

Robert Howarth

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186
papers

36,631
citations

72
h-index

191
g-index

210
ext. papers

40,580
ext. citations

6.5
avg, IF

7.21
L-index

#	Paper	IF	Citations
186	Nitrogen Cycles: Past, Present, and Future. <i>Biogeochemistry</i> , 2004 , 70, 153-226	3.8	3493
185	NONPOINT POLLUTION OF SURFACE WATERS WITH PHOSPHORUS AND NITROGEN 1998 , 8, 559-568		3425
184	Forecasting agriculturally driven global environmental change. <i>Science</i> , 2001 , 292, 281-4	33.3	2520
183	Ecology. Controlling eutrophication: nitrogen and phosphorus. <i>Science</i> , 2009 , 323, 1014-5	33.3	2331
182	Nitrogen limitation on land and in the sea: How can it occur?. <i>Biogeochemistry</i> , 1991 , 13, 87	3.8	2289
181	The Nitrogen Cascade. <i>BioScience</i> , 2003 , 53, 341	5.7	1856
180	Regional nitrogen budgets and riverine N & P fluxes for the drainages to the North Atlantic Ocean: Natural and human influences. <i>Biogeochemistry</i> , 1996 , 35, 75-139	3.8	1206
179	Nitrogen as the limiting nutrient for eutrophication in coastal marine ecosystems: Evolving views over three decades. <i>Limnology and Oceanography</i> , 2006 , 51, 364-376	4.8	879
178	Methane and the greenhouse-gas footprint of natural gas from shale formations. <i>Climatic Change</i> , 2011 , 106, 679-690	4.5	824
177	HUMAN ALTERATION OF THE GLOBAL NITROGEN CYCLE: SOURCES AND CONSEQUENCES 1997 , 7, 737-750		763
176	Reconciling Carbon-cycle Concepts, Terminology, and Methods. <i>Ecosystems</i> , 2006 , 9, 1041-1050	3.9	754
175	Global patterns of terrestrial biological nitrogen (N ₂) fixation in natural ecosystems. <i>Global Biogeochemical Cycles</i> , 1999 , 13, 623-645	5.9	665
174	Nutrient Limitation of Net Primary Production in Marine Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1988 , 19, 89-110		624
173	Towards an ecological understanding of biological nitrogen fixation. <i>Biogeochemistry</i> , 2002 , 57, 1-45	3.8	608
172	Climate change impacts on U.S. Coastal and Marine Ecosystems. <i>Estuaries and Coasts</i> , 2002 , 25, 149-164		518
171	Coastal nitrogen pollution: A review of sources and trends globally and regionally. <i>Harmful Algae</i> , 2008 , 8, 14-20	5.3	503
170	Coupled biogeochemical cycles: eutrophication and hypoxia in temperate estuaries and coastal marine ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2011 , 9, 18-26	5.5	485

