

Recent advances in ecological stoichiometry: insights for ecology

Oikos

109, 29-39

DOI: [10.1111/j.0030-1299.2005.14056.x](https://doi.org/10.1111/j.0030-1299.2005.14056.x)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Ecological stoichiometry in freshwater benthic systems: recent progress and perspectives. <i>Freshwater Biology</i> , 2005, 50, 1895-1912.	2.4	353
2	Applications of ecological stoichiometry for sustainable acquisition of ecosystem services. <i>Oikos</i> , 2005, 109, 52-62.	2.7	36
3	Toward the understanding of complex population dynamics: planktonic community as a model system. <i>Ecological Research</i> , 2005, 20, 511-518.	1.5	14
4	Detritivory and the stoichiometry of nutrient cycling by a dominant fish species in lakes of varying productivity. <i>Oikos</i> , 2006, 114, 419-430.	2.7	52
5	Resource-Ratio Theory and the Control of Invasive Plants. <i>Plant and Soil</i> , 2006, 280, 23-27.	3.7	17
6	Litter N:P ratios indicate whether N or P limits the decomposability of graminoid leaf litter. <i>Plant and Soil</i> , 2006, 287, 131-143.	3.7	89
7	Bottom-up trophic cascades and material transfer in terrestrial food webs. <i>Ecological Research</i> , 2006, 21, 26-34.	1.5	76
8	Inedible Producers in Food Webs: Controls on Stoichiometric Food Quality and Composition of Grazers. <i>American Naturalist</i> , 2006, 167, 628-637.	2.1	17
9	GRAZERS, PRODUCER STOICHIOMETRY, AND THE LIGHT : NUTRIENT HYPOTHESIS REVISITED. <i>Ecology</i> , 2007, 88, 1142-1152.	3.2	35
10	Food quality, nutrient limitation of secondary production, and the strength of trophic cascades. <i>Oikos</i> , 2007, 116, 1128-1143.	2.7	4
11	The feeding ecology of earthworms – A review. <i>Pedobiologia</i> , 2007, 50, 463-477.	1.2	520
12	Biogeography and macroecology: now a significant component of physical geography. <i>Progress in Physical Geography</i> , 2007, 31, 643-657.	3.2	11
13	From quasi-organism to protolife. <i>Ecological Complexity</i> , 2007, 4, 102-112.	2.9	5
14	Composition of guano produced by frugivorous, sanguivorous, and insectivorous bats. <i>Acta Chiropterologica</i> , 2007, 9, 261-267.	0.6	34
15	Micro-interactions and macro-constraints. , 0, , 69-82.		0
16	Biodiversity maintenance in food webs with regulatory environmental feedbacks. <i>Journal of Theoretical Biology</i> , 2007, 245, 705-714.	1.7	7
17	Food quality, nutrient limitation of secondary production, and the strength of trophic cascades. <i>Oikos</i> , 2007, 116, 1128-1143.	2.7	47
18	Changes in enzyme activities and soil microbial community composition along carbon and nutrient gradients at the Franz Josef chronosequence, New Zealand. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1770-1781.	8.8	268

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19	Foraging behavior by <i>Daphnia</i> in stoichiometric gradients of food quality. <i>Oecologia</i> , 2007, 153, 1021-1030.	2.0	52
20	Detritivory: stoichiometry of a neglected trophic level. <i>Ecological Research</i> , 2008, 23, 487-491.	1.5	85
21	Leaf nitrogen:phosphorus stoichiometry across Chinese grassland biomes. <i>Oecologia</i> , 2008, 155, 301-310.	2.0	280
22	Does Liebig's law of the minimum scale up from species to communities?. <i>Oikos</i> , 2008, 117, 1741-1751.	2.7	169
23	In search of forage: predicting dynamic habitats of Mongolian gazelles using satellite-based estimates of vegetation productivity. <i>Journal of Applied Ecology</i> , 2008, 45, 649-658.	4.0	167
24	Poor elemental food quality reduces the toxicity of fluoxetine on <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2008, 86, 99-103.	4.0	37
