Stephen Hamilton

List of Publications by Year
in descending order

181 papers	16,970 citations	15504 65 h-index	16183 124 g-index
187 all docs	187 docs citations	187 times ranked	15259 citing authors

#	Article	IF	Citations
1	Control of Nitrogen Export from Watersheds by Headwater Streams. Science, 2001, 292, 86-90.	12.6	1,209
2	Stream denitrification across biomes and its response to anthropogenic nitrate loading. Nature, 2008, 452, 202-205.	27.8	1,097
3	Have we overemphasized the role of denitrification in aquatic ecosystems? A review of nitrate removal pathways. Frontiers in Ecology and the Environment, 2007, 5, 89-96.	4.0	906
4	Nitrous oxide emission from denitrification in stream and river networks. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 214-219.	7.1	517
5	Inter-biome comparison of factors controlling stream metabolism. Freshwater Biology, 2001, 46, 1503-1517.	2.4	360
6	Cellulosic biofuel contributions to a sustainable energy future: Choices and outcomes. Science, 2017, 356, .	12.6	314
7	Flow variability in dryland rivers: boom, bust and the bits in between. River Research and Applications, 2006, 22, 179-186.	1.7	268
8	Interâ€regional comparison of landâ€use effects on stream metabolism. Freshwater Biology, 2010, 55, 1874-1890.	2.4	267
9	Factors affecting ammonium uptake in streams - an inter-biome perspective. Freshwater Biology, 2003, 48, 1329-1352.	2.4	233
10	Energy sources for aquatic animals in the Orinoco River floodplain: evidence from stable isotopes. Oecologia, 1992, 89, 324-330.	2.0	232
11	Inundation patterns in the Pantanal wetland of South America determined from passive microwave remote sensing. Archiv FÃ¼r Hydrobiologie, 1996, 137, 1-23.	1.1	227
12	N uptake as a function of concentration in streams. Journal of the North American Benthological Society, 2002, 21, 206-220.	3.1	222
13	Development of a global inundation map at high spatial resolution from topographic downscaling of coarse-scale remote sensing data. Remote Sensing of Environment, 2015, 158, 348-361.	11.0	213
14	Regionalization of methane emissions in the Amazon Basin with microwave remote sensing. Global Change Biology, 2004, 10, 530-544.	9.5	212
15	A Cross-System Comparison of Bacterial and Fungal Biomass in Detritus Pools of Headwater Streams. Microbial Ecology, 2002, 43, 55-66.	2.8	193
16	Comparison of inundation patterns among major South American floodplains. Journal of Geophysical Research, 2002, 107, LBA 5-1.	3.3	190
17	A diverse suite of pharmaceuticals contaminates stream and riparian food webs. Nature Communications, 2018, 9, 4491.	12.8	189
18	Can uptake length in streams be determined by nutrient addition experiments? Results from an interbiome comparison study. Journal of the North American Benthological Society, 2002, 21, 544-560.	3.1	186

