James J Elser

List of Publications by Year
in descending order

278 papers	38,603 citations	3919 88 h-index	3173 186 g-index
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. Biogeochemistry, 2022, 158, 181-194.	1.7	8
2	Bacterial communities in surface and basal ice of a glacier terminus in the headwaters of Yangtze River on the Qinghaiâ€"Tibet Plateau. Environmental Microbiomes, 2022, 17, 12.	2.2	7
3	Microplastics in Flathead Lake, a large oligotrophic mountain lake in the USA. Environmental Pollution, 2022, 306, 119445.	3.7	19
4	Sustained stoichiometric imbalance and its ecological consequences in a large oligotrophic lake. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	16
5	Unintended nutrient imbalance induced by wastewater effluent inputs to receiving water and its ecological consequences. Frontiers of Environmental Science and Engineering, 2022, 16, .	3.3	5
6	Suitability of an Algal Biofuel Species, Scenedesmus acutus, as a Fertilizer for Growth of Conventional and Genetically Modified Lettuce. Hortscience: A Publication of the American Society for Hortcultural Science, 2021, 56, 589-594.	0.5	0
7	Human perturbation on phosphorus cycles in one of Chinaâ€™s most eutrophicated lakes. Resources, Environment and Sustainability, 2021, 4, 100026.	2.9	12
8	The stoichiometric signature of highâ€frequency fire in forest floor food webs. Ecological Monographs, 2021, 91, e01477.	2.4	1
9	Soil bacterial communities vary with grassland degradation in the Qinghai Lake watershed. Plant and Soil, 2021, 460, 541-557.	1.8	16
10	Species invasion progressively disrupts the trophic structure of native food webs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	26
11	TRY plant trait database â€" enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
12	The multi-element stoichiometry of wet eucalypt forest is transformed by recent, frequent fire. Plant and Soil, 2020, 447, 447-461.	1.8	9
13	Seasonal algal blooms support sediment release of phosphorus via positive feedback in a eutrophic lake: Insights from a nutrient flux tracking modeling. Ecological Modelling, 2020, 416, 108881.	1.2	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. Freshwater Science, 2020, 39, 752-761.	0.9	4
15	Key rules of life and the fading cryosphere: Impacts in alpine lakes and streams. Global Change Biology, 2020, 26, 6644-6656.	4.2	46
16	What maintains seasonal nitrogen limitation in hyper-eutrophic Lake Dianchi? Insights from stoichiometric three-dimensional numerical modeling. Aquatic Sciences, 2020, 82, 1.	0.6	10
17	Bacterial Communities in Stream Biofilms in a Degrading Grassland Watershed on the Qinghaiâ€"Tibet Plateau. Frontiers in Microbiology, 2020, 11, 1021.	1.5	13
18	Improvement in municipal wastewater treatment alters lake nitrogen to phosphorus ratios in populated regions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11566-11572.	3.3	141

#	ARTICLE	IF	CITATIONS
19	Mutualism is not restricted to treeâ€killing bark beetles and fungi: the ecological stoichiometry of secondary bark beetles, fungi, and a scavenger. Ecological Entomology, 2020, 45, 1134-1145.	1.1	12
20	Effects of grassland degradation on ecological stoichiometry of soil ecosystems on the Qinghai-Tibet Plateau. Science of the Total Environment, 2020, 722, 137910.	3.9	88
21	C:N:P stoichiometry and nutrient limitation of stream biofilms impacted by grassland degradation on the Qinghai-Tibet Plateau. Biogeochemistry, 2020, 150, 31-44.	1.7	8
22	Water Depth Underpins the Relative Roles and Fates of Nitrogen and Phosphorus in Lakes. Environmental Science & Technology, 2020, 54, 3191-3198.	4.6	247
23	Density-dependent effects of omnivorous bitterling (Acheilognathus macropterus) on nutrient and plankton communities: implications for lake management and restoration. Hydrobiologia, 2020, 847, 3309-3319.	1.0	10
