

James J Elser

List of Publications by Year in descending order

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Version: 2024-02-01

278
papers

38,603
citations

3933

88
h-index

3182

186
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303
all docs

303
docs citations

303
times ranked

30259
citing authors

#	ARTICLE	IF	CITATIONS
1	C:N:P stoichiometry in six distinct habitats of a glacier terminus in the source area of the Yangtze River. <i>Biogeochemistry</i> , 2022, 158, 181-194.	3.5	8
2	Bacterial communities in surface and basal ice of a glacier terminus in the headwaters of Yangtze River on the Qinghai-Tibet Plateau. <i>Environmental Microbiomes</i> , 2022, 17, 12.	5.0	7
3	Microplastics in Flathead Lake, a large oligotrophic mountain lake in the USA. <i>Environmental Pollution</i> , 2022, 306, 119445.	7.5	19
4	Sustained stoichiometric imbalance and its ecological consequences in a large oligotrophic lake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	16
5	Unintended nutrient imbalance induced by wastewater effluent inputs to receiving water and its ecological consequences. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	6.0	5
6	Suitability of an Algal Biofuel Species, <i>Scenedesmus acutus</i> , as a Fertilizer for Growth of Conventional and Genetically Modified Lettuce. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 589-594.	1.0	0
7	Human perturbation on phosphorus cycles in one of China's most eutrophicated lakes. <i>Resources, Environment and Sustainability</i> , 2021, 4, 100026.	5.9	12
8	The stoichiometric signature of high-frequency fire in forest floor food webs. <i>Ecological Monographs</i> , 2021, 91, e01477.	5.4	1
9	Soil bacterial communities vary with grassland degradation in the Qinghai Lake watershed. <i>Plant and Soil</i> , 2021, 460, 541-557.	3.7	16
10	Species invasion progressively disrupts the trophic structure of native food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
11	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
12	The multi-element stoichiometry of wet eucalypt forest is transformed by recent, frequent fire. <i>Plant and Soil</i> , 2020, 447, 447-461.	3.7	9
13	Seasonal algal blooms support sediment release of phosphorus via positive feedback in a eutrophic lake: Insights from a nutrient flux tracking modeling. <i>Ecological Modelling</i> , 2020, 416, 108881.	2.5	34
14	The host mussel <i>Sinanodonta woodiana</i> alleviates negative effects of a small omnivorous fish (<i>Acheilognathus macropterus</i>) on water quality: A mesocosm experiment. <i>Freshwater Science</i> , 2020, 39, 752-761.	1.8	4
15	Key rules of life and the fading cryosphere: Impacts in alpine lakes and streams. <i>Global Change Biology</i> , 2020, 26, 6644-6656.	9.5	46
16	What maintains seasonal nitrogen limitation in hyper-eutrophic Lake Dianchi? Insights from stoichiometric three-dimensional numerical modeling. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	10
17	Bacterial Communities in Stream Biofilms in a Degrading Grassland Watershed on the Qinghai-Tibet Plateau. <i>Frontiers in Microbiology</i> , 2020, 11, 1021.	3.5	13
18	Improvement in municipal wastewater treatment alters lake nitrogen to phosphorus ratios in populated regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11566-11572.	7.1	141

