Effects of Watershed Perturbation on Stream Potassium

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Citation Report

#	Article	IF	CITATIONS
1	Seston Dynamics in Southern Appalachian Streams: Effects of Clear-cutting. Canadian Journal of Fisheries and Aquatic Sciences, 1980, 37, 624-631.	1.4	112
2	A Model of Seston Capture by Net-Spinning Caddisflies. Oikos, 1981, 36, 147.	2.7	77
3	Shifts In Aquatic Insect Populations In A First-Order Southern Appalachian Stream Following A Decade Of Old Field Succession. Canadian Journal of Fisheries and Aquatic Sciences, 1981, 38, 353-359.	1.4	35
4	Periphyton Production in an Appalachian Mountain Trout Stream. American Midland Naturalist, 1981, 106, 22.	0.4	54
5	Differential Utilization of Allochthonous and Autochthonous Inputs by Aquatic Invertebrates in Some New Zealand Streams: A Stable Carbon Isotope Study. Oikos, 1982, 39, 191.	2.7	157
6	Nutrient Spiralling in Streams: Implications for Nutrient Limitation and Invertebrate Activity. American Naturalist, 1982, 120, 628-652.	2.1	223
7	Seston and Dissolved Organic Carbon Dynamics in a Southern Appalachian Stream. Ecology, 1982, 63, 824-838.	3.2	121
8	Stream detritus dynamics: Regulation by invertebrate consumers. Oecologia, 1982, 53, 197-200.	2.0	254
9	Effects of forest clearcutting on leaf breakdown in a southern Appalachian stream. Freshwater Biology, 1982, 12, 331-344.	2.4	121
10	Organic Matter Budgets for Stream Ecosystems: Problems in their Evaluation. , 1983, , 299-353.		122
11	The Role of Benthic Macroinvertebrates in Detritus Dynamics of Streams: A Computer Simulation. Ecological Monographs, 1983, 53, 383-404.	5.4	97
12	Leaf-shredding Insects as a Source of Dissolved Organic Carbon in Headwater Streams. American Midland Naturalist, 1983, 109, 175.	0.4	49
13	The Effects of Watershed Disturbance on Dissolved Organic Carbon Dynamics of a Stream. Ecology, 1983, 64, 33-44.	3.2	179
14	Phosphorus Dynamics in a Woodland Stream Ecosystem: A Study of Nutrient Spiralling. Ecology, 1983, 64, 1249-1265.	3.2	307
15	Production of filter-feeding Trichoptera in an impounded and a free-flowing river. Canadian Journal of Zoology, 1983, 61, 70-87.	1.0	81
16	The Influence of Hydrologic Conditions and Successional State on Dissolved Organic Carbon Export from Forested Watersheds. Ecology, 1983, 64, 25-32.	3.2	84
17	Seasonal Production Dynamics in a Guild of Periphyton-Grazing Insects in a Southern Appalachian Stream. Ecology, 1983, 64, 1236-1248.	3.2	57
18	Seston transport in streams at Coweeta Hydrologie Laboratory, North Carolina, U. S. A Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1984, 22, 1911-1919.	0.1	7

#	Article	IF	Citations
19	Plankton Community Structure and Limnetic Primary Production. American Naturalist, 1984, 124, 159-172.	2.1	182
20	Pesticide Manipulation of a Headwater Stream: Invertebrate Responses and Their Significance for Ecosystem Processes. Freshwater Invertebrate Biology, 1984, 3, 153-171.	0.3	65
21	DYNAMICS OF ADDED NITRATE AND PHOSPHATE COMPARED IN A NORTHERN CALIFORNIA WOODLAND STREAM. Journal of the American Water Resources Association, 1984, 20, 93-101.	2.4	19
22	Production of a stream shredder, Peltoperla maria (Plecoptera: Peltoperlidae) in disturbed and undisturbed hardwood catchments. Freshwater Biology, 1984, 14, 13-21.	2.4	47
23	Salinity Stresses Along a Complex River Continuum: Effects on Mayfly (Ephemeroptera) Distributions. Ecology, 1984, 65, 1662-1672.	3.2	15
24	Nitrogen Budget for a Small Coniferous Forest Stream. Ecological Monographs, 1984, 54, 119-140.	5.4	150
25	Phosphorus Spiralling in a Woodland Stream: Seasonal Variations. Ecology, 1985, 66, 1012-1023.	3.2	228
26	Factors controlling phosphorus limitation in stream sediments1. Limnology and Oceanography, 1985, 30, 543-553.	3.1	59
27	Effect of a leaf-shredding invertebrate on organic matter dynamics and phosphorus spiralling in heterotrophic laboratory streams. Oecologia, 1985, 66, 199-206.	2.0	52
28	CHANNEL FORM AND STREAM ECOSYSTEM MODELS. Journal of the American Water Resources Association, 1985, 21, 859-866.	2.4	67
29	Cycling and retention of nitrogen and phosphorus in wetlands: a theoretical and applied perspective. Freshwater Biology, 1985, 15, 391-431.	2.4	255
30	Developments in Stream Ecosystem Theory. Canadian Journal of Fisheries and Aquatic Sciences, 1985, 42, 1045-1055.	1.4	519
31	Secondary Production, Emergence, and Export of Aquatic Insects of a Sonoran Desert Stream. Ecology, 1986, 67, 629-638.	3.2	279
32	The trophic basis of production of the macroinvertebrate community of a southeastern U.S.A. blackwater stream. Ecography, 1986, 9, 165-174.	4.5	9
33	Untangling the Web of Caddisfly Evolution and Distribution. Oikos, 1986, 47, 253.	2.7	15
34	Recovery of a Headwater Stream from an Insecticide-Induced Community Disturbance. Journal of the North American Benthological Society, 1986, 5, 115-126.	3.1	90
35	Input–Output Nutrient Budgets for Small Diked Marshes. Canadian Journal of Fisheries and Aquatic Sciences, 1986, 43, 2009-2016.	1.4	19
36	Regulated Streams., 1987,,.		28

