on Riverine Dissolved Organic Matter Composition Across an Arctic-Boreal Latitudinal Gradient. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005988.	1.3	7
2048	Temporal trends in methane emissions from a small eutrophic reservoir: the key role of a spring burst. <i>Biogeosciences</i> , 2021, 18, 5291-5311.	1.3	14
2049	Effects of cascade dam on the distribution of heavy metals and biogenic elements in sediments at the watershed scale, Southwest China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8970-8979.	2.7	3
2050	Soil carbon dioxide effluxes from riparian areas of two hydrogeomorphic settings in the Ozark National Forest, USA. <i>Geoderma Regional</i> , 2021, 26, e00420.	0.9	0
2051	Controlling factors of seasonal and spatial variation of riverine CO ₂ partial pressure and its implication for riverine carbon flux. <i>Science of the Total Environment</i> , 2021, 786, 147332.	3.9	13
2052	Distribution and Sources of Organic Carbon in Surface Intertidal Sediments of the Rudong Coast, Jiangsu Province, China. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 992.	1.2	5
2053	Restored riverine wetlands in a headwater stream can simultaneously behave as sinks of N ₂ O and hotspots of CH ₄ production. <i>Environmental Pollution</i> , 2021, 284, 117114.	3.7	16
2054	Cleaner air reveals growing influence of climate on dissolved organic carbon trends in northern headwaters. <i>Environmental Research Letters</i> , 2021, 16, 104009.	2.2	37
2055	When Forests Take Over After Land Abandonment: Dissolved Organic Matter Response in Headwater Mountain Streams. <i>Frontiers in Water</i> , 2021, 3, .	1.0	1
2056	Active methane processing microbes and the disproportionate role of NC10 phylum in methane mitigation in Amazonian floodplains. <i>Biogeochemistry</i> , 2021, 156, 293-317.	1.7	7

#	ARTICLE	IF	CITATIONS
2057	Ecological theory applied to environmental metabolomes reveals compositional divergence despite conserved molecular properties. <i>Science of the Total Environment</i> , 2021, 788, 147409.	3.9	21
2058	Bioturbation frequency alters methane emissions from reservoir sediments. <i>Science of the Total Environment</i> , 2021, 789, 148033.	3.9	10
2059	Satellite estimation of dissolved organic carbon in eutrophic Lake Taihu, China. <i>Remote Sensing of Environment</i> , 2021, 264, 112572.	4.6	17
2060	Physical and chemical control on CO ₂ gas transfer velocities from a low-gradient subtropical stream. <i>Water Research</i> , 2021, 204, 117564.	5.3	8
2061	Significant association between soil dissolved organic matter and soil microbial communities following vegetation restoration in the Loess Plateau. <i>Ecological Engineering</i> , 2021, 169, 106305.	1.6	24
2062	Quantifying groundwater carbon dioxide and methane fluxes to an urban freshwater lake using radon measurements. <i>Science of the Total Environment</i> , 2021, 797, 149184.	3.9	14
2063	Fractionation of natural algal organic matter and its preservation on the surfaces of clay minerals. <i>Applied Clay Science</i> , 2021, 213, 106235.	2.6	8
2064	Effects of stream ecosystem metabolisms on CO ₂ emissions in two headwater catchments, Southeastern China. <i>Ecological Indicators</i> , 2021, 130, 108136.	2.6	6
2065	Agricultural land use changes stream dissolved organic matter via altering soil inputs to streams. <i>Science of the Total Environment</i> , 2021, 796, 148968.	3.9	26
2066	Factors controlling soil organic carbon stocks in hardwood floodplain forests of the lower middle Elbe River. <i>Geoderma</i> , 2021, 404, 115389.	2.3	13
2067	Satellites for long-term monitoring of inland U.S. lakes: The MERIS time series and application for chlorophyll-a. <i>Remote Sensing of Environment</i> , 2021, 266, 112685.	4.6	46
2068	Spatial variation of particulate black carbon, and its sources in a large eutrophic urban lake in China. <i>Science of the Total Environment</i> , 2022, 803, 150057.	3.9	7
2069	Effects of ecohydrological interfaces on migrations and transformations of pollutants: A critical review. <i>Science of the Total Environment</i> , 2022, 804, 150140.	3.9	20
2070	The impacts of the hydraulic retention effect and typhoon disturbance on the carbon flux in shallow subtropical mountain lakes. <i>Science of the Total Environment</i> , 2022, 803, 150044.	3.9	12
2071	Differences in ebullitive methane release from small, shallow ponds present challenges for scaling. <i>Science of the Total Environment</i> , 2022, 802, 149685.	3.9	9
2072	Precipitation events impact on urban lake surface water temperature under the perspective of macroscopic scale. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16767-16780.	2.7	7
2073	Investigation into effects of warmer conditions on seasonal runoff and dissolved carbon fluxes in permafrost catchments in northeast China. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 890-902.	1.7	3
2074	Deepening roots can enhance carbonate weathering by amplifying CO ₂ -rich recharge. <i>Biogeosciences</i> , 2021, 18, 55-75.	1.3	31

#	ARTICLE	IF	CITATIONS
2075	Lake Morphometry and River Network Controls on Evasion of Terrestrially Sourced Headwater CO ₂ . Geophysical Research Letters, 2021, 48, .	1.5	11
2076	The Ecology of Plant Litter Decomposition in Stream Ecosystems: An Overview. , 2021, , 3-5.		2
2077	Identification of dissolved organic matter size components in freshwater and marine environments. Limnology and Oceanography, 2021, 66, 1381-1393.	1.6	9
2078	Changes on Earth as a Result of Interaction Between the Society and Nature. Sustainable Development Goals Series, 2020, , 75-202.	0.2	1
2079	Permafrost Carbon Quantities and Fluxes. , 2020, , 179-274.		2
2080	Changing Biogeochemical Cycles of Organic Carbon, Nitrogen, Phosphorus, and Trace Elements in Arctic Rivers. , 2021, , 315-348.		9
2081	Global Monitoring of Inland Water Dynamics: State-of-the-Art, Challenges, and Opportunities. Studies in Computational Intelligence, 2016, , 121-147.	0.7	38
2082	Greenhouse Gas Emissions from Reservoirs. Water Resources Development and Management, 2012, , 69-94.	0.3	13
2083	Ecohydrology and Biogeochemistry of the Rhizosphere in Forested Ecosystems. Ecological Studies, 2011, , 483-498.	0.4	6
2084	Variability of Carbon Dioxide and Methane in the Epilimnion of Lake Kivu. , 2012, , 47-66.		8
2085	Sequestration and Loss of Organic Carbon in Inland Waters: From Microscale to Global Scale. , 2013, , 349-351.		2
2086	CO ₂ effluxes from an urban tidal river flowing through two of the most populated and polluted cities of India. Environmental Science and Pollution Research, 2020, 27, 30093-30107.	2.7	17
2087	Evaluating floodplain organic carbon across a gradient of human alteration in the boreal zone. Geomorphology, 2020, 370, 107390.	1.1	5
2088	Emission and absorption of greenhouse gases generated from marine shrimp production (Litopenaeus) Tj ETQq1 1 0,784314 rgBT /Over 4.6 13	4.6	13
2089	Methane and nitrous oxide measured throughout Lake Erie over all seasons indicate highest emissions from the eutrophic Western Basin. Journal of Great Lakes Research, 2020, 46, 1604-1614.	0.8	14
2090	Seasonal Shift From Biogenic to Geogenic Fluvial Carbon Caused by Changing Water Sources in the Wetâ€Dry Tropics. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005384.	1.3	15
2091	Predicting lake dissolved organic carbon at a global scale. Scientific Reports, 2020, 10, 8471.	1.6	56
2092	Molecular composition and spatial distribution of dissolved organic matter (DOM) in the Pearl River Estuary, China. Environmental Chemistry, 2020, 17, 240.	0.7	42

#	ARTICLE	IF	CITATIONS
2093	Can tributary in-flows improve the recovery of the dissolved organic carbon regime in a snowmelt river regulated by a large reservoir?. <i>Marine and Freshwater Research</i> , 2016, 67, 1338.	0.7	10
2094	Transport and transformation of dissolved organic matter in the Neuse River estuarine system, NC, USA, following Hurricane Irene (2011). <i>Marine and Freshwater Research</i> , 2016, 67, 1313.	0.7	7
2101	Remote estimation of colored dissolved organic matter and chlorophyll-a in Lake Huron using Sentinel-2 measurements. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 1.	0.6	61
2102	MEASURING INORGANIC CARBON FLUXES FROM CARBONATE MINERAL WEATHERING FROM LARGE RIVER BASINS: THE OHIO RIVER BASIN. , 2017, , .		1
2103	Flow velocity and nutrients affect CO ₂ emissions from agricultural drainage channels in the North China Plain. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	3
2105	Fate of Allochthonous Dissolved Organic Carbon in Lakes: A Quantitative Approach. <i>PLoS ONE</i> , 2011, 6, e21884.	1.1	98
2106	Temperature and Cyanobacterial Bloom Biomass Influence Phosphorous Cycling in Eutrophic Lake Sediments. <i>PLoS ONE</i> , 2014, 9, e93130.	1.1	48
2107	Continuous Dissolved Oxygen Measurements and Modelling Metabolism in Peatland Streams. <i>PLoS ONE</i> , 2016, 11, e0161363.	1.1	10
2108	Connecting silvan and lacustrine ecosystems: transport of carbon from forests to adjacent water bodies. <i>Dissertationes Forestales</i> , 2013, 2013, .	0.1	1
2109	Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe's terrestrial ecosystems: a review. <i>International Agrophysics</i> , 2018, 32, 439-455.	0.7	55
2110	Optical Properties of Chromophoric Dissolved Organic Matter in the Yinma River Watershed and Drinking Water Resource of Northeast China. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 1061-1073.	0.6	4
2111	Determining the high variability of pCO ₂ and pO ₂ in the littoral zone of a subtropical coastal lake. <i>Acta Limnologica Brasiliensia</i> , 2014, 26, 288-295.	0.4	4
2112	Water pollution: one of the main Limnology challenges in the Anthropocene. <i>Acta Limnologica Brasiliensia</i> , 0, 31, .	0.4	10
2113	Source characterization of organic carbon using elemental, isotopic and n-alkanes proxies in surface sediment from Lake Bosten, Xinjiang. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2015, 27, 983-990.	0.3	3
2114	CO ₂ and CH ₄ flux across water-air interface in summer in the downstream of Jinsha River, Southwest China. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2017, 29, 991-999.	0.3	3
2115	TOC and Black Carbon records in sediment of Lake Yangzong, Yunnan Province under the influence of human activities during the past century. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2017, 29, 1018-1028.	0.3	10
2116	Organic carbon burial and its driving mechanism in the sediment of Lake Hulun, northeastern Inner Mongolia, since the mid-Holocene. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2018, 30, 234-244.	0.3	4
2117	Migration of carbon, nitrogen and phosphorus during organic matter mineralization in eutrophic lake sediments. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2018, 30, 306-313.	0.3	6