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19	Carbon debt of Conservation Reserve Program (CRP) grasslands converted to bioenergy production. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13864-13869.	7.1	184
20	Farming for Ecosystem Services: An Ecological Approach to Production Agriculture. BioScience, 2014, 64, 404-415.	4.9	184
21	Nitrate removal in stream ecosystems measured by 15N addition experiments: Denitrification. Limnology and Oceanography, 2009, 54, 666-680.	3.1	181
22	Foodweb analysis of the Orinoco floodplain based on production estimates and stable isotope data. Journal of the North American Benthological Society, 2001, 20, 241-254.	3.1	175
23	Biogeochemical time lags may delay responses of streams to ecological restoration. Freshwater Biology, 2012, 57, 43-57.	2.4	174
24	Nitrate removal in stream ecosystems measured by 15N addition experiments: Total uptake. Limnology and Oceanography, 2009, 54, 653-665.	3.1	165
25	Stream denitrification and total nitrate uptake rates measured using a field ¹⁵N tracer addition approach. Limnology and Oceanography, 2004, 49, 809-820.	3.1	164
26	Beyond carbon and nitrogen: how the microbial energy economy couples elemental cycles in diverse ecosystems. Frontiers in Ecology and the Environment, 2011, 9, 44-52.	4.0	162
27	Ecological Determinism on the Orinoco Floodplain. BioScience, 2000, 50, 681.	4.9	159
28	Remote sensing of floodplain geomorphology as a surrogate for biodiversity in a tropical river system (Madre de Dios, Peru). Geomorphology, 2007, 89, 23-38.	2.6	158
29	Bivalve diets in a midwestern U.S. stream: A stable isotope enrichment study. Limnology and Oceanography, 2001, 46, 514-522.	3.1	157
30	A Global Assessment of Inland Wetland Conservation Status. BioScience, 2017, 67, 523-533.	4.9	152
31	Stable carbon and nitrogen isotopes in algae and detritus from the Orinoco River floodplain, Venezuela. Geochimica Et Cosmochimica Acta, 1992, 56, 4237-4246.	3.9	149
32	Seasonal inundation patterns in two large savanna floodplains of South America: the Llanos de Moxos(Bolivia) and the Llanos del Orinoco(Venezuela and Colombia). Hydrological Processes, 2004, 18, 2103-2116.	2.6	148
33	Long-term nitrate loss along an agricultural intensity gradient in the Upper Midwest USA. Agriculture, Ecosystems and Environment, 2012, 149, 10-19.	5.3	137
34	Ecological management of intensively cropped agro-ecosystems improves soil quality with sustained productivity. Agriculture, Ecosystems and Environment, 2011, 140, 419-429.	5.3	136
35	An anoxic event and other biogeochemical effects of the Pantanal wetland on the Paraguay River. Limnology and Oceanography, 1997, 42, 257-272.	3.1	132
36	The production and emission of nitrous oxide from headwater streams in the Midwestern United States. Global Change Biology, 2008, 14, 878-894.	9.5	132

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37	Passive microwave observations of inundation area and the area/stage relation in the Amazon River floodplain. International Journal of Remote Sensing, 1998, 19, 3055-3074.	2.9	131
38	The biogeochemistry of bioenergy landscapes: carbon, nitrogen, and water considerations. , 2011, 21, 1055-1067.		131
39	Nitrogen availability increases the toxin quota of a harmful cyanobacterium, Microcystis aeruginosa. Water Research, 2014, 54, 188-198.	11.3	130
40	Dominance of the noxious cyanobacterium <i>Microcystis aeruginosa</i> in lowâ€nutrient lakes is associated with exotic zebra mussels. Limnology and Oceanography, 2004, 49, 482-487.	3.1	129
41	Reducing greenhouse gas emissions of Amazon hydropower with strategic dam planning. Nature Communications, 2019, 10, 4281.	12.8	126
42	Causes of seasonality in the chemistry of a lake on the Orinoco River floodplain, Venezuela1. Limnology and Oceanography, 1987, 32, 1277-1290.	3.1	122
43	Determination of inundation area in the Amazon River floodplain using the SMMR 37 GHz polarization difference. Remote Sensing of Environment, 1994, 48, 70-76.	11.0	118
44	Separation of algae from detritus for stable isotope or ecological stoichiometry studies using density fractionation in colloidal silica. Limnology and Oceanography: Methods, 2005, 3, 149-157.	2.0	118
45	Evidence for carbon sequestration by agricultural liming. Global Biogeochemical Cycles, 2007, 21, n/a-n/a.	4.9	115
46	The â€˜wet-dryâ€™ in the wet-dry tropics drives river ecosystem structure and processes in northern Australia. Freshwater Biology, 2011, 56, 2169-2195.	2.4	115
47	Fish mediate high food web connectivity in the lower reaches of a tropical floodplain river. Oecologia, 2012, 168, 829-838.	2.0	113
48	Carbon and nitrogen stoichiometry and nitrogen cycling rates in streams. Oecologia, 2004, 140, 458-467.	2.0	108
49	Freshwater conservation planning in data-poor areas: An example from a remote Amazonian basin (Madre de Dios River, Peru and Bolivia). Biological Conservation, 2007, 135, 484-501.	4.1	104
50	Thinking outside the channel: modeling nitrogen cycling in networked river ecosystems. Frontiers in Ecology and the Environment, 2011, 9, 229-238.	4.0	104
51	NO3 â^'-Driven SO4 2â^' Production in Freshwater Ecosystems: Implications for N and S Cycling. Ecosystems, 2008, 11, 908-922.	3.4	102
52	LAGOS-NE: a multi-scaled geospatial and temporal database of lake ecological context and water quality for thousands of US lakes. GigaScience, 2017, 6, 1-22.	6.4	102
53	Inundation area and morphometry of lakes on the Amazon River floodplain, Brazil. Archiv FÃ¼r Hydrobiologie, 1992, 123, 385-400.	1.1	94
54	Methane emissions from the Orinoco River floodplain, Venezuela. Biogeochemistry, 2000, 51, 113-140.	3.5	93