24	Genomic adaptations in information processing underpin trophic strategy in a whole-ecosystem nutrient enrichment experiment. ELife, 2020, 9, .	2.8	21
25	Understanding mountain lakes in a changing world: introduction to the topical collection. Aquatic Sciences, 2020, 82, 1.	0.6	18
26	Responses of leaf C:N:P stoichiometry to water supply in the desert shrub <i>Zygophyllum xanthoxylum</i>. Plant Biology, 2019, 21, 82-88.	1.8	20
27	Phosphorus mitigation remains critical in water protection: A review and meta-analysis from one of China's most eutrophicated lakes. Science of the Total Environment, 2019, 689, 1336-1347.	3.9	44
28	Impact of Nutrient and Stoichiometry Gradients on Microbial Assemblages in Erhai Lake and Its Input Streams. Water (Switzerland), 2019, 11, 1711.	1.2	11
29	Linkages of stoichiometric imbalances to soil microbial respiration with increasing nitrogen addition: Evidence from a long-term grassland experiment. Soil Biology and Biochemistry, 2019, 138, 107580.	4.2	86
30	Cascading influences of grassland degradation on nutrient limitation in a high mountain lake and its inflow streams. Ecology, 2019, 100, e02755.	1.5	26
31	The stoichiometric legacy of fire regime regulates the roles of microâ€organisms and invertebrates in decomposition. Ecology, 2019, 100, e02732.	1.5	35
32	Extreme ecological stoichiometry of a bark beetleâ€"fungus mutualism. Ecological Entomology, 2019, 44, 543-551.	1.1	45
33	Editorial: Emerging Frontiers in Ecological Stoichiometry. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	1
34	Ingestion and egestion of polyethylene microplastics by goldfish (Carassius auratus): influence of color and morphological features. Heliyon, 2019, 5, e03063.	1.4	82
35	Occurrence and fate of microplastic debris in middle and lower reaches of the Yangtze River â€" From inland to the sea. Science of the Total Environment, 2019, 659, 66-73.	3.9	200
36	Eco-Evolutionary Dynamics of Ecological Stoichiometry in Plankton Communities. American Naturalist, 2018, 192, E1-E20.	1.0	34

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37	Coping with iron limitation: a metabolomic study of SynechocystisÂsp. PCC 6803. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	7
38	The phosphorusâ€rich signature of fire in the soilâ€“plant system: a global metaâ€analysis. Ecology Letters, 2018, 21, 335-344.	3.0	91
39	Creating and Maintaining a Welcoming Atmosphere for All in the Aquatic Sciences. Limnology and Oceanography Bulletin, 2018, 27, 21-22.	0.2	0
40	The impact of nitrogen enrichment on grassland ecosystem stability depends on nitrogen addition level. Science of the Total Environment, 2018, 618, 1529-1538.	3.9	51
41	High-frequency fire alters soil and plant chemistry but does not lead to nitrogen-limited growth of Eucalyptus pilularis seedlings. Plant and Soil, 2018, 432, 191-205.	1.8	5
42	Effects of rainfall manipulations on carbon exchange of cyanobacteria and moss-dominated biological soil crusts. Soil Biology and Biochemistry, 2018, 124, 24-31.	4.2	33
43	Editorial: Progress in Ecological Stoichiometry. Frontiers in Microbiology, 2018, 9, 1957.	1.5	36
44	Consumption explains intraspecific variation in nutrient recycling stoichiometry in a desert fish. Ecology, 2018, 99, 1552-1561.	1.5	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). Cuatro Cieǹegas Basin: an Endangered Hyperdiverse Oasis, 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. Freshwater Science, 2017, 36, 479-490.	0.9	26
47	Impact of a Short Evolution Module on Studentsâ€™ Perceived Conflict between Religion and Evolution. American Biology Teacher, 2017, 79, 104-111.	0.1	57