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19	Mutualism is not restricted to tree-killing bark beetles and fungi: the ecological stoichiometry of secondary bark beetles, fungi, and a scavenger. <i>Ecological Entomology</i> , 2020, 45, 1134-1145.	2.2	12
20	Effects of grassland degradation on ecological stoichiometry of soil ecosystems on the Qinghai-Tibet Plateau. <i>Science of the Total Environment</i> , 2020, 722, 137910.	8.0	88
21	C:N:P stoichiometry and nutrient limitation of stream biofilms impacted by grassland degradation on the Qinghai-Tibet Plateau. <i>Biogeochemistry</i> , 2020, 150, 31-44.	3.5	8
22	Water Depth Underpins the Relative Roles and Fates of Nitrogen and Phosphorus in Lakes. <i>Environmental Science & Technology</i> , 2020, 54, 3191-3198.	10.0	247
23	Density-dependent effects of omnivorous bitterling (<i>Acheilognathus macropterus</i>) on nutrient and plankton communities: implications for lake management and restoration. <i>Hydrobiologia</i> , 2020, 847, 3309-3319.	2.0	10
24	Genomic adaptations in information processing underpin trophic strategy in a whole-ecosystem nutrient enrichment experiment. <i>ELife</i> , 2020, 9, .	6.0	21
25	Understanding mountain lakes in a changing world: introduction to the topical collection. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	18
26	Responses of leaf C:N:P stoichiometry to water supply in the desert shrub <i>Zygophyllum xanthoxylum</i> . <i>Plant Biology</i> , 2019, 21, 82-88.	3.8	20
27	Phosphorus mitigation remains critical in water protection: A review and meta-analysis from one of China's most eutrophicated lakes. <i>Science of the Total Environment</i> , 2019, 689, 1336-1347.	8.0	44
28	Impact of Nutrient and Stoichiometry Gradients on Microbial Assemblages in Erhai Lake and Its Input Streams. <i>Water (Switzerland)</i> , 2019, 11, 1711.	2.7	11
29	Linkages of stoichiometric imbalances to soil microbial respiration with increasing nitrogen addition: Evidence from a long-term grassland experiment. <i>Soil Biology and Biochemistry</i> , 2019, 138, 107580.	8.8	86
30	Cascading influences of grassland degradation on nutrient limitation in a high mountain lake and its inflow streams. <i>Ecology</i> , 2019, 100, e02755.	3.2	26
31	The stoichiometric legacy of fire regime regulates the roles of microorganisms and invertebrates in decomposition. <i>Ecology</i> , 2019, 100, e02732.	3.2	35
32	Extreme ecological stoichiometry of a bark beetle-fungus mutualism. <i>Ecological Entomology</i> , 2019, 44, 543-551.	2.2	45
33	Editorial: Emerging Frontiers in Ecological Stoichiometry. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	1
34	Ingestion and egestion of polyethylene microplastics by goldfish (<i>Carassius auratus</i>): influence of color and morphological features. <i>Heliyon</i> , 2019, 5, e03063.	3.2	82
35	Occurrence and fate of microplastic debris in middle and lower reaches of the Yangtze River - From inland to the sea. <i>Science of the Total Environment</i> , 2019, 659, 66-73.	8.0	200
36	Eco-Evolutionary Dynamics of Ecological Stoichiometry in Plankton Communities. <i>American Naturalist</i> , 2018, 192, E1-E20.	2.1	34

