

Robert Howarth

List of Publications by Year in descending order

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185
papers

46,763
citations

7568

77
h-index

8396

147
g-index

210
all docs

210
docs citations

210
times ranked

37068
citing authors

#	ARTICLE	IF	CITATIONS
1	NONPOINT POLLUTION OF SURFACE WATERS WITH PHOSPHORUS AND NITROGEN. , 1998, 8, 559-568.		4,255
2	Nitrogen Cycles: Past, Present, and Future. Biogeochemistry, 2004, 70, 153-226.	3.5	4,203
3	Forecasting Agriculturally Driven Global Environmental Change. Science, 2001, 292, 281-284.	12.6	3,068
4	Controlling Eutrophication: Nitrogen and Phosphorus. Science, 2009, 323, 1014-1015.	12.6	2,998
5	Nitrogen limitation on land and in the sea: How can it occur?. Biogeochemistry, 1991, 13, 87.	3.5	2,801
6	The Nitrogen Cascade. BioScience, 2003, 53, 341.	4.9	2,278
7	HUMAN ALTERATION OF THE GLOBAL NITROGEN CYCLE: SOURCES AND CONSEQUENCES. , 1997, 7, 737-750.		1,682
8	Regional nitrogen budgets and riverine N & P fluxes for the drainages to the North Atlantic Ocean: Natural and human influences. Biogeochemistry, 1996, 35, 75-139.	3.5	1,300
9	Nitrogen as the limiting nutrient for eutrophication in coastal marine ecosystems: Evolving views over three decades. Limnology and Oceanography, 2006, 51, 364-376.	3.1	1,124
10	Methane and the greenhouse-gas footprint of natural gas from shale formations. Climatic Change, 2011, 106, 679-690.	3.6	1,035
11	Reconciling Carbon-cycle Concepts, Terminology, and Methods. Ecosystems, 2006, 9, 1041-1050.	3.4	904
12	Global patterns of terrestrial biological nitrogen (N ₂) fixation in natural ecosystems. Global Biogeochemical Cycles, 1999, 13, 623-645.	4.9	811
13	Towards an ecological understanding of biological nitrogen fixation. Biogeochemistry, 2002, 57, 1-45.	3.5	719
14	Nutrient Limitation of Net Primary Production in Marine Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 1988, 19, 89-110.	6.7	692
15	Coastal nitrogen pollution: A review of sources and trends globally and regionally. Harmful Algae, 2008, 8, 14-20.	4.8	683
16	Coupled biogeochemical cycles: eutrophication and hypoxia in temperate estuaries and coastal marine ecosystems. Frontiers in Ecology and the Environment, 2011, 9, 18-26.	4.0	656
17	Climate change impacts on U.S. Coastal and Marine Ecosystems. Estuaries and Coasts, 2002, 25, 149-164.	1.7	622
18	Multiple Stable Isotopes Used to Trace the Flow of Organic Matter in Estuarine Food Webs. Science, 1985, 227, 1361-1363.	12.6	547

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19	Eutrophication of freshwater and marine ecosystems. <i>Limnology and Oceanography</i> , 2006, 51, 351-355.	3.1	535
20	Title is missing!. <i>Biogeochemistry</i> , 2002, 57, 137-169.	3.5	516
21	Should fracking stop?. <i>Nature</i> , 2011, 477, 271-275.	27.8	477
22	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.	1.7	466
23	Sulfur, carbon, and nitrogen isotopes used to trace organic matter flow in the salt-marsh estuaries of Sapelo Island, Georgia1. <i>Limnology and Oceanography</i> , 1987, 32, 1195-1213.	3.1	431
24	Potential climate-change impacts on the Chesapeake Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2010, 86, 1-20.	2.1	415
25	Title is missing!. <i>Biogeochemistry</i> , 2002, 57, 199-237.	3.5	403
26	Title is missing!. <i>Biogeochemistry</i> , 2002, 57, 171-197.	3.5	396
27	Human health effects of a changing global nitrogen cycle. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 240-246.	4.0	370
28	How green is blue hydrogen?. <i>Energy Science and Engineering</i> , 2021, 9, 1676-1687.	4.0	357
29	Sulfate reduction in a New England salt marsh1. <i>Limnology and Oceanography</i> , 1979, 24, 999-1013.	3.1	350
30	Nitrogen Use in the United States from 1961-2000 and Potential Future Trends. <i>Ambio</i> , 2002, 31, 88-96.	5.5	334
31	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Rates and importance. <i>Limnology and Oceanography</i> , 1988, 33, 669-687.	3.1	325
32	Oxidation-reduction potentials in a salt marsh: Spatial patterns and interactions with primary production1. <i>Limnology and Oceanography</i> , 1981, 26, 350-360.	3.1	320
33	Title is missing!. <i>Biogeochemistry</i> , 2002, 57, 267-293.	3.5	298
34	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, 6237-6242.	7.1	296
35	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.	4.0	281
36	Pyrite: Its Rapid Formation in a Salt Marsh and Its Importance in Ecosystem Metabolism. <i>Science</i> , 1979, 203, 49-51.	12.6	277