#	Article	IF	Citations
37	Experimental studies of physical factors affecting seston transport in streams1. Limnology and Oceanography, 1987, 32, 848-863.	3.1	84
38	Changes in Stream Morphology and Storm Transport of Seston Following Watershed Disturbance. Journal of the North American Benthological Society, 1987, 6, 1-11.	3.1	45
40	Longitudinal Patterns of Ecosystem Processes and Community Structure in a Subarctic River Continuum. Ecology, 1987, 68, 1139-1156.	3.2	259
41	Energetics, Growth, and Production of a Leaf-Shredding Stonefly in an Appalachian Mountain Stream. Journal of the North American Benthological Society, 1987, 6, 12-25.	3.1	32
42	Characteristics of seston in a regulated Appalachian Mountain river, U.S.A. River Research and Applications, 1987, 1, 287-300.	0.8	8
43	Stream Ecosystem Theory: A Global Perspective. Journal of the North American Benthological Society, 1988, 7, 263-288.	3.1	378
44	Patch Dynamics in Lotic Systems: The Stream as a Mosaic. Journal of the North American Benthological Society, 1988, 7, 503-524.	3.1	522
45	Kinetic control of dissolved phosphate in natural rivers and estuaries: A primer on the phosphate buffer mechanism1. Limnology and Oceanography, 1988, 33, 649-668.	3.1	203
46	Leaf Decomposition in an Ozark Cave and Spring. Journal of Freshwater Ecology, 1988, 4, 263-269.	1.2	8
47	Nutrient cycling in the epilithon of running waters. Canadian Journal of Botany, 1989, 67, 2302-2309.	1.1	50
48	Discharge-Export Relationships in Headwater Streams: The Influence of Invertebrate Manipulations and Drought. Journal of the North American Benthological Society, 1989, 8, 331-341.	3.1	49
49	Nutrient concentration-stream discharge relationships during storm events in a first-order stream. Hydrobiologia, 1989, 179, 97-102.	2.0	73
50	The effect of stream regulation on the physico-chemical properties of the palmiet river, South Africa. River Research and Applications, 1989, 3, 107-121.	0.8	17
51	Experimental evidence quantifying the role of benthic invertebrates in organic matter dynamics of headwater streams. Freshwater Biology, 1990, 23, 281-299.	2.4	191
52	Recovery of lotic communities and ecosystems from disturbanceâ€"A narrative review of case studies. Environmental Management, 1990, 14, 547-569.	2.7	207
53	Feeding tests with caddis larvae (Insecta: Trichoptera) and amphipods (Crustacea: Amphipoda) on Platanus orientalis (Platanaceae) and other leaf litter. Hydrobiologia, 1990, 206, 163-173.	2.0	16
54	Concepts and Methods for Assessing Solute Dynamics in Stream Ecosystems. Journal of the North American Benthological Society, 1990, 9, 95-119.	3.1	596
55	Mechanisms of Stream Phosphorus Retention: An Experimental Study. Journal of the North American Benthological Society, 1991, 10, 225-237.	3.1	61

#	ARTICLE	IF	Citations
56	Nutrient Cycling by Biofilms in Running Waters of Differing Nutrient Status. Journal of the North American Benthological Society, 1991, 10, 31-41.	3.1	33
57	Initial effects of deforestation on physical characteristics of a boreal river. Hydrobiologia, 1991, 209, 29-37.	2.0	22
58	Distribution, Life History and Production of Crayfish in the James River, Virginia. American Midland Naturalist, 1991, 126, 353.	0.4	25
59	Resilience of Lotic Ecosystems to a Light-Elimination Disturbance. Ecology, 1991, 72, 1299-1313.	3.2	52
60	Resilience and Resistance of a Lake Phosphorus Cycle Before and After Food Web Manipulation. American Naturalist, 1992, 140, 781-798.	2.1	142
61	Lotic Ecosystem Response to a Chlorine Disturbance. , 1992, 2, 341-355.		20
62	Effects of Microhabitat Selection on Feeding Rates of Net-Spinning Caddisfly Larvae. Ecology, 1992, 73, 229-240.	3.2	89
63	Conservation Management of Riparian Communities. , 1992, , 352-372.		29
64	Effects of periodic flooding on the water chemistry and primary production of the Mapire systems (Venezuela). Hydrobiologia, 1993, 262, 31-42.	2.0	16
65	Seasonal alternation of lentic/lotic conditions in the Mapire system, a tropical floodplain lake in Venezuela. Hydrobiologia, 1993, 262, 43-55.	2.0	12
66	Phosphateâ€phosphorus (ADâ€) sorption characteristics of sediments from a very high productive coastal zone. Toxicological and Environmental Chemistry, 1993, 39, 81-95.	1.2	6
67	Growth and Abundance of the CrayfishOrconectes propinouusin a Hard Water and a Soft Water Stream. Journal of Freshwater Ecology, 1993, 8, 329-340.	1.2	9
68	The effects of whole-tree harvest on insects associated with leaf packs in small streams in New Hampshire. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1994, 25, 1483-1491.	0.1	3
69	Retention of Coarse Organic Particles in Streams in the Southern Appalachian Mountains. Journal of the North American Benthological Society, 1994, 13, 140-150.	3.1	121
70	The role of grazers and shredders in the retention and downstream transport of a pcb in lotic environments. Environmental Toxicology and Chemistry, 1994, 13, 1843-1847.	4.3	8
72	Analytical solution schemes for phosphorus transport equations of a steady state in a stream. Ecological Modelling, 1994, 71, 221-243.	2.5	4
73	Comparison of methods for determination of total solutes in flowing waters. Journal of Hydrology, 1994, 154, 291-300.	5.4	10
74	Volume loss and mass balance for selected physicochemical constituents in lake pepin, upper Mississippi River, USA. River Research and Applications, 1995, 11, 175-184.	0.8	14