169	Anthropogenic nitrogen sources and relationships to riverine nitrogen export in the northeastern U.S.A.. <i>Biogeochemistry</i> , 2002 , 57, 137-169	3.8	461
168	Multiple stable isotopes used to trace the flow of organic matter in estuarine food webs. <i>Science</i> , 1985 , 227, 1361-3	33.3	458
167	Eutrophication of freshwater and marine ecosystems. <i>Limnology and Oceanography</i> , 2006 , 51, 351-355	4.8	427
166	Natural gas: Should fracking stop?. <i>Nature</i> , 2011 , 477, 271-5	50.4	411
165	Sources of nutrient pollution to coastal waters in the United States: Implications for achieving coastal water quality goals. <i>Estuaries and Coasts</i> , 2002 , 25, 656-676		388
164	Potential climate-change impacts on the Chesapeake Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2010 , 86, 1-20	2.9	337
163	Nitrogen retention in rivers: model development and application to watersheds in the northeastern U.S.A.. <i>Biogeochemistry</i> , 2002 , 57, 199-237	3.8	327
162	Sources of nitrate in rivers draining sixteen watersheds in the northeastern U.S.: Isotopic constraints. <i>Biogeochemistry</i> , 2002 , 57, 171-197	3.8	325
161	Sulfur, carbon, and nitrogen isotopes used to trace organic matter flow in the salt-marsh estuaries of Sapelo Island, Georgia ¹ . <i>Limnology and Oceanography</i> , 1987 , 32, 1195-1213	4.8	320
160	Human health effects of a changing global nitrogen cycle. <i>Frontiers in Ecology and the Environment</i> , 2003 , 1, 240-246	5.5	304
159	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Rates and importance. <i>Limnology and Oceanography</i> , 1988 , 33, 669-687	4.8	284
158	Nitrogen use in the United States from 1961-2000 and potential future trends. <i>Ambio</i> , 2002 , 31, 88-96	6.5	277
157	Sulfate reduction in a New England salt marsh ¹ . <i>Limnology and Oceanography</i> , 1979 , 24, 999-1013	4.8	265
156	Where did all the nitrogen go? Fate of nitrogen inputs to large watersheds in the northeastern U.S.A.. <i>Biogeochemistry</i> , 2002 , 57, 267-293	3.8	250
155	Pyrite: its rapid formation in a salt marsh and its importance in ecosystem metabolism. <i>Science</i> , 1979 , 203, 49-51	33.3	244
154	Oxidation-reduction potentials in a salt marsh: Spatial patterns and interactions with primary production ¹ . <i>Limnology and Oceanography</i> , 1981 , 26, 350-360	4.8	234
153	Nitrogen fluxes from the landscape are controlled by net anthropogenic nitrogen inputs and by climate. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 37-43	5.5	233
152	Toward a better understanding and quantification of methane emissions from shale gas development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6237-42	11.5	223

151	The ecological significance of sulfur in the energy dynamics of salt marsh and coastal marine sediments. <i>Biogeochemistry</i> , 1984 , 1, 5-27	3.8	203
150	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Biogeochemical controls. <i>Limnology and Oceanography</i> , 1988 , 33, 688-701	4.8	197
149	Formation of ³⁵ S-labelled elemental sulfur and pyrite in coastal marine sediments (Limfjorden and Kysing Fjord, Denmark) during short-term ³⁵ SO ₄ ²⁻ reduction measurements. <i>Geochimica Et Cosmochimica Acta</i> , 1984 , 48, 1807-1818	5.5	195
148	Molybdenum availability, nitrogen limitation, and phytoplankton growth in natural waters. <i>Science</i> , 1985 , 229, 653-5	33.3	193
147	Riverine nitrogen export from the continents to the coasts. <i>Global Biogeochemical Cycles</i> , 2006 , 20, n/a-n/a	17.3	191
146	The impact of accelerating land-use change on the N-Cycle of tropical aquatic ecosystems: Current conditions and projected changes. <i>Biogeochemistry</i> , 1999 , 46, 109-148	3.8	191
145	A bridge to nowhere: methane emissions and the greenhouse gas footprint of natural gas. <i>Energy Science and Engineering</i> , 2014 , 2, 47-60	3.4	176
144	Linking environmental nutrient enrichment and disease emergence in humans and wildlife 2010 , 20, 16-29		172
143	Oil spill studies: A review of ecological effects. <i>Environmental Management</i> , 1984 , 8, 27-43	3.1	171
142	Atmospheric Deposition of Nitrogen Oxides onto the Landscape Contributes to Coastal Eutrophication in the Northeast United States. <i>Environmental Science & Technology</i> , 1997 , 31, 1995-2004	10.3	150
141	Soil-plant interactions in a neotropical mangrove forest: iron, phosphorus and sulfur dynamics. <i>Oecologia</i> , 1998 , 115, 553-563	2.9	138
140	Porewater evidence for a dynamic sedimentary iron cycle in salt marshes ¹ . <i>Limnology and Oceanography</i> , 1984 , 29, 47-63	4.8	136
139	Rapid Communication: Climatic Control on Eutrophication of the Hudson River Estuary. <i>Ecosystems</i> , 2000 , 3, 210-215	3.9	135
138	Forms and availability of sediment phosphorus in carbonate sand of Bermuda seagrass beds. <i>Limnology and Oceanography</i> , 1998 , 43, 799-810	4.8	128
137	Carbon, nitrogen, and phosphorus dynamics during leaf decay in nutrient-enriched stream microecosystems. <i>Freshwater Biology</i> , 1976 , 6, 221-228	3.1	120
136	Sulfur and Carbon Isotopes as Tracers of Salt-Marsh Organic Matter Flow. <i>Ecology</i> , 1986 , 67, 865-874	4.6	113
135	Examining the feasibility of converting New York State's all-purpose energy infrastructure to one using wind, water, and sunlight. <i>Energy Policy</i> , 2013 , 57, 585-601	7.2	111
134	Net anthropogenic nitrogen inputs to watersheds and riverine N export to coastal waters: a brief overview. <i>Current Opinion in Environmental Sustainability</i> , 2012 , 4, 203-211	7.2	110