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55	Floodplain inundation and vegetation dynamics in the Alligator Rivers region (Kakadu) of northern Australia assessed using optical and radar remote sensing. Remote Sensing of Environment, 2014, 147, 43-55.	11.0	93
56	Persistence of aquatic refugia between flow pulses in a dryland river system(Cooper Creek, Australia). Limnology and Oceanography, 2005, 50, 743-754.	3.1	92
57	Rapid Removal of Nitrate and Sulfate in Freshwater Wetland Sediments. Journal of Environmental Quality, 2005, 34, 2062-2071.	2.0	88
58	Widespread diminishing anthropogenic effects on calcium in freshwaters. Scientific Reports, 2019, 9, 10450.	3.3	84
59	Invasive zebra mussels (<i>Dreissena polymorpha</i>) increase cyanobacterial toxin concentrations in low-nutrient lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 448-455.	1.4	81
60	Complex interactions between the zebra mussel, <i>Dreissena polymorpha</i>, and the harmful phytoplankter, <i>Microcystis aeruginosa</i>. Limnology and Oceanography, 2005, 50, 896-904.	3.1	78
61	Does flood rhythm drive ecosystem responses in tropical riverscapes?. Ecology, 2015, 96, 684-692.	3.2	77
62	Potential effects of a major navigation project (Paraguay-ParanÃ¡ HidrovÃa) on inundation in the Pantanal floodplains. River Research and Applications, 1999, 15, 289-299.	0.8	76
63	Nitrogen uptake and transformation in a midwestern U.S. stream: A stable isotope enrichment study. Biogeochemistry, 2001, 54, 297-340.	3.5	76
64	Anthropogenic influences on riverine fluxes of dissolved inorganic carbon to the oceans. Limnology and Oceanography Letters, 2018, 3, 143-155.	3.9	75
65	Primary Production in Tropical Streams and Rivers. , 2008, , 23-42.		73
66	Nitrogen fertilization challenges the climate benefit of cellulosic biofuels. Environmental Research Letters, 2016, 11, 064007.	5.2	69
67	Basin morphology in relation to chemical and ecological characteristics of lakes on the Orinoco River floodplain, Venezuela. Archiv FÃ¼r Hydrobiologie, 1990, 119, 393-425.	1.1	69
68	Assimilatory uptake rather than nitrification and denitrification determines nitrogen removal patterns in streams of varying land use. Limnology and Oceanography, 2008, 53, 2558-2572.	3.1	66
69	Small-scale spatial variation of inundation dynamics in a floodplain of the Pantanal (Brazil). Hydrobiologia, 2010, 638, 223-233.	2.0	65
70	Biogeochemical implications of climate change for tropical rivers and floodplains. Hydrobiologia, 2010, 657, 19-35.	2.0	64
71	An evaluation of carbon indicators of soil health in long-term agricultural experiments. Soil Biology and Biochemistry, 2022, 172, 108708.	8.8	63
72	Sources and transport of carbon and nitrogen in the River Sava watershed, a major tributary of the River Danube. Applied Geochemistry, 2008, 23, 3685-3698.	3.0	61