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37	Coping with iron limitation: a metabolomic study of <i>Synechocystis</i> sp. PCC 6803. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	7
38	The phosphorus-rich signature of fire in the soil-plant system: a global meta-analysis. <i>Ecology Letters</i> , 2018, 21, 335-344.	6.4	91
39	Creating and Maintaining a Welcoming Atmosphere for All in the Aquatic Sciences. <i>Limnology and Oceanography Bulletin</i> , 2018, 27, 21-22.	0.4	0
40	The impact of nitrogen enrichment on grassland ecosystem stability depends on nitrogen addition level. <i>Science of the Total Environment</i> , 2018, 618, 1529-1538.	8.0	51
41	High-frequency fire alters soil and plant chemistry but does not lead to nitrogen-limited growth of <i>Eucalyptus pilularis</i> seedlings. <i>Plant and Soil</i> , 2018, 432, 191-205.	3.7	5
42	Effects of rainfall manipulations on carbon exchange of cyanobacteria and moss-dominated biological soil crusts. <i>Soil Biology and Biochemistry</i> , 2018, 124, 24-31.	8.8	33
43	Editorial: Progress in Ecological Stoichiometry. <i>Frontiers in Microbiology</i> , 2018, 9, 1957.	3.5	36
44	Consumption explains intraspecific variation in nutrient recycling stoichiometry in a desert fish. <i>Ecology</i> , 2018, 99, 1552-1561.	3.2	23
45	The Effect of Nutrients and N:P Ratio on Microbial Communities: Testing the Growth Rate Hypothesis and Its Extensions in Lagunita Pond (Churince). <i>Cuatro Cielos Basin: an Endangered Hyperdiverse Oasis</i> , 2018, , 31-41.	0.4	6
46	Longitudinal variation of microbial communities in benthic biofilms and association with hydrological and physicochemical conditions in glacier-fed streams. <i>Freshwater Science</i> , 2017, 36, 479-490.	1.8	26
47	Impact of a Short Evolution Module on Students' Perceived Conflict between Religion and Evolution. <i>American Biology Teacher</i> , 2017, 79, 104-111.	0.2	57
48	Microbial functional genes elucidate environmental drivers of biofilm metabolism in glacier-fed streams. <i>Scientific Reports</i> , 2017, 7, 12668.	3.3	45
49	Nutritional imbalance suppresses migratory phenotypes of the Mongolian locust (<i>Oedaleus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 2.4 30		
50	Beyond monoculture stoichiometry studies: assessing growth, respiration, and feeding responses of three <i>Daphnia</i> species to P-enriched, low C:P lake seston. <i>Inland Waters</i> , 2017, 7, 348-357.	2.2	7
51	Does the Growth Rate Hypothesis Apply across Temperatures? Variation in the Growth Rate and Body Phosphorus of Neotropical Benthic Grazers. <i>Frontiers in Environmental Science</i> , 2017, 5, .	3.3	12
52	Impacts of Nitrogen and Phosphorus: From Genomes to Natural Ecosystems and Agriculture. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	168
53	Nutrient Stoichiometry Shapes Microbial Community Structure in an Evaporitic Shallow Pond. <i>Frontiers in Microbiology</i> , 2017, 8, 949.	3.5	62
54	Carbon:Nitrogen:Phosphorus Stoichiometry in Fungi: A Meta-Analysis. <i>Frontiers in Microbiology</i> , 2017, 8, 1281.	3.5	92

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55	Taxonomic and Functional Differences between Microbial Communities in Qinghai Lake and Its Input Streams. <i>Frontiers in Microbiology</i> , 2017, 8, 2319.	3.5	73
56	Life on the stoichiometric knife-edge: effects of high and low food C:P ratio on growth, feeding, and respiration in three <i>Daphnia</i> species. <i>Inland Waters</i> , 2016, 6, 136-146.	2.2	51
57	Effects of functional diversity loss on ecosystem functions are influenced by compensation. <i>Ecology</i> , 2016, 97, 2293-2302.	3.2	56
58	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1605-1616.	3.0	113
59	Effects of plant functional group loss on soil biota and net ecosystem exchange: a plant removal experiment in the Mongolian grassland. <i>Journal of Ecology</i> , 2016, 104, 734-743.	4.0	58
60	Interaction between lithification and resource availability in the microbialites of Río Mesquites, Cuatro Ciénegas, México. <i>Geobiology</i> , 2016, 14, 176-189.	2.4	19
61	How To Live with Phosphorus Scarcity in Soil and Sediment: Lessons from Bacteria. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4652-4662.	3.1	60
62	Ordinary stoichiometry of extraordinary microorganisms. <i>Geobiology</i> , 2016, 14, 33-53.	2.4	9
63	Long-term accumulation and transport of anthropogenic phosphorus in three river basins. <i>Nature Geoscience</i> , 2016, 9, 353-356.	12.9	282
64	Phosphorus accumulates faster than nitrogen globally in freshwater ecosystems under anthropogenic impacts. <i>Ecology Letters</i> , 2016, 19, 1237-1246.	6.4	129
65	Calcium carbonate deposition drives nutrient cycling in a calcareous headwater stream. <i>Ecological Monographs</i> , 2016, 86, 448-461.	5.4	25
66	Effects of Volcanic Pumice Inputs on Microbial Community Composition and Dissolved C/P Ratios in Lake Waters: an Experimental Approach. <i>Microbial Ecology</i> , 2016, 71, 18-28.	2.8	11
67	Intensification of phosphorus cycling in China since the 1600s. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2609-2614.	7.1	191
68	Shifts in leaf N:P stoichiometry during rehabilitation in highly alkaline bauxite processing residue sand. <i>Scientific Reports</i> , 2015, 5, 14811.	3.3	8
69	Nutrient dynamics and phytoplankton resource limitation in a deep tropical mountain lake. <i>Inland Waters</i> , 2015, 5, 371-386.	2.2	11
70	Plant nutrients do not covary with soil nutrients under changing climatic conditions. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1298-1308.	4.9	62
71	Enrichment experiment changes microbial interactions in an ultra-oligotrophic environment. <i>Frontiers in Microbiology</i> , 2015, 6, 246.	3.5	57
72	Response of a Stoichiometrically Imbalanced Ecosystem to Manipulation of Nutrient Supplies and Ratios. <i>PLoS ONE</i> , 2015, 10, e0123949.	2.5	30