133	Pyrite and oxidized iron mineral phases formed from pyrite oxidation in salt marsh and estuarine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1982 , 46, 2665-2669	5.5	110
132	The new gold rush: fueling ethanol production while protecting water quality. <i>Journal of Environmental Quality</i> , 2008 , 37, 318-24	3.4	109
131	Sulfate reduction in the salt marshes at Sapelo Island, Georgia ¹ . <i>Limnology and Oceanography</i> , 1983 , 28, 70-82	4.8	109
130	Metabolism and organic carbon fluxes in the tidal freshwater Hudson River. <i>Estuaries and Coasts</i> , 1996 , 19, 848		104
129	Evaluating regional variation of net anthropogenic nitrogen and phosphorus inputs (NANI/NAPI), major drivers, nutrient retention pattern and management implications in the multinational areas of Baltic Sea basin. <i>Ecological Modelling</i> , 2012 , 227, 117-135	3	102
128	Inputs of Sediment and Carbon to an Estuarine Ecosystem: Influence of Land Use 1991 , 1, 27-39		102
127	Sulfur, iron and organic carbon fluxes in the Black Sea: sulfur isotopic evidence for origin of sulfur fluxes. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1991 , 38, S1151-S1187		101
126	An assessment of human influences on fluxes of nitrogen from the terrestrial landscape to the estuaries and continental shelves of the North Atlantic Ocean. <i>Nutrient Cycling in Agroecosystems</i> , 1998 , 52, 213-223	3.3	98
125	Characterization of nutrient, organic carbon, and sediment loads and concentrations from the Mississippi River into the northern Gulf of Mexico. <i>Estuaries and Coasts</i> , 2007 , 30, 773-790	2.8	98
124	Pyrite formation and the measurement of sulfate reduction in salt marsh sediments ¹ . <i>Limnology and Oceanography</i> , 1984 , 29, 598-608	4.8	95
123	Energy Flow in a Salt Marsh Ecosystem: The Role of Reduced Inorganic Sulfur Compounds. <i>American Naturalist</i> , 1980 , 116, 862-872	3.7	93
122	POTENTIAL EFFECTS OF CLIMATE CHANGE ON FRESHWATER ECOSYSTEMS OF THE NEW ENGLAND/MID-ATLANTIC REGION 1997 , 11, 925-947		91
121	Nitrogen and phosphorus budgets of the North Atlantic Ocean and its watershed. <i>Biogeochemistry</i> , 1996 , 35, 3-25	3.8	89
120	Atmospheric oxygen exchange in the Hudson River: Dome measurements and comparison with other natural waters. <i>Estuaries and Coasts</i> , 1993 , 16, 433		85
119	Sterols in decomposing <i>Spartina alterniflora</i> and the use of ergosterol in estimating the contribution of fungi to detrital nitrogen ¹ . <i>Limnology and Oceanography</i> , 1980 , 25, 290-303	4.8	85
118	Estimating net anthropogenic nitrogen inputs to U.S. watersheds: comparison of methodologies. <i>Environmental Science & Technology</i> , 2013 , 47, 5199-207	10.3	84
117	A toolbox for calculating net anthropogenic nitrogen inputs (NANI). <i>Environmental Modelling and Software</i> , 2011 , 26, 623-633	5.2	80
116	Eddy correlation measurements of oxygen fluxes in permeable sediments exposed to varying current flow and light. <i>Limnology and Oceanography</i> , 2013 , 58, 1329-1343	4.8	72