48	Microbial functional genes elucidate environmental drivers of biofilm metabolism in glacier-fed streams. Scientific Reports, 2017, 7, 12668.	1.6	45
49	Nutritional imbalance suppresses migratory phenotypes of the Mongolian locust (<i>Oedaleus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	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. Inland Waters, 2017, 7, 348-357.	1.1	7
51	Does the Growth Rate Hypothesis Apply across Temperatures? Variation in the Growth Rate and Body Phosphorus of Neotropical Benthic Grazers. Frontiers in Environmental Science, 2017, 5, .	1.5	12
52	Impacts of Nitrogen and Phosphorus: From Genomes to Natural Ecosystems and Agriculture. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	168
53	Nutrient Stoichiometry Shapes Microbial Community Structure in an Evaporitic Shallow Pond. Frontiers in Microbiology, 2017, 8, 949.	1.5	62
54	Carbon:Nitrogen:Phosphorus Stoichiometry in Fungi: A Meta-Analysis. Frontiers in Microbiology, 2017, 8, 1281.	1.5	92

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55	Taxonomic and Functional Differences between Microbial Communities in Qinghai Lake and Its Input Streams. Frontiers in Microbiology, 2017, 8, 2319.	1.5	73
56	Life on the stoichiometric knife-edge: effects of high and low food C:P ratio on growth, feeding, and respiration in three Daphnia species. Inland Waters, 2016, 6, 136-146.	1.1	51
57	Effects of functional diversity loss on ecosystem functions are influenced by compensation. Ecology, 2016, 97, 2293-2302.	1.5	56
58	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1605-1616.	1.3	113
59	Effects of plant functional group loss on soil biota and net ecosystem exchange: a plant removal experiment in the Mongolian grassland. Journal of Ecology, 2016, 104, 734-743.	1.9	58
60	Interaction between lithification and resource availability in the microbialites of RÃo Mesquites, Cuatro CiÃ©negas, MÃ©xico. Geobiology, 2016, 14, 176-189.	1.1	19
61	How To Live with Phosphorus Scarcity in Soil and Sediment: Lessons from Bacteria. Applied and Environmental Microbiology, 2016, 82, 4652-4662.	1.4	60
62	Ordinary stoichiometry of extraordinary microorganisms. Geobiology, 2016, 14, 33-53.	1.1	9
63	Long-term accumulation and transport of anthropogenic phosphorus in three river basins. Nature Geoscience, 2016, 9, 353-356.	5.4	282
64	Phosphorus accumulates faster than nitrogen globally in freshwater ecosystems under anthropogenic impacts. Ecology Letters, 2016, 19, 1237-1246.	3.0	129
65	Calcium carbonate deposition drives nutrient cycling in a calcareous headwater stream. Ecological Monographs, 2016, 86, 448-461.	2.4	25
66	Effects of Volcanic Pumice Inputs on Microbial Community Composition and Dissolved C/P Ratios in Lake Waters: an Experimental Approach. Microbial Ecology, 2016, 71, 18-28.	1.4	11
67	Intensification of phosphorus cycling in China since the 1600s. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2609-2614.	3.3	191
68	Shifts in leaf N:P stoichiometry during rehabilitation in highly alkaline bauxite processing residue sand. Scientific Reports, 2015, 5, 14811.	1.6	8
69	Nutrient dynamics and phytoplankton resource limitation in a deep tropical mountain lake. Inland Waters, 2015, 5, 371-386.	1.1	11
70	Plant nutrients do not covary with soil nutrients under changing climatic conditions. Global Biogeochemical Cycles, 2015, 29, 1298-1308.	1.9	62
71	Enrichment experiment changes microbial interactions in an ultra-oligotrophic environment. Frontiers in Microbiology, 2015, 6, 246.	1.5	57
72	Response of a Stoichiometrically Imbalanced Ecosystem to Manipulation of Nutrient Supplies and Ratios. PLoS ONE, 2015, 10, e0123949.	1.1	30

