

Global analysis of nitrogen and phosphorus limitation of freshwater, marine and terrestrial ecosystems

Ecology Letters

10, 1135-1142

DOI: [10.1111/j.1461-0248.2007.01113.x](https://doi.org/10.1111/j.1461-0248.2007.01113.x)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of Active vs. Passive Recovery on Work Performed During Serial Supramaximal Exercise Tests. <i>International Journal of Sports Medicine</i> , 2004, 25, 109-114.	0.8	54
2	Nutrients in synergy. <i>Nature</i> , 2007, 449, 1000-1001.	13.7	115
3	Detritivory: stoichiometry of a neglected trophic level. <i>Ecological Research</i> , 2008, 23, 487-491.	0.7	85
4	Nitrate uptake rate in anoxic profundal sediments from a eutrophic reservoir. <i>Hydrobiologia</i> , 2008, 610, 297-306.	1.0	6
5	Effects of Herbivory, Fire and N ₂ -fixation on Nutrient Limitation in a Humid African Savanna. <i>Ecosystems</i> , 2008, 11, 991-1004.	1.6	80
6	Temporal organization of phytoplankton communities linked to physical forcing. <i>Oecologia</i> , 2008, 156, 179-192.	0.9	157
7	Linking limitation to species composition: importance of inter- and intra-specific variation in grazing resistance. <i>Oecologia</i> , 2008, 155, 797-808.	0.9	10
8	Control of Lacustrine Phytoplankton by Nutrients: Erosion of the Phosphorus Paradigm. <i>International Review of Hydrobiology</i> , 2008, 93, 446-465.	0.5	316
9	Nutritional Limitation Travels up the Food Chain. <i>International Review of Hydrobiology</i> , 2008, 93, 479-488.	0.5	107
10	On the Phosphorus Limitation Paradigm for Lakes. <i>International Review of Hydrobiology</i> , 2008, 93, 433-445.	0.5	248
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16	Global response patterns of terrestrial plant species to nitrogen addition. <i>New Phytologist</i> , 2008, 179, 428-439.	3.5	579
17	A cross-system synthesis of consumer and nutrient resource control on producer biomass. <i>Ecology Letters</i> , 2008, 11, 740-755.	3.0	334
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38	Nitrogen versus phosphorus demand in a detritus-based headwater stream: what drives microbial to ecosystem response?. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 651-655.	0.1	2
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42	Carbon-nitrogen interactions regulate climate-carbon cycle feedbacks: results from an atmosphere-ocean general circulation model. <i>Biogeosciences</i> , 2009, 6, 2099-2120.	1.3	399
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74	Global warming and eutrophication: effects on water chemistry and autotrophic communities in experimental hypertrophic shallow lake mesocosms. <i>Journal of Applied Ecology</i> , 2009, 46, 713-723.	1.9	187
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113	The phosphorus status of northern hardwoods differs by species but is unaffected by nitrogen fertilization. <i>Biogeochemistry</i> , 2010, 97, 159-181.	1.7	62
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116	Maximum growing depth of macrophytes in Loch Leven, Scotland, United Kingdom, in relation to historical changes in estimated phosphorus loading. <i>Hydrobiologia</i> , 2010, 646, 123-131.	1.0	35
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824	Autumn leaf subsidies influence spring dynamics of freshwater plankton communities. <i>Oecologia</i> , 2015, 178, 875-885.	0.9	11
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826	Free-living nitrogen fixation responds to elevated nutrient inputs in tropical montane forest floor and canopy soils of southern Ecuador. <i>Biogeochemistry</i> , 2015, 122, 281-294.	1.7	43

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949	Nitrogen, phosphorus, and eutrophication in streams. <i>Inland Waters</i> , 2016, 6, 155-164.	1.1	404
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959	Responses and sensitivity of N, P and mobile carbohydrates of dominant species to increased water, N and P availability in semi-arid grasslands in northern China. <i>Journal of Plant Ecology</i> , 2016, , rtw053.	1.2	9
960	How To Live with Phosphorus Scarcity in Soil and Sediment: Lessons from Bacteria. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4652-4662.	1.4	60
961	A review of the global ecology, genomics, and biogeography of the toxic cyanobacterium, <i>Microcystis</i> spp.. <i>Harmful Algae</i> , 2016, 54, 4-20.	2.2	776
962	The dual role of nitrogen supply in controlling the growth and toxicity of cyanobacterial blooms. <i>Harmful Algae</i> , 2016, 54, 87-97.	2.2	318
963	Isotopic signature of atmospheric phosphate emitted from coal combustion. <i>Atmospheric Environment</i> , 2016, 136, 22-30.	1.9	15
964	Impacts of land use and climate variability on algal communities since ~1850 CE in an oligotrophic estuary in northeastern New Brunswick, Canada. <i>Journal of Paleolimnology</i> , 2016, 55, 151-165.	0.8	11
965	Revisiting Burton and Likens (1975): Nutrient Standing Stock and Biomass of a Terrestrial Salamander in the Midwestern United States. <i>Copeia</i> , 2016, 104, 165-171.	1.4	20
966	Effects of P addition on plant C:N:P stoichiometry in an N-limited temperate wetland of Northeast China. <i>Science of the Total Environment</i> , 2016, 559, 1-6.	3.9	57
967	Functional groups' performances as influenced by nitrogen, phosphorus and nodule inhibition of legumes. <i>Journal of Plant Ecology</i> , 2016, 9, 784-791.	1.2	4
968	Effects of variation in carbon, nitrogen, and phosphorus molarity and stoichiometry on sex determination in the fern <i>Ceratopteris richardii</i> . <i>Botany</i> , 2016, 94, 249-259.	0.5	7
969	Nutrient allocation among plant organs across 13 tree species in three Bornean rain forests with contrasting nutrient availabilities. <i>Journal of Plant Research</i> , 2016, 129, 675-684.	1.2	15
970	The influence of balanced and imbalanced resource supply on biodiversity-functioning relationship across ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150283.	1.8	43
971	Dominance of ammonia-oxidizing archaea community induced by land use change from Masson pine to eucalypt plantation in subtropical China. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6859-6869.	1.7	10
972	Submerged macrophyte decline in shallow lakes: What have we learnt in the last forty years?. <i>Aquatic Botany</i> , 2016, 135, 37-45.	0.8	213
973	Spatial patterns and environmental controls of particulate organic carbon in surface waters in the conterminous United States. <i>Science of the Total Environment</i> , 2016, 554-555, 266-275.	3.9	18
974	Species origin affects the rate of response to inter-annual growing season precipitation and nutrient addition in four Australian native grasslands. <i>Journal of Vegetation Science</i> , 2016, 27, 1164-1176.	1.1	18
975	Polyphosphate plays a vital role in the phosphorus dynamics of stream periphyton. <i>Freshwater Science</i> , 2016, 35, 490-502.	0.9	26

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977	Effects of internal loading on phosphorus distribution in the Taihu Lake driven by wind waves and lake currents. <i>Environmental Pollution</i> , 2016, 219, 760-773.	3.7	117
978	It Takes Two to Tango: When and Where Dual Nutrient (N & P) Reductions Are Needed to Protect Lakes and Downstream Ecosystems. <i>Environmental Science & Technology</i> , 2016, 50, 10805-10813.	4.6	483
979	The effect of increased nitrogen load on phytoplankton in a phosphorus-limited lake. <i>Freshwater Biology</i> , 2016, 61, 1966-1980.	1.2	15
980	Seasonal variation exceeds effects of salmon carcass additions on benthic food webs in the Elwha River. <i>Ecosphere</i> , 2016, 7, e01422.	1.0	32
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982	The Palaearctic steppe biome: a new synthesis. <i>Biodiversity and Conservation</i> , 2016, 25, 2197-2231.	1.2	167
983	Tight coupling of leaf area index to canopy nitrogen and phosphorus across heterogeneous tallgrass prairie communities. <i>Oecologia</i> , 2016, 182, 889-898.	0.9	7
984	Freshwater Bacteria Release Methane as a By-Product of Phosphorus Acquisition. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6994-7003.	1.4	87
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986	Nitrogen limitation of algal biofilms in coastal wetlands of Lakes Michigan and Huron. <i>Freshwater Science</i> , 2016, 35, 25-40.	0.9	17
987	Primary production enhancement in a shallow seamount (Gorringe " Northeast Atlantic). <i>Journal of Marine Systems</i> , 2016, 164, 13-29.	0.9	19
988	Metabolism of poplar salicinoids by the generalist herbivore <i>Lymantria dispar</i> (Lepidoptera). <i>Insect Biochemistry and Molecular Biology</i> , 2016, 78, 39-49.	1.2	25
989	Phosphorus accumulates faster than nitrogen globally in freshwater ecosystems under anthropogenic impacts. <i>Ecology Letters</i> , 2016, 19, 1237-1246.	3.0	129
990	Soil-nutrient availability and the nutrient-use efficiencies of forests along an altitudinal gradient on Yakushima Island, Japan. <i>Ecological Research</i> , 2016, 31, 719-730.	0.7	15
991	Critical nutrient thresholds needed to control eutrophication and synergistic interactions between phosphorus and different nitrogen sources. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21008-21019.	2.7	62
992	Phosphorus retention in a lowland Neotropical stream following an eight-year enrichment experiment. <i>Freshwater Science</i> , 2016, 35, 1-11.	0.9	14
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995	Dynamic patterns of nitrogen: Phosphorus ratios in forest soils of China under changing environment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2410-2421.	1.3	48
996	Interactive effects of three pervasive marine stressors in a post-disturbance coral reef. <i>Coral Reefs</i> , 2016, 35, 1281-1293.	0.9	25
997	Nitrogen deposition promotes phosphorus uptake of plants in a semi-arid temperate grassland. <i>Plant and Soil</i> , 2016, 408, 475-484.	1.8	41
998	Contrasting effects of exogenous phosphorus application on N ₂ O emissions from two tropical forest soils with contrasting phosphorus availability. <i>SpringerPlus</i> , 2016, 5, 1237.	1.2	13
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1000	Addition of multiple limiting resources reduces grassland diversity. <i>Nature</i> , 2016, 537, 93-96.	13.7	355
1001	Key ecological responses to nitrogen are altered by climate change. <i>Nature Climate Change</i> , 2016, 6, 836-843.	8.1	261
1002	Phosphorus adsorption on natural sediments with different pH incorporating surface morphology characterization. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18883-18891.	2.7	21
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1004	Stage-dependent stoichiometric homeostasis and responses of nutrient resorption in <i>Amaranthus mangostanus</i> to nitrogen and phosphorus addition. <i>Scientific Reports</i> , 2016, 6, 37219.	1.6	27
1005	Responses of plant functional groups to natural nitrogen fertility on an alpine grassland in the Qinghai-Tibet plateau. <i>Russian Journal of Ecology</i> , 2016, 47, 532-539.	0.3	4
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1009	Effects of experimental nutrient loading on phosphorus uptake by biofilms: evidence for nutrient saturation in mid-Atlantic streams. <i>Freshwater Science</i> , 2016, 35, 503-517.	0.9	8
1010	The INtegrated CAtchment model of phosphorus dynamics (INCA-P): Description and demonstration of new model structure and equations. <i>Environmental Modelling and Software</i> , 2016, 83, 356-386.	1.9	42
1011	Global change effects on humid tropical forests: Evidence for biogeochemical and biodiversity shifts at an ecosystem scale. <i>Reviews of Geophysics</i> , 2016, 54, 523-610.	9.0	73

