

Peter A Raymond

List of Publications by Year in descending order

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155
papers

23,994
citations

10986

71
h-index

7745

150
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171
all docs

171
docs citations

171
times ranked

18642
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolution of stream dissolved organic matter composition following glacier retreat in coastal watersheds of southeast Alaska. <i>Biogeochemistry</i> , 2023, 164, 99-116.	3.5	12
2	Regional trends and drivers of the global methane budget. <i>Global Change Biology</i> , 2022, 28, 182-200.	9.5	56
3	An intense precipitation event causes a temperate forested drainage network to shift from N_2O source to sink. <i>Limnology and Oceanography</i> , 2022, 67, .	3.1	5
4	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.	7.1	48
5	Global Controls on DOC Reaction Versus Export in Watersheds: A Dam-Whaler Number Analysis. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	11
6	State of science in carbon budget assessments for temperate forests and grasslands. , 2022, , 237-270.		0
7	Contributions of Fe(III) to UV-Vis absorbance in river water: a case study on the Connecticut River and argument for the systematic tandem measurement of Fe(III) and CDOM. <i>Biogeochemistry</i> , 2022, 160, 17-33.	3.5	3
8	Source Switching Maintains Dissolved Organic Matter Chemostasis Across Discharge Levels in a Large Temperate River Network. <i>Ecosystems</i> , 2021, 24, 227-247.	3.4	30
9	Empirical estimates of regional carbon budgets imply reduced global soil heterotrophic respiration. <i>National Science Review</i> , 2021, 8, nwaa145.	9.5	70
10	Groundwater as a limited carbon dioxide source in a large river (the Yangtze River). <i>Science of the Total Environment</i> , 2021, 760, 143336.	8.0	8
11	Export of photolabile and photoprimeable dissolved organic carbon from the Connecticut River. <i>Aquatic Sciences</i> , 2021, 83, 1.	1.5	4
12	Half of global methane emissions come from highly variable aquatic ecosystem sources. <i>Nature Geoscience</i> , 2021, 14, 225-230.	12.9	388
13	Pan-Arctic Riverine Dissolved Organic Matter: Synchronous Molecular Stability, Shifting Sources and Subsidies. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006871.	4.9	31
14	River network travel time is correlated with dissolved organic matter composition in rivers of the contiguous United States. <i>Hydrological Processes</i> , 2021, 35, e14124.	2.6	11
15	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.	3.9	14
16	Thank You to Our 2020 Reviewers. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006998.	4.9	0
17	Global riverine nitrous oxide emissions: The role of small streams and large rivers. <i>Science of the Total Environment</i> , 2021, 776, 145148.	8.0	45
18	Does Photomineralization of Dissolved Organics Matter in Temperate Rivers?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006402.	3.0	11

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19	Rivers as the largest source of mercury to coastal oceans worldwide. <i>Nature Geoscience</i> , 2021, 14, 672-677.	12.9	107
20	Loads and ages of carbon from the five largest rivers in South Korea under Asian monsoon climates. <i>Journal of Hydrology</i> , 2021, 599, 126363.	5.4	6
21	Distinct concentration–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.	3.1	10
22	Evaluating Streamwater Dissolved Organic Carbon Dynamics in Context of Variable Flowpath Contributions With a Tracer-Based Mixing Model. <i>Water Resources Research</i> , 2021, 57, e2021WR030529.	4.2	8
23	Lake Morphometry and River Network Controls on Evasion of Terrestrially Sourced Headwater CO_2 . <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	11
24	Geoscientists, Who Have Documented the Rapid and Accelerating Climate Crisis for Decades, Are Now Pleading for Immediate Collective Action. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096644.	4.0	3
25	Magnitude and Uncertainty of Nitrous Oxide Emissions From North America Based on Bottom-Up and Top-Down Approaches: Informing Future Research and National Inventories. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095264.	4.0	7
26	Substantial accumulation of mercury in the deepest parts of the ocean and implications for the environmental mercury cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
27	Spatiotemporal Variability and Sources of DIC in Permafrost Catchments of the Yangtze River Source Region: Insights From Stable Carbon Isotope and Water Chemistry. <i>Water Resources Research</i> , 2020, 56, e2019WR025343.	4.2	20
28	A comprehensive quantification of global nitrous oxide sources and sinks. <i>Nature</i> , 2020, 586, 248-256.	27.8	814
29	An Abrupt Aging of Dissolved Organic Carbon in Large Arctic Rivers. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088823.	4.0	33
30	Assessing the Potential for Mobilization of Old Soil Carbon After Permafrost Thaw: A Synthesis of ^{14}C Measurements From the Northern Permafrost Region. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006672.	4.9	36
31	Evaluating CO_2 calculation error from organic alkalinity and pH measurement error in low ionic strength freshwaters. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 606-622.	2.0	29
32	Thank You to Our 2019 Reviewers. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006628.	4.9	0
33	Significant methane ebullition from alpine permafrost rivers on the East Qinghai–Tibet Plateau. <i>Nature Geoscience</i> , 2020, 13, 349-354.	12.9	85
34	Estimating nitrogen and phosphorus concentrations in streams and rivers, within a machine learning framework. <i>Scientific Data</i> , 2020, 7, 161.	5.3	64
35	Warming and monsoonal climate lead to large export of millennial-aged carbon from permafrost catchments of the Qinghai–Tibet Plateau. <i>Environmental Research Letters</i> , 2020, 15, 074012.	5.2	21
36	The Global Methane Budget 2000–2017. <i>Earth System Science Data</i> , 2020, 12, 1561-1623.	9.9	1,199