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37	A bridge to nowhere: methane emissions and the greenhouse gas footprint of natural gas. <i>Energy Science and Engineering</i> , 2014, 2, 47-60.	4.0	274
38	Regional nitrogen budgets and riverine N & P fluxes for the drainages to the North Atlantic Ocean: Natural and human influences. , 1996, , 75-139.		264
39	The ecological significance of sulfur in the energy dynamics of salt marsh and coastal marine sediments. <i>Biogeochemistry</i> , 1984, 1, 5-27.	3.5	243
40	Riverine nitrogen export from the continents to the coasts. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	4.9	239
41	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Biogeochemical controls. <i>Limnology and Oceanography</i> , 1988, 33, 688-701.	3.1	236
42	Oil spill studies: A review of ecological effects. <i>Environmental Management</i> , 1984, 8, 27-43.	2.7	220
43	Molybdenum Availability, Nitrogen Limitation, and Phytoplankton Growth in Natural Waters. <i>Science</i> , 1985, 229, 653-655.	12.6	219
44	Formation of 35S-labelled elemental sulfur and pyrite in coastal marine sediments (Limfjorden and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Cosmochimica Acta, 1984, 48, 1807-1818.	3.9	218
45	Linking environmental nutrient enrichment and disease emergence in humans and wildlife. <i>Ecological Applications</i> , 2010, 20, 16-29.	3.8	213
46	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.	3.5	209
47	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.	10.0	186
48	Porewater evidence for a dynamic sedimentary iron cycle in salt marshes1. <i>Limnology and Oceanography</i> , 1984, 29, 47-63.	3.1	176
49	Rapid Communication: Climatic Control on Eutrophication of the Hudson River Estuary. <i>Ecosystems</i> , 2000, 3, 210-215.	3.4	173
50	Forms and availability of sediment phosphorus in carbonate sand of Bermuda seagrass beds. <i>Limnology and Oceanography</i> , 1998, 43, 799-810.	3.1	166
51	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.	8.8	162
52	Soil-plant interactions in a neotropical mangrove forest: iron, phosphorus and sulfur dynamics. <i>Oecologia</i> , 1998, 115, 553-563.	2.0	159
53	Sulfur and Carbon Isotopes as Tracers of Salt-Marsh Organic Matter Flow. <i>Ecology</i> , 1986, 67, 865-874.	3.2	154
54	Sulfate reduction in the salt marshes at Sapelo Island, Georgia1. <i>Limnology and Oceanography</i> , 1983, 28, 70-82.	3.1	149

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55	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.	6.3	145
56	Carbon, nitrogen, and phosphorus dynamics during leaf decay in nutrient-enriched stream microecosystems. <i>Freshwater Biology</i> , 1976, 6, 221-228.	2.4	142
57	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 1. Rates and importance1. <i>Limnology and Oceanography</i> , 1988, 33, 669-687.	3.1	137
58	Inputs of Sediment and Carbon to an Estuarine Ecosystem: Influence of Land Use. , 1991, 1, 27-39.		129
59	Metabolism and Organic Carbon Fluxes in the Tidal Freshwater Hudson River. <i>Estuaries and Coasts</i> , 1996, 19, 848.	1.7	128
60	Pyrite formation and the measurement of sulfate reduction in salt marsh sediments1. <i>Limnology and Oceanography</i> , 1984, 29, 598-608.	3.1	127
61	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 1998, 52, 213-223.	2.2	125
62	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.	2.5	125
63	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.	3.9	124
64	The New Gold Rush: Fueling Ethanol Production while Protecting Water Quality. <i>Journal of Environmental Quality</i> , 2008, 37, 318-324.	2.0	122
65	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.	1.5	118
66	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.	2.2	118
67	Nutrients in synergy. <i>Nature</i> , 2007, 449, 1000-1001.	27.8	115
68	POTENTIAL EFFECTS OF CLIMATE CHANGE ON FRESHWATER ECOSYSTEMS OF THE NEW ENGLAND/MID-ATLANTIC REGION. , 1997, 11, 925-947.		114
69	Nitrogen fixation in freshwater, estuarine, and marine ecosystems. 2. Biogeochemical controls1. <i>Limnology and Oceanography</i> , 1988, 33, 688-701.	3.1	106
70	Energy Flow in a Salt Marsh Ecosystem: The Role of Reduced Inorganic Sulfur Compounds. <i>American Naturalist</i> , 1980, 116, 862-872.	2.1	104
71	Sterols in decomposing <i>Spartina alterniflora</i> and the use of ergosterol in estimating the contribution of fungi to detrital nitrogen1. <i>Limnology and Oceanography</i> , 1980, 25, 290-303.	3.1	102
72	Estimating Net Anthropogenic Nitrogen Inputs to U.S. Watersheds: Comparison of Methodologies. <i>Environmental Science & Technology</i> , 2013, 47, 5199-5207.	10.0	99