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73	Dietary phosphate affects food selection, post-ingestive P fate, and performance of a polyphagous herbivore. Journal of Experimental Biology, 2015, 219, 64-72.	0.8	20
74	Stoichiometric impact of calcium carbonate deposition on nitrogen and phosphorus supplies in three montane streams. Biogeochemistry, 2015, 126, 285-300.	1.7	23
75	Does the stoichiometric carbon:phosphorus knife edge apply for predaceous copepods?. Oecologia, 2015, 178, 557-569.	0.9	24
76	Diet composition affects the rate and N:P ratio of fish excretion. Freshwater Biology, 2015, 60, 456-465.	1.2	31
77	Testing biodiversity-ecosystem functioning relationship in the worldâ€™s largest grassland: overview of the IMGRE project. Landscape Ecology, 2015, 30, 1723-1736.	1.9	30
78	Modeling the bacterial contribution to planktonic community respiration in the regulation of solar energy and nutrient availability. Ecological Complexity, 2015, 23, 25-33.	1.4	8
79	Downâ€regulation of tissue N:P ratios in terrestrial plants by elevated CO₂. Ecology, 2015, 96, 3354-3362.	1.5	57
80	Living With Locusts: Connecting Soil Nitrogen, Locust Outbreaks, Livelihoods, and Livestock Markets. BioScience, 2015, 65, 551-558.	2.2	45
81	Greening the global phosphorus cycle: how green chemistry can help achieve planetary P sustainability. Green Chemistry, 2015, 17, 2087-2099.	4.6	170
82	Ecoenzymatic stoichiometry at the extremes: How microbes cope in an ultra-oligotrophic desert soil. Soil Biology and Biochemistry, 2015, 87, 34-42.	4.2	134
83	Signatures of nutrient limitation and coâ€limitation: responses of autotroph internal nutrient concentrations to nitrogen and phosphorus additions. Oikos, 2015, 124, 113-121.	1.2	109
84	Community Structure and Biogeochemical Impacts of Microbial Life on Floating Pumice. Applied and Environmental Microbiology, 2015, 81, 1542-1549.	1.4	35
85	Obligate herbivory in an ancestrally carnivorous lineage: the giant panda and bamboo from the perspective of nutritional geometry. Functional Ecology, 2015, 29, 26-34.	1.7	160
86	Variability of rRNA Operon Copy Number and Growth Rate Dynamics of Bacillus Isolated from an Extremely Oligotrophic Aquatic Ecosystem. Frontiers in Microbiology, 2015, 6, 1486.	1.5	35
87	Regime Shift in Fertilizer Commodities Indicates More Turbulence Ahead for Food Security. PLoS ONE, 2014, 9, e93998.	1.1	51
88	Effects of simulated nitrogen deposition on soil respiration components and their temperature sensitivities in a semiarid grassland. Soil Biology and Biochemistry, 2014, 75, 113-123.	4.2	135
89	Phosphorus is a key component of the resource demands for meat, eggs, and dairy production in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4906-7.	3.3	11
90	Sustainable Phosphorus Management and the Need for a Long-Term Perspective: The Legacy Hypothesis. Environmental Science & Technology, 2014, 48, 8417-8419.	4.6	161

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91	Stoichiometric regulation of phytoplankton toxins. Ecology Letters, 2014, 17, 736-742.	3.0	144
92	Highâ€frequency fire alters CÂ:ÂNÂ:ÂP stoichiometry in forest litter. Global Change Biology, 2014, 20, 2321-2331.	4.2	60
93	Prokaryotic cells separated from sediments are suitable for elemental composition analysis. Limnology and Oceanography: Methods, 2014, 12, 519-529.	1.0	4
94	Grasshoppers Regulate N:P Stoichiometric Homeostasis by Changing Phosphorus Contents in Their Frass. PLoS ONE, 2014, 9, e103697.	1.1	29
95	Effect of volcanic eruption on nutrients, light, and phytoplankton in oligotrophic lakes. Limnology and Oceanography, 2013, 58, 1165-1175.	1.6	42
96	GRASP [Genomic Resource Access for Stoichioproteomics]: comparative explorations of the atomic content of 12 Drosophila proteomes. BMC Genomics, 2013, 14, 599.	1.2	2