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37	Deposition of Organic and Black Carbon: Direct Measurements at Three Remote Stations in the Himalayas and Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9702-9715.	3.3	29
38	Land Use, Not Stream Order, Controls N ₂ O Concentration and Flux in the Upper Mara River Basin, Kenya. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3491-3506.	3.0	35
39	Natural Lakes Are a Minor Global Source of N ₂ O to the Atmosphere. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1564-1581.	4.9	40
40	Radiocarbon age of different photoreactive fractions of freshwater dissolved organic matter. <i>Organic Geochemistry</i> , 2019, 135, 11-15.	1.8	5
41	Immobilization of relic anthropogenic dissolved organic matter from alpine rivers in the Himalayan-Tibetan Plateau in winter. <i>Water Research</i> , 2019, 160, 97-106.	11.3	36
42	Rivers across the Siberian Arctic unearth the patterns of carbon release from thawing permafrost. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10280-10285.	7.1	118
43	Molecular Hysteresis: Hydrologically Driven Changes in Riverine Dissolved Organic Matter Chemistry During a Storm Event. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 759-774.	3.0	55
44	Enhancement of primary production during drought in a temperate watershed is greater in larger rivers than headwater streams. <i>Limnology and Oceanography</i> , 2019, 64, 1458-1472.	3.1	34
45	Multidecadal climate-induced changes in Arctic tundra lake geochemistry and geomorphology. <i>Limnology and Oceanography</i> , 2019, 64, S179.	3.1	12
46	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.	3.0	33
47	Association Between Sporadic Legionellosis and River Systems in Connecticut. <i>Journal of Infectious Diseases</i> , 2018, 217, 179-187.	4.0	25
48	Riverine Export of Aged Carbon Driven by Flow Path Depth and Residence Time. <i>Environmental Science & Technology</i> , 2018, 52, 1028-1035.	10.0	84
49	Anthropogenic influences on riverine fluxes of dissolved inorganic carbon to the oceans. <i>Limnology and Oceanography Letters</i> , 2018, 3, 143-155.	3.9	75
50	High Frequency Data Exposes Nonlinear Seasonal Controls on Dissolved Organic Matter in a Large Watershed. <i>Environmental Science & Technology</i> , 2018, 52, 5644-5652.	10.0	15
51	Terrestrial carbon inputs to inland waters: A current synthesis of estimates and uncertainty. <i>Limnology and Oceanography Letters</i> , 2018, 3, 132-142.	3.9	368
52	Hydrologic controls on <i>p</i> CO ₂ and CO ₂ efflux in US streams and rivers. <i>Limnology and Oceanography Letters</i> , 2018, 3, 428-435.	3.9	34
53	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.	4.0	141
54	River network saturation concept: factors influencing the balance of biogeochemical supply and demand of river networks. <i>Biogeochemistry</i> , 2018, 141, 503-521.	3.5	96