#	ARTICLE	IF	CITATIONS
2118	Concentration of dissolved greenhouse gas and its influence factors in the summer surface water of eutrophic lake. Hupo Kexue/Journal of Lake Sciences, 2018, 30, 1420-1428.	0.3	4
2119	Spatio-temporal patterns of organic carbon burial in the sediment of Lake Erhai in China during the past 100 years. Hupo Kexue/Journal of Lake Sciences, 2019, 31, 282-292.	0.3	7
2120	Spatiotemporal pattern of inorganic carbon sequestration in Lake Hulun since 1850. Hupo Kexue/Journal of Lake Sciences, 2019, 31, 1770-1782.	0.3	2
2121	Detection and Delineation of Water Bodies in Hilly Region using CartoDEM SRTM and ASTER GDEM Data. , 2017, 1, 41-52.		10
2122	The validity of floating chambers in quantifying CO ₂ flux from headwater streams. Journal of Water and Climate Change, 2021, 12, 453-468.	1.2	5
2123	Emerging global role of small lakes and ponds: little things mean a lot. , 2010, 29, 9-24.		442
2126	Diffusive methane emissions from temperate semi-intensive carp ponds. Aquaculture Environment Interactions, 2019, 11, 19-30.	0.7	15
2127	Carbon budgets of two typical polyculture pond systems in coastal China and their potential roles in the global carbon cycle. Aquaculture Environment Interactions, 2020, 12, 105-115.	0.7	9
2128	Monomeric carbohydrate uptake and structure–function coupling in stream biofilms. Aquatic Microbial Ecology, 2011, 62, 71-83.	0.9	9
2129	Optimization of viral profiling approaches reveals strong links between viral and bacterial communities in a eutrophic freshwater lake. Aquatic Microbial Ecology, 2012, 67, 59-76.	0.9	8
2130	Consumption of terrestrial dissolved organic carbon by stream microorganisms. Aquatic Microbial Ecology, 2015, 75, 225-237.	0.9	16
2131	Microbial bioavailability of dissolved organic carbon from leachates of freshwater autotrophs. Aquatic Microbial Ecology, 2016, 76, 233-241.	0.9	4
2132	Year-round measures of planktonic metabolism reveal net autotrophy in surface waters of a Great Lakes estuary. Aquatic Microbial Ecology, 2016, 77, 139-153.	0.9	8
2133	P-limitation drives changes in DOM production by aquatic bacteria. Aquatic Microbial Ecology, 2020, 85, 35-46.	0.9	7
2134	Storm-Induced Dynamics of Particulate Organic Carbon in Clear Creek, Iowa: An Intensively Managed Landscape Critical Zone Observatory Story. Frontiers in Water, 2020, 2, .	1.0	7
2135	Ecosystem services provided by a former gravel extraction site in the uk under two contrasting restoration states. Conservation and Society, 2016, 14, 48.	0.4	11
2136	Nutrient Input and CO ₂ Flux of a Tropical Coastal Fluvial System with High Population Density in the Northeast Region of Brazil. Journal of Water Resource and Protection, 2013, 05, 362-375.	0.3	9
2137	Carbon Dioxide Emissions from the Tropical Dowleiswaram Reservoir on the Godavari River, Southeast of India. Journal of Water Resource and Protection, 2013, 05, 534-545.	0.3	10

#	ARTICLE	IF	CITATIONS
2138	Assessing branched tetraether lipids as tracers of soil organic carbon transport through the Carminowe Creek catchment (southwest England). <i>Biogeosciences</i> , 2020, 17, 3183-3201.	1.3	18
2139	Mineralization of organic matter in boreal lake sediments: rates, pathways, and nature of the fermenting substrates. <i>Biogeosciences</i> , 2020, 17, 4571-4589.	1.3	4
2140	Organic matter and sediment properties determine in-lake variability of sediment CO ₂ and CH ₄ production and emissions of a small and shallow lake. <i>Biogeosciences</i> , 2020, 17, 5057-5078.	1.3	23
2141	Estimating the storage of anthropogenic carbon in the subtropical Indian Ocean: a comparison of five different approaches. <i>Biogeosciences</i> , 2009, 6, 681-703.	1.3	46
2176	Short Communication: Humans and the missing C-sink: erosion and burial of soil carbon through time. , 0, , .		4
2180	A Fast-Response Automated Gas Equilibrator (FaRAGE) for continuous in situ measurement of CH ₄ and CO ₂ dissolved in water. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3871-3880.	1.9	20
2184	REMOTE SENSING OF WATER QUALITY IN OPTICALLY COMPLEX LAKES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXIX-B8, 165-169.	0.2	15
2185	Sediment organic carbon distribution in 4 small northern Missouri impoundments: implications for sampling and carbon sequestration. <i>Inland Waters</i> , 2013, 3, 39-46.	1.1	15
2186	Relationships between lake transparency, thermocline depth, and sediment oxygen demand in Arctic lakes. <i>Inland Waters</i> , 2014, 4, 79-90.	1.1	19
2190	A Global Sea Surface Carbon Observing System: Inorganic and Organic Carbon Dynamics in Coastal Oceans. , 2010, , .		23
2191	Interaction between surface water and groundwater and its effect on ecosystem and biogeochemical cycle. <i>Journal of Groundwater Hydrology</i> , 2018, 60, 143-156.	0.1	2
2192	Metabolism in a deep hypertrophic aquatic ecosystem with high water-level fluctuations: a decade of records confirms sustained net heterotrophy. <i>PeerJ</i> , 2018, 6, e5205.	0.9	6
2193	Machine-learning-based quantitative estimation of soil organic carbon content by VIS/NIR spectroscopy. <i>PeerJ</i> , 2018, 6, e5714.	0.9	37
2194	Importance of active layer freeze-thaw cycles on the riverine dissolved carbon export on the Qinghai-Tibet Plateau permafrost region. <i>PeerJ</i> , 2019, 7, e7146.	0.9	18
2195	Functional properties of bacterial communities in water and sediment of the eutrophic river-lake system of Poyang Lake, China. <i>PeerJ</i> , 2019, 7, e7318.	0.9	26
2197	Dissolved organic carbon from the forest floor with different decomposition rates in a rainforest in south-eastern Brazil. <i>Soil Research</i> , 2021, , .	0.6	0
2198	Rising Greenhouse Gases in the Atmosphere: The Microbes Can Be a Solution – A Review. <i>Soil Biology</i> , 2021, , 623-636.	0.6	0
2199	Microbial Sequestration of Atmospheric Carbon Dioxide. <i>Soil Biology</i> , 2021, , 199-216.	0.6	0

#	ARTICLE	IF	CITATIONS
2200	Microbial population genomes from the Amazon River reveal possible modulation of the organic matter degradation process in tropical freshwaters. <i>Molecular Ecology</i> , 2022, 31, 206-219.	2.0	2
2201	Seasonal and Spatial Variability of Dissolved Carbon Concentration and Composition in Lake Michigan Tributaries. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006449.	1.3	7
2202	Water Residence Time and Temperature Drive the Dynamics of Dissolved Organic Matter in Alpine Lakes in the Tibetan Plateau. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006908.	1.9	18
2203	Global patterns of particulate organic carbon export from land to the ocean. <i>Ecohydrology</i> , 2022, 15, e2373.	1.1	1
2204	Characteristics of humic substance in lake sediments: The case of lakes in northeastern China. <i>Journal of Hydrology</i> , 2021, 603, 127079.	2.3	7
2205	Methane in Lakes: Variability in Stable Carbon Isotopic Composition and the Potential Importance of Groundwater Input. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
2207	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
2208	Agricultural activity enhances CO ₂ and CH ₄ emissions after sediment rewetting in a tropical semiarid reservoir. <i>Hydrobiologia</i> , 2022, 849, 3979-3993.	1.0	4
2209	Linking Exotic Snails to Carbon Cycling in Kelly Warm Springs, Grand Teton National Park. <i>Annual Report</i> , 0, 30, 3-16.	0.0	1
2210	RELAÇÃO POSITIVA ENTRE PLUVIOSIDADE, CARBONO ORGÂNICO DISSOLVIDO E A SUPERSATURAÇÃO DE CO ₂ EM UMA LAGOA COSTEIRA TROPICAL. <i>Oecologia Australis</i> , 2008, 12, 92-99.	0.1	1
2211	Evaluation of global change impacts on diffuse pollution. <i>F1000 Biology Reports</i> , 2009, 1, 82.	4.0	0
2213	Dynamics of a benthic microbial community in a riverine environment subject to hydrological fluctuations (Mulargia River, Italy). , 2010, , 37-51.		0
2215	Flow regime alteration effects on the organic C dynamics in semiarid stream ecosystems. , 2010, , 233-242.		0
2223	7. Le Contexte Fluvial. , 2013, , 238-294.		0
2228	Long-term monitoring of water quality in the monomictic Ishitogawa Reservoir indicates carbon limitation. <i>Japanese Journal of Limnology</i> , 2014, 76, 111-127.	0.1	0
2230	Using paleolimnology to reconstruct historic processes of lake ecosystem services. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2014, 26, 331-339.	0.3	0
2233	Net Ecosystem Production (NEP). , 2014, , 358-363.		0
2236	Environmental Impacts of Freshwater Biogeochemistry. <i>Regional Climate Studies</i> , 2015, , 307-336.	1.2	1