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1013	The balance between nitrogen fixation and denitrification on vegetated and non-vegetated intertidal sediments. <i>Limnology and Oceanography</i> , 2016, 61, 2058-2075.	1.6	41
1014	No Evidence That Nitrogen Limitation Influences the Elemental Composition of Isopod Transcriptomes and Proteomes. <i>Molecular Biology and Evolution</i> , 2016, 33, 2605-2620.	3.5	9
1015	The Greenland Ice Sheet as a hot spot of phosphorus weathering and export in the Arctic. <i>Global Biogeochemical Cycles</i> , 2016, 30, 191-210.	1.9	137
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1017	Stimulation of terrestrial ecosystem carbon storage by nitrogen addition: a meta-analysis. <i>Scientific Reports</i> , 2016, 6, 19895.	1.6	135
1018	Resource stoichiometry and the biogeochemical consequences of nitrogen deposition in a mixed deciduous forest. <i>Ecology</i> , 2016, 97, 3369-3378.	1.5	62
1019	Contrasting effects of nitrogen and phosphorus addition on soil respiration in an alpine grassland on the Qinghai-Tibetan Plateau. <i>Scientific Reports</i> , 2016, 6, 34786.	1.6	37
1020	Biogeochemistry and Geographical Ecology: Embracing All Twenty-Five Elements Required to Build Organisms. <i>American Naturalist</i> , 2016, 188, S62-S73.	1.0	134
1021	Productivity increase upon supply of multiple nutrients in fertilization experiments; co-limitation or chemical facilitation?. <i>Plant and Soil</i> , 2016, 408, 515-518.	1.8	9
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1024	Cyanobacterial and algal diversity in the vicinity of two different seabird colonies in Spitsbergen. <i>Polish Polar Research</i> , 2016, 37, 269-288.	0.9	3
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1026	Imbalanced phosphorus and nitrogen deposition in China's forests. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8571-8579.	1.9	98
1027	Stratospheric sulfate geoengineering could enhance the terrestrial photosynthesis rate. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1479-1489.	1.9	66
1028	Soil nutrients and size-dependent tree dynamics of tropical lowland forests on volcanic and sedimentary substrates in Sabah, Malaysian Borneo. <i>Tropics</i> , 2016, 25, 43-52.	0.2	5
1029	Assessing the influence of watershed characteristics on chlorophyll <i>a</i> in waterbodies at global and regional scales. <i>Inland Waters</i> , 2016, 6, 379-392.	1.1	5
1030	Phosphorus and nitrogen loading restraints are essential for successful eutrophication control of Lake Rotorua, New Zealand. <i>Inland Waters</i> , 2016, 6, 273-283.	1.1	62

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1033	Forest restoration treatments have subtle long-term effects on soil C and N cycling in mixed conifer forests. <i>Ecological Applications</i> , 2016, 26, 1503-1516.	1.8	17
1034	Phosphorus cycling in deciduous forest soil differs between stands dominated by ecto- and arbuscular mycorrhizal trees. <i>New Phytologist</i> , 2016, 209, 1184-1195.	3.5	118
1035	Groundwater influence differentially affects periphyton and macrophyte production in lakes. <i>Hydrobiologia</i> , 2016, 778, 91-103.	1.0	14
1036	Modeling the effects of external nutrient reductions on algal blooms in hyper-eutrophic Lake Taihu, China. <i>Ecological Engineering</i> , 2016, 94, 164-173.	1.6	42
1037	Effects of nitrogen and phosphorus supply on growth and physiological traits of two <i>Larix</i> species. <i>Environmental and Experimental Botany</i> , 2016, 130, 206-215.	2.0	36
1038	Ecosystem analysis of the degrading Vembanad wetland ecosystem, the largest Ramsar site on the South West Coast of India – Measures for its sustainable management. <i>Regional Studies in Marine Science</i> , 2016, 8, 408-421.	0.4	24
1039	River Algae. , 2016, , .		14
1040	Ecophysiology of River Algae. , 2016, , 197-217.		7
1041	Differential distribution patterns of ammonia-oxidizing archaea and bacteria in acidic soils of Nanling National Nature Reserve forests in subtropical China. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 237-251.	0.7	16
1042	Elevated CO ₂ increased phosphorous loss from decomposing litter and soil organic matter at two FACE experiments with trees. <i>Biogeochemistry</i> , 2016, 127, 89-97.	1.7	18
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1046	Manipulating nutrient limitation using modified local soils: A case study at Lake Taihu (China). <i>Water Research</i> , 2016, 101, 25-35.	5.3	29
1047	Real-Time, Online Automated System for Measurement of Water-Soluble Reactive Phosphate Ions in Atmospheric Particles. <i>Analytical Chemistry</i> , 2016, 88, 7163-7170.	3.2	7
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1050	Large differences in potential denitrification and sediment microbial communities across the Laurentian great lakes. <i>Biogeochemistry</i> , 2016, 128, 353-368.	1.7	34
1051	Bottom-up and top-down human impacts interact to affect a protected coastal Chilean marsh. <i>Ecology</i> , 2016, 97, 640-648.	1.5	16
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1054	Nutrient additions cause divergence of tallgrass prairie plant communities resulting in loss of ecosystem stability. <i>Journal of Ecology</i> , 2016, 104, 1478-1487.	1.9	43
1055	Mineralization ratios of nitrogen and phosphorus from decomposing litter in temperate versus tropical forests. <i>Global Ecology and Biogeography</i> , 2016, 25, 335-346.	2.7	41
1056	Nutrient-Controlled Niche Differentiation of Western Lake Erie Cyanobacterial Populations Revealed via Metatranscriptomic Surveys. <i>Environmental Science & Technology</i> , 2016, 50, 604-615.	4.6	151
1057	Estimating the leakage contribution of phosphate dosed drinking water to environmental phosphorus pollution at the national-scale. <i>Science of the Total Environment</i> , 2016, 572, 1534-1542.	3.9	34
1058	Does proximity to urban centres affect the dietary regime of marine benthic filter feeders?. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 169, 147-157.	0.9	18
1059	Soil potential labile but not occluded phosphorus forms increase with forest succession. <i>Biology and Fertility of Soils</i> , 2016, 52, 41-51.	2.3	52
1060	Phosphorus from wastewater to crops: An alternative path involving microalgae. <i>Biotechnology Advances</i> , 2016, 34, 550-564.	6.0	186
1061	Phosphatase activity is related to N availability but not P availability across hardwood forests in the northeastern United States. <i>Soil Biology and Biochemistry</i> , 2016, 94, 61-69.	4.2	29
1062	Nitrogen isotopic composition of organic matter from a 168 year-old coral skeleton: Implications for coastal nutrient cycling in the Great Barrier Reef Lagoon. <i>Earth and Planetary Science Letters</i> , 2016, 434, 161-170.	1.8	25
1063	Soil C:N:P dynamics during secondary succession following fire in the boreal forest of central Canada. <i>Forest Ecology and Management</i> , 2016, 369, 1-9.	1.4	80
1064	An Underground Revolution: Biodiversity and Soil Ecological Engineering for Agricultural Sustainability. <i>Trends in Ecology and Evolution</i> , 2016, 31, 440-452.	4.2	879
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1066	Drought-induced water-level reduction favors cyanobacteria blooms in tropical shallow lakes. <i>Hydrobiologia</i> , 2016, 770, 145-164.	1.0	127