#	Article	IF	CITATIONS
7 5	Longitudinal Patterns of Nutrient Cycling and Periphyton Characteristics in Streams: A Test of Upstream-Downstream Linkage. Journal of the North American Benthological Society, 1995, 14, 357-370.	3.1	55
76	An assessment of the possible impact of expansion of native woodland cover on the chemistry of Scottish freshwaters. Forest Ecology and Management, 1995, 73, 1-27.	3.2	20
77	Redefining the role of crayfish in aquatic ecosystems. Reviews in Fisheries Science, 1995, 3, 33-63.	2.1	425
79	Role in Nutrient Cycling in Streams. , 1996, , 609-639.		42
80	Parent lithology, surface-groundwater exchange, and nitrate retention in headwater streams. Limnology and Oceanography, 1996, 41, 333-345.	3.1	375
81	The Role of Macroinvertebrates in Stream Ecosystem Function. Annual Review of Entomology, 1996, 41, 115-139.	11.8	822
82	High Variability in Temporal and Spatial Nutrient Retention in Mediterranean Streams. Ecology, 1996, 77, 854-869.	3.2	151
83	Invading Crayfish in a Michigan Stream: Direct and Indirect Effects on Periphyton and Macroinvertebrates. Journal of the North American Benthological Society, 1996, 15, 551-563.	3.1	149
84	Organic Matter Budgets for Streams: A Synthesis. Journal of the North American Benthological Society, 1997, 16, 141-161.	3.1	235
85	Effects of crayfish (<i>Paranephrops planifrons</i> : Parastacidae) on inâ€stream processes and benthic faunas: A density manipulation experiment. New Zealand Journal of Marine and Freshwater Research, 1997, 31, 685-692.	2.0	106
86	Title is missing!. International Journal of Salt Lake Research, 1997, 6, 353-371.	0.1	5
87	Dynamics of leaf litter accumulation and its effects on riparian vegetation: A review. Botanical Review, The, 1997, 63, 240-264.	3.9	130
88	Seasonal fluctuations in the plankton community in a hypersaline temporary lake (Honda, southern) Tj ETQq0 0 0	rgBT /Ove	rlock 10 Tf 5
89	Title is missing!. Hydrobiologia, 1998, 389, 89-100.	2.0	19
90	Material Spiraling in Stream Corridors: A Telescoping Ecosystem Model. Ecosystems, 1998, 1, 19-34.	3.4	259
91	Nutrient dynamics at the interface between surface waters and groundwaters. Freshwater Biology, 1998, 40, 427-451.	2.4	277
92	Rivers and Soils: Parallels in Carbon and Nutrient Processing. BioScience, 1998, 48, 104-108.	4.9	87
93	Spatio-temporal heterogeneity of nutrients in a mediterranean temporary stream (Montesina Stream,) Tj ETQq1 1 Limnologie International Association of Theoretical and Applied Limnology, 1998, 26, 1062-1065.	0.784314 0.1	rgBT /Over

#	Article	IF	CITATIONS
94	Growth Performance and Mortality in Aquatic Macrobenthic Invertebrates. Advances in Marine Biology, 1999, 35, 153-223.	1.4	82
95	What happens to allochthonous material that falls into streams? A synthesis of new and published information from Coweeta. Freshwater Biology, 1999, 41, 687-705.	2.4	299
96	Assessment of river health: accounting for perturbation pathways in physical and ecological space. Freshwater Biology, 1999, 41, 393-405.	2.4	69
97	IMPACTS OF CLIMATE CHANGE ON AQUATIC ECOSYSTEM FUNCTIONING AND HEALTH. Journal of the American Water Resources Association, 1999, 35, 1373-1386.	2.4	247
98	Nitrogen and phosphorus uptake in two Idaho (USA) headwater wilderness streams. Oecologia, 1999, 119, 247-255.	2.0	127
99	Ecosystems emerging: 2. Dissipation. Ecological Modelling, 1999, 117, 3-39.	2.5	41
100	Phosphorus Retention in Streams and Wetlands: A Review. Critical Reviews in Environmental Science and Technology, 1999, 29, 83-146.	12.8	801
101	Transport, Retention, and Ecological Significance of Woody Debris within a Large Ephemeral River. Journal of the North American Benthological Society, 1999, 18, 429-444.	3.1	82
102	Resistance and resilience of ecosystem metabolism in a flood-prone river system. Freshwater Biology, 2000, 45, 319-332.	2.4	133
103	Mini-Review: Nutrient Cycling in Lakes and Streams: Insights from a Comparative Analysis. Ecosystems, 2000, 3, 131-143.	3.4	60
104	Towards a holistic view of nutrient dynamics in fluvial ecosystems. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 3111-3116.	0.1	1
105	The effects of whole-tree harvest on benthic insects in small New Hampshire streams. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 1079-1089.	0.1	0
106	Modeling the potential effects of climate change on leaf pack processing in central Appalachian streams. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1773-1783.	1.4	21
107	Control of Nitrogen Export from Watersheds by Headwater Streams. Science, 2001, 292, 86-90.	12.6	1,209
108	STREAM NUTRIENT RETENTION IN THREE NORTHEASTERN OKLAHOMA AGRICULTURAL CATCHMENTS. Transactions of the American Society of Agricultural Engineers, 2001, 44, .	0.9	35
110	Influence of stream size on ammonium and suspended particulate nitrogen processing. Limnology and Oceanography, 2001, 46, 1-13.	3.1	138
111	Assessment of Phosphorus Concentrations in Bank Sediments of Long Creek, MS., 2001, , 1.		0
112	Is invertebrate shredding critical for collector invertebrates? A test of the shredder-collector facilitation hypothesis. Ecological Research, 2001, 16, 319-326.	1.5	11