#	ARTICLE	IF	CITATIONS
2241	Apports En Carbone Et Azote Dans Le Fleuve Niger À Tondibia (Niamey) : Résultats De Deux (2) Ans D'observations. European Scientific Journal, 2016, 12, 167.	0.0	0
2242	Streams: Perennial and Seasonal. , 0, , 853-857.		0
2243	Impacts of recent climate and land use dynamics on spatial and temporal changes of sediment budget and reservoir siltation in small agricultural catchments of the European Russia. , 2016, , 22-22.		0
2244	Carbon Sequestration: Fish Ponds. , 2017, , 274-278.		1
2246	Characterization ascertained from $\delta^{13}C$ and $\delta^{14}C$ of particulate organic matter in surface water from a shallow and semi-closed Lake Kiba. Journal of Nuclear and Radiochemical Sciences, 2017, 17, 17-22.	0.7	0
2247	Carbon Cycle. Encyclopedia of Earth Sciences Series, 2017, , 1-4.	0.1	0
2248	FLUCTUATION OF PARTICULATE ORGANIC MATTER IN MOUNTAINOUS RIVER WITH DIFFERENT FOREST TYPE. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2017, 73, I_323-I_330.	0.1	0
2249	Biogeochemistry of some selected Slovenian rivers (Kamniška Bistrica, Idrijca and Sava in) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 flws. Geologija, 2017, 60, 9-26.	0.1	1
2250	Organics: Sources and Depositional Environments. Encyclopedia of Earth Sciences Series, 2018, , 1-6.	0.1	0
2251	Estimation of the Total Terrestrial Organic Carbon Flux of Large Rivers in Korea using the National Water Quality Monitoring System. Hangug Hwangyeong Saengmul Haghoeji, 2017, 35, 549-556.	0.1	2
2252	Temporal Variability of Carbon Burial and the Underlying Mechanisms in Bosten Lake Since 1950. Springer Earth System Sciences, 2018, , 117-132.	0.1	1
2253	DETERMINANTS OF WATER TEMPERATURE IN THE RIVERS OVER LOW-LATITUDE REGIONS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_583-I_588.	0.0	0
2254	Characterisation of Temperate Urban Lacustrine Surface-Sediments for Minerals and Metals in Comparison with Geochemical Indices and Sediment Quality Criteria. Journal of Environmental Protection, 2018, 09, 1092-1112.	0.3	0
2256	Estonia's water bodies, between originalities and limits to qualify its limnic territories. Dynamiques Environnementales, 2018, , 410-413.	0.0	0
2257	L'Estonie des plans d'eau, entre originalités et limites pour qualifier ses territoires limniques. Dynamiques Environnementales, 2018, , 267-271.	0.0	0
2258	Fluorescence Analysis of Dissolved Organic Matter Released from Sediment of Yeongsan River. Daehan Hwan'gyeong Gonghag Hoeji, 2018, 40, 350-358.	0.4	1
2259	Effect of different water level gradients on the mineralization of sediment organic carbon in a dry lake. Hupo Kexue/Journal of Lake Sciences, 2019, 31, 881-890.	0.3	1
2261	Total Organic Carbon in the Water of Polish Dam Reservoirs. Handbook of Environmental Chemistry, 2020, , 189-207.	0.2	1

#	ARTICLE	IF	CITATIONS
2263	Enhanced biotic degradation of terrestrial POM in an estuarine salinity gradient: interactive effects of organic matter pools and changes of bacterial communities. <i>Aquatic Microbial Ecology</i> , 2019, 83, 147-159.	0.9	5
2265	Net Ecosystem Production (NEP). , 2020, , 305-314.		0
2267	Denitrification and associated nitrous oxide and carbon dioxide emissions from the Amazonian wetlands. <i>Biogeosciences</i> , 2020, 17, 4297-4311.	1.3	9
2268	Limnology in the tropics: Next steps?. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 535, 012007.	0.2	1
2269	Carbon dynamics driven by seawater recirculation and groundwater discharge along a forest-dune-beach continuum of a high-energy meso-macro-tidal sandy coast. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 18-38.	1.6	9
2270	Carbon fate in lowland rivers. <i>Nature Geoscience</i> , 0, , .	5.4	0
2271	Comprehensive analysis of chemical and biological problems associated with browning agents used in aquatic studies. <i>Limnology and Oceanography: Methods</i> , 2021, 19, 818-835.	1.0	11
2272	Dynamics and driving factors of the river <i>p</i><i>CO</i><sub>2</sub></i> in the Three Gorges Reservoir area with urbanization gradients. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2020, 32, 1020-1028.	0.3	0
2273	Ecosystem Organic Carbon Stock Estimations in the Sile River, North Eastern Italy. <i>Water (Switzerland)</i> , 2021, 13, 80.	1.2	1
2274	Carbon cycle in tropical peatlands and coastal seas. , 2022, , 83-142.		2
2275	Storage or loss of soil active carbon in cropland soils: The effect of agricultural practices and hydrology. <i>Geoderma</i> , 2022, 407, 115538.	2.3	10
2276	Molecular characteristics of surface dissolved organic matter in Meiliang Bay of Lake Taihu over the algal blooming-disappearance cycle. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2020, 32, 1599-1609.	0.3	5
2277	Spatiotemporal variations of hydrochemistry in karst dammed rivers and carbon fertilization effect of biological carbon pump: A case study of Pingzhai Reservoir and Lake Hongfeng in Guizhou Province. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2020, 32, 1683-1694.	0.3	1
2278	Carbon Cycle in Response to Global Warming. , 2020, , 1-15.		9
2279	The Discipline of Limnology. , 2022, , 11-18.		1
2281	Characteristics of Dissolved Organic Carbon in Boreal Lakes: High Spatial and Inter-Annual Variability Controlled by Landscape Attributes and Wet-Dry Periods. <i>Water Resources Research</i> , 2021, 57, .	1.7	8
2282	Detection of planktonic coenzyme factor 430 in a freshwater lake: small-scale analysis for probing archaeal methanogenesis. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	1.1	3
2283	Portable Measurement System for in situ Estimation of Oxygen and Carbon Fluxes of Submerged Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 765089.	1.7	1

#	ARTICLE	IF	CITATIONS
2284	Sources and composition of riverine dissolved organic matter to marginal seas from mainland China. <i>Journal of Hydrology</i> , 2021, 603, 127152.	2.3	19
2285	Climate Variability Drives Watersheds Along a Transporter-Transformer Continuum. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094050.	1.5	10
2288	The effects of environmental parameters on the seasonal distribution of phytoplankton in shallow Lake Ketence, Turkey. <i>Journal of Limnology and Freshwater Fisheries Research</i> , 0, , .	0.4	0
2290	Small-scale topography explains patterns and dynamics of dissolved organic carbon exports from the riparian zone of a temperate, forested catchment. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 6067-6086.	1.9	7
2291	Accounting for surface waves improves gas flux estimation at high wind speed in a large lake. <i>Earth System Dynamics</i> , 2021, 12, 1169-1189.	2.7	5
2292	Improving Predictions of Stream CO ₂ Concentrations and Fluxes Using a Stream Network Model: A Case Study in the East River Watershed, CO, USA. <i>Global Biogeochemical Cycles</i> , 2021, 35, .	1.9	10
2293	Lateral detrital C transfer across a <i>Spartina alterniflora</i> invaded estuarine wetland. <i>Ecological Processes</i> , 2021, 10, .	1.6	1
2294	Apportioning sedimentary organic matter sources and its degradation state: Inferences based on aliphatic hydrocarbons, amino acids and ¹⁵ N. <i>Environmental Research</i> , 2022, 205, 112409.	3.7	19
2295	The Importance of Spring Mixing in Evaluating Carbon Dioxide and Methane Flux From a Small North-Temperate Lake in Wisconsin, United States. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006537.	1.3	7
2296	The ballast effect controls the settling of autochthonous organic carbon in three subtropical karst reservoirs. <i>Science of the Total Environment</i> , 2022, 818, 151736.	3.9	3
2297	Dissolved organic carbon concentration and biodegradability across the global rivers: A meta-analysis. <i>Science of the Total Environment</i> , 2022, 818, 151828.	3.9	24
2298	Cross-continental importance of CH ₄ emissions from dry inland-waters. <i>Science of the Total Environment</i> , 2022, 814, 151925.	3.9	13
2299	Carbon fluxes in subtropical shallow lakes: contrasting regimes differ in CH ₄ emissions. <i>Hydrobiologia</i> , 2022, 849, 3813-3830.	1.0	11
2300	Collateral implications of carbon and metal pollution on carbon dioxide emission at land-water interface of the Ganga River. <i>Environmental Science and Pollution Research</i> , 2022, 29, 24203-24218.	2.7	2
2301	BOD as a Measure of Fluvial Organic Matter Lability- The Decoupling of O ₂ Consumption From CO ₂ Production. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	1.3	1
2302	The environmental framework of temporary ponds: A tropical-mediterranean comparison. <i>Catena</i> , 2022, 210, 105845.	2.2	10
2303	Boreal Headwater Catchment as Hot Spot of Carbon Processing From Headwater to Fjord. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006359.	1.3	4
2304	Exploring Spatially Explicit Changes in Carbon Budgets of Global River Basins during the 20th Century. <i>Environmental Science & Technology</i> , 2021, 55, 16757-16769.	4.6	21

#	ARTICLE	IF	CITATIONS
2305	Antibiotics as a silent driver of climate change? A case study investigating methane production in freshwater sediments. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 113025.	2.9	4
2306	Preface: conservation of european ponds-current knowledge and future needs. , 2010, 29, 1-8.		32
2307	Effects of Reversal of Water Flow in an Arctic Floodplain River on Fluvial Emissions of CO ₂ and CH ₄ . <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, e2021JG006485.	1.3	9
2308	Partitioning carbon sources between wetland and well-drained ecosystems to a tropical first-order stream – implications for carbon cycling at the watershed scale (Nyong, Cameroon). <i>Biogeosciences</i> , 2022, 19, 137-163.	1.3	3
2309	Significant winter CO ₂ uptake by saline lakes on the Qinghai–Tibet Plateau. <i>Global Change Biology</i> , 2022, 28, 2041-2052.	4.2	27
2310	Interactions of anthropogenic and terrestrial sources drive the varying trends in molecular chemodiversity profiles of DOM in urban storm runoff, compared to land use patterns. <i>Science of the Total Environment</i> , 2022, 817, 152990.	3.9	5
2311	Vertically stratified water source characteristics and associated driving mechanisms of particulate organic carbon in a large floodplain lake system. <i>Water Research</i> , 2022, 209, 117963.	5.3	17
2312	Integrating remote sensing of hydrological processes and dissolved organic carbon fluxes in long-term Lake Studies. <i>Journal of Hydrology</i> , 2022, 605, 127331.	2.3	4
2313	Ecology and extent of freshwater browning - What we know and what should be studied next in the context of global change. <i>Science of the Total Environment</i> , 2022, 812, 152420.	3.9	31
2314	Organic carbon source tracing and the BCP effect in the Yangtze River and the Yellow River: Insights from hydrochemistry, carbon isotope, and lipid biomarker analyses. <i>Science of the Total Environment</i> , 2022, 812, 152429.	3.9	16
2315	Source tracking of dissolved organic nitrogen at the molecular level during storm events in an agricultural watershed. <i>Science of the Total Environment</i> , 2022, 810, 152183.	3.9	19
2316	Groundwater-surface water interactions and flux of organic matter and nutrients in an urban, Mediterranean stream. <i>Science of the Total Environment</i> , 2022, 811, 152379.	3.9	9
2317	Reactive transport modelling the oxalate-carbonate pathway of the Iroko tree; Investigation of calcium and carbon sinks and sources. <i>Geoderma</i> , 2022, 410, 115665.	2.3	4
2318	Removal of chromophoric dissolved organic matter under combined photochemical and microbial degradation as a response to different irradiation intensities. <i>Journal of Environmental Sciences</i> , 2022, 118, 76-86.	3.2	5
2319	Chemical denudation and geochemical degradation of the relief in the Quadrilátero Ferrífero region, Brazil: An approach from an important hydrographic microbasin up to the geological unity. <i>Journal of South American Earth Sciences</i> , 2022, 113, 103649.	0.6	0
2320	Pelagic primary production in the coastal Mediterranean Sea: variability, trends, and contribution to basin-scale budgets. <i>Biogeosciences</i> , 2022, 19, 47-69.	1.3	10
2321	Disproportionate Contribution of Vegetated Habitats to the CH ₄ and CO ₂ Budgets of a Boreal Lake. <i>Ecosystems</i> , 2022, 25, 1522-1541.	1.6	14
2322	Daily Variations in pCO ₂ and fCO ₂ in a Subtropical Urbanizing Lake. <i>Frontiers in Earth Science</i> , 2022, 9, .	0.8	5