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55	Reply to Rucinski et al. <i>Journal of Infectious Diseases</i> , 2018, 218, 670-671.	4.0	0
56	Fossil Fuel Combustion Emission From South Asia Influences Precipitation Dissolved Organic Carbon Reaching the Remote Tibetan Plateau: Isotopic and Molecular Evidence. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6248-6258.	3.3	34
57	The impact of flooding on aquatic ecosystem services. <i>Biogeochemistry</i> , 2018, 141, 439-461.	3.5	142
58	Lateral Marsh Edge Erosion as a Source of Sediments for Vertical Marsh Accretion. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2444-2465.	3.0	104
59	Generalized Growth of Estuarine, Household and Clinical Isolates of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 305.	3.5	10
60	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.	3.0	41
61	The experimental flow to the Colorado River delta: Effects on carbon mobilization in a dry watercourse. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 607-627.	3.0	9
62	Temperature versus hydrologic controls of chemical weathering fluxes from United States forests. <i>Chemical Geology</i> , 2017, 458, 1-13.	3.3	33
63	Gas transfer velocities in small forested ponds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1011-1021.	3.0	22
64	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.	3.0	13
65	Greenhouse gases emissions in rivers of the Tibetan Plateau. <i>Scientific Reports</i> , 2017, 7, 16573.	3.3	50
66	Organic carbon burial in global lakes and reservoirs. <i>Nature Communications</i> , 2017, 8, 1694.	12.8	307
67	Aged dissolved organic carbon exported from rivers of the Tibetan Plateau. <i>PLoS ONE</i> , 2017, 12, e0178166.	2.5	29
68	Substantial overnight reaeration by convective cooling discovered in pond ecosystems. <i>Geophysical Research Letters</i> , 2016, 43, 8044-8051.	4.0	19
69	Managing uncertainty in soil carbon feedbacks to climate change. <i>Nature Climate Change</i> , 2016, 6, 751-758.	18.8	491
70	Particulate organic carbon and nitrogen export from major Arctic rivers. <i>Global Biogeochemical Cycles</i> , 2016, 30, 629-643.	4.9	157
71	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	5.2	199
72	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.	1.3	26

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73	Large contribution to inland water CO ₂ and CH ₄ emissions from very small ponds. <i>Nature Geoscience</i> , 2016, 9, 222-226.	12.9	565
74	Hydrological and biogeochemical controls on watershed dissolved organic matter transport: pulse-shunt concept. <i>Ecology</i> , 2016, 97, 5-16.	3.2	401
75	Evidence for the assimilation of ancient glacier organic carbon in a proglacial stream food web. <i>Limnology and Oceanography</i> , 2015, 60, 1118-1128.	3.1	79
76	Consistent results in stream hydrology across multiple watersheds: A reply to Chew and Goh. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 812-817.	3.0	3
77	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.	3.3	34
78	New model for capturing the variations of fertilizer-induced emission factors of N ₂ O. <i>Global Biogeochemical Cycles</i> , 2015, 29, 885-897.	4.9	42
79	Increased mobilization of aged carbon to rivers by human disturbance. <i>Nature Geoscience</i> , 2015, 8, 112-116.	12.9	159
80	Watershed hydrology and dissolved organic matter export across time scales: minute to millennium. <i>Freshwater Science</i> , 2015, 34, 392-398.	1.8	18
81	Spatial Variation in the Origin of Dissolved Organic Carbon in Snow on the Juneau Icefield, Southeast Alaska. <i>Environmental Science & Technology</i> , 2015, 49, 11492-11499.	10.0	34
82	Riverine DOM. , 2015, , 509-533.		95
83	Current systematic carbon-cycle observations and the need for implementing a policy-relevant carbon observing system. <i>Biogeosciences</i> , 2014, 11, 3547-3602.	3.3	189
84	A full greenhouse gases budget of Africa: synthesis, uncertainties, and vulnerabilities. <i>Biogeosciences</i> , 2014, 11, 381-407.	3.3	162
85	Using dissolved organic matter age and composition to detect permafrost thaw in boreal watersheds of interior Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 2155-2170.	3.0	35
86	Dissolved organic carbon biolability decreases along with its modernization in fluvial networks in an ancient landscape. <i>Ecology</i> , 2014, 95, 2622-2632.	3.2	53
87	Seasonal variability of organic matter composition in an Alaskan glacier outflow: insights into glacier carbon sources. <i>Environmental Research Letters</i> , 2014, 9, 055005.	5.2	41
88	Animating the Carbon Cycle. <i>Ecosystems</i> , 2014, 17, 344-359.	3.4	168
89	Source and biolability of ancient dissolved organic matter in glacier and lake ecosystems on the Tibetan Plateau. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 64-74.	3.9	186
90	A New High-Resolution N ₂ O Emission Inventory for China in 2008. <i>Environmental Science & Technology</i> , 2014, 48, 8538-8547.	10.0	82