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73	Forecasting the expansion of the invasive golden mussel Limnoperna fortunei in Brazilian and North American rivers based on its occurrence in the Paraguay River and Pantanal wetland of Brazil. Aquatic Invasions, 2010, 5, 59-73.	1.6	61
74	Partitioning assimilatory nitrogen uptake in streams: an analysis of stable isotope tracer additions across continents. Ecological Monographs, 2018, 88, 120-138.	5.4	60
75	Reducing adverse impacts of Amazon hydropower expansion. Science, 2022, 375, 753-760.	12.6	60
76	Cross-stream comparison of substrate-specific denitrification potential. Biogeochemistry, 2011, 104, 381-392.	3.5	59
77	Assessing the seasonal dynamics of inundation, turbidity, and aquatic vegetation in the Australian wetâ€“dry tropics using optical remote sensing. Ecohydrology, 2013, 6, 312-323.	2.4	59
78	Organic matter loading by hippopotami causes subsidy overload resulting in downstream hypoxia and fish kills. Nature Communications, 2018, 9, 1951.	12.8	59
79	Isotopic evidence for episodic nitrogen fixation in switchgrass (Panicum virgatum L.). Soil Biology and Biochemistry, 2019, 129, 90-98.	8.8	59
80	Biogenic calciteâ€“phosphorus precipitation as a negative feedback to lake eutrophication. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 343-350.	1.4	58
81	Historical reconstruction of floodplain inundation in the Pantanal (Brazil) using neural networks. Journal of Hydrology, 2011, 399, 376-384.	5.4	58
82	Comparative water use by maize, perennial crops, restored prairie, and poplar trees in the US Midwest. Environmental Research Letters, 2015, 10, 064015.	5.2	58
83	Temporal and spatial variation in ecosystem metabolism and food web carbon transfer in a wetâ€•dry tropical river. Freshwater Biology, 2012, 57, 435-450.	2.4	57
84	Major element chemistry, weathering and element yields for the Caura River drainage, Venezuela. Biogeochemistry, 1987, 4, 159-181.	3.5	56
85	Effects of a diversion hydropower facility on the hydrological regime of the Correntes River, a tributary to the Pantanal floodplain, Brazil. Journal of Hydrology, 2015, 531, 810-820.	5.4	56
86	Measurement of the stable isotope ratio of dissolved N₂ in ¹⁵N tracer experiments. Limnology and Oceanography: Methods, 2007, 5, 233-240.	2.0	54
87	Evapotranspiration of annual and perennial biofuel crops in a variable climate. GCB Bioenergy, 2015, 7, 1344-1356.	5.6	54
88	Abiotic factors controlling the establishment and abundance of the invasive golden mussel Limnoperna fortunei. Biological Invasions, 2011, 13, 717-729.	2.4	53
89	Long-Term Ecological Research in a Human-Dominated World. BioScience, 2012, 62, 342-353.	4.9	53
90	Zooplankton abundance and evidence for its reduction by macrophyte mats in two Orinoco floodplain lakes. Journal of Plankton Research, 1990, 12, 345-363.	1.8	51

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91	Australia's tropical river systems: current scientific understanding and critical knowledge gaps for sustainable management. Marine and Freshwater Research, 2005, 56, 243.	1.3	51
92	Empirical Evidence for the Potential Climate Benefits of Decarbonizing Light Vehicle Transport in the U.S. with Bioenergy from Purpose-Grown Biomass with and without BECCS. Environmental Science & Technology, 2020, 54, 2961-2974.	10.0	48
93	UNDERSTANDING AND OVERCOMING BASELINE ISOTOPIC VARIABILITY IN RUNNING WATERS. River Research and Applications, 2014, 30, 155-165.	1.7	47
94	The role of instream vs allochthonous N in stream food webs: modeling the results of an isotope addition experiment. Journal of the North American Benthological Society, 2004, 23, 429-448.	3.1	46
95	Changes in river water quality caused by a diversion hydropower dam bordering the Pantanal floodplain. Hydrobiologia, 2016, 768, 223-238.	2.0	45
96	You are not always what we think you eat: selective assimilation across multiple wholeâ€stream isotopic tracer studies. Ecology, 2014, 95, 2757-2767.	3.2	44
97	Productivity, Disturbance and Ecosystem Size Have No Influence on Food Chain Length in Seasonally Connected Rivers. PLoS ONE, 2013, 8, e66240.	2.5	44
98	Seasonal contrasts in carbon resources and ecological processes on a tropical floodplain. Freshwater Biology, 2011, 56, 1047-1064.	2.4	42
99	Water and energy footprints of bioenergy crop production on marginal lands. GCB Bioenergy, 2011, 3, 208-222.	5.6	42
100	Ecosystem Water-Use Efficiency of Annual Corn and Perennial Grasslands: Contributions from Land-Use History and Species Composition. Ecosystems, 2016, 19, 1001-1012.	3.4	41
101	Inorganic carbon isotope systematics in soil profiles undergoing silicate and carbonate weathering (Southern Michigan, USA). Chemical Geology, 2009, 264, 139-153.	3.3	40
102	Re-flooding a Historically Drained Wetland Leads to Rapid Sediment Phosphorus Release. Ecosystems, 2014, 17, 641-656.	3.4	40
103	The greenhouse gas cost of agricultural intensification with groundwater irrigation in a Midwest U.S. row cropping system. Global Change Biology, 2018, 24, 5948-5960.	9.5	40
104	Leaching losses of dissolved organic carbon and nitrogen from agricultural soils in the upper US Midwest. Science of the Total Environment, 2020, 734, 139379.	8.0	40
105	CO2 fluxes of transitional bioenergy crops: effect of land conversion during the first year of cultivation. GCB Bioenergy, 2011, 3, 401-412.	5.6	39
106	Seasonal changes in water quality and macrophytes and the impact of cattle on tropical floodplain waterholes. Marine and Freshwater Research, 2012, 63, 788.	1.3	38
107	Complex interactions between climate change, sanitation, and groundwater quality: a case study from Ramotswa, Botswana. Hydrogeology Journal, 2019, 27, 997-1015.	2.1	38
108	Evidence That Filterable Phosphorus Is a Significant Atmospheric Link in the Phosphorus Cycle. Oikos, 1985, 45, 428.	2.7	37