#	ARTICLE	IF	CITATIONS
2323	The limnological response of Arctic deltaic lakes to alterations in flood regime. <i>Inland Waters</i> , 0, , 1-45.	1.1	1
2324	Enhanced bioavailability of dissolved organic matter (DOM) in human-disturbed streams in Alpine fluvial networks. <i>Biogeosciences</i> , 2022, 19, 187-200.	1.3	7
2325	Impact of anthropogenic disturbances on carbon cycle changes in terrestrialâ€œaquaticâ€œestuarine continuum by using an advanced processâ€œbased model. <i>Hydrological Processes</i> , 2022, 36, .	1.1	9
2326	A review of carbon monitoring in wet carbon systems using remote sensing. <i>Environmental Research Letters</i> , 2022, 17, 025009.	2.2	29
2327	High Latitude Rivers: Ecosystems Shaped by Environmental Extremes. , 2022, , .		0
2328	Loss of phylogenetic diversity under landscape change. <i>Science of the Total Environment</i> , 2022, 822, 153595.	3.9	2
2329	Effects of extreme flooding on aquatic vegetation cover in Shengjin Lake, China. <i>Hydrological Processes</i> , 2022, 36, .	1.1	5
2330	Hydrological properties predict the composition of microbial communities cycling methane and nitrogen in rivers. <i>ISME Communications</i> , 2022, 2, .	1.7	3
2331	Longâ€œterm suspended sediment and particulate organic carbon yields from the Reynolds Creek Experimental Watershed and Critical Zone Observatory. <i>Hydrological Processes</i> , 2022, 36, .	1.1	5
2332	Three Gorges Dam: friend or foe of riverine greenhouse gases?. <i>National Science Review</i> , 2022, 9, .	4.6	27
2334	The role of terrestrial productivity and hydrology in regulating aquatic dissolved organic carbon concentrations in boreal catchments. <i>Global Change Biology</i> , 2022, 28, 2764-2778.	4.2	8
2335	Assessing Restoration of Ecosystem Functioning in Brazilian Subtropical and Tropical Streams. <i>Limnology and Oceanography Bulletin</i> , 2022, 31, 6-11.	0.2	2
2336	Dynamic impacts of changes in river structure and connectivity on water quality under urbanization in the Yangtze River Delta plain. <i>Ecological Indicators</i> , 2022, 135, 108582.	2.6	20
2337	Predicting the impact of spatial heterogeneity on microbially mediated nutrient cycling in the subsurface. <i>Biogeosciences</i> , 2022, 19, 665-688.	1.3	6
2338	Carbon dynamics and CO2 and CH4 exchange in the mangrove dominated Guayas river delta, Ecuador. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 267, 107766.	0.9	7
2339	Response of CO2 and CH4 transport to damming: A case study of Yulin River in the Three Gorges Reservoir, China. <i>Environmental Research</i> , 2022, 208, 112733.	3.7	8
2340	Turnover of dissolved organic carbon fuels nocturnal CO2 emissions from a headwater catchment reservoir, Southeastern China: Effects of ecosystem metabolism on source partitioning of CO2 emissions. <i>Journal of Environmental Sciences</i> , 2022, 121, 98-111.	3.2	3
2341	Sustained high CO2 concentrations and fluxes from Australiaâ€œs largest river system. <i>Marine and Freshwater Research</i> , 2022, , .	0.7	2

#	ARTICLE	IF	CITATIONS
2343	Spatial and temporal variation of dissolved CO ₂ in rainwater from an arid region with special focus on its association with DIC and pCO ₂ . <i>Environmental Earth Sciences</i> , 2022, 81, 1.	1.3	10
2344	Terrestrial carbon sinks in China and around the world and their contribution to carbon neutrality. <i>Science China Life Sciences</i> , 2022, 65, 861-895.	2.3	163
2345	Carbon concentrations in natural and restoration pools in blanket peatlands. <i>Hydrological Processes</i> , 2022, 36, .	1.1	5
2346	Groundwater-stream connectivity from minutes to months across United States basins as revealed by spectral analysis. <i>Hydrological Processes</i> , 0, , .	1.1	1
2347	Multidecadal Trends in Organic Carbon Flux Through a Grassland River Network Shaped by Human Controls and Climatic Cycles. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
2348	Submarine Groundwater and River Discharges Affect Carbon Cycle in a Highly Urbanized and River-Dominated Coastal Area. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
2349	Substrate diversity affects carbon utilization rate and threshold concentration for uptake by natural bacterioplankton communities. <i>Aquatic Microbial Ecology</i> , 2022, 88, 95-108.	0.9	1
2350	Greenhouse Gas Emission from Inland Open Water Bodies and Their Estimation Process—An Emerging Issue in the Era of Climate Change. <i>Agricultural Sciences</i> , 2022, 13, 290-306.	0.2	2
2351	Stream Bacterial Diversity Peaks at Intermediate Freshwater Salinity and Varies by Salt Type. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2352	Remote Sensing of Inland Water Quality. , 2022, , .		0
2353	Sources, transportations and variation characteristics of dissolved inorganic carbon in Lake Poyang, China. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2022, 34, 528-537.	0.3	0
2354	Carbon Dynamics in Wetlands. , 2022, , 169-181.		3
2356	Photodegradation of humic acid from the surrounding soils of a sub-alpine Lake Tiancai. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2022, 34, 553-568.	0.3	2
2358	Nutrient enrichment intensifies the effects of warming on metabolic balance of stream ecosystems. <i>Limnology and Oceanography Letters</i> , 2022, 7, 332-341.	1.6	8
2359	Spatiotemporal patterns and drivers of terrestrial dissolved organic carbon (DOC) leaching into the European river network. <i>Earth System Dynamics</i> , 2022, 13, 393-418.	2.7	11
2360	Export of Dissolved Organic Carbon from the Source Region of Yangtze River in the Tibetan Plateau. <i>Sustainability</i> , 2022, 14, 2441.	1.6	4
2361	The in situ Production of Aquatic Fluorescent Organic Matter in a Simulated Freshwater Laboratory Model. <i>Frontiers in Microbiology</i> , 2022, 13, 817976.	1.5	0
2362	Estimation of Methane Emissions from Reservoirs Based on Country-Specific Trophic State Assessment in Korea. <i>Water (Switzerland)</i> , 2022, 14, 562.	1.2	0

#	ARTICLE	IF	CITATIONS
2365	Age and chemistry of dissolved organic carbon reveal enhanced leaching of ancient labile carbon at the permafrost thaw zone. <i>Biogeosciences</i> , 2022, 19, 1211-1223.	1.3	2
2366	Sediment Disturbance Negatively Impacts Methanogen Abundance but Has Variable Effects on Total Methane Emissions. <i>Frontiers in Microbiology</i> , 2022, 13, 796018.	1.5	1
2367	Removal of Fecal Indicator Bacteria by River Networks. <i>Water (Switzerland)</i> , 2022, 14, 617.	1.2	1
2368	Coupled CH ₄ production and oxidation support CO ₂ supersaturation in a tropical flood pulse lake (Tonle Sap Lake, Cambodia). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	7
2369	Light and flow regimes regulate the metabolism of rivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	62
2370	Spatial Distribution of Ciliate Assemblages in a Shallow Floodplain Lake with an Anaerobic Zone. <i>Water (Switzerland)</i> , 2022, 14, 898.	1.2	3
2371	Molecular composition of dissolved organic matter in saline lakes of the Qing-Tibetan Plateau. <i>Organic Geochemistry</i> , 2022, 167, 104400.	0.9	12
2372	Greenhouse gas emissions from Mexican inland waters: first estimation and uncertainty using an upscaling approach. <i>Inland Waters</i> , 2022, 12, 294-310.	1.1	4
2373	The land-to-ocean loops of the global carbon cycle. <i>Nature</i> , 2022, 603, 401-410.	13.7	150
2374	The importance of hydrology in routing terrestrial carbon to the atmosphere via global streams and rivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2106322119.	3.3	48
2375	A Re-evaluation of Wetland Carbon Sink Mitigation Concepts and Measurements: A Diagenetic Solution. <i>Wetlands</i> , 2022, 42, 1.	0.7	7
2376	Time-Varying Functional Principal Components for Non-Stationary EpCO ₂ in Freshwater Systems. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2022, 27, 506-522.	0.7	2
2377	Patterns and controls of carbon dioxide concentration and fluxes at the air-water interface in South American lowland streams. <i>Aquatic Sciences</i> , 2022, 84, 1.	0.6	2
2378	Spatial Mapping of Dissolved Gases in the Danube Delta Reveals Intense Plant-Mediated Gas Transfer. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	1
2379	Peatland Dissolved Organic Carbon Export to Surface Waters: Global Significance and Effects of Anthropogenic Disturbance. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	12
2380	Fluorescence and molecular signatures of dissolved organic matter to monitor and assess its multiple sources from a polluted river in the farming-pastoral ecotone of northern China. <i>Science of the Total Environment</i> , 2022, 837, 154575.	3.9	17
2381	Integrating Perspectives on Dissolved Organic Carbon Removal and Whole-Stream Metabolism. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
2382	Characterisation of riverine dissolved organic matter using a complementary suite of chromatographic and mass spectrometric methods. <i>Biogeochemistry</i> , 0, , 1.	1.7	4