25	Growth of a jumping spider on nitrogen enriched prey. <i>Acta Arachnologica</i> , 2008, 57, 47-50.	0.2	4
26	Biotic Translocation of Phosphorus: The Role of Deer in Protected Areas. <i>Sustainability</i> , 2009, 1, 104-119.	3.2	12
27	Stoichiometric Constraints Do Not Limit Successful Invaders: Zebra Mussels in Swedish Lakes. <i>PLoS ONE</i> , 2009, 4, e5345.	2.5	32
28	Effects of aphid-tending Argentine ants, nitrogen enrichment and early-season herbivory on insects hosted by a coastal shrub. <i>Biological Invasions</i> , 2009, 11, 183-191.	2.4	6
29	Litter Biomass and Nutrient Determinants of Ant Density, Nest Size, and Growth in a Costa Rican Tropical Wet Forest. <i>Biotropica</i> , 2009, 41, 234-240.	1.6	45
30	The ecological stoichiometry of toxins produced by harmful cyanobacteria: an experimental test of the carbon-nutrient balance hypothesis. <i>Ecology Letters</i> , 2009, 12, 1326-1335.	6.4	197
31	Stoichiometrically Explicit Food Webs: Feedbacks between Resource Supply, Elemental Constraints, and Species Diversity. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2009, 40, 503-528.	8.3	83
32	Seasonal response of herbage production and its nutrient and mineral contents to long-term cattle grazing on a Rough Fescue grassland. <i>Agriculture, Ecosystems and Environment</i> , 2009, 132, 32-38.	5.3	23
33	Adaptation to a limiting environment: the phosphorus content of terrestrial cave arthropods. <i>Ecological Research</i> , 2010, 25, 565-577.	1.5	21
34	Can ecological stoichiometry help explain patterns of biological invasions?. <i>Oikos</i> , 2010, 119, 779-790.	2.7	139
35	Sex in a material world: why the study of sexual reproduction and sex-specific traits should become more nutritionally-explicit. <i>Oikos</i> , 2010, 119, 766-778.	2.7	74
36	The evolution of biological stoichiometry under global change. <i>Oikos</i> , 2010, 119, 737-740.	2.7	14

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37	A test of stoichiometry across six Irish lakes of low-moderate nutrient status and contrasting hardness. <i>Journal of Plankton Research</i> , 2010, 32, 15-29.	1.8	11
38	Herbivory versus omnivory: linking homeostasis and elemental imbalance in copepod development. <i>Journal of Plankton Research</i> , 2010, 32, 1573-1582.	1.8	36
39	Ecological Stoichiometry, Biogeochemical Cycling, Invasive Species, and Aquatic Food Webs: San Francisco Estuary and Comparative Systems. <i>Reviews in Fisheries Science</i> , 2011, 19, 358-417.	2.1	139
40	Human impacts on leaf economics in heterogeneous landscapes: the effect of harvesting non-timber forest products from African mahogany across habitats and climates. <i>Journal of Applied Ecology</i> , 2011, 48, 844-852.	4.0	22
41	Spatial and temporal variability in propagule limitation of California native grasses. <i>Oikos</i> , 2011, 120, 291-301.	2.7	31
42	Exploring patterns and mechanisms of interspecific and intraspecific variation in body elemental composition of desert consumers. <i>Oikos</i> , 2011, 120, 1247-1255.	2.7	68
43	Contrasting effects of nitrogen limitation and amino acid imbalance on carbon and nitrogen turnover in three species of Collembola. <i>Soil Biology and Biochemistry</i> , 2011, 43, 749-759.	8.8	27
44	Earthworm and microbe response to litter and soils of tropical forest plantations with contrasting C:N:P stoichiometric ratios. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1528-1535.	8.8	43
45	The ontogenetic stoichiometric bottleneck stabilizes herbivore–autotroph dynamics. <i>Ecological Research</i> , 2011, 26, 209-216.	1.5	17