#	ARTICLE	IF	CITATIONS
113	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
114	A Geomorphic Perspective on Nutrient Retention Following Dam Removal. BioScience, 2002, 52, 693.	4.9	135
115	Applying Landscape Ecology in Biological Conservation. , 2002, , .		50
116	Nutrient Cycling by Animals in Freshwater Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2002, 33, 341-370.	6.7	850
117	Lessons from kinetic releases of ammonium in streams of the Hubbard Brook Experimental Forest. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2002, 28, 429-433.	0.1	0
118	Regulation of surface water quality in a Cretaceous Chalk catchment, UK: an assessment of the relative importance of instream and wetland processes. Science of the Total Environment, 2002, 282-283, 159-174.	8.0	53
119	Ammonium retention and whole-stream metabolism in cave streams. Hydrobiologia, 2002, 482, 31-39.	2.0	27
120	Merging aquatic and terrestrial perspectives of nutrient biogeochemistry. Oecologia, 2003, 137, 485-501.	2.0	134
121	Factors affecting ammonium uptake in streams - an inter-biome perspective. Freshwater Biology, 2003, 48, 1329-1352.	2.4	233
122	Hydrogeomorphic controls on phosphorus retention in streams. Water Resources Research, 2003, 39,	4.2	90
123	A perspective on the key citations in freshwater benthic science, and the studies that influenced them. Journal of the North American Benthological Society, 2003, 22, 341-351.	3.1	9
124	Rangeland Monitoring: Water Quality and Riparian Systems. Arid Land Research and Management, 2003, 17, 407-428.	1.6	4
125	Watershed Management and Protection â€" Issues of Scale and Process in Ecosystems. , 2003, , 17.		0
126	Stream nutrient dynamics and sediment nutrient interaction in an agricultural. , 2003, , .		0
127	Variable selection for modelling effects of eutrophication on stream and river ecosystems. Ecological Modelling, 2004, 177, 17-39.	2.5	71
128	Carbon and nitrogen stoichiometry and nitrogen cycling rates in streams. Oecologia, 2004, 140, 458-467.	2.0	108
129	STREAM MORPHOLOGY CONTROLS AMMONIUM RETENTION IN TROPICAL HEADWATERS. Ecology, 2004, 85, 2818-2827.	3.2	79
130	Estimation of stream nutrient uptake from nutrient addition experiments. Limnology and Oceanography: Methods, 2005, 3, 174-182.	2.0	111

#	ARTICLE	IF	CITATIONS
131	Integrating vertical and horizontal approaches for management of shallow lakes and wetlands. Ecological Engineering, 2005, 24, 379-389.	3.6	33
132	Seston capture by Hydropsyche siltalai and the accuracy of capture efficiency estimates. Freshwater Biology, 2005, 50, 113-126.	2.4	17
133	Tangled webs: reciprocal flows of invertebrate prey link streams and riparian zones. Freshwater Biology, 2005, 50, 201-220.	2.4	920
134	Ecological stoichiometry in freshwater benthic systems: recent progress and perspectives. Freshwater Biology, 2005, 50, 1895-1912.	2.4	353
135	Organic carbon spiraling in an Idaho river. Aquatic Sciences, 2005, 67, 424-433.	1.5	23
136	Nitrogen Retention, Removal, and Saturation in Lotic Ecosystems. Ecosystems, 2005, 8, 442-453.	3.4	255
137	Impact of an introduced Crustacean on the trophic webs of Mediterranean wetlands. Biological Invasions, 2005, 7, 49-73.	2.4	200
138	Nutrient transient storage by the invertebrate assemblage in streams with contrasting nutrient loads. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2005, 29, 807-810.	0.1	1
139	Impacts of forest conversion on the ecology of streams in the humid tropics. , 2005, , 811-836.		2
140	New methods for evaluating effects of land-use change. , 2005, , 671-674.		0
141	Can't See the Forest for the Stream? In-stream Processing and Terrestrial Nitrogen Exports. BioScience, 2005, 55, 219.	4.9	178
142	Impact of an introduced Crustacean on the trophic webs of Mediterranean wetlands., 2005,, 49-73.		9
143	COUPLED CYCLING OF DISSOLVED ORGANIC NITROGEN AND CARBON IN A FOREST STREAM. Ecology, 2005, 86, 2487-2496.	3.2	128
144	Contribution of dissolved organic C to stream metabolism: a mesocosm study using 13C-enriched tree-tissue leachate. Journal of the North American Benthological Society, 2005, 24, 48-67.	3.1	61
145	Effects of wastewater treatment plant discharge on ecosystem structure and function of lowland streams. Journal of the North American Benthological Society, 2006, 25, 313-329.	3.1	181
146	Nutrient spiraling in streams and river networks. Journal of Geophysical Research, 2006, 111, .	3.3	358
147	NITROGEN SATURATION IN STREAM ECOSYSTEMS. Ecology, 2006, 87, 3140-3151.	3.2	125
148	Regulation of nutrient uptake in eutrophic lowland streams. Limnology and Oceanography, 2006, 51, 1443-1453.	3.1	7 3

#	Article	IF	CITATIONS
149	The riverine ecosystem synthesis: biocomplexity in river networks across space and time. River Research and Applications, 2006, 22, 123-147.	1.7	737
150	Can Nutrient Spiralling be Used to Detect Seasonal Nutrient Uptake in a Forested Stream?. Water, Air and Soil Pollution, 2006, 6, 403-411.	0.8	4
151	Coupling Nutrient Uptake and Energy Flow in Headwater Streams. Ecosystems, 2006, 9, 788-804.	3.4	97
152	Organic carbon fluxes within and streamwater exports from headwater catchments in the southern Amazon. Hydrological Processes, 2006, 20, 2599-2614.	2.6	89
153	Uptake of nutrients and organic C in streams in New York City drinking-water-supply watersheds. Journal of the North American Benthological Society, 2006, 25, 998-1017.	3.1	81
154	Integrative Analysis of Water Quality and Physical Habitat in the Ecological Design of Water Resources Projects. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 1303-1314.	1.7	14
155	Nitrogen and phosphorus retention in a human altered stream. Chemistry and Ecology, 2006, 22, S1-S13.	1.6	5
156	Characterization of suspended particles in Everglades wetlands. Limnology and Oceanography, 2007, 52, 1166-1178.	3.1	44
157	Nitrogen spiraling in streams: Comparisons between stable isotope tracer and nutrient addition experiments. Limnology and Oceanography, 2007, 52, 1718-1723.	3.1	22
158	Toward a transportâ€based analysis of nutrient spiraling and uptake in streams. Limnology and Oceanography: Methods, 2007, 5, 50-62.	2.0	96
159	Flooding and arsenic contamination: Influences on ecosystem structure and function in an Appalachian headwater stream. Limnology and Oceanography, 2007, 52, 1991-2001.	3.1	7
160	Functional ecomorphology: Feedbacks between form and function in fluvial landscape ecosystems. Geomorphology, 2007, 89, 84-96.	2.6	85
161	Meteorological and riparian influences on organic matter dynamics in a forested Mediterranean stream. Journal of the North American Benthological Society, 2007, 26, 54-69.	3.1	91
162	Stream Ecology., 2007,,.		786
163	Spiraling down the river continuum: stream ecology and the U-shaped curve. Journal of the North American Benthological Society, 2007, 26, 375-389.	3.1	99
164	Recovery of stream ecosystem metabolism from historical agriculture. Journal of the North American Benthological Society, 2007, 26, 532-545.	3.1	71
165	Solute Dynamics. , 2007, , 169-185.		18
166	Nitrogen Limitation and Uptake. , 2007, , 213-238.		26