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91	Watershed Glacier Coverage Influences Dissolved Organic Matter Biogeochemistry in Coastal Watersheds of Southeast Alaska. <i>Ecosystems</i> , 2014, 17, 1014-1025.	3.4	27
92	Influences of glacier melt and permafrost thaw on the age of dissolved organic carbon in the Yukon River basin. <i>Global Biogeochemical Cycles</i> , 2014, 28, 525-537.	4.9	70
93	Influence of watershed-climate interactions on stream temperature, sediment yield, and metabolism along a land use intensity gradient in Indonesian Borneo. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1110-1128.	3.0	51
94	Fluxes of water, sediments, and biogeochemical compounds in salt marshes. <i>Ecological Processes</i> , 2013, 2, .	3.9	82
95	Global carbon dioxide emissions from inland waters. <i>Nature</i> , 2013, 503, 355-359.	27.8	1,670
96	The changing carbon cycle of the coastal ocean. <i>Nature</i> , 2013, 504, 61-70.	27.8	1,146
97	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.	3.4	100
98	The impacts of climate change on ecosystem structure and function. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 474-482.	4.0	433
99	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.	3.3	47
100	Estimates of New and Total Productivity in Central Long Island Sound from In Situ Measurements of Nitrate and Dissolved Oxygen. <i>Estuaries and Coasts</i> , 2013, 36, 74-97.	2.2	16
101	Anthropogenic perturbation of the carbon fluxes from land to ocean. <i>Nature Geoscience</i> , 2013, 6, 597-607.	12.9	937
102	Enhanced transfer of terrestrially derived carbon to the atmosphere in a flooding event. <i>Geophysical Research Letters</i> , 2013, 40, 116-122.	4.0	101
103	The carbon budget of South Asia. <i>Biogeosciences</i> , 2013, 10, 513-527.	3.3	94
104	Fluxes, processing, and fate of riverine organic and inorganic carbon in the Arctic Ocean. , 2013, , 530-553.		1
105	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
106	Anthropogenic aerosols as a source of ancient dissolved organic matter in glaciers. <i>Nature Geoscience</i> , 2012, 5, 198-201.	12.9	199
107	Dissolved organic matter sources in large Arctic rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 217-237.	3.9	207
108	A land-to-ocean perspective on the magnitude, source and implication of DIC flux from major Arctic rivers to the Arctic Ocean. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	121

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109	Simulating streamflow and dissolved organic matter export from a forested watershed. <i>Water Resources Research</i> , 2012, 48, .	4.2	36
110	Landscape-level controls on dissolved carbon flux from diverse catchments of the circumboreal. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	82
111	Relationships between $\delta^{14}\text{C}$ and the molecular quality of dissolved organic carbon in rivers draining to the coast from the conterminous United States. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	64
112	Dissolved organic matter export from a forested watershed during Hurricane Irene. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	110
113	The impact of fertilization and hydrology on nitrate fluxes from Mississippi watersheds. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 212-218.	6.3	52
114	The European land and inland water CO_2 , CH_4 and N_2O balance between 2001 and 2005. <i>Biogeosciences</i> , 2012, 9, 3357-3380.	3.3	53
115	Seasonal and Annual Fluxes of Nutrients and Organic Matter from Large Rivers to the Arctic Ocean and Surrounding Seas. <i>Estuaries and Coasts</i> , 2012, 35, 369-382.	2.2	528
116	Riverine coupling of biogeochemical cycles between land, oceans, and atmosphere. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 53-60.	4.0	927
117	Significant efflux of carbon dioxide from streams and rivers in the United States. <i>Nature Geoscience</i> , 2011, 4, 839-842.	12.9	603
118	Twelve testable hypotheses on the geobiology of weathering. <i>Geobiology</i> , 2011, 9, 140-165.	2.4	133
119	Multiple-source heterotrophy fueled by aged organic carbon in an urbanized estuary. <i>Marine Chemistry</i> , 2011, 124, 14-22.	2.3	28
120	Event controlled DOC export from forested watersheds. <i>Biogeochemistry</i> , 2010, 100, 197-209.	3.5	376
121	Millennial-aged organic carbon subsidies to a modern river food web. <i>Ecology</i> , 2010, 91, 2385-2393.	3.2	114
122	Land-use controls on sources and processing of nitrate in small watersheds: insights from dual isotopic analysis. <i>Ecological Applications</i> , 2010, 20, 1961-1978.	3.8	82
123	Inputs of Fossil Carbon from Wastewater Treatment Plants to U.S. Rivers and Oceans. <i>Environmental Science & Technology</i> , 2009, 43, 5647-5651.	10.0	125
124	Circumpolar synchrony in big river bacterioplankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21208-21212.	7.1	136
125	Long term changes of chemical weathering products in rivers heavily impacted from acid mine drainage: Insights on the impact of coal mining on regional and global carbon and sulfur budgets. <i>Earth and Planetary Science Letters</i> , 2009, 284, 50-56.	4.4	91
126	The contribution of agricultural and urban activities to inorganic carbon fluxes within temperate watersheds. <i>Chemical Geology</i> , 2009, 266, 318-327.	3.3	143