115	Coastal marine eutrophication: Control of both nitrogen and phosphorus is necessary. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, E103; author reply E104	11.5	70
114	Fixing the global nitrogen problem. <i>Scientific American</i> , 2010 , 302, 64-71	0.5	68
113	Human activities changing the nitrogen cycle in Brazil. <i>Biogeochemistry</i> , 2006 , 79, 61-89	3.8	65
112	Changes in anthropogenic nitrogen and phosphorus inputs to the St. Lawrence sub-basin over 110 years and impacts on riverine export. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 1000-1014	5.9	65
111	How green is blue hydrogen?. <i>Energy Science and Engineering</i> , 2021 , 9, 1676	3.4	63
110	Venting and leaking of methane from shale gas development: response to Cathles et al.. <i>Climatic Change</i> , 2012 , 113, 537-549	4.5	62
109	Nitrogen use efficiency and crop production: Patterns of regional variation in the United States, 1987-2012. <i>Science of the Total Environment</i> , 2018 , 635, 498-511	10.2	57
108	Nitrogen as a threat to European water quality379-404		57
107	Sulfur storage and alkalinity generation in New England lake sediments. <i>Limnology and Oceanography</i> , 1990 , 35, 852-869	4.8	56
106	Reducing agricultural nutrient surpluses in a large catchment - Links to livestock density. <i>Science of the Total Environment</i> , 2019 , 648, 1549-1559	10.2	55
105	Regional nitrogen budgets and riverine N & P fluxes for the drainages to the North Atlantic Ocean: Natural and human influences 1996 , 75-139		52
104	Ideas and perspectives: is shale gas a major driver of recent increase in global atmospheric methane?. <i>Biogeosciences</i> , 2019 , 16, 3033-3046	4.6	49
103	Nitrogen cycling and anthropogenic impact in the tropical interamerican seas. <i>Biogeochemistry</i> , 1999 , 46, 163-178	3.8	49
102	Ocean urea fertilization for carbon credits poses high ecological risks. <i>Marine Pollution Bulletin</i> , 2008 , 56, 1049-56	6.7	48
101	Enhanced N input to Lake Dianchi Basin from 1980 to 2010: drivers and consequences. <i>Science of the Total Environment</i> , 2015 , 505, 376-84	10.2	47
100	Bloom formation in heterocystic nitrogen-fixing cyanobacteria: The dependence on colony size and zooplankton grazing. <i>Limnology and Oceanography</i> , 2004 , 49, 2171-2178	4.8	47
99	A roadmap for repowering California for all purposes with wind, water, and sunlight. <i>Energy</i> , 2014 , 73, 875-889	7.9	46
98	Nitrogen flows from European regional watersheds to coastal marine waters271-297		45