#	ARTICLE	IF	CITATIONS
2383	Interlaboratory differences in the apparent quantum yield for the photochemical production of dissolved inorganic carbon in inland waters and implications for photochemical rate modeling. <i>Limnology and Oceanography: Methods</i> , 2022, 20, 320-337.	1.0	6
2384	Using Machine Learning to Predict Inland Aquatic CO ₂ and CH ₄ Concentrations and the Effects of Wildfires in the Yukon-Kuskokwim Delta, Alaska. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	13
2385	Evidence for pulse-shunt carbon exports from a mixed land-use, restored prairie watershed. <i>Freshwater Science</i> , 0, , 000-000.	0.9	0
2386	Trapped Under Ice: Spatial and Seasonal Dynamics of Dissolved Organic Matter Composition in Tundra Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
2387	Global Controls on DOC Reaction Versus Export in Watersheds: A Damköhler Number Analysis. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	11
2388	Molecular-level composition of dissolved organic matter in distinct trophic states in Chinese lakes: Implications for eutrophic lake management and the global carbon cycle. <i>Water Research</i> , 2022, 217, 118438.	5.3	50
2389	Seasonal shifts in diurnal variations of CO_2 and O_2 in the lower Ganges River. <i>Limnology and Oceanography Letters</i> , 2022, 7, 191-201.	1.6	7
2390	Anthropogenic control of coupled changes in organic and inorganic carbon burial in karst landscape: Sediment evidence from two lakes of subtropical China. <i>Ecological Indicators</i> , 2022, 138, 108811.	2.6	2
2391	Using CDOM spectral shape information to improve the estimation of DOC concentration in inland waters: A case study of Andean Patagonian Lakes. <i>Science of the Total Environment</i> , 2022, 824, 153752.	3.9	11
2392	Groundwater discharge tracing for a large Ice-Covered lake in the Tibetan Plateau: Integrated satellite remote sensing data, chemical components and isotopes (D, ¹⁸ O, and ²²² Rn). <i>Journal of Hydrology</i> , 2022, 609, 127741.	2.3	14
2393	Unraveling microbe-mediated degradation of lignin and lignin-derived aromatic fragments in the Pearl River Estuary sediments. <i>Chemosphere</i> , 2022, 296, 133995.	4.2	2
2394	Provenances, preponderances, and distribution of humic acids and organic pollutants in hydro-geosphere: The co-existence, interaction and isotopic biomarkers in the riverine ecosystem. <i>Journal of Environmental Management</i> , 2022, 313, 114996.	3.8	4
2395	Lagrangian profiles of riverine autotrophy, organic matter transformation, and micropollutants at extreme drought. <i>Science of the Total Environment</i> , 2022, 828, 154243.	3.9	6
2396	CO ₂ acidification and its differential responses on aquatic biota – a review. <i>Environmental Advances</i> , 2022, 8, 100219.	2.2	8
2397	Out of gas: re-flooding does not boost carbon emissions from drawdown areas in semiarid reservoirs after prolonged droughts. <i>Aquatic Sciences</i> , 2022, 84, 1.	0.6	3
2398	Improving Carbonate Equilibria-Based Estimation of pCO ₂ in Anthropogenically Impacted River Systems. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
2399	Contrasting Biophysical Controls on Carbon Dioxide and Methane Outgassing From Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	11
2400	Fresh terrestrial detritus fuels both heterotrophic and autotrophic activities in the planktonic food web of a tropical reservoir: a mesocosm study. <i>Hydrobiologia</i> , 2022, 849, 3931-3946.	1.0	3

#	ARTICLE	IF	CITATIONS
2401	A Review of Quantifying pCO ₂ in Inland Waters with a Global Perspective: Challenges and Prospects of Implementing Remote Sensing Technology. <i>Remote Sensing</i> , 2021, 13, 4916.	1.8	8
2402	Eutrophication and temperature drive large variability in carbon dioxide from China's Lake Taihu. <i>Limnology and Oceanography</i> , 2022, 67, 379-391.	1.6	36
2403	Budget of Plant Litter and Litter Carbon in the Subalpine Forest Streams. <i>Forests</i> , 2021, 12, 1764.	0.9	5
2404	Direct effects of elevated dissolved CO ₂ can alter the life history of freshwater zooplankton. <i>Scientific Reports</i> , 2022, 12, 6134.	1.6	3
2406	Extreme rainstorms drive exceptional organic carbon export from forested humid-tropical rivers in Puerto Rico. <i>Nature Communications</i> , 2022, 13, 2058.	5.8	9
2407	Effects of thinning on soil aggregation, organic carbon and labile carbon component distribution in <i>Larix principis-rupprechtii</i> plantations in North China. <i>Ecological Indicators</i> , 2022, 139, 108873.	2.6	10
2424	The sorting effect of hydrodynamics on the geochemical compositions of sedimentary organic matter in a lacustrine rift basin: Significance for hydrocarbon exploration on the Qibei slope, Bohai Bay Basin, China. <i>Marine and Petroleum Geology</i> , 2022, 141, 105705.	1.5	5
2425	Continuous Monitoring of the Surface Water Area in the Yellow River Basin during 1986–2019 Using Available Landsat Imagery and the Google Earth Engine. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 305.	1.4	6
2426	Impacts of Hurricanes on Nutrient Export and Ecosystem Metabolism in a Blackwater River Estuary Complex. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 661.	1.2	1
2427	Riverine dissolved organic matter (DOM) as affected by urbanization gradient. <i>Environmental Research</i> , 2022, 212, 113457.	3.7	16
2428	Detrital Carbonate Minerals in Earth's Element Cycles. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	7
2429	A Terrestrial–Aquatic Model Reveals Cross-Scale Interactions Regulate Lateral Dissolved Organic Carbon Transport From Terrestrial Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	2
2430	Microbial metabolism changes molecular compositions of riverine dissolved organic matter as regulated by temperature. <i>Environmental Pollution</i> , 2022, 306, 119416.	3.7	11
2433	Hydrology influences carbon flux through metabolic pathways in the hypolimnion of a Mediterranean reservoir. <i>Aquatic Sciences</i> , 2022, 84, .	0.6	2
2434	Meter-scale variation within a single transect demands attention to taxon accumulation curves in riverine microbiome studies. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	3.3	1
2435	Calculation of flows of autochthonic organic matter on the example of lake Nizhneye Barabinsky district Novosibirsk region. <i>Rybovodstvo I Rybnoe Hozjajstvo</i> , 2022, , 20-35.	0.0	0
2436	State of science in carbon budget assessments for temperate forests and grasslands. , 2022, , 237-270.		0
2437	Boreal forests. , 2022, , 203-236.		1

#	ARTICLE	IF	CITATIONS
2438	Tropical ecosystem greenhouse gas accounting. , 2022, , 271-309.		0
2439	Dynamics of Dissolved Carbon in Subalpine Forest Streams. <i>Forests</i> , 2022, 13, 795.	0.9	1
2440	Photosynthesis, growth, and distribution of plants in lowland streamsâ€”A synthesis and new data analyses of 40Åyears research. <i>Freshwater Biology</i> , 2022, 67, 1255-1271.	1.2	3
2441	Coal combustion facilitating faster burial of char than soot in a plateau lake of southwest China. <i>Journal of Hazardous Materials</i> , 2022, 436, 129209.	6.5	12
2442	Large alpine deep lake as a source of greenhouse gases: A case study on Lake Fuxian in Southwestern China. <i>Science of the Total Environment</i> , 2022, 838, 156059.	3.9	8
2443	Stoichiometric flexibility regulates the co-metabolism effect during organic carbon mineralization in eutrophic lacustrine sediments. <i>Journal of Oceanology and Limnology</i> , 2022, 40, 1974-1984.	0.6	3
2444	Carbon Sequestration Potential in the Restoration of Highly Eutrophic Shallow Lakes. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6308.	1.2	5
2445	Modeling subgrid lake energy balance in ORCHIDEE terrestrial scheme using the FLake lake model. <i>Geoscientific Model Development</i> , 2022, 15, 4275-4295.	1.3	2
2446	Metagenomics Unveils Microbial Diversity and Their Biogeochemical Roles in Water and Sediment of Thermokarst Lakes in the Yellow River Source Area. <i>Microbial Ecology</i> , 2023, 85, 904-915.	1.4	2
2447	Effects of hydropower management on the sediment composition and metabolism of a small Alpine lake. <i>Hydroecologie Appliquee</i> , 2022, 22, 1.	1.3	0
2448	Organic Molecular Signatures of the Congo River and Comparison to the Amazon. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	14
2449	Origin, transport, and retention of fluvial sedimentary organic matter in South Africa's largest freshwater wetland, Mkhuze Wetland System. <i>Biogeosciences</i> , 2022, 19, 2881-2902.	1.3	1
2450	Stream Hydrology Controls the Longitudinal Bioreactive Footprint of Urban-Sourced Fine Particles. <i>Environmental Science & Technology</i> , 2022, 56, 9083-9091.	4.6	1
2451	Using hierarchical stable isotope to reveal microbial food web structure and trophic transfer efficiency differences during lake melt season. <i>Science of the Total Environment</i> , 2022, 842, 156893.	3.9	2
2452	Greenhouse gas emissions from African lakes are no longer a blind spot. <i>Science Advances</i> , 2022, 8, .	4.7	25
2453	Effects of Habitat Differences on Microbial Communities during Litter Decomposing in a Subtropical Forest. <i>Forests</i> , 2022, 13, 919.	0.9	4
2454	Globally, Freshwater Ecosystems Emit More CO2 Than the Burning of Fossil Fuels. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
2455	Ecosystem services provided by river-floodplain ecosystems. <i>Hydrobiologia</i> , 2023, 850, 2563-2584.	1.0	21