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1069	Productivity in a dominant herbaceous species is largely unrelated to soil macronutrient stocks. <i>Science of the Total Environment</i> , 2016, 572, 1636-1644.	3.9	5
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1071	Nitrogen cycling in a freshwater estuary. <i>Biogeochemistry</i> , 2016, 127, 199-216.	1.7	27
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1073	A review of managed nitrate addition to enhance surface water quality. <i>Critical Reviews in Environmental Science and Technology</i> , 0, , 1-28.	6.6	8
1074	Native and alien herbaceous plants in the Brazilian Cerrado are (co-)limited by different nutrients. <i>Plant and Soil</i> , 2016, 400, 231-243.	1.8	33
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1076	The role of dissolved organic and inorganic nitrogen for growth of macrophytes in coastal waters of the Baltic Sea. <i>Journal of Experimental Marine Biology and Ecology</i> , 2016, 477, 23-30.	0.7	10
1077	Nutrient limitation of microbial phototrophs on a debris-covered glacier. <i>Soil Biology and Biochemistry</i> , 2016, 95, 156-163.	4.2	53
1078	Seasonal variations of phytoplankton dynamics in Nunatsiavut fjords (Labrador, Canada) and their relationships with environmental conditions. <i>Journal of Marine Systems</i> , 2016, 156, 56-75.	0.9	8
1079	Reference spectra of important adsorbed organic and inorganic phosphate binding forms for soil P speciation using synchrotron-based K-edge XANES spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 532-544.	1.0	68
1080	Invariant allometric scaling of nitrogen and phosphorus in leaves, stems, and fine roots of woody plants along an altitudinal gradient. <i>Journal of Plant Research</i> , 2016, 129, 647-657.	1.2	68
1081	Global evidence on nitrogen saturation of terrestrial ecosystem net primary productivity. <i>Environmental Research Letters</i> , 2016, 11, 024012.	2.2	88
1082	Water level changes affect carbon turnover and microbial community composition in lake sediments. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw035.	1.3	39
1083	Does nutrient enrichment compensate fungicide effects on litter decomposition and decomposer communities in streams?. <i>Aquatic Toxicology</i> , 2016, 174, 169-178.	1.9	17
1084	Environmental variability drives rapid and dramatic changes in nutrient limitation of tropical macroalgae with different ecological strategies. <i>Coral Reefs</i> , 2016, 35, 669-680.	0.9	12

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1089	Size-related effects of physical factors on phytoplankton communities. <i>Ecological Modelling</i> , 2016, 323, 41-50.	1.2	16
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1093	Mowing with invasive machinery can affect chemistry and trophic state of rheophilous mire. <i>Ecological Engineering</i> , 2016, 86, 31-38.	1.6	15
1094	Enrichment scale determines herbivore control of primary producers. <i>Oecologia</i> , 2016, 180, 833-840.	0.9	12
1095	Importance of spatial scale in structuring emergent lake vegetation across environmental gradients and scales: GIS-based approach. <i>Ecological Indicators</i> , 2016, 60, 1164-1172.	2.6	6
1096	Phosphorus pools responses to land-use change for sugarcane expansion in weathered Brazilian soils. <i>Geoderma</i> , 2016, 265, 27-38.	2.3	76
1097	Mapping biodiversity in three-dimensions challenges marine conservation strategies: The example of coralligenous assemblages in North-Western Mediterranean Sea. <i>Ecological Indicators</i> , 2016, 61, 1042-1054.	2.6	37
1098	Opposing effects of nitrogen versus phosphorus additions on mycorrhizal fungal abundance along an elevational gradient in tropical montane forests. <i>Soil Biology and Biochemistry</i> , 2016, 94, 37-47.	4.2	61
1099	A first report of biodeterioration caused by cyanobacterial biofilms of exposed fossil bones: A case study of the middle Pleistocene site of La Polledrara di Cekanibbio (Rome, Italy). <i>International Biodeterioration and Biodegradation</i> , 2016, 106, 67-74.	1.9	14
1100	Profiling of the Early Nitrogen Stress Response in the Diatom <i>Phaeodactylum tricornutum</i> Reveals a Novel Family of RING-Domain Transcription Factors. <i>Plant Physiology</i> , 2016, 170, 489-498.	2.3	40
1101	Patterns and regulating mechanisms of soil nitrogen mineralization and temperature sensitivity in Chinese terrestrial ecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2016, 215, 40-46.	2.5	52
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1103	Dissolved nitrogen release from coarse and amphipod-produced fine particulate organic matter in freshwater column. <i>Limnology</i> , 2016, 17, 33-46.	0.8	2
1104	Nitrogen and phosphorus co-limitation and grazing moderate nitrogen impacts on plant growth and nutrient cycling in sand dune grassland. <i>Science of the Total Environment</i> , 2016, 542, 203-209.	3.9	35
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1106	Conditions optimising on the yield of biomass, total lipid, and valuable fatty acids in two strains of <i>Skeletonema menzeli</i> . <i>Food Chemistry</i> , 2016, 194, 723-732.	4.2	31
1107	Impacts of nitrogen and phosphorus starvation on the physiology of <i>Chlamydomonas reinhardtii</i> . <i>Journal of Applied Phycology</i> , 2016, 28, 1509-1520.	1.5	84
1108	Species richness loss after nutrient addition as affected by N:C ratios and phytohormone GA ₃ contents in an alpine meadow community. <i>Journal of Plant Ecology</i> , 2016, 9, 201-211.	1.2	31
1109	Nutrient resorption helps drive intra-specific coupling of foliar nitrogen and phosphorus under nutrient-enriched conditions. <i>Plant and Soil</i> , 2016, 398, 111-120.	1.8	50
1110	A widespread plant-fungal-bacterial symbiosis promotes plant biodiversity, plant nutrition and seedling recruitment. <i>ISME Journal</i> , 2016, 10, 389-399.	4.4	315
1111	The effects of fertilization on the traitâ€‘abundance relationships in a Tibetan alpine meadow community. <i>Journal of Plant Ecology</i> , 2016, 9, 144-152.	1.2	17
1112	Nutrient Standards, Water Quality Indicators, and Economic Benefits from Water Quality Regulations. <i>Environmental and Resource Economics</i> , 2016, 64, 643-661.	1.5	24
1113	Review and conceptual models of agricultural impacts and water quality in waterways of the Great Barrier Reef catchment area. <i>Marine and Freshwater Research</i> , 2017, 68, 1.	0.7	54
1114	A comparative analysis reveals little evidence for niche conservatism in aquatic macrophytes among four areas on two continents. <i>Oikos</i> , 2017, 126, 136-148.	1.2	19
1115	Topsoil removal to minimize internal eutrophication in rewetted peatlands and to protect downstream systems against phosphorus pollution: A case study from NE Germany. <i>Ecological Engineering</i> , 2017, 103, 488-496.	1.6	32
1116	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. <i>Global Change Biology</i> , 2017, 23, 455-464.	4.2	151
1117	Plant invasion is associated with higher plantâ€‘soil nutrient concentrations in nutrientâ€‘poor environments. <i>Global Change Biology</i> , 2017, 23, 1282-1291.	4.2	147
1118	To recycle or steal? Nutrient resorption in Australian and Brazilian mistletoes from three lowâ€‘phosphorus sites. <i>Oikos</i> , 2017, 126, 32-39.	1.2	12
1119	Himalayan treeline soil and foliar C:N:P stoichiometry indicate nutrient shortage with elevation. <i>Geoderma</i> , 2017, 291, 21-32.	2.3	80
1120	Slope aspect affects the non-structural carbohydrates and C:N:P stoichiometry of <i>Artemisia sacrorum</i> on the Loess Plateau in China. <i>Catena</i> , 2017, 152, 9-17.	2.2	38

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1121	Nitrogen effects on plant species richness in herbaceous communities are more widespread and stronger than those of phosphorus. <i>Biological Conservation</i> , 2017, 212, 390-397.	1.9	114
1122	Stoichiometric N:P flexibility and mycorrhizal symbiosis favour plant resistance against drought. <i>Journal of Ecology</i> , 2017, 105, 958-967.	1.9	101
1123	Phosphorus in agricultural soils: drivers of its distribution at the global scale. <i>Global Change Biology</i> , 2017, 23, 3418-3432.	4.2	75
1124	Phosphorus resource partitioning shapes phosphorus acquisition and plant species abundance in grasslands. <i>Nature Plants</i> , 2017, 3, 16224.	4.7	63
1125	Analysis of metabolic responses of <i>Dunaliella salina</i> to phosphorus deprivation. <i>Journal of Applied Phycology</i> , 2017, 29, 1251-1260.	1.5	18
1126	Controls of nitrogen cycling evaluated along a well-characterized climate gradient. <i>Ecology</i> , 2017, 98, 1117-1129.	1.5	24
1127	Differential responses of soil bacterial communities to long-term N and P inputs in a semi-arid steppe. <i>Geoderma</i> , 2017, 292, 25-33.	2.3	174
1128	Ammonia-oxidizing bacteria rather than archaea respond to short-term urea amendment in an alpine grassland. <i>Soil Biology and Biochemistry</i> , 2017, 107, 218-225.	4.2	77
1129	Temperature-nutrient interactions exacerbate sensitivity to warming in phytoplankton. <i>Global Change Biology</i> , 2017, 23, 3269-3280.	4.2	188
1130	Complex inter-kingdom interactions: carnivorous plants affect growth of an aquatic vertebrate. <i>Journal of Animal Ecology</i> , 2017, 86, 484-489.	1.3	5
1131	Nitrogen and phosphorus colimitation of phytoplankton in Lake Baikal: Insights from a spatial survey and nutrient enrichment experiments. <i>Limnology and Oceanography</i> , 2017, 62, 1383-1392.	1.6	33
1132	Tidal controls on riverbed denitrification along a tidal freshwater zone. <i>Water Resources Research</i> , 2017, 53, 799-816.	1.7	39
1133	Home-field advantages of litter decomposition increase with increasing N deposition rates: a litter and soil perspective. <i>Functional Ecology</i> , 2017, 31, 1792-1801.	1.7	36
1134	From source to filter: changes in bacterial community composition during potable water treatment. <i>Canadian Journal of Microbiology</i> , 2017, 63, 546-558.	0.8	7
1135	Increasing temperature reduces the coupling between available nitrogen and phosphorus in soils of Chinese grasslands. <i>Scientific Reports</i> , 2017, 7, 43524.	1.6	53
1136	Taxonomic effect on plant base concentrations and stoichiometry at the tips of the phylogeny prevails over environmental effect along a large scale gradient. <i>Oikos</i> , 2017, 126, 1241-1249.	1.2	6
1137	Aerosol Deposition Impacts on Land and Ocean Carbon Cycles. <i>Current Climate Change Reports</i> , 2017, 3, 16-31.	2.8	103
1138	Elevated CO ₂ does not increase eucalypt forest productivity on a low-phosphorus soil. <i>Nature Climate Change</i> , 2017, 7, 279-282.	8.1	198