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73	Dietary phosphate affects food selection, post-ingestive P fate, and performance of a polyphagous herbivore. <i>Journal of Experimental Biology</i> , 2015, 219, 64-72.	1.7	20
74	Stoichiometric impact of calcium carbonate deposition on nitrogen and phosphorus supplies in three montane streams. <i>Biogeochemistry</i> , 2015, 126, 285-300.	3.5	23
75	Does the stoichiometric carbon:phosphorus knife edge apply for predaceous copepods?. <i>Oecologia</i> , 2015, 178, 557-569.	2.0	24
76	Diet composition affects the rate and N:P ratio of fish excretion. <i>Freshwater Biology</i> , 2015, 60, 456-465.	2.4	31
77	Testing biodiversity-ecosystem functioning relationship in the world's largest grassland: overview of the IMGRE project. <i>Landscape Ecology</i> , 2015, 30, 1723-1736.	4.2	30
78	Modeling the bacterial contribution to planktonic community respiration in the regulation of solar energy and nutrient availability. <i>Ecological Complexity</i> , 2015, 23, 25-33.	2.9	8
79	Down-regulation of tissue N:P ratios in terrestrial plants by elevated CO ₂ . <i>Ecology</i> , 2015, 96, 3354-3362.	3.2	57
80	Living With Locusts: Connecting Soil Nitrogen, Locust Outbreaks, Livelihoods, and Livestock Markets. <i>BioScience</i> , 2015, 65, 551-558.	4.9	45
81	Greening the global phosphorus cycle: how green chemistry can help achieve planetary P sustainability. <i>Green Chemistry</i> , 2015, 17, 2087-2099.	9.0	170
82	Ecoenzymatic stoichiometry at the extremes: How microbes cope in an ultra-oligotrophic desert soil. <i>Soil Biology and Biochemistry</i> , 2015, 87, 34-42.	8.8	134
83	Signatures of nutrient limitation and co-limitation: responses of autotroph internal nutrient concentrations to nitrogen and phosphorus additions. <i>Oikos</i> , 2015, 124, 113-121.	2.7	109
84	Community Structure and Biogeochemical Impacts of Microbial Life on Floating Pumice. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1542-1549.	3.1	35
85	Obligate herbivory in an ancestrally carnivorous lineage: the giant panda and bamboo from the perspective of nutritional geometry. <i>Functional Ecology</i> , 2015, 29, 26-34.	3.6	160
86	Variability of rRNA Operon Copy Number and Growth Rate Dynamics of <i>Bacillus</i> Isolated from an Extremely Oligotrophic Aquatic Ecosystem. <i>Frontiers in Microbiology</i> , 2015, 6, 1486.	3.5	35
87	Regime Shift in Fertilizer Commodities Indicates More Turbulence Ahead for Food Security. <i>PLoS ONE</i> , 2014, 9, e93998.	2.5	51
88	Effects of simulated nitrogen deposition on soil respiration components and their temperature sensitivities in a semiarid grassland. <i>Soil Biology and Biochemistry</i> , 2014, 75, 113-123.	8.8	135
89	Phosphorus is a key component of the resource demands for meat, eggs, and dairy production in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4906-7.	7.1	11
90	Sustainable Phosphorus Management and the Need for a Long-Term Perspective: The Legacy Hypothesis. <i>Environmental Science & Technology</i> , 2014, 48, 8417-8419.	10.0	161