#	ARTICLE	IF	CITATIONS
2456	Hydrologic Export of Soil Organic Carbon: Continental Variation and Implications. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	1
2457	CO ₂ emissions from peat-draining rivers regulated by water pH. <i>Biogeosciences</i> , 2022, 19, 2855-2880.	1.3	2
2458	High stability of autochthonous dissolved organic matter in karst aquatic ecosystems: Evidence from fluorescence. <i>Water Research</i> , 2022, 220, 118723.	5.3	20
2459	Stream bacterial diversity peaks at intermediate freshwater salinity and varies by salt type. <i>Science of the Total Environment</i> , 2022, 840, 156690.	3.9	6
2460	Stable carbon isotopes trace the effect of fossil fuels on fractions of particulate black carbon in a large urban lake in China. <i>Journal of Environmental Management</i> , 2022, 318, 115528.	3.8	7
2461	Distribution of particulate and dissolved organic carbon in surface waters of northern scottish fjords. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 274, 107952.	0.9	4
2462	Characteristics and influence factors of carbon dioxide efflux from Lake Hongze under different hydrological scenarios. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2022, 34, 1347-1358.	0.3	2
2463	Orbitally Forced Organic Matter Accumulation Recorded in an Early Permian Mid-Latitude Palaeolake. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2464	Carbon Dioxide and Methane Dynamics in a Peatland Headwater Stream: Origins, Processes and Implications. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	9
2465	Long-term preservation of biomolecules in lake sediments: potential importance of physical shielding by recalcitrant cell walls. , 2022, 1, .		4
2466	Interactions between microplastics and benthic biofilms in fluvial ecosystems: Knowledge gaps and future trends. <i>Freshwater Science</i> , 2022, 41, 442-458.	0.9	10
2467	Carbon fluxes in a carbonate rock dominated microbasin of the Quadril�tero Ferr�fero, Brazil. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	0
2468	Magnitude and Origin of CO ₂ Evasion From High-Latitude Lakes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
2469	Distributive Features of Dissolved Organic Carbon in Aquatic Systems in the Source Area of the Yellow River on the Northeastern Qinghai-Tibet Plateau, China. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	0
2470	Litter quality and stream physicochemical properties drive global invertebrate effects on instream litter decomposition. <i>Biological Reviews</i> , 2022, 97, 2023-2038.	4.7	23
2471	Anthropogenic land use and urbanization alter the dynamics and increase the export of dissolved carbon in an urbanized river system. <i>Science of the Total Environment</i> , 2022, 846, 157436.	3.9	6
2472	Greenhouse gases concentrations and emissions from a small subtropical cascaded river-reservoir system. <i>Journal of Hydrology</i> , 2022, 612, 128190.	2.3	2
2473	Organic matter transformations are disconnected between surface water and the hyporheic zone. <i>Biogeosciences</i> , 2022, 19, 3099-3110.	1.3	4

#	ARTICLE	IF	CITATIONS
2474	Separating natural from human enhanced methane emissions in headwater streams. <i>Nature Communications</i> , 2022, 13, .	5.8	6
2475	Partitioning inorganic carbon fluxes from paired O ₂ –CO ₂ gas measurements in a Neotropical headwater stream, Costa Rica. <i>Biogeochemistry</i> , 2022, 160, 259-273.	1.7	4
2476	Comparison of spectrophotometric and electrochemical <sc>pH</sc> measurements for calculating freshwater <sc>p</sc>CO ₂ . <i>Limnology and Oceanography: Methods</i> , 2022, 20, 514-529.	1.0	3
2478	Catchment Dissolved Organic Carbon Transport: A Modeling Approach Combining Water Travel Times and Reactivity Continuum. <i>Water Resources Research</i> , 2022, 58, .	1.7	7
2479	A systematic increase in the slope of the concentration discharge relation for dissolved organic carbon in a forested catchment in Vermont, USA. <i>Science of the Total Environment</i> , 2022, 844, 156954.	3.9	3
2480	Methane concentrations and fluxes in agricultural and preserved tropical headwater streams. <i>Science of the Total Environment</i> , 2022, 844, 157238.	3.9	3
2481	Habitat preferences and trophic interactions of the benthic invertebrate communities inhabiting depositional and erosional banks of a meander from Danube Delta (Romania). <i>Global Ecology and Conservation</i> , 2022, 38, e02213.	1.0	1
2482	Depth induced assembly discrepancy of multitrophic microbial communities affect microbial nitrogen transformation processes in river cross-sections. <i>Environmental Research</i> , 2022, 214, 113913.	3.7	2
2483	Sensitivity of river catchments to discharge-controlled dissolved carbon export: a study of eight catchments in southern Patagonia. <i>Biogeochemistry</i> , 0, , .	1.7	4
2484	Lake metabolic processes and their effects on the carbonate weathering CO ₂ sink: Insights from diel variations in the hydrochemistry of a typical karst lake in SW China. <i>Water Research</i> , 2022, 222, 118907.	5.3	14
2485	Carbon and nutrients regulate greenhouse gas fluxes from oxic stream sediments. <i>Biogeochemistry</i> , 2022, 160, 275-287.	1.7	3
2486	Estimating the lateral transfer of organic carbon through the European river network using a land surface model. <i>Earth System Dynamics</i> , 2022, 13, 1119-1144.	2.7	3
2487	DIC fertilization of primary production in karst lake-reservoirs and its effects on carbon sequestration and mitigation of eutrophication. <i>Chinese Science Bulletin</i> , 2023, 68, 915-926.	0.4	4
2488	Rewetting global wetlands effectively reduces major greenhouse gas emissions. <i>Nature Geoscience</i> , 2022, 15, 627-632.	5.4	42
2489	The Impacts of Nitrogen Pollution and Urbanization on the Carbon Dioxide Emission from Sewage-Draining River Networks. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 10296.	1.2	1
2490	Parsing spatial and temporal variation in stream ecosystem functioning. <i>Ecosphere</i> , 2022, 13, .	1.0	5
2491	Spatial dynamics of dissolved organic matter among different segments of a large-scale reservoir in the water-level declining period. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
2492	Contributions of climate, vegetation and soil to the alpine sediment carbon accumulation rate in central China since the Middle Holocene. <i>Boreas</i> , 2023, 52, 99-108.	1.2	1

#	ARTICLE	IF	CITATIONS
2493	Prevalence of Autotrophy in Non-humic African Lakes. <i>Ecosystems</i> , 2023, 26, 627-642.	1.6	6
2494	A dataset of lake-catchment characteristics for the Tibetan Plateau. <i>Earth System Science Data</i> , 2022, 14, 3791-3805.	3.7	12
2495	Association between greenhouse gases and dissolved organic matter composition in the main rivers around Taihu Lake. <i>Journal of Freshwater Ecology</i> , 2022, 37, 467-479.	0.5	1
2496	Organic carbon in British lowland ponds: estimating sediment stocks, possible practical benefits and significant unknowns. <i>Hydrobiologia</i> , 2023, 850, 3225-3239.	1.0	2
2497	Dynamic simulation of CO ₂ flux in a hydropower reservoir in Southwest China. <i>Journal of Hydrology</i> , 2022, 613, 128354.	2.3	2
2498	Variations of leachate CO ₂ and N ₂ O concentrations on typical cultivated and natural hillslopes in southeastern hilly area of China. <i>Agriculture, Ecosystems and Environment</i> , 2022, 339, 108140.	2.5	2
2499	Sources and cycling of dissolved organic and inorganic carbon on the northern Qinghai-Tibetan Plateau: Radiocarbon results from Qinghai Lake. <i>Science of the Total Environment</i> , 2022, 851, 158123.	3.9	4
2500	Spatiotemporal Patterns in pCO ₂ and Nutrient Concentration: Implications for the CO ₂ Variations in a Eutrophic Lake. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12150.	1.2	1
2501	Determining whether hydrological processes drive carbon source and sink conversion shifts in a large floodplain-lake system in China. <i>Water Research</i> , 2022, 224, 119105.	5.3	5
2502	Unravelling nutrient fate and CO ₂ concentrations in the reservoirs of the Seine Basin using a modelling approach. <i>Water Research</i> , 2022, 225, 119135.	5.3	2
2503	Methane and nitrous oxide concentrations and fluxes from heavily polluted urban streams: Comprehensive influence of pollution and restoration. <i>Environmental Pollution</i> , 2022, 313, 120098.	3.7	14
2504	On the integration of LiDAR and field data for riparian biomass estimation. <i>Journal of Environmental Management</i> , 2022, 322, 116046.	3.8	4
2505	Spatial variations of activity and community structure of nitrite-dependent anaerobic methanotrophs in river sediment. <i>Science of the Total Environment</i> , 2022, 851, 158288.	3.9	6
2506	Multiple drying aspects shape dissolved organic matter composition in intermittent streams. <i>Science of the Total Environment</i> , 2022, 852, 158376.	3.9	3
2507	Trace metal complexation with dissolved organic matter stresses microbial metabolisms and triggers community shifts: The intercorrelations. <i>Environmental Pollution</i> , 2022, 314, 120221.	3.7	8
2508	Aerosol in the Earth system. , 2022, , 53-99.		0
2509	CO ₂ dynamics in a small and old subtropical reservoir in East Asia: Environmental controls driving seasonal and spatial variability. <i>Science of the Total Environment</i> , 2023, 856, 159047.	3.9	1
2510	The Seasonal Dynamics of Organic and Inorganic Carbon along the Tropical Usumacinta River Basin (Mexico). <i>Water (Switzerland)</i> , 2022, 14, 2703.	1.2	3

#	ARTICLE	IF	CITATIONS
2511	The dominant role of sunlight in degrading winter dissolved organic matter from a thermokarst lake in a subarctic peatland. <i>Biogeosciences</i> , 2022, 19, 3959-3977.	1.3	6
2512	Spatiotemporal Variations of Riverine CO ₂ Partial Pressure and its Effect on CO ₂ Flux at the Water–Air Interface in a Small Karst River. <i>Aquatic Geochemistry</i> , 0, , .	1.5	2
2513	Significant diurnal variation of CO ₂ flux from a shallow eutrophic lake: effects of submerged aquatic vegetation and algae bloom. <i>Aquatic Sciences</i> , 2022, 84, .	0.6	6
2514	Carbon dynamics at the river–estuarine transition: a comparison among tributaries of Chesapeake Bay. <i>Biogeosciences</i> , 2022, 19, 4209-4226.	1.3	5
2516	Seasonal, Diurnal, and Tidal Variations of Dissolved Inorganic Carbon and pCO ₂ in Surface Waters of a Temperate Coastal Lagoon (Arcachon, SW France). <i>Estuaries and Coasts</i> , 0, , .	1.0	1
2517	From soil to sea: sources and transport of organic carbon traced by tetraether lipids in the monsoonal Godavari River, India. <i>Biogeosciences</i> , 2022, 19, 3979-4010.	1.3	6
2518	Remotely Sensing River Greenhouse Gas Exchange Velocity Using the SWOT Satellite. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	2
2519	Stream metabolism sources a large fraction of carbon dioxide to the atmosphere in two hydrologically contrasting headwater streams. <i>Limnology and Oceanography</i> , 2022, 67, 2621-2634.	1.6	10
2520	High frequency UV–Vis sensors estimate error in riverine dissolved organic carbon load estimates from grab sampling. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	0
2521	Variability of Carbon Export in the Lower Mississippi River during an Extreme Cold and Warm Year. <i>Water (Switzerland)</i> , 2022, 14, 3044.	1.2	3
2522	The buffering of a riverine carbonate system under the input of acid mine drainage: Example from a small karst watershed, southwest China. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5
2523	Molecular Composition of Dissolved Organic Matter in the Changjiang (Yangtze River) – Imprints of Anthropogenic Impact. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	3
2524	Mapping global lake dynamics reveals the emerging roles of small lakes. <i>Nature Communications</i> , 2022, 13, .	5.8	53
2525	Urbanization and seasonality strengthens the CO ₂ capacity of the Red River Delta, Vietnam. <i>Environmental Research Letters</i> , 2022, 17, 104052.	2.2	6
2526	Depth and basin shape constrain ecosystem metabolism in lakes dominated by benthic primary producers. <i>Limnology and Oceanography</i> , 2022, 67, 2763-2778.	1.6	5
2527	Seasonal variability of CO ₂ , CH ₄ , and N ₂ O content and fluxes in small agricultural reservoirs of the northern Great Plains. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5
2528	Orbitally forced organic matter accumulation recorded in an Early Permian mid-latitude palaeolake. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 606, 111259.	1.0	6
2529	Greenhouse Gas Emissions from a Main Tributary of the Yangtze River, Eastern China. <i>Sustainability</i> , 2022, 14, 13729.	1.6	0