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73	Atmospheric Oxygen Exchange in the Hudson River: Dome Measurements and Comparison with Other Natural Waters. <i>Estuaries and Coasts</i> , 1993, 16, 433.	1.7	98
74	Nitrogen and phosphorus budgets of the North Atlantic Ocean and its watershed. <i>Biogeochemistry</i> , 1996, 35, 3-25.	3.5	96
75	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.	4.9	92
76	A toolbox for calculating net anthropogenic nitrogen inputs (NANI). <i>Environmental Modelling and Software</i> , 2011, 26, 623-633.	4.5	91
77	Ideas and perspectives: is shale gas a major driver of recent increase in global atmospheric methane?. <i>Biogeosciences</i> , 2019, 16, 3033-3046.	3.3	91
78	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.	3.1	90
79	Venting and leaking of methane from shale gas development: response to Cathles et al.. <i>Climatic Change</i> , 2012, 113, 537-549.	3.6	89
80	Reducing agricultural nutrient surpluses in a large catchment – Links to livestock density. <i>Science of the Total Environment</i> , 2019, 648, 1549-1559.	8.0	88
81	Sulfur storage and alkalinity generation in New England lake sediments. <i>Limnology and Oceanography</i> , 1990, 35, 852-869.	3.1	87
82	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.	7.1	86
83	Anthropogenic nitrogen sources and relationships to riverine nitrogen export in the northeastern U.S.A., 2002, , 137-169.		80
84	Fixing the Global Nitrogen Problem. <i>Scientific American</i> , 2010, 302, 64-71.	1.0	80
85	Nitrogen as a threat to European water quality. , 2011, , 379-404.		80
86	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.	8.0	77
87	Human activities changing the nitrogen cycle in Brazil. <i>Biogeochemistry</i> , 2006, 79, 61-89.	3.5	73
88	A Century of Legacy Phosphorus Dynamics in a Large Drainage Basin. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1107-1122.	4.9	67
89	Enhanced N input to Lake Dianchi Basin from 1980 to 2010: Drivers and consequences. <i>Science of the Total Environment</i> , 2015, 505, 376-384.	8.0	66
90	A roadmap for repowering California for all purposes with wind, water, and sunlight. <i>Energy</i> , 2014, 73, 875-889.	8.8	65

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91	Methane emissions and climatic warming risk from hydraulic fracturing and shale gas development: implications for policy. Energy and Emission Control Technologies, 0, , 45.	0.5	65
92	Bloom formation in heterocystic nitrogen-fixing cyanobacteria: The dependence on colony size and zooplankton grazing. Limnology and Oceanography, 2004, 49, 2171-2178.	3.1	64
93	Molybdenum assimilation by cyanobacteria and phytoplankton in freshwater and salt water. Limnology and Oceanography, 1993, 38, 25-35.	3.1	62
94	Molybdenum and sulfate as controls on the abundance of nitrogen-fixing cyanobacteria in saline lakes in Alberta. Limnology and Oceanography, 1990, 35, 245-259.	3.1	60
95	Ocean urea fertilization for carbon credits poses high ecological risks. Marine Pollution Bulletin, 2008, 56, 1049-1056.	5.0	58
96	Nitrogen flows from European regional watersheds to coastal marine waters. , 0, , 271-297.		54
97	THE REGULATION OF DECOMPOSITION AND HETEROTROPHIC MICROBIAL ACTIVITY IN SALT MARSH SOILS: A REVIEW. , 1982, , 183-207.		53
98	A novel approach for estimating ecosystem production and respiration in estuaries: Application to the oligohaline and mesohaline Hudson River. Limnology and Oceanography, 1999, 44, 1509-1521.	3.1	51
99	Nitrogen cycling and anthropogenic impact in the tropical interamerican seas. Biogeochemistry, 1999, 46, 163-178.	3.5	51
100	Towards an ecological understanding of biological nitrogen fixation. , 2002, , 1-45.		50
101	Roads as nitrogen deposition hot spots. Biogeochemistry, 2013, 114, 149-163.	3.5	49
102	Sources of reactive nitrogen affecting ecosystems in Latin America and the Caribbean: current trends and future perspectives. Biogeochemistry, 2006, 79, 3-24.	3.5	48
103	Ecological and Biogeochemical Interactions Constrain Planktonic Nitrogen Fixation in Estuaries. Ecosystems, 2002, 5, 719-725.	3.4	46
104	Nitrogen retention in rivers: model development and application to watersheds in the northeastern U.S.A., 2002, , 199-237.		46
105	Anthropogenic point-source and non-point-source nitrogen inputs into Huai River basin and their impacts on riverine ammonia-nitrogen flux. Biogeosciences, 2015, 12, 4275-4289.	3.3	43
106	Estimating net anthropogenic nitrogen inputs (NANI) in the Lake Dianchi basin of China. Biogeosciences, 2014, 11, 4577-4586.	3.3	41
107	Nitrogen fixation in Flax Pond: A Long Island salt marsh1. Limnology and Oceanography, 1975, 20, 640-643.	3.1	39
108	Opportunities to reduce nutrient inputs to the Baltic Sea by improving manure use efficiency in agriculture. Regional Environmental Change, 2018, 18, 1843-1854.	2.9	39