46	Bromeliad growth and stoichiometry: responses to atmospheric nutrient supply in fog-dependent ecosystems of the hyper-arid Atacama Desert, Chile. <i>Oecologia</i> , 2011, 167, 835-845.	2.0	36
47	Proteomic characterization of the major arthropod associates of the carnivorous pitcher plant <i>Sarracenia purpurea</i> . <i>Proteomics</i> , 2011, 11, 2354-2358.	2.2	3
48	Nutritional geometry: gorillas prioritize non-protein energy while consuming surplus protein. <i>Biology Letters</i> , 2011, 7, 847-849.	2.3	198
49	Predation risk, stoichiometric plasticity and ecosystem elemental cycling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4183-4191.	2.6	42
50	The Effects of Nutrients and Secondary Compounds of <i>Coffea arabica</i> on the Behavior and Development of <i>Coccus viridis</i> . <i>Environmental Entomology</i> , 2012, 41, 333-341.	1.4	11
51	Not just the usual suspects: Insect herbivore populations and communities are associated with multiple plant nutrients. <i>Ecology</i> , 2012, 93, 1002-1015.	3.2	130
52	Stoichiometric flexibility as a regulator of carbon and nutrient cycling in terrestrial ecosystems under change. <i>New Phytologist</i> , 2012, 196, 68-78.	7.3	249
53	Variation in tissue stoichiometry and condition index of zebra mussels in invaded Swedish lakes. <i>Biological Invasions</i> , 2012, 14, 2117-2131.	2.4	12
54	Widespread intraspecific organismal stoichiometry among populations of the Trinidadian guppy. <i>Functional Ecology</i> , 2012, 26, 666-676.	3.6	83

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55	Plant-mediated effects of soil nitrogen enrichment on a chemically defended specialist herbivore, <i>Calophasia lunula</i> . <i>Ecological Entomology</i> , 2012, 37, 300-308.	2.2	8
56	Nutrient stoichiometry of three plant species under a natural nutrient gradient of a semiarid small watershed. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2013, 63, 231-240.	0.6	4
57	Human-induced nitrogen-phosphorus imbalances alter natural and managed ecosystems across the globe. <i>Nature Communications</i> , 2013, 4, 2934.	12.8	1,013
58	From limitation to excess: the consequences of substrate excess and stoichiometry for phytoplankton physiology, trophodynamics and biogeochemistry, and the implications for modeling. <i>Journal of Marine Systems</i> , 2013, 125, 14-28.	2.1	55
59	Strong interactions between stoichiometric constraints and algal defenses: evidence from population dynamics of <i>Daphnia</i> and algae in phosphorus-limited microcosms. <i>Oecologia</i> , 2013, 171, 175-186.	2.0	29
60	Phosphorus content in detritus controls life-history traits of a detritivore. <i>Functional Ecology</i> , 2013, 27, 807-815.	3.6	61
61	Sex and size matter: ontogenetic patterns of nutrient content of aquatic insects. <i>Freshwater Science</i> , 2013, 32, 837-848.	1.8	44
62	Can resource costs of polyploidy provide an advantage to sex?. <i>Heredity</i> , 2013, 110, 152-159.	2.6	22
63	Foliar stoichiometry under different mycorrhizal types in relation to temperature and precipitation in grassland. <i>Journal of Plant Ecology</i> , 2013, 6, 270-276.	2.3	9
64	A Review of Ecological Stoichiometry: Basic Knowledge and Advances. , 2013, , .		6
65	<i>Brachiaria ruziziensis</i> Responses to Different Fertilization Doses and to the Attack of <i>Mahanarva spectabilis</i> (Hemiptera: Cercopidae) Nymphs and Adults. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	6
66	Subtle variation in phosphorus availability influences mating biology in <i>Hyaella</i> (Amphipoda: Tj ETQq1 1 0.784314 rgBT /Overlock 10 765		