97	Plankton dynamics under different climate conditions in tropical freshwater systems (a reply to the) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	14
98	Plankton dynamics under different climatic conditions in space and time. Freshwater Biology, 2013, 58, 463-482.	1.2	259
99	Global biogeography of autotroph chemistry: is insolation a driving force?. Oikos, 2013, 122, 1121-1130.	1.2	50
100	A stoichiometric producer-grazer model incorporating the effects of excess food-nutrient content on consumer dynamics. Mathematical Biosciences, 2013, 244, 107-115.	0.9	28
101	Ecological stoichiometry: An elementary approach using basic principles. Limnology and Oceanography, 2013, 58, 2219-2236.	1.6	251
102	Response of the Abundance of Key Soil Microbial Nitrogen-Cycling Genes to Multi-Factorial Global Changes. PLoS ONE, 2013, 8, e76500.	1.1	83
103	Genetic Manipulation of a â€œVacuolarâ€•H+-PPase: From Salt Tolerance to Yield Enhancement under Phosphorus-Deficient Soils. Plant Physiology, 2012, 159, 3-11.	2.3	98
104	The role of diet in phosphorus demand. Environmental Research Letters, 2012, 7, 044043.	2.2	114
105	Beyond the Plankton Ecology Group (PEG) Model: Mechanisms Driving Plankton Succession. Annual Review of Ecology, Evolution, and Systematics, 2012, 43, 429-448.	3.8	604
106	The Cuatro CiÃ©negas Basin in Coahuila, Mexico: An Astrobiological Precambrian Park. Astrobiology, 2012, 12, 641-647.	1.5	86
107	Travel, Sex, and Food: What's Speciation Got to Do with It?. Astrobiology, 2012, 12, 634-640.	1.5	30
108	Phosphorus: a limiting nutrient for humanity?. Current Opinion in Biotechnology, 2012, 23, 833-838.	3.3	259

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109	Lotka re-loaded: Modeling trophic interactions under stoichiometric constraints. Ecological Modelling, 2012, 245, 3-11.	1.2	49
110	Heavy Livestock Grazing Promotes Locust Outbreaks by Lowering Plant Nitrogen Content. Science, 2012, 335, 467-469.	6.0	180
111	On the â€œstrict homeostasisâ€•assumption in ecological stoichiometry. Ecological Modelling, 2012, 243, 81-88.	1.2	56
112	The biogeography and filtering of woody plant functional diversity in North and South America. Global Ecology and Biogeography, 2012, 21, 798-808.	2.7	235
113	Denitrification kinetics and denitrifier abundances in sediments of lakes receiving atmospheric nitrogen deposition (Colorado, USA). Biogeochemistry, 2012, 108, 39-54.	1.7	20
114	Testing the Growth Rate Hypothesis in Vascular Plants with Above- and Below-Ground Biomass. PLoS ONE, 2012, 7, e32162.	1.1	55
115	Greenhouse gas dynamics in lakes receiving atmospheric nitrogen deposition. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	1.9	43
116	A broken biogeochemical cycle. Nature, 2011, 478, 29-31.	13.7	734
117	Sustainability Challenges of Phosphorus and Food: Solutions from Closing the Human Phosphorus Cycle. BioScience, 2011, 61, 117-124.	2.2	412
118	A World Awash with Nitrogen. Science, 2011, 334, 1504-1505.	6.0	48
119	Stoichiogenomics: the evolutionary ecology of macromolecular elemental composition. Trends in Ecology and Evolution, 2011, 26, 38-44.	4.2	77
120	The origins of the Redfield nitrogen-to-phosphorus ratio are in a homoeostatic protein-to-rRNA ratio. Ecology Letters, 2011, 14, 244-250.	3.0	172
121	Nutrient coâ€limitation of primary producer communities. Ecology Letters, 2011, 14, 852-862.	3.0	747
122	TRY â€" a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	4.2	2,002
123	A transgenic approach to enhance phosphorus use efficiency in crops as part of a comprehensive strategy for sustainable agriculture. Chemosphere, 2011, 84, 840-845.	4.2	86
124	Joint effect of phosphorus limitation and temperature on alkaline phosphatase activity and somatic growth in Daphnia magna. Oecologia, 2011, 165, 837-846.	0.9	34