#	Article	IF	CITATIONS
167	Pattern and Process in Northern Rocky Mountain Headwaters: Ecological Linkages in the Headwaters of the Crown of the Continent $\sup 1 < \sup .$ Journal of the American Water Resources Association, 2007, 43, 104-117.	2.4	37
168	Ammonium uptake and mineralization in prairie streams: chamber incubation and short-term nutrient addition experiments. Freshwater Biology, 2007, 53, 071026235033002-???.	2.4	18
169	The saturation of N cycling in Central Plains streams: 15N experiments across a broad gradient of nitrate concentrations. Biogeochemistry, 2007, 84, 31-49.	3.5	133
170	Benthic algal response to hyporheic-surface water exchange in an alluvial river. Hydrobiologia, 2008, 607, 151-161.	2.0	22
171	Inter-annual, Annual, and Seasonal Variation of P and N Retention in a Perennial and an Intermittent Stream. Ecosystems, 2008, 11, 670-687.	3.4	74
172	Hydrologic spiralling: the role of multiple interactive flow paths in stream ecosystems. River Research and Applications, 2008, 24, 1018-1031.	1.7	107
173	Twenty years apart: Comparisons of DOM uptake during leaf leachate releases to Hubbard Brook Valley streams in 1979 versus 2000. Journal of Geophysical Research, 2008, 113, .	3.3	37
174	Suspended sediments in river ecosystems: Photochemical sources of dissolved organic carbon, dissolved organic nitrogen, and adsorptive removal of dissolved iron. Journal of Geophysical Research, 2008, 113, .	3.3	46
175	Factors controlling the fluvial export of large woody debris, and its contribution to organic carbon budgets at watershed scales. Water Resources Research, 2008, 44, .	4.2	46
176	Nitrogen cycling and metabolism in the thalweg of a prairie river. Journal of Geophysical Research, 2008, 113, .	3.3	27
177	ENDOGENOUS AND EXOGENOUS CONTROL OF ECOSYSTEM FUNCTION: N CYCLING IN HEADWATER STREAMS. Ecology, 2008, 89, 3515-3527.	3.2	76
178	ARE RIVERS JUST BIG STREAMS? A PULSE METHOD TO QUANTIFY NITROGEN DEMAND IN A LARGE RIVER. Ecology, 2008, 89, 2935-2945.	3.2	182
179	An assessment of nitrogen removal from headwater streams in an agricultural watershed, northeast Ohio, U.S.A. Limnology and Oceanography, 2008, 53, 2573-2582.	3.1	19
181	Effects of Wastewater Treatment Plants on Stream Nutrient Dynamics Under Water Scarcity Conditions. Handbook of Environmental Chemistry, 2009, , 173-195.	0.4	22
182	Measuring in-stream retention of copper by means of constant-rate additions. Science of the Total Environment, 2009, 407, 3847-3854.	8.0	17
183	The effect of riparian land use on transport hydraulics in agricultural headwater streams located in northeast Ohio, USA. Hydrological Processes, 2010, 24, 1-12.	2.6	3
184	Can consumer stoichiometric regulation control nutrient spiraling in streams?. Journal of the North American Benthological Society, 2009, 28, 747-765.	3.1	46
185	Ecosystem consequences of potential range expansions of <i>Orconectes virilis </i> and <i>Orconectes rusticus </i> crayfish in Canada â€" a review. Environmental Reviews, 2009, 17, 235-248.	4.5	34

#	Article	IF	CITATIONS
186	Deforestation and Nutrient Loading to Fresh Waters., 2009,, 29-44.		6
187	Biological Interactions in River Ecosystems. , 2009, , 387-394.		2
188	Ecohydrology – why Demonstration Projects throughout the world?. Ecohydrology and Hydrobiology, 2009, 9, 3-11.	2.3	11
189	Alternative Reference Frames in River System Science. BioScience, 2009, 59, 499-510.	4.9	51
190	Quantifying phosphorus uptake using pulse and steady-state approaches in streams. Limnology and Oceanography: Methods, 2009, 7, 498-508.	2.0	18
191	Maintenance of terrestrial nutrient loss signatures during inâ€stream transport. Ecology, 2009, 90, 293-299.	3.2	85
192	Hydrologic and biotic influences on nitrate removal in a subtropical springâ€fed river. Limnology and Oceanography, 2010, 55, 249-263.	3.1	47
193	Stream hydrogeomorphology as a physical science basis for advances in stream ecology. Journal of the North American Benthological Society, 2010, 29, 12-25.	3.1	115
194	Longitudinal and seasonal variation of stream N uptake in an urbanizing watershed: effect of organic matter, stream size, transient storage and debris dams. Biogeochemistry, 2010, 98, 45-62.	3.5	21
195	Longitudinal assessment of the effect of concentration on stream N uptake rates in an urbanizing watershed. Biogeochemistry, 2010, 98, 63-74.	3.5	16
196	Reconciling theory and practise: The role of stream ecology. River Research and Applications, 2010, 26, 5-14.	1.7	32
197	Linking phylogenetic and functional diversity to nutrient spiraling in microbial mats from Lower Kane Cave (USA). ISME Journal, 2010, 4, 98-110.	9.8	70
198	Dissolved inorganic nitrogen dynamics in the hyporheic zone of reference and human-altered southwestern U. S. streams. Fundamental and Applied Limnology, 2010, 176, 391-405.	0.7	15
200	Using discharge dynamics characteristics to predict the effects of climate change on macroinvertebrates in lowland streams. Journal of the North American Benthological Society, 2010, 29, 1491-1509.	3.1	10
201	Tracer Additions for Spiraling Curve Characterization (TASCC): Quantifying stream nutrient uptake kinetics from ambient to saturation. Limnology and Oceanography: Methods, 2010, 8, 484-498.	2.0	99
202	Separating physical and biological nutrient retention and quantifying uptake kinetics from ambient to saturation in successive mountain stream reaches. Journal of Geophysical Research, 2010, 115, .	3.3	47
203	Use of spatially explicit physicochemical data to measure downstream impacts of headwater stream disturbance. Water Resources Research, 2010, 46, .	4.2	27
204	Nutrient dynamics in streams and the role of <i>J-NABS</i> . Journal of the North American Benthological Society, 2010, 29, 100-117.	3.1	97