67	Litter elemental stoichiometry and biomass densities of forest soil invertebrates. <i>Oikos</i> , 2014, 123, 1212-1223.	2.7	53
68	The reaction of European lobster larvae (<i>Homarus gammarus</i>) to different quality food: effects of ontogenetic shifts and pre-feeding history. <i>Oecologia</i> , 2014, 174, 581-594.	2.0	21
69	Land-use and soil depth affect resource and microbial stoichiometry in a tropical mountain rainforest region of southern Ecuador. <i>Oecologia</i> , 2014, 175, 375-393.	2.0	87
70	Rhizosphere stoichiometry: are C:N:P ratios of plants, soils, and enzymes conserved at the plant species-level?. <i>New Phytologist</i> , 2014, 201, 505-517.	7.3	187
71	Compensatory feeding of a stream detritivore alleviates the effects of poor food quality when enough food is supplied. <i>Freshwater Science</i> , 2014, 33, 134-141.	1.8	49
72	Differing nutritional constraints of consumers across ecosystems. <i>Oecologia</i> , 2014, 174, 1367-1376.	2.0	53

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73	Rapid evolution of a consumer stoichiometric trait destabilizes consumerâ€“producer dynamics. <i>Oikos</i> , 2015, 124, 960-969.	2.7	29
74	Foodâ€“web composition and plant diversity control foliar nutrient content and stoichiometry. <i>Journal of Ecology</i> , 2015, 103, 1432-1441.	4.0	36
75	Spatial patterns of leaf carbon, nitrogen stoichiometry and stable carbon isotope composition of <i>Ranunculus natans</i> C.A. Mey. (Ranunculaceae) in the arid zone of northwest China. <i>Ecological Engineering</i> , 2015, 77, 9-17.	3.6	26
76	Stoichiometric flexibility in diverse aquatic heterotrophic bacteria is coupled to differences in cellular phosphorus quotas. <i>Frontiers in Microbiology</i> , 2015, 6, 159.	3.5	35
77	Context dependency of the densityâ€“body mass relationship in litter invertebrates along an elevational gradient. <i>Soil Biology and Biochemistry</i> , 2015, 88, 323-332.	8.8	5
78	Effects of light, nutrients, and food chain length on trophic efficiencies in simple stoichiometric aquatic food chain models. <i>Ecological Modelling</i> , 2015, 312, 125-135.	2.5	29
79	Genotypic differences in phosphorus use physiology in producers (<i>Chlamydomonas reinhardtii</i>) and consumers (<i>Daphnia pulex</i>) interact to alter primary and secondary production. <i>Evolutionary Ecology</i> , 2015, 29, 551-563.	1.2	8
80	More than propagule pressure: Successful invading algae have physiological adaptations suitable to anthropogenically changing nutrient environments. <i>Aquatic Ecosystem Health and Management</i> , 2015, 18, 334-341.	0.6	6
81	Above- and belowground linkages of a nitrogen and phosphorus co-limited tropical mountain pasture system â€“ responses to nutrient enrichment. <i>Plant and Soil</i> , 2015, 391, 333-352.	3.7	27
82	Spatial stoichiometry: crossâ€“ecosystem material flows and their impact on recipient ecosystems and organisms. <i>Oikos</i> , 2015, 124, 920-930.	2.7	66
83	Experimental evidence that subsidy quality affects the temporal variability of recipient zooplankton communities. <i>Aquatic Sciences</i> , 2015, 77, 609-621.	1.5	8
84	Pollen Stoichiometry May Influence Detrital Terrestrial and Aquatic Food Webs. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	28
85	Collembola diet-switching in the presence of maize roots vary with species. <i>Canadian Journal of Soil Science</i> , 2016, , .	1.2	2
86	Cascading effects of N input on tritrophic (plantâ€“aphidâ€“parasitoid) interactions. <i>Ecology and Evolution</i> , 2016, 6, 7882-7891.	1.9	22