#	ARTICLE	IF	CITATIONS
2530	Contrasting seasons and land uses alter riverine dissolved organic matter composition. <i>Biogeochemistry</i> , 2022, 161, 207-226.	1.7	4
2531	Drivers of water quality in Afromontane-savanna rivers. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5
2532	Patterns in riverine carbon, nutrient and suspended solids export to the Eastern James Bay: links to climate, hydrology and landscape. <i>Biogeochemistry</i> , 2022, 161, 291-314.	1.7	4
2533	Global changes alter the amount and composition of land carbon deliveries to European rivers and seas. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	9
2534	Seasonally variable interactions between dissolved organic matter and mineral particles in an agricultural river. <i>Aquatic Sciences</i> , 2023, 85, .	0.6	1
2535	Molecular tracers for characterization and distribution of organic matter in a freshwater lake system from the Lesser Himalaya. <i>Biogeochemistry</i> , 2022, 161, 315-334.	1.7	1
2536	Carbon dioxide degassing and lateral dissolved carbon export during the unprecedented 2019 Mississippi river mega flood – Implications for large river carbon transport under future climate. <i>Journal of Hydrology</i> , 2022, 614, 128650.	2.3	3
2537	Air-water interactions regulating water temperature of lakes: Direct observations (Agamon Hula.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1</i>	2.3	1
2538	Unique distribution pattern and $\delta^{13}C$ signature of des-A-triterpenoids from Lake Wuliangsu: Source and paleoenvironmental implications. <i>Organic Geochemistry</i> , 2022, 174, 104509.	0.9	2
2539	In-lake processing counteracts the effect of allochthonous input on the composition of color dissolved organic matter in a deep lake. <i>Science of the Total Environment</i> , 2023, 856, 158970.	3.9	3
2540	Joint role of land cover types and microbial processing on molecular composition of dissolved organic matter in inland lakes. <i>Science of the Total Environment</i> , 2023, 857, 159522.	3.9	4
2541	Mind the gaps: What do we know about how multiple chemical stressors impact freshwater aquatic microbiomes?. <i>Advances in Ecological Research</i> , 2022, , 331-377.	1.4	3
2542	Comprehensive assessment of dissolved organic matter processing in the Amazon River and its major tributaries revealed by positive and negative electrospray mass spectrometry and NMR spectroscopy. <i>Science of the Total Environment</i> , 2023, 857, 159620.	3.9	2
2543	Contrasting catchment soil pH and Fe concentrations influence DOM distribution and nutrient dynamics in freshwater systems. <i>Science of the Total Environment</i> , 2023, 858, 159988.	3.9	1
2544	Optical and molecular indices of dissolved organic matter for estimating biodegradability and resulting carbon dioxide production in inland waters: A review. <i>Water Research</i> , 2023, 228, 119362.	5.3	16
2545	Limnology and diatom ecology of shallow lakes in a rapidly thawing discontinuous permafrost peatland. <i>Inland Waters</i> , 2023, 13, 13-29.	1.1	0
2546	High rates of daytime river metabolism are an underestimated component of carbon cycling. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	4
2547	Bioavailability of dissolved organic matter varies with anthropogenic landcover in the Upper Mississippi River Basin. <i>Water Research</i> , 2023, 229, 119357.	5.3	11

#	ARTICLE	IF	CITATIONS
2548	Reservas de carbono y micromorfología de la materia orgánica en suelos ribereños en tres ecosistemas de alta montaña: volcán Iztaccíhuatl. <i>Madera Bosques</i> , 2022, 28, e2822469.	0.1	0
2549	Drivers and variability of CO ₂ :O ₂ saturation along a gradient from boreal to Arctic lakes. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
2550	Patterns and Drivers of Dissolved Gas Concentrations and Fluxes Along a Low Gradient Stream. <i>Journal of Geophysical Research G: Biogeosciences</i> , 0, , .	1.3	1
2551	A modeling study of hydrographic and flow variability along the river-influenced coastal ocean off central Chile. <i>Ocean Modelling</i> , 2023, 181, 102155.	1.0	2
2552	Hydrodynamic and geochemical controls on soil carbon mineralization upon entry into aquatic systems. <i>Water Research</i> , 2023, 229, 119499.	5.3	2
2553	Fine-scale dynamics of calcite precipitation in a large hardwater lake. <i>Science of the Total Environment</i> , 2023, 864, 160699.	3.9	2
2554	Riverine CO ₂ variations in permafrost catchments of the Yangtze River source region: Hot spots and hot moments. <i>Science of the Total Environment</i> , 2023, 863, 160948.	3.9	2
2555	Greenhouse gas dynamics in tropical montane streams of Puerto Rico and the role of watershed lithology. <i>Biogeochemistry</i> , 0, , .	1.7	0
2556	Ecosystem services provided by small streams: an overview. <i>Hydrobiologia</i> , 2023, 850, 2501-2535.	1.0	15
2557	Effect of river damming on nutrient transport and transformation and its countermeasures. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
2558	Mineralization of autochthonous particulate organic carbon is a fast channel of organic matter turnover in Germany's largest drinking water reservoir. <i>Biogeosciences</i> , 2022, 19, 5343-5355.	1.3	3
2559	Rates and timing of chlorophyll- <i>a</i> increases and related environmental variables in global temperate and cold-temperate lakes. <i>Earth System Science Data</i> , 2022, 14, 5139-5156.	3.7	2
2560	Hydrologic and Landscape Controls on Dissolved Organic Matter Composition Across Western North American Arctic Lakes. <i>Global Biogeochemical Cycles</i> , 2023, 37, .	1.9	5
2561	Steps dominate gas evasion from a mountain headwater stream. <i>Nature Communications</i> , 2022, 13, .	5.8	4
2562	Riparian Microtopography Affects Event-Driven Stream DOC Concentrations and DOM Quality in a Forested Headwater Catchment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
2563	Field Measurements of Methane Emission at Largest Reservoirs in Russia in 2021. The Start of Large-Scale Studies. <i>Water Resources</i> , 2022, 49, 1003-1008.	0.3	0
2564	Nonhomologous Black Carbon Decoupled Char and Soot Sequestration Based on Stable Carbon Isotopes in Tibetan Plateau Lake Sediment. <i>Environmental Science & Technology</i> , 2022, 56, 18069-18078.	4.6	4
2565	Variability in modelled reservoir greenhouse gas emissions: comparison of select US hydropower reservoirs against global estimates. <i>Environmental Research Communications</i> , 2022, 4, 121008.	0.9	1

#	ARTICLE	IF	CITATIONS
2566	Stream-Lake Connectivity Is an Important Control of Fluvial CO ₂ Concentrations and Emissions in Catchments. <i>Earth and Space Science</i> , 2022, 9, .	1.1	0
2568	Environmental and hydrologic controls on sediment and organic carbon export from a subalpine catchment: insights from a time series. <i>Biogeosciences</i> , 2022, 19, 5591-5616.	1.3	4
2569	Temporal-Spatial Variability of Dissolved Carbon in the Tributary Streams of the Lower Yangtze River Basin. <i>Water (Switzerland)</i> , 2022, 14, 4057.	1.2	0
2570	Pulse, Shunt and Storage: Hydrological Contraction Shapes Processing and Export of Particulate Organic Matter in River Networks. <i>Ecosystems</i> , 2023, 26, 873-892.	1.6	6
2571	Particulate Organic Matter Mobilization and Transformation Along a Himalayan River Revealed by ESI-FT-ICR-MS. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	0
2572	Aquatic Carbon Dynamics in a Time of Global Change. <i>Water (Switzerland)</i> , 2022, 14, 3927.	1.2	1
2573	Soil texture and pH affect soil CO ₂ efflux in hardwood floodplain forests of the lower middle Elbe River. <i>European Journal of Soil Science</i> , 2023, 74, .	1.8	0
2574	Carbon Dioxide Concentration and Emissions along a Trophic Gradient in Tropical Karst Lakes. <i>Water (Switzerland)</i> , 2023, 15, 13.	1.2	2
2575	Fine-Scale Assessment of Greenhouse Gases Fluxes from a Boreal Peatland Pond. <i>Water (Switzerland)</i> , 2023, 15, 307.	1.2	1
2576	A 30-year dataset of CO ₂ in flowing freshwaters in the United States. <i>Scientific Data</i> , 2023, 10, .	2.4	2
2577	In-situ activities of anaerobic bacteria and methanogenic archaea in shallow lakes over the Anthropocene: A case study of Lake Wuliangsu. <i>Chemical Geology</i> , 2023, 619, 121312.	1.4	1
2578	Basin-Scale CO ₂ Emissions From the East River in South China: Importance of Small Rivers, Human Impacts and Monsoons. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	1.3	1
2579	Storm pulse responses of fluvial organic carbon to seasonal source supply and transport controls in a midwestern agricultural watershed. <i>Science of the Total Environment</i> , 2023, , 161647.	3.9	0
2580	Contrasts in dissolved, particulate, and sedimentary organic carbon from the Kolyma River to the East Siberian Shelf. <i>Biogeosciences</i> , 2023, 20, 271-294.	1.3	5
2581	Streambed migration frequency drives ecology and biogeochemistry across spatial scales. <i>Wiley Interdisciplinary Reviews: Water</i> , 2023, 10, .	2.8	2
2582	Land use and hydrological factors control concentrations and diffusive fluxes of riverine dissolved carbon dioxide and methane in low-order streams. <i>Water Research</i> , 2023, 231, 119615.	5.3	17
2583	An unusual carbon cycle budget of a small stream in a mountain silicate terrain: the case of the Gravona river (Corsica). <i>Ecohydrology</i> , 0, , .	1.1	0
2584	Optical and molecular diversity of dissolved organic matter in sediments of the Daning and Shennong tributaries of the Three Gorges Reservoir. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0