97	Sources of reactive nitrogen affecting ecosystems in Latin America and the Caribbean: current trends and future perspectives. <i>Biogeochemistry</i> , 2006 , 79, 3-24	3.8	45
96	A Century of Legacy Phosphorus Dynamics in a Large Drainage Basin. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 1107-1122	5.9	42
95	Methane emissions and climatic warming risk from hydraulic fracturing and shale gas development: implications for policy. <i>Energy and Emission Control Technologies</i> , 2015 , 45		41
94	Molybdenum assimilation by cyanobacteria and phytoplankton in freshwater and salt water. <i>Limnology and Oceanography</i> , 1993 , 38, 25-35	4.8	41
93	A novel approach for estimating ecosystem production and respiration in estuaries: Application to the oligohaline and mesohaline Hudson River. <i>Limnology and Oceanography</i> , 1999 , 44, 1509-1521	4.8	40
92	Roads as nitrogen deposition hot spots. <i>Biogeochemistry</i> , 2013 , 114, 149-163	3.8	39
91	Ecological and Biogeochemical Interactions Constrain Planktonic Nitrogen Fixation in Estuaries. <i>Ecosystems</i> , 2002 , 5, 719-725	3.9	37
90	Molybdenum and sulfate as controls on the abundance of nitrogen-fixing cyanobacteria in saline lakes in Alberta. <i>Limnology and Oceanography</i> , 1990 , 35, 245-259	4.8	37
89	Nitrogen retention in rivers: model development and application to watersheds in the northeastern U.S.A. 2002 , 199-237		37
88	Estimating net anthropogenic nitrogen inputs (NANI) in the Lake Dianchi basin of China. <i>Biogeosciences</i> , 2014 , 11, 4577-4586	4.6	32
87	Sulfate inhibition of molybdate assimilation by planktonic algae and bacteria: some implications for the aquatic nitrogen cycle. <i>Biogeochemistry</i> , 1986 , 2, 179-196	3.8	32
86	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Rates and importance1. <i>Limnology and Oceanography</i> , 1988 , 33, 669-687	4.8	32
85	Nitrogen fixation in Flax Pond: A Long Island salt marsh1. <i>Limnology and Oceanography</i> , 1975 , 20, 640-643	3.8	32
84	Sulfate inhibition of molybdenum-dependent nitrogen fixation by planktonic cyanobacteria under seawater conditions: a non-reversible effect. <i>Hydrobiologia</i> , 2003 , 500, 277-293	2.4	31
83	Do top-down and bottom-up controls interact to exclude nitrogen-fixing cyanobacteria from the plankton of estuaries? An exploration with a simulation model. <i>Biogeochemistry</i> , 1999 , 46, 203-231	3.8	31
82	Early diagenesis of organic matter in sediments off the coast of Peru. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1985 , 32, 43-55		31
81	Nitrogen in Runoff from Residential Roads in a Coastal Area. <i>Water, Air, and Soil Pollution</i> , 2010 , 210, 3-13	2.6	30
80	Modeling water, sediment and organic carbon discharges in the Hudson-Mohawk basin: Coupling to terrestrial sources. <i>Estuaries and Coasts</i> , 1996 , 19, 833		30

79	Anthropogenic point-source and non-point-source nitrogen inputs into Huai River basin and their impacts on riverine ammonia–nitrogen flux. <i>Biogeosciences</i> , 2015 , 12, 4275-4289	4.6	29
78	Eutrophication: Time to Adjust Expectations--Response. <i>Science</i> , 2009 , 324, 724-725	33.3	29
77	Opportunities to reduce nutrient inputs to the Baltic Sea by improving manure use efficiency in agriculture. <i>Regional Environmental Change</i> , 2018 , 18, 1843-1854	4.3	28
76	Nutrient limitation of the macroalga, <i>Penicillus capitatus</i> , associated with subtropical seagrass meadows in Bermuda. <i>Estuaries and Coasts</i> , 1992 , 15, 18		28
75	Towards an ecological understanding of biological nitrogen fixation 2002 , 1-45		28
74	Metabolism of a nitrogen-enriched coastal marine lagoon during the summertime. <i>Biogeochemistry</i> , 2014 , 118, 1-20	3.8	26
73	Net anthropogenic phosphorus inputs and riverine phosphorus fluxes in highly populated headwater watersheds in China. <i>Biogeochemistry</i> , 2015 , 126, 269-283	3.8	26
72	Anthropogenic nitrogen sources and relationships to riverine nitrogen export in the northeastern U.S.A. 2002 , 137-169		26
71	THE REGULATION OF DECOMPOSITION AND HETEROTROPHIC MICROBIAL ACTIVITY IN SALT MARSH SOILS: A REVIEW 1982 , 183-207		26
70	Historical changes in the food and water supply systems of the New York City Metropolitan Area. <i>Regional Environmental Change</i> , 2012 , 12, 363-380	4.3	24
69	The role of technology and policy in mitigating regional nitrogen pollution. <i>Environmental Research Letters</i> , 2011 , 6, 014011	6.2	24
68	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 2. Biogeochemical controls1. <i>Limnology and Oceanography</i> , 1988 , 33, 688-701	4.8	24
67	Exchange of Nitrogen and Phosphorus Between a Shallow Lagoon and Coastal Waters. <i>Estuaries and Coasts</i> , 2014 , 37, 63-73	2.8	23
66	Seasonal differences in <i>Spartina</i> recoverable underground reserves in the Great Sippewissett marsh in Massachusetts. <i>Estuarine, Coastal and Shelf Science</i> , 1987 , 25, 313-319	2.9	23
65	Nitrogen cycling and anthropogenic impact in the tropical interamerican seas. <i>Biogeochemistry</i> , 1999 , 46, 163-178	3.8	22
64	Greenhouse gas emissions from domestic hot water: heat pumps compared to most commonly used systems. <i>Energy Science and Engineering</i> , 2016 , 4, 123-133	3.4	21
63	Modeling future scenarios of light attenuation and potential seagrass success in a eutrophic estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2014 , 149, 13-23	2.9	20
62	Tidal and Groundwater Fluxes to a Shallow, Microtidal Estuary: Constraining Inputs Through Field Observations and Hydrodynamic Modeling. <i>Estuaries and Coasts</i> , 2012 , 35, 1285-1298	2.8	20