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91	Stoichiometric regulation of phytoplankton toxins. <i>Ecology Letters</i> , 2014, 17, 736-742.	6.4	144
92	High-frequency fire alters C:N:P stoichiometry in forest litter. <i>Global Change Biology</i> , 2014, 20, 2321-2331.	9.5	60
93	Prokaryotic cells separated from sediments are suitable for elemental composition analysis. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 519-529.	2.0	4
94	Grasshoppers Regulate N:P Stoichiometric Homeostasis by Changing Phosphorus Contents in Their Frass. <i>PLoS ONE</i> , 2014, 9, e103697.	2.5	29
95	Effect of volcanic eruption on nutrients, light, and phytoplankton in oligotrophic lakes. <i>Limnology and Oceanography</i> , 2013, 58, 1165-1175.	3.1	42
96	GRASP [Genomic Resource Access for Stoichioproteomics]: comparative explorations of the atomic content of 12 <i>Drosophila</i> proteomes. <i>BMC Genomics</i> , 2013, 14, 599.	2.8	2
97	Plankton dynamics under different climate conditions in tropical freshwater systems (a reply to the) <i>TJ ETQq1 1 0.784314 rgBT /Overloc</i>	2.4	14
98	Plankton dynamics under different climatic conditions in space and time. <i>Freshwater Biology</i> , 2013, 58, 463-482.	2.4	259
99	Global biogeography of autotroph chemistry: is insolation a driving force?. <i>Oikos</i> , 2013, 122, 1121-1130.	2.7	50
100	A stoichiometric producer-grazer model incorporating the effects of excess food-nutrient content on consumer dynamics. <i>Mathematical Biosciences</i> , 2013, 244, 107-115.	1.9	28
101	Ecological stoichiometry: An elementary approach using basic principles. <i>Limnology and Oceanography</i> , 2013, 58, 2219-2236.	3.1	251
102	Response of the Abundance of Key Soil Microbial Nitrogen-Cycling Genes to Multi-Factorial Global Changes. <i>PLoS ONE</i> , 2013, 8, e76500.	2.5	83
103	Genetic Manipulation of a α -Vacuolar H ⁺ -PPase: From Salt Tolerance to Yield Enhancement under Phosphorus-Deficient Soils. <i>Plant Physiology</i> , 2012, 159, 3-11.	4.8	98
104	The role of diet in phosphorus demand. <i>Environmental Research Letters</i> , 2012, 7, 044043.	5.2	114
105	Beyond the Plankton Ecology Group (PEG) Model: Mechanisms Driving Plankton Succession. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2012, 43, 429-448.	8.3	604
106	The Cuatro Ciñegas Basin in Coahuila, Mexico: An Astrobiological Precambrian Park. <i>Astrobiology</i> , 2012, 12, 641-647.	3.0	86
107	Travel, Sex, and Food: What's Speciation Got to Do with It?. <i>Astrobiology</i> , 2012, 12, 634-640.	3.0	30
108	Phosphorus: a limiting nutrient for humanity?. <i>Current Opinion in Biotechnology</i> , 2012, 23, 833-838.	6.6	259