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127	Dual isotope analyses indicate efficient processing of atmospheric nitrate by forested watersheds in the northeastern U.S.. <i>Biogeochemistry</i> , 2008, 90, 15-27.	3.5	62
128	Anthropogenically enhanced fluxes of water and carbon from the Mississippi River. <i>Nature</i> , 2008, 451, 449-452.	27.8	476
129	Development of a Pan-Arctic Database for River Chemistry. <i>Eos</i> , 2008, 89, 217-218.	0.1	72
130	Flow-weighted values of runoff tracers (¹⁸ O, DOC, Ba, alkalinity) from the six largest Arctic rivers. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	206
131	Lability of DOC transported by Alaskan rivers to the Arctic Ocean. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	290
132	Quantity, ¹⁴ C age and lability of desorbed soil organic carbon in fresh water and seawater. <i>Organic Geochemistry</i> , 2007, 38, 1547-1557.	1.8	32
133	Linking lithology and land use to sources of dissolved and particulate organic matter in headwaters of a temperate, passive-margin river system. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4233-4250.	3.9	61
134	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.	4.9	68
135	Environmental turbulent mixing controls on air-water gas exchange in marine and aquatic systems. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	253
136	Carbon export and cycling by the Yukon, Tanana, and Porcupine rivers, Alaska, 2001-2005. <i>Water Resources Research</i> , 2007, 43, .	4.2	197
137	Flux and age of dissolved organic carbon exported to the Arctic Ocean: A carbon isotopic study of the five largest arctic rivers. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	4.9	413
138	Air-Water Flux Reconciliation Between the Atmospheric CO ₂ Profile and Mass Balance Techniques. <i>Environmental Science and Engineering</i> , 2007, , 181-192.	0.2	7
139	Contribution of agricultural liming to riverine bicarbonate export and CO ₂ sequestration in the Ohio River basin. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	4.9	108
140	The age of the Amazon's breath. <i>Nature</i> , 2005, 436, 469-470.	27.8	11
141	The composition and transport of organic carbon in rainfall: Insights from the natural (¹³ C and ¹⁴ C) isotopes of carbon. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	64
142	A decrease in discharge-normalized DOC export by the Yukon River during summer through autumn. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	334
143	Linkages among runoff, dissolved organic carbon, and the stable oxygen isotope composition of seawater and other water mass indicators in the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	122
144	Controls on the variability of organic matter and dissolved inorganic carbon ages in northeast US rivers. <i>Marine Chemistry</i> , 2004, 92, 353-366.	2.3	180

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145	Variation in surface turbulence and the gas transfer velocity over a tidal cycle in a macro-tidal estuary. <i>Estuaries and Coasts</i> , 2003, 26, 1401-1415.	1.7	141
146	Ecosystem Modulation of Dissolved Carbon Age in a Temperate Marsh-Dominated Estuary. <i>Ecosystems</i> , 2003, 6, 694-705.	3.4	83
147	Increase in the Export of Alkalinity from North America's Largest River. <i>Science</i> , 2003, 301, 88-91.	12.6	310
148	Use of ¹⁴ C and ¹³ C natural abundances for evaluating riverine, estuarine, and coastal DOC and POC sources and cycling: a review and synthesis. <i>Organic Geochemistry</i> , 2001, 32, 469-485.	1.8	381
149	Gas Exchange in Rivers and Estuaries: Choosing a Gas Transfer Velocity. <i>Estuaries and Coasts</i> , 2001, 24, 312.	1.7	479
150	Riverine export of aged terrestrial organic matter to the North Atlantic Ocean. <i>Nature</i> , 2001, 409, 497-500.	27.8	523
151	DOC cycling in a temperate estuary: A mass balance approach using natural ¹⁴ C and ¹³ C isotopes. <i>Limnology and Oceanography</i> , 2001, 46, 655-667.	3.1	164
152	Atmospheric CO ₂ evasion, dissolved inorganic carbon production, and net heterotrophy in the York River estuary. <i>Limnology and Oceanography</i> , 2000, 45, 1707-1717.	3.1	241
153	Bacterial consumption of DOC during transport through a temperate estuary. <i>Aquatic Microbial Ecology</i> , 2000, 22, 1-12.	1.8	181
154	ZEBRA MUSSEL INVASION IN A LARGE, TURBID RIVER: PHYTOPLANKTON RESPONSE TO INCREASED GRAZING. <i>Ecology</i> , 1997, 78, 588-602.	3.2	322
155	Carbon Dioxide Concentration and Atmospheric Flux in the Hudson River. <i>Estuaries and Coasts</i> , 1997, 20, 381.	1.7	240