#	Article	IF	CITATIONS
205	Linkages among aquatic ecosystems. Journal of the North American Benthological Society, 2010, 29, 245-263.	3.1	79
206	The evolving legacy of disturbance in stream ecology: concepts, contributions, and coming challenges. Journal of the North American Benthological Society, 2010, 29, 67-83.	3.1	113
207	Measuring adult insect emergence from streams: the influence of trap placement and a comparison with benthic sampling. Journal of the North American Benthological Society, 2010, 29, 647-656.	3.1	39
208	The fire pulse: wildfire stimulates flux of aquatic prey to terrestrial habitats driving increases in riparian consumers. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 570-579.	1.4	71
209	Effects of broad-scale geological changes on patterns in macroinvertebrate assemblages. Journal of the North American Benthological Society, 2011, 30, 459-473.	3.1	17
210	Hydrology and Biogeochemistry Linkages. , 2011, , 271-304.		8
211	Spatial factors contribute to benthic diatom structure in streams across spatial scales: Considerations for biomonitoring. Ecological Indicators, 2011, 11, 1191-1203.	6.3	43
212	The stoichiometry of nitrogen and phosphorus spiralling in heterotrophic and autotrophic streams. Freshwater Biology, 2011, 56, 424-436.	2.4	63
213	A Review of the Function and uses of, and Factors Affecting, Stream Phytobenthos. Freshwater Reviews: A Journal of the Freshwater Biological Association, 2011, 4, 135-166.	1.0	28
214	Coarse particulate organic matter in the interstitial zone of three French headwater streams. Annales De Limnologie, 2012, 48, 303-313.	0.6	11
215	Sensitivity analysis of a pulse nutrient addition technique for estimating nutrient uptake in large streams. Limnology and Oceanography: Methods, 2012, 10, 718-727.	2.0	10
216	Pharmaceutical Compounds and Ecosystem Function: An Emerging Research Challenge for Aquatic Ecologists. Ecosystems, 2012, 15, 867-880.	3.4	168
217	Organic matter stoichiometry influences nitrogen and phosphorus uptake in a headwater stream. Freshwater Science, 2012, 31, 395-407.	1.8	20
218	Longâ€ŧerm changes in community assembly, resistance, and resilience following experimental floods. Ecological Applications, 2012, 22, 1949-1961.	3.8	74
219	Dissolved nutrient retention dynamics in river networks: A modeling investigation of transient flows and scale effects. Water Resources Research, 2012, 48, .	4.2	45
220	Invertebrates and sestonic matter in an advancing wetted front travelling down a dry river bed (Albarine, France). Freshwater Science, 2012, 31, 1187-1201.	1.8	66
221	THE RIVER MACHINE: A TEMPLATE FOR FISH MOVEMENT AND HABITAT, FLUVIAL GEOMORPHOLOGY, FLUID DYNAMICS AND BIOGEOCHEMICAL CYCLING. River Research and Applications, 2012, 28, 490-503.	1.7	34
222	Review of theoretical developments in stream ecology and their influence on stream classification and conservation planning. Freshwater Biology, 2012, 57, 415-434.	2.4	46

#	Article	IF	CITATIONS
223	Understanding Ecosystem Effects of Dams. , 2013, , 253-258.		O
224	River rehabilitation for the delivery of multiple ecosystem services at the river network scale. Journal of Environmental Management, 2013, 126, 30-43.	7.8	134
225	Potassium stimulates fungal epidemics in <i>Daphnia</i> by increasing host and parasite reproduction. Ecology, 2013, 94, 380-388.	3.2	31
226	Insect emergence as a nitrogen flux in Neotropical streams: comparisons with microbial denitrification across a stream phosphorus gradient. Freshwater Science, 2013, 32, 1178-1187.	1.8	6
227	Greater phosphorus uptake in forested headwater streams modified by clearfell forestry. Hydrobiologia, 2013, 703, 1-14.	2.0	10
228	Hydrologic controls of physical and ecological processes in Namib Desert ephemeral rivers: Implications for conservation and management. Journal of Arid Environments, 2013, 93, 80-93.	2.4	47
229	Ecosystem metabolism and nutrient uptake in Peruvian headwater streams. International Review of Hydrobiology, 2013, 98, 117-131.	0.9	16
230	Modeling Nitrogen Transformations in Dry Valley Streams, Antarctica. Antarctic Research Series, 2013, , 141-151.	0.2	2
232	Solute-specific scaling of inorganic nitrogen and phosphorus uptake in streams. Biogeosciences, 2013, 10, 7323-7331.	3.3	72
233	The Lotic Intersite Nitrogen Experiments: an example of successful ecological research collaboration. Freshwater Science, 2014, 33, 700-710.	1.8	15
234	Nutrient flux, uptake, and autotrophic limitation in streams and rivers. Freshwater Science, 2014, 33, 85-98.	1.8	33
235	River of the dammed: longitudinal changes in fish assemblages in response to dams. Hydrobiologia, 2014, 727, 19-33.	2.0	45
236	A Review of the Hyporheic Zone, Stream Restoration, and Means to Enhance Denitrification. Critical Reviews in Environmental Science and Technology, 2014, 44, 2337-2379.	12.8	68
237	Hyporheic flow and transport processes: Mechanisms, models, and biogeochemical implications. Reviews of Geophysics, 2014, 52, 603-679.	23.0	642
238	Stochastic modeling of fine particulate organic carbon dynamics in rivers. Water Resources Research, 2014, 50, 4341-4356.	4.2	53
239	A round-trip ticket: the importance of release processes for in-stream nutrient spiraling. Freshwater Science, 2015, 34, 20-30.	1.8	28
240	Coupling multiscale observations to evaluate hyporheic nitrate removal at the reach scale. Freshwater Science, 2015, 34, 172-186.	1.8	36
241	Seasonal Water Column NH4 + Cycling Along a Semi-arid Sub-tropical River–Estuary Continuum: Responses to Episodic Events and Drought Conditions. Ecosystems, 2015, 18, 792-812.	3.4	19