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109	Lotka re-loaded: Modeling trophic interactions under stoichiometric constraints. <i>Ecological Modelling</i> , 2012, 245, 3-11.	2.5	49
110	Heavy Livestock Grazing Promotes Locust Outbreaks by Lowering Plant Nitrogen Content. <i>Science</i> , 2012, 335, 467-469.	12.6	180
111	On the "strict homeostasis" assumption in ecological stoichiometry. <i>Ecological Modelling</i> , 2012, 243, 81-88.	2.5	56
112	The biogeography and filtering of woody plant functional diversity in North and South America. <i>Global Ecology and Biogeography</i> , 2012, 21, 798-808.	5.8	235
113	Denitrification kinetics and denitrifier abundances in sediments of lakes receiving atmospheric nitrogen deposition (Colorado, USA). <i>Biogeochemistry</i> , 2012, 108, 39-54.	3.5	20
114	Testing the Growth Rate Hypothesis in Vascular Plants with Above- and Below-Ground Biomass. <i>PLoS ONE</i> , 2012, 7, e32162.	2.5	55
115	Greenhouse gas dynamics in lakes receiving atmospheric nitrogen deposition. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	43
116	A broken biogeochemical cycle. <i>Nature</i> , 2011, 478, 29-31.	27.8	734
117	Sustainability Challenges of Phosphorus and Food: Solutions from Closing the Human Phosphorus Cycle. <i>BioScience</i> , 2011, 61, 117-124.	4.9	412
118	A World Awash with Nitrogen. <i>Science</i> , 2011, 334, 1504-1505.	12.6	48
119	Stoichiogenomics: the evolutionary ecology of macromolecular elemental composition. <i>Trends in Ecology and Evolution</i> , 2011, 26, 38-44.	8.7	77
120	The origins of the Redfield nitrogen-to-phosphorus ratio are in a homeostatic protein-to-rRNA ratio. <i>Ecology Letters</i> , 2011, 14, 244-250.	6.4	172
121	Nutrient co-limitation of primary producer communities. <i>Ecology Letters</i> , 2011, 14, 852-862.	6.4	747
122	TRY " a global database of plant traits. <i>Global Change Biology</i> , 2011, 17, 2905-2935.	9.5	2,002
123	A transgenic approach to enhance phosphorus use efficiency in crops as part of a comprehensive strategy for sustainable agriculture. <i>Chemosphere</i> , 2011, 84, 840-845.	8.2	86
124	Joint effect of phosphorus limitation and temperature on alkaline phosphatase activity and somatic growth in <i>Daphnia magna</i> . <i>Oecologia</i> , 2011, 165, 837-846.	2.0	34
125	Stoichiometric homeostasis of vascular plants in the Inner Mongolia grassland. <i>Oecologia</i> , 2011, 166, 1-10.	2.0	171
126	Rapid top-down regulation of plant C:N:P stoichiometry by grasshoppers in an Inner Mongolia grassland ecosystem. <i>Oecologia</i> , 2011, 166, 253-264.	2.0	32