87	Ecological stoichiometry of aquatic fungi: current knowledge and perspectives. <i>Fungal Ecology</i> , 2016, 19, 100-111.	1.6	98
88	Integrating ecological theories and traits in processâ€“based modeling of macroinvertebrate community dynamics in streams. <i>Ecological Applications</i> , 2017, 27, 1365-1377.	3.8	4
89	Decreasing Stoichiometric Resource Quality Drives Compensatory Feeding across Trophic Levels in Tropical Litter Invertebrate Communities. <i>American Naturalist</i> , 2017, 190, 131-143.	2.1	43
90	Plant community composition affects the species biogeochemical niche. <i>Ecosphere</i> , 2017, 8, e01801.	2.2	42

#	ARTICLE	IF	CITATIONS
91	Experimental warming and antecedent fire alter leaf element composition and increase soil C:N ratio in sub-alpine open heathland. <i>Science of the Total Environment</i> , 2017, 595, 41-50.	8.0	8
92	14 Questions for Invasion in Ecological Networks. <i>Advances in Ecological Research</i> , 2017, , 293-340.	2.7	15
93	Influence of aridity and salinity on plant nutrients scales up from species to community level in a desert ecosystem. <i>Scientific Reports</i> , 2017, 7, 6811.	3.3	29
94	Genotype-specific relationships among phosphorus use, growth and abundance in <i>Daphnia pulex</i> . <i>Royal Society Open Science</i> , 2017, 4, 170770.	2.4	16
95	An Operational Framework for the Advancement of a Molecule-to-Biosphere Stoichiometry Theory. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	14
96	A Stoichioproteomic Analysis of Samples from the Human Microbiome Project. <i>Frontiers in Microbiology</i> , 2017, 8, 1119.	3.5	5
97	Comparing the Ecological Stoichiometry in Green and Brown Food Webs – A Review and Meta-analysis of Freshwater Food Webs. <i>Frontiers in Microbiology</i> , 2017, 8, 1184.	3.5	69
98	Microbial stoichiometric flexibility regulates rice straw mineralization and its priming effect in paddy soil. <i>Soil Biology and Biochemistry</i> , 2018, 121, 67-76.	8.8	164
99	Through 100 Years of Ecological Society of America publications: development of ecological research topics and scientific collaborations. <i>Ecosphere</i> , 2018, 9, e02109.	2.2	13
100	Ecological stoichiometry in leaves, roots, litters and soil among different plant communities in a desertified region of Northern China. <i>Catena</i> , 2018, 166, 328-338.	5.0	138
101	The impact of development on patterns of nutrient limitation. <i>Functional Ecology</i> , 2018, 32, 1507-1519.	3.6	6
102	Understanding the stoichiometric limitation of herbivore growth: the importance of feeding and assimilation flexibilities. <i>Ecology Letters</i> , 2018, 21, 197-206.	6.4	36
103	Resource stoichiometry shapes community invasion resistance via productivity-mediated species identity effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182035.	2.6	10
104	Review: Using physiologically based models to predict population responses to phytochemicals by wild vertebrate herbivores. <i>Animal</i> , 2018, 12, s383-s398.	3.3	9
105	Nutrient Dynamics in Decomposing Dead Wood in the Context of Wood Eater Requirements: The Ecological Stoichiometry of Saproxylrophagous Insects. <i>Zoological Monographs</i> , 2018, , 429-469.	1.1	23
106	A Better Understanding of Bee Nutritional Ecology Is Needed to Optimize Conservation Strategies for Wild Bees – The Application of Ecological Stoichiometry. <i>Insects</i> , 2018, 9, 85.	2.2	35
107	Climatically driven changes in primary production propagate through trophic levels. <i>Global Change Biology</i> , 2018, 24, 4453-4463.	9.5	25