#	ARTICLE	IF	CITATIONS
2585	Organic Carbon Burial in Constructed Ponds in Southern Sweden. <i>Earth Science, Systems and Society</i> , 0, 3, .	0.0	1
2586	Influence mechanism of groundwater on the carbon cycle in alkaline lakes. <i>Journal of Hydrology</i> , 2023, 617, 129104.	2.3	4
2587	Mapping the net ecosystem exchange of CO ₂ of global terrestrial systems. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2023, 116, 103176.	0.9	0
2588	Relationships between biomass of phytoplankton and submerged macrophytes and physicochemical variables of water in Lake Caohai, China: Implication for mitigation of cyanobacteria blooms by CO ₂ fertilization. <i>Journal of Hydrology</i> , 2023, 617, 129111.	2.3	3
2589	Remote sensing of dissolved CO ₂ concentrations in meso-eutrophic lakes using Sentinel-3 imagery. <i>Remote Sensing of Environment</i> , 2023, 286, 113431.	4.6	6
2590	Carbon dioxide partial pressures and emissions of the Yarlung Tsangpo River on the Tibetan Plateau. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
2591	Watershed <scp>DOC</scp> uptake occurs mostly in lakes in the summer and in rivers in the winter. <i>Limnology and Oceanography</i> , 0, , .	1.6	2
2593	River ecosystem metabolism and carbon biogeochemistry in a changing world. <i>Nature</i> , 2023, 613, 449-459.	13.7	82
2594	Moving bedforms control CO ₂ production and distribution in sandy river sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 0, , .	1.3	0
2595	Spatial predictors and temporal forecast of total organic carbon levels in boreal lakes. <i>Science of the Total Environment</i> , 2023, 870, 161676.	3.9	1
2596	Eco-morphodynamic carbon pumping by the largest rivers in the Neotropics. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
2597	Sources, Composition, and Export of Particulate Organic Matter Across British Estuaries. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	1.3	0
2598	Predominance of positive priming effects induced by algal and terrestrial organic matter input in saline lake sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2023, 349, 126-134.	1.6	1
2599	Catchment-scale carbon fluxes and processes in major rivers of northern Québec, Canada. <i>Science of the Total Environment</i> , 2023, 873, 162308.	3.9	1
2600	Land-use changes in Amazon and Atlantic rainforests modify organic matter and black carbon compositions transported from land to the coastal ocean. <i>Science of the Total Environment</i> , 2023, 878, 162917.	3.9	2
2601	Deep denitrification: Stream and groundwater biogeochemistry reveal contrasted but connected worlds above and below. <i>Science of the Total Environment</i> , 2023, 880, 163178.	3.9	1
2602	Brief research history and modern knowledge of the phenomenon of submarine groundwater discharge on the sea and ocean shelves. <i>Geology and Mineral Resources of World Ocean</i> , 2022, 18, 3-15.	0.0	0
2603	Interactions between dissolved organic matter and the microbial community are modified by microplastics and heat waves. <i>Journal of Hazardous Materials</i> , 2023, 448, 130868.	6.5	13

#	ARTICLE	IF	CITATIONS
2604	Diel, seasonal, and inter-annual variation in carbon dioxide effluxes from lakes and reservoirs. <i>Environmental Research Letters</i> , 2023, 18, 034046.	2.2	6
2605	Meteorological responses of carbon dioxide and methane fluxes in the terrestrial and aquatic ecosystems of a subarctic landscape. <i>Biogeosciences</i> , 2023, 20, 545-572.	1.3	0
2606	Aquatic carbon fluxes in a hemiboreal catchment are predictable from landscape morphology, temperature, and runoff. <i>Limnology and Oceanography Letters</i> , 2023, 8, 313-322.	1.6	3
2607	Karst carbon sink processes and effects: A review. <i>Quaternary International</i> , 2023, 652, 63-73.	0.7	7
2608	Natural and Anthropogenic Lakes. , 2023, , 235-264.		0
2609	The dispersal of fluvially discharged and marine, shelf-produced particulate organic matter in the northern Gulf of Mexico. <i>Biogeosciences</i> , 2023, 20, 663-686.	1.3	1
2610	Dissolved Organic Carbon Dynamics Variability from Ponds Draining Different Landscapes in a Typical Agricultural Watershed. <i>Atmosphere</i> , 2023, 14, 363.	1.0	2
2611	The organic carbon budget of an oligotrophic temperate peatland lake. <i>Limnology and Oceanography</i> , 2023, 68, 544-556.	1.6	1
2612	Selective Exclusion of Aromatic Organic Carbon During Lake Ice Formation. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	5
2614	Changes of In Situ Prokaryotic and Eukaryotic Communities in the Upper Sanya River to the Sea over a Nine-Hour Period. <i>Microorganisms</i> , 2023, 11, 536.	1.6	1
2615	Challenges for the Sustainable Management of the Boreal Forest Under Climate Change. <i>Advances in Global Change Research</i> , 2023, , 773-837.	1.6	10
2616	Dissolved organic matter transformations in a freshwater rivermouth. <i>Biogeochemistry</i> , 2023, 163, 245-263.	1.7	1
2617	Controls on Terrestrial Carbon Fluxes in Simulated Networks of Connected Streams and Lakes. <i>Global Biogeochemical Cycles</i> , 2023, 37, .	1.9	1
2618	Spatial and temporal distribution characteristics of pCO ₂ and CO ₂ evasion in karst rivers under the influence of urbanization. <i>Environmental Science and Pollution Research</i> , 2023, 30, 53920-53937.	2.7	2
2619	Spatial patterns of diffusive greenhouse gas emissions from cascade hydropower reservoirs. <i>Journal of Hydrology</i> , 2023, 619, 129343.	2.3	1
2621	Eddy Covariance Data Reveal That a Small Freshwater Reservoir Emits a Substantial Amount of Carbon Dioxide and Methane. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	1.3	0
2622	How much organic carbon have UK lakes stored in the Holocene? A preliminary estimate. <i>Holocene</i> , 2023, 33, 746-755.	0.9	1
2623	Stream respiration exceeds CO_2 evasion in a low-energy, oligotrophic tropical stream. <i>Limnology and Oceanography</i> , 2023, 68, 1132-1146.	1.6	3

#	ARTICLE	IF	CITATIONS
2624	Monitoring and analysis of CO ₂ and CH ₄ fluxes in the Three Gorges Reservoir. Hupo Kexue/Journal of Lake Sciences, 2023, 35, 423-434.	0.3	1
2625	Autochthonous production sustains food webs in large perialpine lakes, independent of trophic status: Evidence from amino acid stable isotopes. Freshwater Biology, 2023, 68, 870-887.	1.2	1
2626	Characterization of Dissolved Organic Matter from Agricultural and Livestock Effluents: Implications for Water Quality Monitoring. International Journal of Environmental Research and Public Health, 2023, 20, 5121.	1.2	1
2627	Utilization of Low Molecular Weight Carbon Sources by Fungi and Saprolegniales: Implications for Their Ecology and Taxonomy. Microorganisms, 2023, 11, 782.	1.6	1
2628	Integrating terrestrial and aquatic ecosystems to constrain estimates of land-atmosphere carbon exchange. Nature Communications, 2023, 14, .	5.8	13
2629	Determining the biogeochemical transformations of organic matter composition in rivers using molecular signatures. Frontiers in Water, 0, 5, .	1.0	3
2630	Mobilization and Export of Particulate and Dissolved Solids and Organic Carbon From Contrasting Mountainous River Watersheds in California and Oregon. Journal of Geophysical Research G: Biogeosciences, 2023, 128, .	1.3	1
2632	Integrating Beaver Ponds into the Carbon Emission Budget of Boreal Aquatic Networks: A Case Study at the Watershed Scale. Ecosystems, 0, , .	1.6	1
2633	Quantification of diffuse CO ₂ flux emission from the crater lagoon of Vila Franca do Campo Islet (São Miguel, Azores). Bulletin of Volcanology, 2023, 85, .	1.1	0
2634	Carbon Dioxide in Soil, Ground and Surface Waters of the Northern Regions: Role, Sources, Test Methods (a Review). Eurasian Soil Science, 2023, 56, 278-293.	0.5	1
2635	Dissolved Organic Matter Photoreactivity Is Determined by Its Optical Properties, Redox Activity, and Molecular Composition. Environmental Science & Technology, 2023, 57, 6703-6711.	4.6	17
2636	A rationale for higher ratios of CH ₄ to CO ₂ production in warmer anoxic freshwater sediments and soils. Limnology and Oceanography Letters, 0, , .	1.6	0
2637	Differential Controls of Greenhouse Gas (CO ₂ , CH ₄ , and N ₂ O) Concentrations in Natural and Constructed Agricultural Waterbodies on the Northern Great Plains. Journal of Geophysical Research G: Biogeosciences, 2023, 128, .	1.3	5
2638	Bacterial community responses to planktonic and terrestrial substrates in coastal northern Baltic Sea. Frontiers in Marine Science, 0, 10, .	1.2	2
2639	Long-term nitrate-nitrogen reductions in a large flood control reservoir. Journal of Hydrology, 2023, 620, 129533.	2.3	3
2721	Organic Carbon Cycling and Ecosystem Metabolism. , 2024, , 939-997.		0
2725	Organic Carbon Cycling and Transformation. , 2023, , .		1
2736	The Inorganic Carbon Complex. , 2024, , 301-323.		0

#	ARTICLE	IF	CITATIONS
2757	Dynamics of particulate organic carbon mobilization, storage, and export across river sedimentary systems. , 2023, , .		0
2758	Freshwater organic matter: Characteristics and reactivity. , 2023, , .		0
2780	Time-lapse electrical resistivity and induced polarization monitoring of a simulated ecosystemscale coastal flooding experiment. , 2023, , .		0
2825	Role of Rivers in the Carbon Cycle and the Impact of Anthropogenic Activities. , 2024, , 173-196.		0
2834	Carbon Dioxide and Methane Dynamics in Estuaries. , 2011, , 78-122.		0