61	Influence of rapid rural-urban population migration on riverine nitrogen pollution: perspective from ammonia-nitrogen. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27201-27214	5.1	18
60	Phosphorus use efficiency and crop production: Patterns of regional variation in the United States, 1987-2012. <i>Science of the Total Environment</i> , 2019 , 685, 174-188	10.2	18
59	Sources of nitrate in rivers draining sixteen watersheds in the northeastern U.S.: Isotopic constraints 2002 , 171-197		18
58	Nitrogen Fluxes from Rivers to the Coastal Oceans 2008 , 1565-1587		17
57	Nutrient and light availability regulate the relative contribution of autotrophs and heterotrophs to respiration in freshwater pelagic ecosystems. <i>Limnology and Oceanography</i> , 2006 , 51, 288-298	4.8	17
56	Atmospheric ammonia measurements at low concentration sites in the northeastern USA: implications for total nitrogen deposition and comparison with CMAQ estimates. <i>Biogeochemistry</i> , 2015 , 122, 191-210	3.8	16
55	The effects of grazing by the snail, <i>Lymnaea elodes</i> , on benthic N ₂ fixation and primary production in oligotrophic, arctic lakes. <i>Limnology and Oceanography</i> , 2007 , 52, 2398-2409	4.8	16
54	The Measurement of Primary Production in Aquatic Ecosystems 2000 , 72-85		16
53	Evaluating anthropogenic N inputs to diverse lake basins: A case study of three Chinese lakes. <i>Ambio</i> , 2015 , 44, 635-46	6.5	15
52	Speciation of Dissolved Sulfur in Salt Marshes by Polarographic Methods. <i>ACS Symposium Series</i> , 1986 , 340-355	0.4	15
51	Anthropogenic Phosphorus Inputs to a River Basin and Their Impacts on Phosphorus Fluxes Along Its Upstream-Downstream Continuum. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 3273-3287 ¹⁴	3.7	14
50	Comparative Responses of Aquatic Ecosystems to Toxic Chemical Stress 1991 , 169-195		13
49	A system dynamics model for managing regional N inputs from human activities. <i>Ecological Modelling</i> , 2016 , 322, 82-91	3	12
48	Nitrogen-fixing cyanobacteria in the plankton of lakes and estuaries: A reply to the comment by Smith. <i>Limnology and Oceanography</i> , 1990 , 35, 1859-1863	4.8	12
47	Comparison of production-phase environmental impact metrics derived at the farm- and national-scale for United States agricultural commodities. <i>Environmental Research Letters</i> , 2015 , 10, 114004	6.2	11
46	Controls of Benthic Nitrogen Fixation and Primary Production from Nutrient Enrichment of Oligotrophic, Arctic Lakes. <i>Ecosystems</i> , 2013 , 16, 1550-1564	3.9	11
45	The influence of climate on average nitrogen export from large watersheds in the Northeastern United States 2006 , 163-186		10
44	Do top-down and bottom-up controls interact to exclude nitrogen-fixing cyanobacteria from the plankton of estuaries? An exploration with a simulation model. <i>Biogeochemistry</i> , 1999 , 46, 203-231	3.8	9