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1139	Cormorant predation overlaps with fish communities and commercial-fishery interest in a Swedish lake. <i>Marine and Freshwater Research</i> , 2017, 68, 1677.	0.7	7
1140	Nitrogen or phosphorus limitation in lakes and its impact on phytoplankton biomass and submerged macrophyte cover. <i>Hydrobiologia</i> , 2017, 795, 35-48.	1.0	124
1141	Ploidy tug-of-war: Evolutionary and genetic environments influence the rate of ploidy drive in a human fungal pathogen. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1025-1038.	1.1	42
1142	Soil organic phosphorus transformation during ecosystem development: A review. <i>Plant and Soil</i> , 2017, 417, 17-42.	1.8	76
1143	Different categories of biodiversity explain productivity variation after fertilization in a Tibetan alpine meadow community. <i>Ecology and Evolution</i> , 2017, 7, 3464-3474.	0.8	22
1144	Phytoplankton species richness, evenness, and production in relation to nutrient availability and imbalance. <i>Limnology and Oceanography</i> , 2017, 62, 1393-1408.	1.6	42
1145	Temporal variability of foliar nutrients: responses to nitrogen deposition and prescribed fire in a temperate steppe. <i>Biogeochemistry</i> , 2017, 133, 295-305.	1.7	8
1146	A decade of insights into grassland ecosystem responses to global environmental change. <i>Nature Ecology and Evolution</i> , 2017, 1, 118.	3.4	82
1147	Phylogeny is a powerful tool for predicting plant biomass responses to nitrogen enrichment. <i>Ecology</i> , 2017, 98, 2120-2132.	1.5	16
1148	Ecosystem C:N:P stoichiometry and carbon storage in plantations and a secondary forest on the Loess Plateau, China. <i>Ecological Engineering</i> , 2017, 105, 125-132.	1.6	39
1149	Common and Species-Specific Effects of Phosphate on Marine Microalgae Fatty Acids Shape Their Function in Phytoplankton Trophic Ecology. <i>Microbial Ecology</i> , 2017, 74, 623-639.	1.4	22
1150	Phosphatase activities of a microepiphytic community during a bloom of <i>Ostreopsis cf. ovata</i> in the northern Adriatic Sea. <i>Water Research</i> , 2017, 120, 272-279.	5.3	20
1151	Grass and forbs respond differently to nitrogen addition: a meta-analysis of global grassland ecosystems. <i>Scientific Reports</i> , 2017, 7, 1563.	1.6	63
1152	Different Responses of Terrestrial C, N, and P Pools and C/N/P Ratios to P, NP, and NPK Addition: a Meta-Analysis. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	16
1153	Evaluation of organic carbon stocks and $\delta^{13}C$ fluxes in grasslands of Western Transbaikalia. <i>Eurasian Soil Science</i> , 2017, 50, 396-411.	0.5	4
1154	Development of large shallow Lake Peipsi (North-Eastern Europe) over the Holocene based on the stratigraphy of phosphorus fractions. <i>Journal of Paleolimnology</i> , 2017, 58, 43-56.	0.8	10
1155	Vertical and seasonal distribution of picoplankton and functional nitrogen genes in a high-altitude warm monomictic tropical lake. <i>Freshwater Biology</i> , 2017, 62, 1180-1193.	1.2	31
1156	Metrics for evaluating the ecological benefits of decreased nitrogen deposition. <i>Biological Conservation</i> , 2017, 212, 454-463.	1.9	22

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1157	Bony traits and genetics drive intraspecific variation in vertebrate elemental composition. <i>Functional Ecology</i> , 2017, 31, 2128-2137.	1.7	18
1158	Relative importance of external and internal phosphorus loadings on affecting lake water quality in agricultural landscapes. <i>Ecological Engineering</i> , 2017, 108, 482-488.	1.6	31
1159	Global forest carbon uptake due to nitrogen and phosphorus deposition from 1850 to 2100. <i>Global Change Biology</i> , 2017, 23, 4854-4872.	4.2	158
1160	High food quality of prey lowers its risk of extinction. <i>Oikos</i> , 2017, 126, 1501-1510.	1.2	16
1161	Diagnosing phosphorus limitations in natural terrestrial ecosystems in carbon cycle models. <i>Earth's Future</i> , 2017, 5, 730-749.	2.4	59
1162	Moderate nutrient enrichment affects algal and detritus pathways differently in a temperate rainforest stream. <i>Aquatic Sciences</i> , 2017, 79, 941-952.	0.6	10
1163	Estimation of photosynthesis traits from leaf reflectance spectra: Correlation to nitrogen content as the dominant mechanism. <i>Remote Sensing of Environment</i> , 2017, 196, 279-292.	4.6	84
1164	Residence-time-based classification of surface water systems. <i>Water Resources Research</i> , 2017, 53, 5567-5584.	1.7	20
1165	Recovery of Inorganic Phosphorus Using Copper-Substituted ZSM-5. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6192-6200.	3.2	10
1166	Future warmer seas: increased stress and susceptibility to grazing in seedlings of a marine habitat-forming species. <i>Global Change Biology</i> , 2017, 23, 4530-4543.	4.2	40
1167	Decline in Chinese lake phosphorus concentration accompanied by shift in sources since 2006. <i>Nature Geoscience</i> , 2017, 10, 507-511.	5.4	236
1168	Functional ecology of fish: current approaches and future challenges. <i>Aquatic Sciences</i> , 2017, 79, 783-801.	0.6	270
1169	A bibliometric analysis of eutrophication literatures: an expanding and shifting focus. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17103-17115.	2.7	23
1170	Phosphorus-rich grasshoppers consume plants high in nitrogen and phosphorus. <i>Ecological Entomology</i> , 2017, 42, 610-616.	1.1	11
1171	Growth, morphological and physiological responses of alfalfa (<i>Medicago sativa</i>) to phosphorus supply in two alkaline soils. <i>Plant and Soil</i> , 2017, 416, 565-584.	1.8	43
1172	Nutrient availability limits biological production in Arctic sea ice melt ponds. <i>Polar Biology</i> , 2017, 40, 1593-1606.	0.5	12
1173	Lake nutrient stoichiometry is less predictable than nutrient concentrations at regional and sub-continental scales. <i>Ecological Applications</i> , 2017, 27, 1529-1540.	1.8	45
1174	The role of nutrient enrichment in the invasion process in intertidal rock pools. <i>Hydrobiologia</i> , 2017, 797, 183-198.	1.0	7