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127	Grazing exclusion alters ecosystem carbon pools in Alxa desert steppe. <i>New Zealand Journal of Agricultural Research</i> , 2011, 54, 127-142.	1.6	12
128	Molybdenum-nitrogen co-limitation in freshwater and coastal heterocystous cyanobacteria. <i>Limnology and Oceanography</i> , 2010, 55, 667-676.	3.1	38
129	Are color or high rearing density related to migratory polyphenism in the band-winged grasshopper, <i>Oedaleus asiaticus</i> ?. <i>Journal of Insect Physiology</i> , 2010, 56, 926-936.	2.0	30
130	Biological stoichiometry of plant production: metabolism, scaling and ecological response to global change. <i>New Phytologist</i> , 2010, 186, 593-608.	7.3	741
131	The evolution of biological stoichiometry under global change. <i>Oikos</i> , 2010, 119, 737-740.	2.7	14
132	Atmospheric nitrogen deposition is associated with elevated phosphorus limitation of lake zooplankton. <i>Ecology Letters</i> , 2010, 13, 1256-1261.	6.4	83
133	Linking stoichiometric homeostasis with ecosystem structure, functioning and stability. <i>Ecology Letters</i> , 2010, 13, 1390-1399.	6.4	271
134	Linking stoichiometric homeostasis with ecosystem structure, functioning, and stability. <i>Nature Precedings</i> , 2010, , .	0.1	4
135	Evidence of a general 2/3-power law of scaling leaf nitrogen to phosphorus among major plant groups and biomes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 877-883.	2.6	163
136	Atmospheric nitrogen deposition influences denitrification and nitrous oxide production in lakes. <i>Ecology</i> , 2010, 91, 528-539.	3.2	89
137	Molybdenum-nitrogen co-limitation in freshwater and coastal heterocystous cyanobacteria. <i>Limnology and Oceanography</i> , 2010, 55, 667-676.	3.1	36
138	Nutrient availability and phytoplankton nutrient limitation across a gradient of atmospheric nitrogen deposition. <i>Ecology</i> , 2009, 90, 3062-3073.	3.2	149
139	Shifts in Lake N:P Stoichiometry and Nutrient Limitation Driven by Atmospheric Nitrogen Deposition. <i>Science</i> , 2009, 326, 835-837.	12.6	655
140	Signatures of nitrogen limitation in the elemental composition of the proteins involved in the metabolic apparatus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2605-2610.	2.6	36
141	Ecological Nitrogen Limitation Shapes the DNA Composition of Plant Genomes. <i>Molecular Biology and Evolution</i> , 2009, 26, 953-956.	8.9	72
142	Soil acidity, ecological stoichiometry and allometric scaling in grassland food webs. <i>Global Change Biology</i> , 2009, 15, 2730-2738.	9.5	171
143	Herbivore metabolism and stoichiometry each constrain herbivory at different organizational scales across ecosystems. <i>Ecology Letters</i> , 2009, 12, 516-527.	6.4	144
144	Accelerate Synthesis in Ecology and Environmental Sciences. <i>BioScience</i> , 2009, 59, 699-701.	4.9	132

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145	Daphnia species invasion, competitive exclusion, and chaotic coexistence. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2009, 12, 481-493.	0.9	13
146	Microbial endemism: does phosphorus limitation enhance speciation?. <i>Nature Reviews Microbiology</i> , 2008, 6, 559-564.	28.6	87
147	A cross-system synthesis of consumer and nutrient resource control on producer biomass. <i>Ecology Letters</i> , 2008, 11, 740-755.	6.4	334
148	Importance of Exogenous Selection in a Fish Hybrid Zone: Insights from Reciprocal Transplant Experiments. <i>Copeia</i> , 2008, 2008, 794-800.	1.3	10
149	Do phosphorus requirements for RNA limit genome size in crustacean zooplankton?. <i>Genome</i> , 2008, 51, 685-691.	2.0	32
150	Scale-dependent carbon:nitrogen:phosphorus seston stoichiometry in marine and freshwaters. <i>Limnology and Oceanography</i> , 2008, 53, 1169-1180.	3.1	238
151	Stoichiometry and the New Biology: The Future Is Now. <i>PLoS Biology</i> , 2007, 5, e181.	5.6	103
152	Dynamics of Stoichiometric Bacteria-Algae Interactions in the Epilimnion. <i>SIAM Journal on Applied Mathematics</i> , 2007, 68, 503-522.	1.8	46
153	Consumer versus resource control of producer diversity depends on ecosystem type and producer community structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10904-10909.	7.1	302
154	Biological Stoichiometry in Human Cancer. <i>PLoS ONE</i> , 2007, 2, e1028.	2.5	79
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