108	Ecological stoichiometry and invasive strategies of two alien species (<i>Bidens pilosa</i> and <i>Taraxacum officinale</i>). <i>Journal of Ecology</i> , 2018, 106, 1155-1165.	1.5	14

#	ARTICLE	IF	CITATIONS
109	Karst biogeochemistry in China: past, present and future. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	5
110	Understory Plant Functional Types Alter Stoichiometry Correlations between Litter and Soil in Chinese Fir Plantations with N and P Addition. <i>Forests</i> , 2019, 10, 742.	2.1	17
111	Experimental N and P additions alter stream macroinvertebrate community composition via taxon-level responses to shifts in detrital resource stoichiometry. <i>Functional Ecology</i> , 2019, 33, 855-867.	3.6	15
112	Dynamics of a Producer-Grazer Model Incorporating the Effects of Phosphorus Loading on Grazer's Growth. <i>Bulletin of Mathematical Biology</i> , 2019, 81, 1352-1368.	1.9	8
113	Strength of forest edge effects on litter-dwelling macroarthropods across Europe is influenced by forest age and edge properties. <i>Diversity and Distributions</i> , 2019, 25, 963-974.	4.1	21
114	Patterns of nutrient limitation on periphyton in a tropical black-water lake depend on the relative contribution of autotrophic and heterotrophic components. <i>Inland Waters</i> , 2019, 9, 25-34.	2.2	3
115	Spatial and temporal variation in nitrogen fixation and its importance to phytoplankton in phosphorus-rich lakes. <i>Freshwater Biology</i> , 2019, 64, 269-283.	2.4	39
116	Stoichiometric multitrophic networks reveal significance of land-sea interaction to ecosystem function in a subtropical nutrient-poor bight, South Africa. <i>PLoS ONE</i> , 2019, 14, e0210295.	2.5	5
117	Nutrient retention by predators undermines predator coexistence on one prey. <i>Theoretical Ecology</i> , 2020, 13, 183-208.	1.0	10
118	Legacy effects of nitrogen deposition on plant nutrient stoichiometry in a temperate grassland. <i>Plant and Soil</i> , 2020, 446, 503-513.	3.7	10
119	Complementary information from fatty acid and nutrient stoichiometry data improve stream food web analyses. <i>Hydrobiologia</i> , 2020, 847, 629-645.	2.0	16
120	Coherent responses of terrestrial C:N stoichiometry to drought across plants, soil, and microorganisms in forests and grasslands. <i>Agricultural and Forest Meteorology</i> , 2020, 292-293, 108104.	4.8	31
121	Sexual Dimorphism in the Multielemental Stoichiometric Phenotypes and Stoichiometric Niches of Spiders. <i>Insects</i> , 2020, 11, 484.	2.2	2
122	Responses of C:N stoichiometry in plants, soil, and microorganisms to nitrogen addition. <i>Plant and Soil</i> , 2020, 456, 277-287.	3.7	39
123	Animal body size distribution influences the ratios of nutrients supplied to plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22256-22263.	7.1	35
124	Dynamics of carbon, nitrogen, and phosphorus stocks and stoichiometry resulting from conversion of primary broadleaf forest to plantation and secondary forest in subtropical China. <i>Catena</i> , 2020, 193, 104606.	5.0	36
125	Effects of shell sand burial on seedling emergence, growth and stoichiometry of <i>Periploca sepium</i> Bunge. <i>BMC Plant Biology</i> , 2020, 20, 112.	3.6	3
126	Bottom-up when it is not top-down: Predators and plants control biomass of grassland arthropods. <i>Journal of Animal Ecology</i> , 2020, 89, 1286-1294.	2.8	25

#	ARTICLE	IF	CITATIONS
127	Experimental N and P additions relieve stoichiometric constraints on organic matter flows through five stream food webs. <i>Journal of Animal Ecology</i> , 2020, 89, 1468-1481.	2.8	8