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109	Specular Reflection and Diffuse Reflectance Spectroscopy of Soils. Applied Spectroscopy, 2005, 59, 39-46.	2.2	37
110	A Source of Terrestrial Organic Carbon to Investigate the Browning of Aquatic Ecosystems. PLoS ONE, 2013, 8, e75771.	2.5	36
111	Phosphorus addition reverses the positive effect of zebra mussels (Dreissena polymorpha) on the toxic cyanobacterium, Microcystis aeruginosa. Water Research, 2012, 46, 3471-3478.	11.3	35
112	From set-aside grassland to annual and perennial cellulosic biofuel crops: Effects of land use change on carbon balance. Agricultural and Forest Meteorology, 2013, 182-183, 1-12.	4.8	34
113	Nitrate Leaching from Continuous Corn, Perennial Grasses, and Poplar in the US Midwest. Journal of Environmental Quality, 2019, 48, 1849-1855.	2.0	34
114	Responses of zooplankton and zoobenthos to experimental acidification in a high-elevation lake (Sierra Nevada, California, U.S.A.). Freshwater Biology, 1990, 23, 571-586.	2.4	33
115	Silicate and carbonate mineral weathering in soil profiles developed on Pleistocene glacial drift (Michigan, USA): Mass balances based on soil water geochemistry. Geochimica Et Cosmochimica Acta, 2008, 72, 1027-1042.	3.9	33
116	Modeling the potential distribution of the invasive golden mussel Limnoperna fortunei in the Upper Paraguay River system using limnological variables. Brazilian Journal of Biology, 2010, 70, 831-840.	0.9	33
117	Heat-induced mass mortality of invasive zebra mussels (<i>Dreissena polymorpha</i>) at sublethal water temperatures. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1221-1229.	1.4	33
118	Phosphorus release from the drying and reflooding of diverse shallow sediments. Biogeochemistry, 2016, 130, 159-176.	3.5	31
119	Characterizing seasonal dynamics of Amazonian wetlands for conservation and decision making. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 1073-1082.	2.0	31
120	Carbon debt of field-scale conservation reserve program grasslands converted to annual and perennial bioenergy crops. Environmental Research Letters, 2019, 14, 024019.	5.2	31
121	Hydropeaking Operations of Two Run-of-River Mega-Dams Alter Downstream Hydrology of the Largest Amazon Tributary. Frontiers in Environmental Science, 2020, 8, .	3.3	31
122	Seasonal effects of zebra mussels on littoral nitrogen transformation rates in Gull Lake, Michigan, U.S.A.. Freshwater Biology, 2009, 54, 1427-1443.	2.4	30
123	Incorporating spatial variation of nitrification and denitrification rates into wholeâ€lake nitrogen dynamics. Journal of Geophysical Research, 2012, 117, .	3.3	30
124	Seasonal and Long-Term Dynamics in Stream Water Sodium Chloride Concentrations and the Effectiveness of Road Salt Best Management Practices. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	30
125	Limnological effects of a large Amazonian run-of-river dam on the main river and drowned tributary valleys. Scientific Reports, 2019, 9, 16846.	3.3	30
126	Ecosystem carbon exchange on conversion of Conservation Reserve Program grasslands to annual and perennial cropping systems. Agricultural and Forest Meteorology, 2018, 253-254, 151-160.	4.8	29