43	HUMAN ALTERATION OF THE GLOBAL NITROGEN CYCLE: SOURCES AND CONSEQUENCES 1997 , 7, 737		9
42	Human acceleration of the nitrogen cycle: drivers, consequences, and steps toward solutions. <i>Water Science and Technology</i> , 2004 , 49, 7-13	2.2	9
41	Wastewater and Watershed Influences on Primary Productivity and Oxygen Dynamics in the Lower Hudson River Estuary 121-139		8
40	County, subregional and regional nitrogen data derived from the Net Anthropogenic Nitrogen Inputs (NANI) toolbox. <i>Data in Brief</i> , 2018 , 18, 1877-1888	1.2	8
39	Turbulence does not prevent nitrogen fixation by plankton in estuaries and coastal seas (reply to the comment by Paerl et al.). <i>Limnology and Oceanography</i> , 1995 , 40, 639-643	4.8	7
38	Nitrogen Biogeochemistry of an Urban Rooftop Farm. <i>Frontiers in Ecology and Evolution</i> , 2018 , 6,	3.7	7
37	Determining the Ecological Effects of Oil Pollution in Marine Ecosystems 1989 , 69-97		7
36	NONPOINT POLLUTION OF SURFACE WATERS WITH PHOSPHORUS AND NITROGEN 1998 , 8, 559		6
35	Biological Nitrogen Fixation Does Not Replace Nitrogen Losses After Forest Fires in the Southeastern Amazon. <i>Ecosystems</i> , 2020 , 23, 1037-1055	3.9	6
34	Methane emissions from fossil fuels: exploring recent changes in greenhouse-gas reporting requirements for the State of New York. <i>Journal of Integrative Environmental Sciences</i> , 2020 , 17, 69-81	3	6
33	Role of external inputs of nutrients to aquatic ecosystems in determining prevalence of nitrogen vs. phosphorus limitation of net primary productivity. <i>Biogeochemistry</i> , 2021 , 154, 293-306	3.8	6
32	Natural atmospheric deposition of molybdenum: a global model and implications for tropical forests. <i>Biogeochemistry</i> , 2020 , 149, 159-174	3.8	5
31	Understanding Nutrient Cycling and Sediment Sources in the Upper Susquehanna River Basin. <i>Journal of Contemporary Water Research and Education</i> , 2008 , 138, 7-14	1.2	5
30	Sulfate inhibition of molybdenum-dependent nitrogen fixation by planktonic cyanobacteria under sea water conditions: a non-reversible effect 2003 , 277-293		5
29	The impact of accelerating land-use change on the N-Cycle of tropical aquatic ecosystems: Current conditions and projected changes 1999 , 109-148		4
28	Human health effects of a changing global nitrogen cycle 2003 , 1, 240		4
27	Human activities changing the nitrogen cycle in Brazil 2006 , 61-89		4
26	County, subregional and regional phosphorus data derived from the net anthropogenic nitrogen/phosphorus inputs (NANI/NAPI) toolbox. <i>Data in Brief</i> , 2019 , 25, 104265	1.2	3

25	Estimating Atmospheric Nitrogen Deposition in the Northeastern United States: Relevance to Narragansett Bay 2008 , 47-65		3
24	Where did all the nitrogen go? Fate of nitrogen inputs to large watersheds in the northeastern U.S.A. 2002 , 267-293		3
23	Nitrogen, Nitrogen Cycle 2001 , 377-388		3
22	Why Is Planktonic Nitrogen Fixation So Rare in Coastal Marine Ecosystems? Insights from a Cross-Systems Approach 2016 , 127-139		3
21	Response to comment on paper examining the feasibility of changing New York state's energy infrastructure to one derived from wind, water, and sunlight. <i>Energy Policy</i> , 2013 , 62, 1212-1215	7.2	2
20	A reply to the comment by Stauffer. <i>Limnology and Oceanography</i> , 1991 , 36, 1265-1271	4.8	2
19	Estimating net anthropogenic nitrogen inputs (NANI) in the Lake Dianchi Basin of China		2
18	Molybdenum, phosphorus, and pH do not constrain nitrogen fixation in a tropical forest in the southeastern Amazon. <i>Ecology</i> , 2021 , 102, e03211	4.6	2
17	Anthropogenic point and non-point nitrogen inputs into Huai River Basin and their impacts on riverine ammonia-nitrogen flux		1
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