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1175	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.	3.9	8
1176	A global meta-analysis of exotic versus native leaf decay in stream ecosystems. <i>Freshwater Biology</i> , 2017, 62, 977-989.	1.2	24
1177	Root responses to nitrogen pulse frequency under different nitrogen amounts. <i>Acta Oecologica</i> , 2017, 80, 32-38.	0.5	6
1178	Comparison of multiple statistical techniques to predict soil phosphorus. <i>Applied Soil Ecology</i> , 2017, 114, 123-131.	2.1	37
1179	Plasticity in algal stoichiometry: Experimental evidence of a temperature-induced shift in optimal supply N:P ratio. <i>Limnology and Oceanography</i> , 2017, 62, 1346-1354.	1.6	45
1180	Temperature increase and fluctuation induce phytoplankton biodiversity loss – Evidence from a multi-seasonal mesocosm experiment. <i>Ecology and Evolution</i> , 2017, 7, 2936-2946.	0.8	84
1181	Aspects of phosphorus physiology associated with phosphate-induced polar lipid remodelling in marine microalgae. <i>Journal of Plant Physiology</i> , 2017, 214, 28-38.	1.6	31
1182	Dust outpaces bedrock in nutrient supply to montane forest ecosystems. <i>Nature Communications</i> , 2017, 8, 14800.	5.8	96
1183	Phosphorus levels determine changes in growth and biochemical composition of <i>Chlorella vulgaris</i> during cadmium stress. <i>Journal of Applied Phycology</i> , 2017, 29, 1883-1891.	1.5	17
1184	Exacerbated nitrogen limitation ends transient stimulation of grassland productivity by increased precipitation. <i>Ecological Monographs</i> , 2017, 87, 457-469.	2.4	87
1185	The filter feeder <i>Dreissena polymorpha</i> affects nutrient, silicon, and metal(loid) mobilization from freshwater sediments. <i>Chemosphere</i> , 2017, 174, 531-537.	4.2	7
1186	Colimitation and the coupling of N and P uptake kinetics in oligotrophic mountain streams. <i>Biogeochemistry</i> , 2017, 132, 165-184.	1.7	14
1187	Responses of terrestrial ecosystem phosphorus cycling to nitrogen addition: A meta-analysis. <i>Global Ecology and Biogeography</i> , 2017, 26, 713-728.	2.7	196
1188	Extended autumn drought, but not nitrogen deposition, affects the diversity and productivity of a Mediterranean grassland. <i>Environmental and Experimental Botany</i> , 2017, 138, 99-108.	2.0	27
1189	Average niche breadths of species in lake macrophyte communities respond to ecological gradients variably in four regions on two continents. <i>Oecologia</i> , 2017, 184, 219-235.	0.9	16
1190	Integrated Critical Zone Model (1D-ICZ). <i>Advances in Agronomy</i> , 2017, 142, 277-314.	2.4	15
1191	Soil parent material – A major driver of plant nutrient limitations in terrestrial ecosystems. <i>Global Change Biology</i> , 2017, 23, 3808-3824.	4.2	243
1192	Stochastic modeling of phosphorus transport in the Three Gorges Reservoir by incorporating variability associated with the phosphorus partition coefficient. <i>Science of the Total Environment</i> , 2017, 592, 649-661.	3.9	20

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1193	Spatial variation in edaphic characteristics is a stronger control than nitrogen inputs in regulating soil microbial effects on a desert grass. <i>Journal of Arid Environments</i> , 2017, 142, 59-65.	1.2	6
1194	Nitrogen dynamics in subtropical fringe and basin mangrove forests inferred from stable isotopes. <i>Oecologia</i> , 2017, 183, 841-848.	0.9	23
1195	Influence of temperature and soil nitrogen and phosphorus availabilities on fine root productivity in tropical rainforests on Mount Kinabalu, Borneo. <i>Ecological Research</i> , 2017, 32, 145-156.	0.7	11
1196	A new theory of plant-microbe nutrient competition resolves inconsistencies between observations and model predictions. <i>Ecological Applications</i> , 2017, 27, 875-886.	1.8	90
1197	Elucidation of the tidal influence on bacterial populations in a monsoon influenced estuary through simultaneous observations. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 41.	1.3	28
1198	Meridional patterns of inorganic nutrient limitation and co-limitation of bacterial growth in the Atlantic Ocean. <i>Progress in Oceanography</i> , 2017, 158, 90-98.	1.5	18
1199	Following the flow of ornithogenic nutrients through the Arctic marine coastal food webs. <i>Journal of Marine Systems</i> , 2017, 168, 31-37.	0.9	20
1200	Changes in CH ₄ production during different stages of litter decomposition under inundation and N addition. <i>Journal of Soils and Sediments</i> , 2017, 17, 949-959.	1.5	3
1201	Fungal-bacterial dynamics and their contribution to terrigenous carbon turnover in relation to organic matter quality. <i>ISME Journal</i> , 2017, 11, 415-425.	4.4	118
1202	Global overview on nitrogen dynamics in mangroves and consequences of increasing nitrogen availability for these systems. <i>Plant and Soil</i> , 2017, 410, 1-19.	1.8	95
1203	Phosphorus loading and ecological impacts from agricultural tile drains in a west Michigan watershed. <i>Journal of Great Lakes Research</i> , 2017, 43, 50-58.	0.8	12
1204	Novel anammox bacteria and nitrogen loss from Lake Superior. <i>Scientific Reports</i> , 2017, 7, 13757.	1.6	30
1205	An assessment on the uncertainty of the nitrogen to phosphorus ratio as a threshold for nutrient limitation in plants. <i>Annals of Botany</i> , 2017, 120, 937-942.	1.4	62
1206	Nutrient limitation of soil microbial activity during the earliest stages of ecosystem development. <i>Oecologia</i> , 2017, 185, 513-524.	0.9	58
1207	Nutrient addition affects net and gross mineralization of phosphorus in the organic layer of a tropical montane forest. <i>Biogeochemistry</i> , 2017, 136, 223-236.	1.7	12
1208	Oxic-anoxic regime shifts mediated by feedbacks between biogeochemical processes and microbial community dynamics. <i>Nature Communications</i> , 2017, 8, 789.	5.8	85
1209	Asynchronous pulse responses of soil carbon and nitrogen mineralization to rewetting events at a short-term: Regulation by microbes. <i>Scientific Reports</i> , 2017, 7, 7492.	1.6	6
1210	Relationship of chlorophyll to phosphorus and nitrogen in nutrient-rich lakes. <i>Inland Waters</i> , 2017, 7, 385-400.	1.1	100

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1211	Nutrient Limitation and Uptake. , 2017, , 147-171.		50
1212	Phosphorus availability in the source population influences response to dietary phosphorus quantity in a New Zealand freshwater snail. <i>Oecologia</i> , 2017, 185, 595-605.	0.9	6
1213	Effects of river-lake interactions in water and sediment on phosphorus in Dongting Lake, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23250-23260.	2.7	23
1214	Unexpected stasis in a changing world: Lake nutrient and chlorophyll trends since 1990. <i>Global Change Biology</i> , 2017, 23, 5455-5467.	4.2	65
1215	Is nitrogen the next carbon?. <i>Earth's Future</i> , 2017, 5, 894-904.	2.4	182
1216	Influence of experimental, environmental, and geographic factors on nutrientâ€diffusing substrate experiments in running waters. <i>Freshwater Biology</i> , 2017, 62, 1667-1680.	1.2	21
1217	The role of microbes in snowmelt and radiative forcing on an Alaskan icefield. <i>Nature Geoscience</i> , 2017, 10, 754-759.	5.4	94
1218	Amine-crosslinked Shaddock Peel embedded with hydrous zirconium oxide nano-particles for selective phosphate removal in competitive condition. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 650-662.	2.7	22
1219	Aquatic eutrophication indicators in LCA: Methodological challenges illustrated using a case study in New Zealand. <i>Journal of Cleaner Production</i> , 2017, 168, 1463-1472.	4.6	23
1220	Effects of the chemical characteristics and concentration of inorganic suspended solids on nitrification in freshwater. <i>Water Science and Technology</i> , 2017, 76, 3101-3113.	1.2	1
1221	Increased grassland arthropod production with mammalian herbivory and eutrophication: a test of mediation pathways. <i>Ecology</i> , 2017, 98, 3022-3033.	1.5	40
1222	Phosphorus and nitrogen resorption from different chemical fractions in senescing leaves of tropical tree species on Mount Kinabalu, Borneo. <i>Oecologia</i> , 2017, 185, 171-180.	0.9	40
1223	Out of the shadows: multiple nutrient limitations drive relationships among biomass, light and plant diversity. <i>Functional Ecology</i> , 2017, 31, 1839-1846.	1.7	55
1224	Quantifying components of the phosphorus cycle in temperate forests. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1243.	2.8	44
1225	Phosphorus and nitrogen co-limitation of forest ground vegetation under elevated anthropogenic nitrogen deposition. <i>Oecologia</i> , 2017, 185, 317-326.	0.9	40
1226	Experimental nutrient enrichment of forest streams increases energy flow to predators along greener foodâ€web pathways. <i>Freshwater Biology</i> , 2017, 62, 1794-1805.	1.2	25
1227	Influence of nitrogen limitation on the bioaccumulation kinetics of hematite nanoparticles in the freshwater alga <i>Euglena intermedia</i> . <i>Environmental Science: Nano</i> , 2017, 4, 1840-1850.	2.2	9
1228	What role does stream restoration play in nutrient management?. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 335-371.	6.6	40