125	Stoichiometric homeostasis of vascular plants in the Inner Mongolia grassland. Oecologia, 2011, 166, 1-10.	0.9	171
126	Rapid topâ€"down regulation of plant C:N:P stoichiometry by grasshoppers in an Inner Mongolia grassland ecosystem. Oecologia, 2011, 166, 253-264.	0.9	32

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127	Grazing exclusion alters ecosystem carbon pools in Alxa desert steppe. New Zealand Journal of Agricultural Research, 2011, 54, 127-142.	0.9	12
128	Molybdenumâ€"nitrogen coâ€limitation in freshwater and coastal heterocystous cyanobacteria. Limnology and Oceanography, 2010, 55, 667-676.	1.6	38
129	Are color or high rearing density related to migratory polyphenism in the band-winged grasshopper, Oedaleus asiaticus?. Journal of Insect Physiology, 2010, 56, 926-936.	0.9	30
130	Biological stoichiometry of plant production: metabolism, scaling and ecological response to global change. New Phytologist, 2010, 186, 593-608.	3.5	741
131	The evolution of biological stoichiometry under global change. Oikos, 2010, 119, 737-740.	1.2	14
132	Atmospheric nitrogen deposition is associated with elevated phosphorus limitation of lake zooplankton. Ecology Letters, 2010, 13, 1256-1261.	3.0	83
133	Linking stoichiometric homoeostasis with ecosystem structure, functioning and stability. Ecology Letters, 2010, 13, 1390-1399.	3.0	271
134	Linking stoichiometric homeostasis with ecosystem structure, functioning, and stability. Nature Precedings, 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. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 877-883.	1.2	163
136	Atmospheric nitrogen deposition influences denitrification and nitrous oxide production in lakes. Ecology, 2010, 91, 528-539.	1.5	89
137	Molybdenum-nitrogen co-limitation in freshwater and coastal heterocystous cyanobacteria. Limnology and Oceanography, 2010, 55, 667-676.	1.6	36
138	Nutrient availability and phytoplankton nutrient limitation across a gradient of atmospheric nitrogen deposition. Ecology, 2009, 90, 3062-3073.	1.5	149
139	Shifts in Lake N:P Stoichiometry and Nutrient Limitation Driven by Atmospheric Nitrogen Deposition. Science, 2009, 326, 835-837.	6.0	655
140	Signatures of nitrogen limitation in the elemental composition of the proteins involved in the metabolic apparatus. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2605-2610.	1.2	36
141	Ecological Nitrogen Limitation Shapes the DNA Composition of Plant Genomes. Molecular Biology and Evolution, 2009, 26, 953-956.	3.5	72
142	Soil acidity, ecological stoichiometry and allometric scaling in grassland food webs. Global Change Biology, 2009, 15, 2730-2738.	4.2	171
143	Herbivore metabolism and stoichiometry each constrain herbivory at different organizational scales across ecosystems. Ecology Letters, 2009, 12, 516-527.	3.0	144
144	Accelerate Synthesis in Ecology and Environmental Sciences. BioScience, 2009, 59, 699-701.	2.2	132

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145	Daphnia species invasion, competitive exclusion, and chaotic coexistence. Discrete and Continuous Dynamical Systems - Series B, 2009, 12, 481-493.	0.5	13
146	Microbial endemism: does phosphorus limitation enhance speciation?. Nature Reviews Microbiology, 2008, 6, 559-564.	13.6	87
147	A crossâ€system synthesis of consumer and nutrient resource control on producer biomass. Ecology Letters, 2008, 11, 740-755.	3.0	334
148	Importance of Exogenous Selection in a Fish Hybrid Zone: Insights from Reciprocal Transplant Experiments. Copeia, 2008, 2008, 794-800.	1.4	10
149	Do phosphorus requirements for RNA limit genome size in crustacean zooplankton?. Genome, 2008, 51, 685-691.	0.9	32