#	Article	IF	CITATIONS
242	Using <i>Google Earth</i> , A Virtualâ€Globe Imaging Platform, for Ecosystem Servicesâ€Based River Assessment. River Research and Applications, 2015, 31, 406-421.	1.7	29
243	Hydrologic Exchange Flows and Their Ecological Consequences inÂRiver Corridors. , 2016, , 1-83.		17
244	Nutrient Spiraling and Transport in Streams. , 2016, , 181-239.		16
245	From Headwaters to Rivers to River Networks. , 2016, , 349-388.		9
246	Polyphosphate plays a vital role in the phosphorus dynamics of stream periphyton. Freshwater Science, 2016, 35, 490-502.	1.8	26
247	Nitrogen-cycling process rates across urban ecosystems. FEMS Microbiology Ecology, 2016, 92, fiw198.	2.7	58
248	Stream-Lake Interaction. , 2016, , 321-348.		17
249	Using multi-tracer inference to move beyond single-catchment ecohydrology. Earth-Science Reviews, 2016, 160, 19-42.	9.1	142
250	Temporal changes in the abiotic/biotic drivers of selfpurification in a temperate river. Ecological Engineering, 2016, 94, 275-285.	3.6	16
251	Dissolved Organic Matter in Stream Ecosystems. , 2016, , 241-320.		22
252	Forest Structure Affects the Stoichiometry of Periphyton Primary Producers in Mountain Streams of Northern Patagonia. Ecosystems, 2016, 19, 1225-1239.	3.4	16
253	Persistence, loss and appearance of bacteria upstream and downstream of a river system. Marine and Freshwater Research, 2017, 68, 851.	1.3	11
254	New strategies for measuring rates of environmental processes in rivers, lakes, and estuaries. Freshwater Science, 2017, 36, 453-465.	1.8	16
255	The impact of land use and spatial mediated processes on the water quality in a river system. Science of the Total Environment, 2017, 601-602, 365-373.	8.0	50
256	Conservative and Reactive Solute Dynamics. , 2017, , 129-145.		22
257	Nutrient Limitation and Uptake. , 2017, , 147-171.		50
258	Covariation in patterns of turbulenceâ€driven hyporheic flow and denitrification enhances reachâ€scale nitrogen removal. Water Resources Research, 2017, 53, 6927-6944.	4.2	30
259	Hydrologic connectivity as a framework for understanding biogeochemical flux through watersheds and along fluvial networks. Geomorphology, 2017, 277, 133-144.	2.6	198

#	Article	IF	CITATIONS
260	Featured Collection Introduction: Connectivity of Streams and Wetlands to Downstream Waters. Journal of the American Water Resources Association, 2018, 54, 287-297.	2.4	30
261	Connectivity of Streams and Wetlands to Downstream Waters: An Integrated Systems Framework. Journal of the American Water Resources Association, 2018, 54, 298-322.	2.4	119
262	Physical and Chemical Connectivity of Streams and Riparian Wetlands to Downstream Waters: A Synthesis. Journal of the American Water Resources Association, 2018, 54, 323-345.	2.4	53
263	Nitrate uptake in an agricultural stream estimated from high-frequency, in-situ sensors. Environmental Monitoring and Assessment, 2018, 190, 226.	2.7	11
264	Spatial variability of phosphorus adsorption in surface sediment at channel confluences: Field and laboratory experimental evidence. Journal of Hydro-Environment Research, 2018, 18, 25-36.	2.2	13
265	Rivers as Ecosystems. SpringerBriefs in Environmental Science, 2018, , 11-58.	0.3	O
266	River network saturation concept: factors influencing the balance of biogeochemical supply and demand of river networks. Biogeochemistry, 2018, 141, 503-521.	3.5	96
267	Food matters: Trophodynamics and the role of diet in the invasion success of Procambarus clarkii in an Atlantic Forest conservation area. Limnologica, 2019, 79, 125717.	1.5	10
268	Seeing the light: urban stream restoration affects stream metabolism and nitrate uptake via changes in canopy cover. Ecological Applications, 2019, 29, e01941.	3.8	21
269	Walk partitions of flow in Ecological Network Analysis: Review and synthesis of methods and indicators. Ecological Indicators, 2019, 106, 105451.	6.3	22
270	Functional Structure of River Ecosystems: Retrospective of the Development of Contemporary Concepts (Review). Inland Water Biology, 2019, 12, 1-9.	0.8	4
271	Channelizing Streams for Agricultural Drainage Impairs their Nutrient Removal Capacity. Journal of Environmental Quality, 2019, 48, 459-468.	2.0	10
272	Modeling Benthic Versus Hyporheic Nutrient Uptake in Unshaded Streams With Varying Substrates. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 367-383.	3.0	19
273	A conceptual framework for understanding the biogeochemistry of dry riverbeds through the lens of soil science. Earth-Science Reviews, 2019, 188, 441-453.	9.1	54
274	Lotic Freshwater: Rivers., 2020,, 152-169.		0
275	Headwater Catchments Govern Biogeochemistry in America's Largest Freeâ€Flowing River Network. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005851.	3.0	6
276	Inland Waters. , 2020, , 293-360.		4
277	The River Continuum Concept: lessons from the past and perspectives for the future. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 1853-1864.	1.4	63