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1229	Multiple nutrients control threatened grassland vegetation in eastern South Africa. <i>South African Journal of Botany</i> , 2017, 112, 225-236.	1.2	4
1230	Assessment of the sediment quality of freshwater ecosystems in eastern China based on spatial and temporal variation of nutrients. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19412-19421.	2.7	12
1231	Effects of phosphorus availability on later stages of primary succession in Gongga Mountain glacier retreat area. <i>Environmental and Experimental Botany</i> , 2017, 141, 103-112.	2.0	13
1232	Effects of phosphorus addition on nitrogen cycle and fluxes of N ₂ O and CH ₄ in tropical tree plantation soils in Thailand. <i>Agriculture and Natural Resources</i> , 2017, 51, 91-95.	0.4	6
1233	Soil nitrogen mineralization in a wind-disturbed area on Changbai Mountain after 30 years of vegetation restoration. <i>Acta Ecologica Sinica</i> , 2017, 37, 265-271.	0.9	8
1234	Soil nutritional status and biogeography influence rhizosphere microbial communities associated with the invasive tree <i>Acacia dealbata</i> . <i>Scientific Reports</i> , 2017, 7, 6472.	1.6	54
1235	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.	1.6	29
1236	Long-term grazing affects relationships between nitrogen form uptake and biomass of alpine meadow plants. <i>Plant Ecology</i> , 2017, 218, 1035-1045.	0.7	11
1237	A database of georeferenced nutrient chemistry data for mountain lakes of the Western United States. <i>Scientific Data</i> , 2017, 4, 170069.	2.4	8
1238	Fluidized-bed crystallization of iron phosphate from solution containing phosphorus. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 247-254.	2.7	28
1239	Habitat age influences metacommunity assembly and species richness in successional pond ecosystems. <i>Ecosphere</i> , 2017, 8, e01871.	1.0	23
1240	Planktotrons: A novel indoor mesocosm facility for aquatic biodiversity and food web research. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 663-677.	1.0	20
1241	Altered food-web dynamics under increased nitrogen load in phosphorus deficient lakes. <i>Aquatic Sciences</i> , 2017, 79, 1009-1021.	0.6	5
1242	Native species dispersal reduces community invasibility by increasing species richness and biotic resistance. <i>Journal of Animal Ecology</i> , 2017, 86, 1380-1393.	1.3	18
1243	Interactive effects of biochar addition and elevated carbon dioxide concentration on soil carbon and nitrogen pools in mine spoil. <i>Journal of Soils and Sediments</i> , 2017, 17, 2400-2409.	1.5	12
1244	Community Composition and Abundance of Anammox Bacteria in Cattail Rhizosphere Sediments at Three Phenological Stages. <i>Current Microbiology</i> , 2017, 74, 1349-1357.	1.0	8
1245	A Lab-on-Chip Analyzer for <i>in Situ</i> Measurement of Soluble Reactive Phosphate: Improved Phosphate Blue Assay and Application to Fluvial Monitoring. <i>Environmental Science & Technology</i> , 2017, 51, 9989-9995.	4.6	75
1246	Wetting-drying cycles influence on soil respiration in two Mediterranean ecosystems. <i>European Journal of Soil Biology</i> , 2017, 82, 10-16.	1.4	12

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1247	What happens in the pith stays in the pith: tissue-localized defense responses facilitate chemical niche differentiation between two spatially separated herbivores. <i>Plant Journal</i> , 2017, 92, 414-425.	2.8	32
1248	Diatoms to human uses: linking nitrogen deposition, aquatic eutrophication, and ecosystem services. <i>Ecosphere</i> , 2017, 8, e01858.	1.0	18
1249	Nutrient and Organic Matter Dynamics in Intermittent Rivers and Ephemeral Streams. , 2017, , 135-160.		52
1250	Does a meta-analysis including multiple observations from a single study site properly synthesize data? Comments on "Meta-analyses of the effects of major global change drivers on soil respiration across China" by Feng et al. (2017). <i>Atmospheric Environment</i> , 2017, 171, 229.	1.9	1
1251	Plant stoichiometry characteristics and relationships with soil nutrients in <i>Robinia pseudoacacia</i> communities of different planting ages. <i>Acta Ecologica Sinica</i> , 2017, 37, 355-362.	0.9	8
1252	Ice duration drives winter nitrate accumulation in north temperate lakes. <i>Limnology and Oceanography Letters</i> , 2017, 2, 177-186.	1.6	54
1253	Nitrogen Subsidies in Glacial Meltwater: Implications for High Elevation Aquatic Chains. <i>Water Resources Research</i> , 2017, 53, 9791-9806.	1.7	15
1254	Nutrient inputs from an urbanized landscape may drive water quality degradation. <i>Sustainability of Water Quality and Ecology</i> , 2017, 9-10, 136-150.	2.0	12
1255	Foliar nitrogen and phosphorus stoichiometry of three wetland plants distributed along an elevation gradient in Dongting Lake, China. <i>Scientific Reports</i> , 2017, 7, 2820.	1.6	11
1256	A dynamic energy budget (DEB) model to describe population dynamics of the marine cyanobacterium <i>Prochlorococcus marinus</i> . <i>Ecological Modelling</i> , 2017, 359, 320-332.	1.2	13
1257	Herbaceous invaders in temperate forests: a systematic review of their ecology and proposed mechanisms of invasion. <i>Biological Invasions</i> , 2017, 19, 3079-3097.	1.2	20
1258	Vulnerability of macronutrients to the concurrent effects of enhanced temperature and atmospheric pCO ₂ in representative shelf sea sediment habitats. <i>Biogeochemistry</i> , 2017, 135, 89-102.	1.7	10
1259	Responses of understory plant physiological traits to a decade of nitrogen addition in a tropical reforested ecosystem. <i>Forest Ecology and Management</i> , 2017, 401, 65-74.	1.4	27
1260	Combined effects of irrigation amount and nitrogen load on growth and needle biochemical traits of <i>Cryptomeria japonica</i> seedlings. <i>Trees - Structure and Function</i> , 2017, 31, 1317-1333.	0.9	6
1261	Phosphorus adsorption onto clay minerals and iron oxide with consideration of heterogeneous particle morphology. <i>Science of the Total Environment</i> , 2017, 605-606, 357-367.	3.9	84
1262	Linking Biomass Productivity to Genotype-Specific Nutrient Cycling Strategies in Mature Hybrid Poplars Planted Along an Environmental Gradient. <i>Bioenergy Research</i> , 2017, 10, 876-890.	2.2	8
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1264	Increased methane production in cyanobacteria and methanogenic microbe co-cultures. <i>Bioresource Technology</i> , 2017, 243, 686-692.	4.8	13

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1268	Distinct biogeographical patterns of marine bacterial taxonomy and functional genes. <i>Global Ecology and Biogeography</i> , 2017, 26, 177-190.	2.7	65
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1323	Bridging Food Webs, Ecosystem Metabolism, and Biogeochemistry Using Ecological Stoichiometry Theory. <i>Frontiers in Microbiology</i> , 2017, 8, 1298.	1.5	53
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1414	Active summer carbon storage for winter persistence in trees at the cold alpine treeline. <i>Tree Physiology</i> , 2018, 38, 1345-1355.	1.4	48
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1418	Phytoplankton limitation in Patagonian and Pampean shallow lakes: effect of phosphorus and light. <i>Hydrobiologia</i> , 2018, 816, 91-105.	1.0	5
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1421	Experimental nitrogen and phosphorus additions increase rates of stream ecosystem respiration and carbon loss. <i>Limnology and Oceanography</i> , 2018, 63, 22-36.	1.6	34
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1423	Five decades of dramatic changes in submerged vegetation in Lake Constance. <i>Aquatic Botany</i> , 2018, 144, 31-37.	0.8	33
1424	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.	3.9	51
1425	Inter-Annual and Seasonal Variation of ANPP and Leaf Nutrient Concentration in Cold-Temperate Wetlands of Tierra del Fuego. <i>Wetlands</i> , 2018, 38, 37-49.	0.7	4
1426	Decreased soil organic P fraction associated with ectomycorrhizal fungal activity to meet increased P demand under N application in a subtropical forest ecosystem. <i>Biology and Fertility of Soils</i> , 2018, 54, 149-161.	2.3	68
1427	Carbon allocation and partitioning in <i>Populus tremuloides</i> are modulated by ectomycorrhizal fungi under phosphorus limitation. <i>Tree Physiology</i> , 2018, 38, 52-65.	1.4	14

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1429	Biochar addition induced the same plant responses as elevated CO ₂ in mine spoil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1460-1469.	2.7	9
1430	Water brownification may not promote invasions of submerged non-native macrophytes. <i>Hydrobiologia</i> , 2018, 817, 215-225.	1.0	23
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1432	Feces nitrogen release induced by different large herbivores in a dry grassland. <i>Ecological Applications</i> , 2018, 28, 201-211.	1.8	31
1433	Global-scale impacts of nitrogen deposition on tree carbon sequestration in tropical, temperate, and boreal forests: A meta-analysis. <i>Global Change Biology</i> , 2018, 24, e416-e431.	4.2	208
1434	Stable isotopes as tracers in aquatic ecosystems. <i>Environmental Reviews</i> , 2018, 26, 69-81.	2.1	16
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1437	C:N:P stoichiometry in China's forests: From organs to ecosystems. <i>Functional Ecology</i> , 2018, 32, 50-60.	1.7	168
1438	Size-dependent nutrient limitation of tree growth from subtropical to cold temperate forests. <i>Functional Ecology</i> , 2018, 32, 95-105.	1.7	52
1439	Nutrient limitation of soil microbial processes in tropical forests. <i>Ecological Monographs</i> , 2018, 88, 4-21.	2.4	261
1440	Increased resource use efficiency amplifies positive response of aquatic primary production to experimental warming. <i>Global Change Biology</i> , 2018, 24, 1069-1084.	4.2	38
1441	Impact of a moderate/high-severity prescribed eucalypt forest fire on soil phosphorous stocks and partitioning. <i>Science of the Total Environment</i> , 2018, 621, 1103-1114.	3.9	39
1442	Phytoplankton can bypass nutrient reductions in eutrophic coastal water bodies. <i>Ambio</i> , 2018, 47, 146-158.	2.8	41
1443	Aboveground carbon storage in tropical dry forest plots in Oaxaca, Mexico. <i>Forest Ecology and Management</i> , 2018, 409, 202-214.	1.4	19
1444	Storage of C, N, and P affected by afforestation with <i>Salix cupularis</i> in an alpine semiarid desert ecosystem. <i>Land Degradation and Development</i> , 2018, 29, 188-198.	1.8	42
1445	Elevated ozone affects C, N and P ecological stoichiometry and nutrient resorption of two poplar clones. <i>Environmental Pollution</i> , 2018, 234, 136-144.	3.7	49