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109	Sulfate inhibition of molybdenum-dependent nitrogen fixation by planktonic cyanobacteria under seawater conditions: a non-reversible effect. <i>Hydrobiologia</i> , 2003, 500, 277-293.	2.0	38
110	Sulfate inhibition of molybdate assimilation by planktonic algae and bacteria: some implications for the aquatic nitrogen cycle. <i>Biogeochemistry</i> , 1986, 2, 179-196.	3.5	36
111	Nitrogen in Runoff from Residential Roads in a Coastal Area. <i>Water, Air, and Soil Pollution</i> , 2010, 210, 3-13.	2.4	35
112	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.	1.5	34
113	Metabolism of a nitrogen-enriched coastal marine lagoon during the summertime. <i>Biogeochemistry</i> , 2014, 118, 1-20.	3.5	34
114	Nutrient Limitation of the Macroalga, <i>Penicillus capitatus</i> , Associated with Subtropical Seagrass Meadows in Bermuda. <i>Estuaries and Coasts</i> , 1992, 15, 18.	1.7	33
115	Modeling Water, Sediment and Organic Carbon Discharges in the Hudson-Mohawk Basin: Coupling to Terrestrial Sources. <i>Estuaries and Coasts</i> , 1996, 19, 833.	1.7	33
116	Net anthropogenic phosphorus inputs and riverine phosphorus fluxes in highly populated headwater watersheds in China. <i>Biogeochemistry</i> , 2015, 126, 269-283.	3.5	33
117	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.	3.5	33
118	The Measurement of Primary Production in Aquatic Ecosystems. , 2000, , 72-85.		33
119	Eutrophication: Time to Adjust Expectations“Response. <i>Science</i> , 2009, 324, 724-725.	12.6	32
120	Exchange of Nitrogen and Phosphorus Between a Shallow Lagoon and Coastal Waters. <i>Estuaries and Coasts</i> , 2014, 37, 63-73.	2.2	32
121	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.	8.0	32
122	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.	3.5	31
123	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.	2.1	31
124	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.	2.9	30
125	The role of technology and policy in mitigating regional nitrogen pollution. <i>Environmental Research Letters</i> , 2011, 6, 014011.	5.2	28
126	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.	2.1	27

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127	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.	2.2	27
128	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.	5.3	27
129	Nitrogen cycling and anthropogenic impact in the tropical interamerican seas. <i>Biogeochemistry</i> , 1999, 46, 163-178.	3.5	25
130	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.	4.0	25
131	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.	3.1	24
132	Comparative Responses of Aquatic Ecosystems to Toxic Chemical Stress. , 1991, , 169-195.		24
133	Sulfate inhibition of molybdenum-dependent nitrogen fixation by planktonic cyanobacteria under sea water conditions: a non-reversible effect. , 2003, , 277-293.		22
134	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.	3.1	22
135	Nitrogen Fluxes from Rivers to the Coastal Oceans. , 2008, , 1565-1587.		22
136	Sources of nitrate in rivers draining sixteen watersheds in the northeastern U.S.: Isotopic constraints. , 2002, , 171-197.		22
137	Evaluating anthropogenic N inputs to diverse lake basins: A case study of three Chinese lakes. <i>Ambio</i> , 2015, 44, 635-646.	5.5	21
138	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.	3.1	20
139	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.	3.5	20
140	Speciation of Dissolved Sulfur in Salt Marshes by Polarographic Methods. <i>ACS Symposium Series</i> , 1986, , 340-355.	0.5	19
141	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.	3.0	19
142	Human acceleration of the nitrogen cycle: drivers, consequences, and steps toward solutions. <i>Water Science and Technology</i> , 2004, 49, 7-13.	2.5	18
143	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.	2.5	16
144	Controls of Benthic Nitrogen Fixation and Primary Production from Nutrient Enrichment of Oligotrophic, Arctic Lakes. <i>Ecosystems</i> , 2013, 16, 1550-1564.	3.4	15