128	Response of leaf stoichiometry of <i>Oxytropis ochrocephala</i> to elevation and slope aspect. <i>Catena</i> , 2020, 194, 104772.	5.0	37
129	Temporal variation and its drivers in the elemental traits of four boreal plant species. <i>Journal of Plant Ecology</i> , 2021, 14, 398-413.	2.3	4
130	Stoichiometric niche, nutrient partitioning and resource allocation in a solitary bee are sex-specific and phosphorous is allocated mainly to the cocoon. <i>Scientific Reports</i> , 2021, 11, 652.	3.3	23
131	Eutrophication induces shifts in the trophic position of invertebrates in aquatic food webs. <i>Ecology</i> , 2021, 102, e03275.	3.2	31
132	Extending the growth rate hypothesis to species development: Can stoichiometric traits help to explain the composition of macroinvertebrate communities?. <i>Oikos</i> , 2021, 130, 879-892.	2.7	9
133	Plantâ€caterpillar food web: Integrating leaf stoichiometry and phylogeny. <i>Ecological Entomology</i> , 2021, 46, 1026-1035.	2.2	2
134	Study on life history traits of <i>Stellera chamaejasme</i> provide insights into its control on degraded typical steppe. <i>Journal of Environmental Management</i> , 2021, 291, 112716.	7.8	9
135	Elevation Alone Alters Leaf N and Leaf C to N Ratio of <i>Picea crassifolia</i> Kom. in Chinaâ€™s Qilian Mountains. <i>Forests</i> , 2021, 12, 1325.	2.1	4
136	Stoichiometry of Plant Litter Decomposition in Stream Ecosystems. , 2021, , 23-49.		1
137	Body Size Plasticity of Weevil Larvae (<i>Curculio davidi</i>) (Coleoptera: Curculionidae) and Its Stoichiometric Relationship With Different Hosts. <i>Journal of Insect Science</i> , 2021, 21, .	1.5	1
138	Resource Acquisition and Animal Response in Dynamic Landscapes. , 2007, , 13-29.		2
140	Environmental and Organismal Predictors of Intraspecific Variation in the Stoichiometry of a Neotropical Freshwater Fish. <i>PLoS ONE</i> , 2012, 7, e32713.	2.5	47
141	Nutrients resorption and stoichiometry characteristics of different-aged plantations of <i>Larix kaempferi</i> in the Qinling Mountains, central China. <i>PLoS ONE</i> , 2017, 12, e0189424.	2.5	23
142	Elemental Stoichiometry of Natural Phytoplankton Communities in Reservoirs of the Han River Systems. <i>Journal of Korean Neuropsychiatric Association</i> , 2014, 30, 665-672.	0.5	1
143	Plantâ€insect interactions: the role of ecological stoichiometry. <i>Acta Agrobotanica</i> , 2017, 70, .	1.0	27
144	Evolution of Forest Systems: the Role of Biogeochemical Cycles in Determining Sustainable Forestry Practices. <i>Ecology and Society</i> , 2009, 14, .	2.3	10
145	Prey selectivity and the effect of diet on growth and development of a dragonfly, <i>Sympetrum sanguineum</i> . <i>PeerJ</i> , 2019, 7, e7881.	2.0	8

#	ARTICLE	IF	CITATIONS
146	Niche Differentiation and Coexistence in a Multi-resource Ecosystem with Competition. Lecture Notes in Computer Science, 2007, , 143-152.	1.3	0
147	Des réseaux trophiques au fonctionnement des écosystèmes lacustres: vers une intégration de l'hydrologie et de la complexité. Revue Des Sciences De L'Eau, 0, 21, 155-172.	0.2	0
148	Does Liebig's law of the minimum scale up from species to communities?. Oikos, 2008, , .	2.7	0
150	Mining subsidence area reconstruction with N2-fixing plants promotes arbuscular mycorrhizal fungal biodiversity and microbial biomass C:N:P stoichiometry of cyanobacterial biocrusts. Forest Ecology and Management, 2022, 503, 119763.	3.2	5
151	Ecosystem Control: A Top-Down View. , 2022, , 47-62.		0
152	Response of carbon, nitrogen and phosphorus concentration and stoichiometry of plants and soils during a soybean growth season to O3 stress and straw return in Northeast China. Science of the Total Environment, 2022, 822, 153573.	8.0	5