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127	Denitrification by sulfur-oxidizing bacteria in a eutrophic lake. Aquatic Microbial Ecology, 2012, 66, 283-293.	1.8	28
128	Evapotranspiration and water use efficiency of continuous maize and maize and soybean in rotation in the upper Midwest U.S.. Agricultural Water Management, 2019, 221, 92-98.	5.6	27
129	The fate of assimilated nitrogen in streams: an <i>in situ</i> benthic chamber study. Freshwater Biology, 2012, 57, 1113-1125.	2.4	26
130	Oxygen Depletion Events Control the Invasive Golden Mussel (Limnoperna fortunei) in a Tropical Floodplain. Wetlands, 2010, 30, 705-716.	1.5	25
131	Colonization and Spread of Limnoperna fortunei in South America. , 2015, , 333-355.		25
132	Legacy effects of land use on soil nitrous oxide emissions in annual crop and perennial grassland ecosystems. Ecological Applications, 2018, 28, 1362-1369.	3.8	25
133	Conservation planning for river-wetland mosaics: A flexible spatial approach to integrate floodplain and upstream catchment connectivity. Biological Conservation, 2019, 236, 356-365.	4.1	25
134	Comparative analysis of water budgets across the U.S. long-term agroecosystem research network. Journal of Hydrology, 2020, 588, 125021.	5.4	24
135	Longâ€term variability and density dependence in Hudson River <i>Dreissena</i> populations. Freshwater Biology, 2020, 65, 474-489.	2.4	23
136	Parasite and pathogen effects on ecosystem processes: A quantitative review. Ecosphere, 2020, 11, e03057.	2.2	22
137	Quantifying the production of dissolved organic nitrogen in headwater streams using ¹⁵N tracer additions. Limnology and Oceanography, 2013, 58, 1271-1285.	3.1	21
138	Predicted impacts of proposed hydroelectric facilities on fish migration routes upstream from the Pantanal wetland (Brazil). River Research and Applications, 2020, 36, 452-464.	1.7	21
139	Evapotranspiration is resilient in the face of land cover and climate change in a humid temperate catchment. Hydrological Processes, 2018, 32, 655-663.	2.6	19
140	Natural stressors in uncontaminated sediments of shallow freshwaters: The prevalence of sulfide, ammonia, and reduced iron. Environmental Toxicology and Chemistry, 2015, 34, 467-479.	4.3	18
141	Rainfall Intensification Enhances Deep Percolation and Soil Water Content in Tilled and Noâ€Till Cropping Systems of the US Midwest. Vadose Zone Journal, 2018, 17, 1-12.	2.2	18
142	Climate change may impair electricity generation and economic viability of future Amazon hydropower. Global Environmental Change, 2021, 71, 102383.	7.8	18
143	How much inundation occurs in the Amazon River basin?. Remote Sensing of Environment, 2022, 278, 113099.	11.0	18
144	Selecting soil hydraulic properties as indicators of soil health: Measurement response to management and site characteristics. Soil Science Society of America Journal, 2022, 86, 1206-1226.	2.2	18