#	ARTICLE	IF	Citations
278	Differential responses of macroinvertebrate ionomes across experimental N:P gradients in detritus-based headwater streams. Oecologia, 2020, 193, 981-993.	2.0	7
279	Fieldwork and Nature: Observing, Experimenting and Thinking. , 2020, , 3-46.		0
280	Impacts of Hurricane Disturbance on Water Quality across the Aquatic Continuum of a Blackwater River to Estuary Complex. Journal of Marine Science and Engineering, 2020, 8, 412.	2.6	11
281	Lagrangian tracking measurements revealed the temporal dynamics of nitrogen and phosphorus spiralling in a large Japanese river. Limnology, 2020, 21, 379-391.	1.5	2
282	Reflections on the history of research on large wood in rivers. Earth Surface Processes and Landforms, 2021, 46, 55-66.	2.5	30
283	Wetland Ecosystems and Marine Sustainability. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-13.	0.1	0
284	Biodiversity: Concept, Theories, and Significance in River Ecology., 2021,, 35-185.		1
285	Trophic Interactions and Biogeochemical Cycles in River Ecosystem. , 2021, , 167-234.		1
286	Hydro-modifications matter: Influence of vale transformation on microinvertebrate communities (Rotifera, Cladocera, and Copepoda) of upland rivers. Ecological Indicators, 2021, 122, 107259.	6.3	4
287	Phosphorus Transport in a Lowland Stream Derived from a Tracer Test with 32P. Water (Switzerland), 2021, 13, 1030.	2.7	2
288	Hierarchical Fractional Advection-Dispersion Equation (FADE) to Quantify Anomalous Transport in River Corridor over a Broad Spectrum of Scales: Theory and Applications. Mathematics, 2021, 9, 790.	2.2	3
289	Evaluating Instream Restoration Effectiveness in Reducing Nitrogen Export from an Urban Catchment with a Dataâ€Model Approach. Journal of the American Water Resources Association, 2021, 57, 449-473.	2.4	6
290	Effects of reservoir cascades on diversity, distribution, and abundance of fish assemblages in three Neotropical basins. Science of the Total Environment, 2021, 778, 146246.	8.0	15
291	Understanding Ecosystem Effects of Dams. , 2021, , 287-291.		0
292	Nutrient Dynamics. , 2021, , 383-420.		0
293	Physiography of Rivers: Relevant Hypothesis and Theories. , 2021, , 235-374.		2
294	Nutrient Cycles and Responses to Disturbance. , 1998, , 347-372.		19
295	Organic Matter and Trophic Dynamics. , 1998, , 373-398.		23

#	Article	IF	Citations
296	Management of Aquatic Resources in Large Catchments: Recognizing Interactions Between Ecosystem Connectivity and Environmental Disturbance., 1992,, 91-124.		57
297	Stability of Stream Ecosystems. , 1983, , 355-395.		105
298	Towards a Landscape Ecology of River Valleys. , 1984, , 163-178.		18
299	Phosphorus Spiralling in Rivers and River-Reservoir Systems: Implications of a Model. , 1987, , 303-327.		13
300	The Ecology of Regulated Streams: Past Accomplishments and Directions for Future Research. , 1987, , 391-409.		42
301	Model Predictions of Effects of Impoundment on Particulate Organic Matter Transport in a River System. , 1979, , 339-364.		36
302	Mechanisms of Ion Leaching in Natural and Managed Ecosystems. Ecological Studies, 1983, , 129-144.	1.2	14
303	Rivers and Global Change., 2014,, 263-272.		2
307	Effects of invertebrates in lotic ecosystem processes , 2000, , 73-96.		6
308	Aquatic plant communities for impact monitoring and assessment. , 1997, , 277-305.		3
309	Reviewing carbon spiraling approach to understand organic matter movement and transformation in lotic ecosystems. Acta Limnologica Brasiliensia, 2016, 28, .	0.4	7
310	Variation in summer nitrogen and phosphorus uptake among Siberian headwater streams. Polar Research, 2016, 35, 24571.	1.6	12
312	Slopes: solute processes and landforms. Geological Society Memoir, 0, , M58-2021-5.	1.7	4
314	Effects of Landscape Change on the Physical and Chemical Components of Aquatic Ecosystems. , 2002, , 286-308.		4
315	Rivers-Structure and Functions. Environmental Science and Engineering, 2014, , 9-22.	0.2	1
316	GewÃ s serökologie., 2015,, 107-199.		0
317	Variación espacial y temporal de nutrientes y total de sólidos en suspensión en la cuenca de un rÃo de alta montaña tropical. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2018, 42, 353.	0.2	1
321	Organic carbon spiraling in an Idaho river. Aquatic Sciences, 2005, 67, 424-433.	1.5	4

#	Article	IF	CITATIONS
322	Modeling the potential effects of climate change on leaf pack processing in central Appalachian streams. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1773-1783.	1.4	1
323	Fluvial nutrient dynamics in a humanized landscape. Insights from a hierarchical perspective. , 2006, 25, 513-526.		7
324	Nutrient limitation in Atlantic salmon rivers and streams: Causes, consequences, and management strategies. Aquatic Conservation: Marine and Freshwater Ecosystems, 2022, 32, 1073-1091.	2.0	4
325	Nutrient limitation affects biofilm enzymatic activities in a glacier-fed river. Hydrobiologia, 2022, 849, 2877-2894.	2.0	4
326	The Nutrient Spiraling Concept. , 2022, , 244-248.		13
327	Wetland Ecosystems and Marine Sustainability. Encyclopedia of the UN Sustainable Development Goals, 2022, , 1097-1110.	0.1	0
328	A Networkâ€Scale Modeling Framework for Stream Metabolism, Ecosystem Efficiency, and Their Response to Climate Change. Water Resources Research, 2023, 59, .	4.2	2
329	Ecosystem bioelement variability is associated with freshwater animal aggregations at the aquatic-terrestrial interface. Oecologia, 0 , , .	2.0	O
330	The Nitrogen Cycle. , 2024, , 325-357.		0
331	The seasonal and spatial variability of ammonium uptake in a hilly watershed. Frontiers in Earth Science, $0,11,.$	1.8	0
332	Improving in-stream nutrient retention potential through factitious manipulation: the stepping stone structures of flying-geese pattern and their reinforcement structures. Environmental Science and Pollution Research, 2023, 30, 115585-115599.	5.3	0