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145	Nitrogen Biogeochemistry of an Urban Rooftop Farm. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	15
146	Do top-down and bottom-up controls interact to exclude nitrogen-fixing cyanobacteria from the plankton of estuaries? An exploration with a simulation model. , 1999, , 203-231.		15
147	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.	5.2	14
148	A system dynamics model for managing regional N inputs from human activities. <i>Ecological Modelling</i> , 2016, 322, 82-91.	2.5	14
149	Wastewater and Watershed Influences on Primary Productivity and Oxygen Dynamics in the Lower Hudson River Estuary. , 2006, , 121-139.		14
150	Nitrogen and phosphorus budgets of the North Atlantic Ocean and its watershed. , 1996, , 3-25.		14
151	Biological Nitrogen Fixation Does Not Replace Nitrogen Losses After Forest Fires in the Southeastern Amazon. <i>Ecosystems</i> , 2020, 23, 1037-1055.	3.4	13
152	Natural atmospheric deposition of molybdenum: a global model and implications for tropical forests. <i>Biogeochemistry</i> , 2020, 149, 159-174.	3.5	13
153	The influence of climate on average nitrogen export from large watersheds in the Northeastern United States. , 2006, , 163-186.		13
154	Turbulence does not prevent nitrogen fixation by plankton in estuaries and coastal seas (reply to) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.1	12
155	Title is missing!. <i>Biogeochemistry</i> , 1999, 46, 203-231.	3.5	12
156	Anthropogenic Perturbations to the Atmospheric Molybdenum Cycle. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006787.	4.9	12
157	County, subregional and regional nitrogen data derived from the Net Anthropogenic Nitrogen Inputs (NANI) toolbox. <i>Data in Brief</i> , 2018, 18, 1877-1888.	1.0	11
158	Nitrogen cycling and anthropogenic impact in the tropical interamerican seas. , 1999, , 163-178.		11
159	Reply to comment on “How Green is Blue Hydrogen?” <i>Energy Science and Engineering</i> , 2022, 10, 1955-1960.	4.0	10
160	The development of policy approaches for reducing nitrogen pollution to coastal waters of the USA. <i>Science in China Series C: Life Sciences</i> , 2005, 48, 791-806.	1.3	9
161	HUMAN ALTERATION OF THE GLOBAL NITROGEN CYCLE: SOURCES AND CONSEQUENCES. , 1997, 7, 737.		9
162	Molybdenum, phosphorus, and pH do not constrain nitrogen fixation in a tropical forest in the southeastern Amazon. <i>Ecology</i> , 2021, 102, e03211.	3.2	8

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163	Determining the Ecological Effects of Oil Pollution in Marine Ecosystems. , 1989, , 69-97.		8
164	Understanding Nutrient Cycling and Sediment Sources in the Upper Susquehanna River Basin. Journal of Contemporary Water Research and Education, 2008, 138, 7-14.	0.7	7
165	Where did all the nitrogen go? Fate of nitrogen inputs to large watersheds in the northeastern U.S.A.. , 2002, , 267-293.		7
166	NONPOINT POLLUTION OF SURFACE WATERS WITH PHOSPHORUS AND NITROGEN. , 1998, 8, 559.		7
167	The impact of accelerating land-use change on the N-Cycle of tropical aquatic ecosystems: Current conditions and projected changes. , 1999, , 109-148.		6
168	Human Health Effects of a Changing Global Nitrogen Cycle. Frontiers in Ecology and the Environment, 2003, 1, 240.	4.0	6
169	A reply to the comment by Stauffer. Limnology and Oceanography, 1991, 36, 1265-1271.	3.1	5
170	Estimating Atmospheric Nitrogen Deposition in the Northeastern United States: Relevance to Narragansett Bay. , 2008, , 47-65.		5
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