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145	Organic matter stocks increase with degree of invasion in temperate inland wetlands. Plant and Soil, 2014, 385, 107-123.	3.7	17
146	The meta-gut: community coalescence of animal gut and environmental microbiomes. Scientific Reports, 2021, 11, 23117.	3.3	17
147	Alternative Biogeochemical States of River Pools Mediated by Hippo Use and Flow Variability. Ecosystems, 2021, 24, 284-300.	3.4	16
148	Rates of anaerobic microbial metabolism in wetlands of divergent hydrology on a glacial landscape. Wetlands, 2008, 28, 703-714.	1.5	15
149	Controls on algal abundance in a eutrophic river with varying degrees of impoundment (Kalamazoo) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	14
150	Further Development of Small Hydropower Facilities Will Significantly Reduce Sediment Transport to the Pantanal Wetland of Brazil. Frontiers in Environmental Science, 2020, 8, .	3.3	14
151	Nitrogen transformations in a through-flow wetland revealed using whole-ecosystem pulsed 15 N additions. Limnology and Oceanography, 2012, 57, 221-234.	3.1	13
152	Longâ€term evapotranspiration rates for rainfed corn versus perennial bioenergy crops in a mesic landscape. Hydrological Processes, 2020, 34, 810-822.	2.6	13
153	Phosphorus availability and leaching losses in annual and perennial cropping systems in an upper US Midwest landscape. Scientific Reports, 2021, 11, 20367.	3.3	13
154	Dynamics of floodplain inundation in the alluvial fan of the Taquari River (Pantanal, Brazil). Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1998, 26, 916-922.	0.1	12
155	Sediment nitrate manipulation using porewater equilibrators reveals potential for N and S coupling in freshwaters. Aquatic Microbial Ecology, 2009, 54, 233-241.	1.8	12
156	Landâ€based climate solutions for the United States. Global Change Biology, 2022, 28, 4912-4919.	9.5	12
157	Limnological conditions associated with natural fish kills in the Pantanal Wetland of Brazil. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1998, 26, 2189-2193.	0.1	10
158	Mass balances of major solutes, nutrients and particulate matter as water moves through the floodplains of the Pantanal (Paraguay River, Brazil). Revista Brasileira De Recursos Hidricos, 2019, 24, .	0.5	9
159	Mineral weathering rates in glacial drift soils (SW Michigan, USA): New constraints from seasonal sampling of waters and gases at soil monoliths. Chemical Geology, 2008, 249, 129-154.	3.3	8
160	Plant-mediated transport and isotopic composition of methane from shallow tropical wetlands. Inland Waters, 2014, 4, 369-376.	2.2	8
161	Unexpected population response to increasing temperature in the context of a strong species interaction. Ecological Applications, 2017, 27, 1657-1665.	3.8	8
162	Cascading effects: insights from the U.S. Long Term Ecological Research Network. Ecosphere, 2021, 12, e03430.	2.2	8

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163	Albedo-induced global warming impact of Conservation Reserve Program grasslands converted to annual and perennial bioenergy crops. Environmental Research Letters, 2021, 16, 084059.	5.2	8
164	Water quality impacts of small hydroelectric power plants in a tributary to the Pantanal floodplain, Brazil. River Research and Applications, 2021, 37, 448-461.	1.7	8
165	Hydropeaking by Small Hydropower Facilities Affects Flow Regimes on Tributaries to the Pantanal Wetland of Brazil. Frontiers in Environmental Science, 2021, 9, .	3.3	7
166	Animal legacies lost and found in river ecosystems. Environmental Research Letters, 2021, 16, 115011.	5.2	7
167	Modeling the effects of vegetation on stream temperature dynamics in a large, mixed land cover watershed in the Great Lakes region. Journal of Hydrology, 2020, 581, 124283.	5.4	6
168	Further Development of Small Hydropower Facilities May Alter Nutrient Transport to the Pantanal Wetland of Brazil. Frontiers in Environmental Science, 2020, 8, .	3.3	5
169	Impacts of glacial/interglacial cycles on continental rock weathering inferred using Sr/Ca and 87Sr/86Sr ratios in Michigan watersheds. Chemical Geology, 2012, 300-301, 97-108.	3.3	4
170	Nitrate Reduction, Denitrification, and Dissimilatory Nitrate Reduction to Ammonium in Wetland Sediments. Soil Science Society of America Book Series, 0, , 519-537.	0.3	4
171	The Relative Importance of Groundwater and its Ecological Implications in Diverse Glacial Wetlands. American Midland Naturalist, 2014, 172, 205-218.	0.4	3
172	Longâ€term increases in shell thickness in <i>Elliptio complanata</i> (Bivalvia: Unionidae) in the freshwater tidal Hudson River. Freshwater Biology, 2021, 66, 1375-1381.	2.4	3
173	Water quality ramifications of temporary drawdown of Oregon reservoirs to facilitate juvenile Chinook salmon passage. Lake and Reservoir Management, 2022, 38, 165-179.	1.3	3
174	Root water uptake of biofuel crops revealed by coupled electrical resistivity and soil water content measurements. Vadose Zone Journal, 2021, 20, e20124.	2.2	2
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180	Flood Plains of Large Rivers. , 2022, , 290-300.		1

#	Article	IF	Citations
181	Correction to â€œEvidence for carbon sequestration by agricultural limingâ€. Global Biogeochemical Cycles, 2012, 26, n/a-n/a.	4.9	0