150	Scaleâ€dependent carbon:nitrogen:phosphorus seston stoichiometry in marine and freshwaters. Limnology and Oceanography, 2008, 53, 1169-1180.	1.6	238
151	Stoichiometry and the New Biology: The Future Is Now. PLoS Biology, 2007, 5, e181.	2.6	103
152	Dynamics of Stoichiometric Bacteria-Algae Interactions in the Epilimnion. SIAM Journal on Applied Mathematics, 2007, 68, 503-522.	0.8	46
153	Consumer versus resource control of producer diversity depends on ecosystem type and producer community structure. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10904-10909.	3.3	302
154	Biological Stoichiometry in Human Cancer. PLoS ONE, 2007, 2, e1028.	1.1	79
155	Global analysis of nitrogen and phosphorus limitation of primary producers in freshwater, marine and terrestrial ecosystems. Ecology Letters, 2007, 10, 1135-1142.	3.0	3,460
156	The effect of hostChlorella NC64Acarbonâ€ƒ:â€ƒphosphorus ratio on the production ofParamecium bursaria Chlorella Virus-1. Freshwater Biology, 2007, 52, 112-122.	1.2	68
157	RNA responses to Nâ€•and Pâ€limitation; reciprocal regulation of stoichiometry and growth rate in <i>Brachionus</i>. Functional Ecology, 2007, 21, 956-962.	1.7	79
158	Stoichiometric response of nitrogen-fixing and non-fixing dicots to manipulations of CO2, nitrogen, and diversity. Oecologia, 2007, 151, 687-696.	0.9	64
159	Biological Stoichiometry: A Chemical Bridge between Ecosystem Ecology and Evolutionary Biology. American Naturalist, 2006, 168, S25-S35.	1.0	117
160	Phylogenetic and Growth Form Variation in the Scaling of Nitrogen and Phosphorus in the Seed Plants. American Naturalist, 2006, 168, E103-E122.	1.0	383
161	Consumer growth linked to diet and RNA-P stoichiometry: Response of Bosmina to variation in riverine food resources. Limnology and Oceanography, 2006, 51, 1859-1869.	1.6	14
162	Early Cambrian food webs on a trophic knife-edge? A hypothesis and preliminary data from a modern stromatolite-based ecosystem. Ecology Letters, 2006, 9, 295-303.	3.0	71

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163	Coupling of growth rate and body stoichiometry in Daphnia: a role for maintenance processes?. Freshwater Biology, 2006, 51, 2087-2095.	1.2	29
164	Ontogenetic coupling of growth rate with RNA and P contents in five species of Drosophila. Functional Ecology, 2006, 20, 846-856.	1.7	36
165	Signalling and phosphorus: correlations between mate signalling effort and body elemental composition in crickets. Animal Behaviour, 2006, 72, 899-907.	0.8	34
166	Biological stoichiometry of growth in Drosophila melanogaster. Journal of Insect Physiology, 2006, 52, 187-193.	0.9	36
167	TOO MUCH OF A GOOD THING: ON STOICHIOMETRICALLY BALANCED DIETS AND MAXIMAL GROWTH. Ecology, 2006, 87, 1325-1330.	1.5	218
168	Signatures of Ecological Resource Availability in the Animal and Plant Proteomes. Molecular Biology and Evolution, 2006, 23, 1946-1951.	3.5	65
169	An endangered oasis of aquatic microbial biodiversity in the Chihuahuan desert. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6565-6570.	3.3	197
170	TOO MUCH OF A GOOD THING: ON STOICHIOMETRICALLY BALANCED DIETS AND MAXIMAL GROWTH. , 2006, 87, 1325.		2
171	Biological Stoichiometry: A Chemical Bridge between Ecosystem Ecology and Evolutionary Biology. American Naturalist, 2006, 168, S25.	1.0	2
172	Plant allometry, stoichiometry and the temperature-dependence of primary productivity. Global Ecology and Biogeography, 2005, 14, 585-598.	2.7	259
173	Effects of phosphorus enrichment and grazing snails on modern stromatolitic microbial communities. Freshwater Biology, 2005, 50, 1808-1825.	1.2	116
174	Response of grazing snails to phosphorus enrichment of modern stromatolitic microbial communities. Freshwater Biology, 2005, 50, 1826-1835.	1.2	60
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