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1449	Phosphorus limitation of aboveground production in northern hardwood forests. <i>Ecology</i> , 2018, 99, 438-449.	1.5	65
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1454	Methylmercury in Managed Wetlands. <i>Environmental Contamination Remediation and Management</i> , 2018, , 207-240.	0.5	2
1455	Assessment of long term ecotoxicity of urban stormwaters using a multigenerational bioassay on <i>Ceriodaphnia dubia</i> : A preliminary study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 244-252.	0.9	3
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1463	Phosphorus <i>K</i> -edge XANES spectroscopy has probably often underestimated iron oxyhydroxide-bound P in soils. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1736-1744.	1.0	16
1464	Effect of Fertilization on Growth and Mortality of Jack Pine Growing on Poor, Sandy Soils in Michigan, USA: Implications for Sustainable Management. <i>Forests</i> , 2018, 9, 549.	0.9	4

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1490	Nitrogen and Phosphorus Uptake Dynamics in Tropical Cerrado Woodland Streams. <i>Water (Switzerland)</i> , 2018, 10, 1080.	1.2	10
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1509	Phosphorus dynamics in a tropical forest soil restored after strip mining. Plant and Soil, 2018, 427, 105-123.	1.8	24
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1530	Carbon, nitrogen and phosphorus stoichiometry in <i>Pinus tabulaeformis</i> forest ecosystems in warm temperate Shanxi Province, north China. <i>Journal of Forestry Research</i> , 2018, 29, 1665-1673.	1.7	27
1531	Nitrification and ammonium dynamics in Taihu Lake, China: seasonal competition for ammonium between nitrifiers and Cyanobacteria. <i>Biogeosciences</i> , 2018, 15, 733-748.	1.3	79
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1534	Responses of <i>Dodonaea viscosa</i> growth and soil biological properties to nitrogen and phosphorus additions in Yuanmou dry-hot valley. <i>Journal of Mountain Science</i> , 2018, 15, 1283-1298.	0.8	10
1535	Amphibian-mediated nutrient fluxes across aquatic-terrestrial boundaries of temporary wetlands. <i>Freshwater Biology</i> , 2018, 63, 1250-1259.	1.2	16
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1551	Predominant Non-additive Effects of Multiple Stressors on Autotroph C:N:P Ratios Propagate in Freshwater and Marine Food Webs. <i>Frontiers in Microbiology</i> , 2018, 9, 69.	1.5	29
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1555	Short-Term Effects of Drying-Rewetting and Long-Term Effects of Nutrient Loading on Periphyton N:P Stoichiometry. <i>Water (Switzerland)</i> , 2018, 10, 105.	1.2	4
1556	Ammonium Transformation in 14 Lakes along a Trophic Gradient. <i>Water (Switzerland)</i> , 2018, 10, 265.	1.2	27
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1562	Multi-objective economic-resource-production optimization of sustainable organic mixed farming systems with nutrient recycling. <i>Journal of Cleaner Production</i> , 2018, 196, 304-330.	4.6	19
1563	Ocean acidification and nutrient limitation synergistically reduce growth and photosynthetic performances of a green tide alga <i>Ulva linza</i> . <i>Biogeosciences</i> , 2018, 15, 3409-3420.	1.3	39
1564	Water-Nitrogen Colimitation in Grain Crops. <i>Advances in Agronomy</i> , 2018, , 231-274.	2.4	45
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1714	Temporal Dynamics of the Natural and Trimmed Angiosperm <i>Zostera marina</i> L. (Potamogetonales:Zosteraceae), and an Effective Technique for Transplantation of Long Shoots in a Temperate Tidal Zone (Northern China). <i>Wetlands</i> , 2019, 39, 1043-1056.	0.7	12
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1723	Mapping the chlorophyll-a horizontal gradient in a cascading reservoirs system using MSI Sentinel-2A images. <i>Advances in Space Research</i> , 2019, 64, 581-590.	1.2	16
1724	The spatial scale dependence of diazotrophic and bacterial community assembly in paddy soil. <i>Global Ecology and Biogeography</i> , 2019, 28, 1093-1105.	2.7	42
1725	Characterizing Preferential Adsorption of Phosphate on Binary Sorbents of Goethite and Maghaemite using in situ ATR-FTIR and 2D Correlation Spectroscopy. <i>Scientific Reports</i> , 2019, 9, 6130.	1.6	11
1726	Distribution of Landscape Units Within Catchments Influences Nutrient Export Dynamics. <i>Frontiers in Environmental Science</i> , 2019, 7, .	1.5	28
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1731	Dissolved Reactive Phosphorus Loads to Western Lake Erie: The Hidden Influence of Nanoparticles. <i>Journal of Environmental Quality</i> , 2019, 48, 645-653.	1.0	11
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1733	Responses of plant phenology to nitrogen addition: a meta-analysis. <i>Oikos</i> , 2019, 128, 1243-1253.	1.2	32
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1735	Diagnosing Phosphorus Limitation in Subtropical Forests in China under Climate Warming. <i>Sustainability</i> , 2019, 11, 2202.	1.6	3
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1760	Unraveling Flooding Dynamics and Nutrients' Controls upon Phytoplankton Functional Dynamics in Amazonian Floodplain Lakes. <i>Water (Switzerland)</i> , 2019, 11, 154.	1.2	17
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1762	Nitrogen and Phosphorus Concentration in Leaf Litter and Soil in Xishuangbanna Tropical Forests: Does Precipitation Limitation Matter?. <i>Forests</i> , 2019, 10, 242.	0.9	10
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1771	Silicon increases the phosphorus availability of Arctic soils. <i>Scientific Reports</i> , 2019, 9, 449.	1.6	115
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1776	Phosphorus limits and "planetary boundaries" approach applied to a case study in a tropical area. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	4
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1778	Interactions between <i>Microcystis aeruginosa</i> and coexisting bisphenol A at different nitrogen levels. <i>Journal of Hazardous Materials</i> , 2019, 369, 132-141.	6.5	9
1779	Nitrogen addition interacted with salinity-alkalinity to modify plant diversity, microbial PLFAs and soil coupled elements: A 5-year experiment. <i>Applied Soil Ecology</i> , 2019, 137, 78-86.	2.1	22
1780	Mechanisms regulating spatial changes in grassland productivity following nutrient addition in northern China. <i>Rangeland Journal</i> , 2019, 41, 83.	0.4	1
1782	Relationship Between Belowground Carbon Allocation and Nitrogen Uptake in Saplings Varies by Plant Mycorrhizal Type. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	15
1783	Effects of Detritivores on Nutrient Dynamics and Corn Biomass in Mesocosms. <i>Insects</i> , 2019, 10, 453.	1.0	2
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1794	An evaluation of high frequency turbidity as a proxy for riverine total phosphorus concentrations. <i>Science of the Total Environment</i> , 2019, 651, 103-113.	3.9	32
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1797	Nitrogen and phosphorus enrichment accelerates soil organic carbon loss in alpine grassland on the Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , 2019, 650, 303-312.	3.9	94
1798	Decreased nitrogen loading controls summer cyanobacterial blooms without promoting nitrogen-fixing taxa: Long-term response of a shallow lake. <i>Limnology and Oceanography</i> , 2019, 64, S166.	1.6	63
1799	Hypotheses from Recent Assessments of Climate Impacts to Biodiversity and Ecosystems in the United States. <i>Climate Change Management</i> , 2019, , 355-375.	0.6	3
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1803	We Are What We Eat: A Stoichiometric and Ecometabolomic Study of Caterpillars Feeding on Two Pine Subspecies of <i>Pinus sylvestris</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 59.	1.8	10
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1815	Dissolved oxygen stratification changes nitrogen speciation and transformation in a stratified lake. <i>Environmental Science and Pollution Research</i> , 2019, 26, 2898-2907.	2.7	12
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1817	Microalgal whole-cell biomarkers as sensitive tools for fast toxicity and pollution monitoring of urban wet weather discharges. <i>Chemosphere</i> , 2019, 217, 522-533.	4.2	11
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1819	Stoichiometric mechanisms of regime shifts in freshwater ecosystem. <i>Water Research</i> , 2019, 149, 302-310.	5.3	68
1820	Î 15 N patterns in three subtropical estuaries show switch from nitrogen “reactors” to “pipes” with increasing degradation. <i>Limnology and Oceanography</i> , 2019, 64, 860-876.	1.6	18
1821	Effects of stream velocity and phosphorus concentrations on alkaline phosphatase activity and carbon:phosphorus ratios in periphyton. <i>Hydrobiologia</i> , 2019, 826, 173-182.	1.0	10
1822	Simulating rewetting events in intermittent rivers and ephemeral streams: A global analysis of leached nutrients and organic matter. <i>Global Change Biology</i> , 2019, 25, 1591-1611.	4.2	71
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1825	Effects of nitrogen-phosphorus imbalance on plant biomass production: a global perspective. <i>Plant and Soil</i> , 2019, 436, 245-252.	1.8	48
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1832	Responses to soil pH gradients of inorganic phosphate solubilizing bacteria community. <i>Scientific Reports</i> , 2019, 9, 25.	1.6	39
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1834	High nutrient availability leads to weaker top-down control of stream periphyton: Compensatory feeding in <i>Ancylus fluviatilis</i> . <i>Freshwater Biology</i> , 2019, 64, 37-45.	1.2	17
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1836	The error in stream sediment phosphorus fractionation and sorption properties effected by drying pretreatments. <i>Journal of Soils and Sediments</i> , 2019, 19, 1587-1597.	1.5	18
1837	Size-based sexual dimorphism of nitrogen excretion in livebearing fishes. <i>Ecology of Freshwater Fish</i> , 2019, 28, 222-228.	0.7	2
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1841	Nitrogen cycling processes within stormwater control measures: A review and call for research. <i>Water Research</i> , 2019, 149, 578-587.	5.3	55
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1843	Evaluation of a side-by-side, full-scale conversion to biological filtration. <i>AWWA Water Science</i> , 2019, 1, e1112.	1.0	2
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1845	Phosphorus sorption on tropical soils with relevance to Earth system model needs. <i>Soil Research</i> , 2019, 57, 17.	0.6	20
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1850	Responses of soil phosphorus fractions after nitrogen addition in a subtropical forest ecosystem: Insights from decreased Fe and Al oxides and increased plant roots. <i>Geoderma</i> , 2019, 337, 246-255.	2.3	75
1851	Effects of nutrient enrichment on primary and secondary productivity in a subtropical floodplain system: an experimental approach. <i>Hydrobiologia</i> , 2019, 827, 171-181.	1.0	11
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1854	Effects of nitrogen and phosphorus supply on stoichiometry of six elements in leaves of <i>Arabidopsis thaliana</i> . <i>Annals of Botany</i> , 2019, 123, 441-450.	1.4	17
1855	Response of forest growth to C:N:P stoichiometry in plants and soils during <i>Robinia pseudoacacia</i> afforestation on the Loess Plateau, China. <i>Geoderma</i> , 2019, 337, 280-289.	2.3	130
1856	Stoichiometric nutrient balance of <i>Suaeda salsa</i> wetlands in different supratidal habitats of Tianjin, China. <i>Hydrobiologia</i> , 2019, 827, 3-19.	1.0	5
1857	Air-drying changes the distribution of Hedley phosphorus pools in forest soils. <i>Pedosphere</i> , 2020, 30, 272-284.	2.1	13
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1861	Nutritive effect of dust on microbial biodiversity and productivity of the Arabian Gulf. <i>Aquatic Ecosystem Health and Management</i> , 2020, 23, 122-135.	0.3	11
1862	Karstic submarine groundwater discharge into the Mediterranean: Radon-based nutrient fluxes in an anchialine cave and a basin-wide upscaling. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 268, 467-484.	1.6	40
1863	Phosphorus rather than nitrogen enhances CO ₂ emissions in tropical forest soils: Evidence from a laboratory incubation study. <i>European Journal of Soil Science</i> , 2020, 71, 495-510.	1.8	21
1864	Joint effects of predation risk and food nutrient on sexual and asexual reproductions, and morphological defenses of freshwater rotifer <i>Brachionus calyciflorus</i> . <i>Aquatic Ecology</i> , 2020, 54, 35-44.	0.7	2
1865	Responses of Rhizospheric Microbial Communities of Native and Alien Plant Species to <i>Cuscuta</i> Parasitism. <i>Microbial Ecology</i> , 2020, 79, 617-630.	1.4	8