153	Leaf Stoichiometry of Potentilla fruticosa Across Elevations in China's Qilian Mountains. Frontiers in Plant Science, 2022, 13, 814059.	3.6	6
154	Assassin snails (Anentome helena) as a biological model for exploring the effects of individual specialisation within generalist predators. PLoS ONE, 2022, 17, e0264996.	2.5	3
155	Geologic controls on phytoplankton elemental composition. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113263119.	7.1	2
156	Geologic controls on phytoplankton elemental composition. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
157	An Energetic Framework for Trophic Control. , 2007, , 65-85.		0
158	Biochemical and Botanical Aspects of Allium sativum L. Sowing. BioTech, 2022, 11, 16.	2.6	6
159	Inventory of the terrestrial isopods in Belgium (2011-2020). ZooKeys, 0, 1101, 57-69.	1.1	1
160	Variations in Soil C, N, P Stocks and Stoichiometry With Soil Depth and Forest Types in Qilian Mountains of Northwest China. Frontiers in Environmental Science, 2022, 10, .	3.3	3
161	Response of leaf stoichiometry of Potentilla anserina to elevation in China's Qilian Mountains. Frontiers in Plant Science, 0, 13, .	3.6	5
162	Leaf stoichiometry of Leontopodium lentopodioides at high altitudes on the northeastern Qinghai-Tibetan Plateau, China. Journal of Arid Land, 2022, 14, 1124-1137.	2.3	3
163	Plant community productivity is associated with multiple ecological stoichiometry in restoration grasslands. Ecological Engineering, 2023, 187, 106845.	3.6	6
164	Phosphorus - The main limiting factor in riverine ecosystems in China. Science of the Total Environment, 2023, 870, 161613.	8.0	8

#	ARTICLE	IF	CITATIONS
165	Stoichiometry and environmental change drive dynamical complexity and unpredictable switches in an intraguild predation model. <i>Journal of Mathematical Biology</i> , 2023, 86, .	1.9	2
166	Microplastics affect activity and spatial distribution of C, N, and P hydrolases in rice rhizosphere. <i>Soil Ecology Letters</i> , 2023, 5, .	4.5	13
167	Water status and macronutrient concentrations, but not carbon status, of <i>Viscum album</i> ssp. <i>album</i> are determined by its hosts: a study across nine mistletoe–host pairs in central Switzerland. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	0
168	Biochemical-ecological composition and bio-stoichiometric ratios of swordfish (<i>Xiphias gladius</i>) gonads in the Southeastern Pacific Ocean. <i>Regional Studies in Marine Science</i> , 2023, 63, 103031.	0.7	0
169	Responses of soil hexapod communities to warming are mediated by microbial carbon and nitrogen in a subarctic grassland. <i>European Journal of Soil Biology</i> , 2023, 117, 103513.	3.2	1
170	Effects of N and P addition on nutrient and stoichiometry of rhizosphere and non-rhizosphere soils of alfalfa in alkaline soil. <i>Scientific Reports</i> , 2023, 13, .	3.3	2
171	Assessing mechanisms for microbial taxa and community dynamics using process models. , 2023, 2, 239-252.		2
172	Resource quantity and quality differentially control stream invertebrate biodiversity across spatial scales. <i>Ecology Letters</i> , 2023, 26, 2077-2086.	6.4	0
173	<scp>SEED</scp>: A framework for integrating ecological stoichiometry and eco–evolutionary dynamics. <i>Ecology Letters</i> , 2023, 26, .	6.4	1
174	Effects of drought on non-structural carbohydrates and C, N, and P stoichiometric characteristics of <i>Pinus yunnanensis</i> seedlings. <i>Journal of Forestry Research</i> , 2024, 35, .	3.6	0