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1866	Life cycle assessment of woody biomass ash for soil amelioration. <i>Waste Management</i> , 2020, 101, 126-140.	3.7	23
1867	Long-term phosphorus addition downregulates microbial investments on enzyme productions in a mature tropical forest. <i>Journal of Soils and Sediments</i> , 2020, 20, 921-930.	1.5	15
1869	Soil eutrophication shaped the composition of pollinator assemblages during the past century. <i>Ecography</i> , 2020, 43, 209-221.	2.1	26
1870	Simulated climate change decreases nutrient resorption from senescing leaves. <i>Global Change Biology</i> , 2020, 26, 1795-1807.	4.2	35
1871	Mid-term effects on ecosystem services of quarry restoration with Technosols under Mediterranean conditions: 10-year impacts on soil organic carbon and vegetation development. <i>Restoration Ecology</i> , 2020, 28, 960-970.	1.4	15
1872	Mitigating eutrophication and toxic cyanobacterial blooms in large lakes: The evolution of a dual nutrient (N and P) reduction paradigm. <i>Hydrobiologia</i> , 2020, 847, 4359-4375.	1.0	100
1873	Response of Collembola to the addition of nutrients along an altitudinal gradient of tropical montane rainforests. <i>Applied Soil Ecology</i> , 2020, 147, 103382.	2.1	13
1874	Coupling between plant nitrogen and phosphorus along water and heat gradients in alpine grassland. <i>Science of the Total Environment</i> , 2020, 701, 134660.	3.9	27
1875	Tree growth response to shifting soil nutrient economy depends on mycorrhizal associations. <i>New Phytologist</i> , 2020, 225, 2557-2566.	3.5	32
1876	Differential stoichiometric responses of shrubs and grasses to increased precipitation in a degraded karst ecosystem in Southwestern China. <i>Science of the Total Environment</i> , 2020, 700, 134421.	3.9	12
1877	Responses of diversity, productivity, and stability to the nitrogen input in a tropical grassland. <i>Ecological Applications</i> , 2020, 30, e02037.	1.8	7
1878	Nitrate, ammonium, and phosphorus drive seasonal nutrient limitation of chlorophytes, cyanobacteria, and diatoms in a hyper-eutrophic reservoir. <i>Limnology and Oceanography</i> , 2020, 65, 962-978.	1.6	54
1879	Relationship between ecological stoichiometry and plant community diversity in the upper reaches of Tarim River, northwestern China. <i>Journal of Arid Land</i> , 2020, 12, 227-238.	0.9	5
1880	The Myb-like transcription factor phosphorus starvation response (PtPSR) controls conditional P acquisition and remodelling in marine microalgae. <i>New Phytologist</i> , 2020, 225, 2380-2395.	3.5	38
1881	Plant uptake of nitrogen and phosphorus among grassland species affected by drought along a soil available phosphorus gradient. <i>Plant and Soil</i> , 2020, 448, 121-132.	1.8	34
1882	The removal of phosphate by thermally treated red mud from water: The effect of surface chemistry on phosphate immobilization. <i>Chemosphere</i> , 2020, 247, 125867.	4.2	32
1883	Concordance of chemically inferred and assayed nutrient limitation of phytoplankton along a depth gradient of alpine lakes in the Canadian Rockies. <i>Aquatic Sciences</i> , 2020, 82, 1.	0.6	6
1884	Environmental Controls on CO ₂ Exchange along a Salinity Gradient in a Saline Boreal Fen in the Athabasca Oil Sands Region. <i>Wetlands</i> , 2020, 40, 1353-1366.	0.7	2

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1886	Xylem form and function under extreme nutrient limitation: an example from California's pygmy forest. <i>New Phytologist</i> , 2020, 226, 760-769.	3.5	9
1887	Periphyton as an indicator of saltwater intrusion into freshwater wetlands: insights from experimental manipulations. <i>Ecological Applications</i> , 2020, 30, e02067.	1.8	2
1888	Imbalanced stoichiometric patterns in foliar nutrient resorption response to N and P addition in grazing alpine grassland. <i>Acta Oecologica</i> , 2020, 102, 103505.	0.5	6
1889	The scheme of nutrient addition affects vegetation composition and plant species richness in different ways: Results from a long-term grasslands experiment. <i>Agriculture, Ecosystems and Environment</i> , 2020, 291, 106789.	2.5	15
1890	Tracing nitrate sources with a combined isotope approach ($\delta^{15}\text{NNO}_3$, $\delta^{18}\text{ONO}_3$ and $\delta^{11}\text{B}$) in a large mixed-use watershed in southern Alberta, Canada. <i>Science of the Total Environment</i> , 2020, 703, 135043.	3.9	33
1891	Organic and inorganic phosphorus differentially influence invasive forbs. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 263, 151532.	0.6	4
1892	Distinct Intra-lake Heterogeneity of Diazotrophs in a Deep Oligotrophic Mountain Lake. <i>Microbial Ecology</i> , 2020, 79, 840-852.	1.4	7
1893	Optimization of cyanobacterial harvesting and extracellular organic matter removal utilizing magnetic nanoparticles and response surface methodology: A comparative study. <i>Algal Research</i> , 2020, 45, 101756.	2.4	19
1894	The multi-element stoichiometry of wet eucalypt forest is transformed by recent, frequent fire. <i>Plant and Soil</i> , 2020, 447, 447-461.	1.8	9
1895	Co-limitation by N and P Characterizes Phytoplankton Communities Across Nutrient Availability and Land Use. <i>Ecosystems</i> , 2020, 23, 1121-1137.	1.6	14
1896	Shifts in Microbial Biomass C/N/P Stoichiometry and Bacterial Community Composition in Subtropical Estuarine Tidal Marshes Along a Gradient of Freshwater to Oligohaline Water. <i>Ecosystems</i> , 2020, 23, 1265-1280.	1.6	3
1897	Effects of pesticide exposure and predation risk on nutrient cycling and primary production. <i>Science of the Total Environment</i> , 2020, 705, 135880.	3.9	6
1898	Limitation of complementary resources affects colony growth, foraging behavior, and reproduction in bumble bees. <i>Ecology</i> , 2020, 101, e02946.	1.5	25
1899	Removal of phosphate by aluminum-modified clay in a heavily polluted lake, Southwest China: Effectiveness and ecological risks. <i>Science of the Total Environment</i> , 2020, 705, 135850.	3.9	19
1900	Biogeographic patterns of microbial association networks in paddy soil within Eastern China. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107696.	4.2	59
1901	Opposite patterns of soil organic and inorganic carbon along a climate gradient in the alpine steppe of northern Tibetan Plateau. <i>Catena</i> , 2020, 186, 104366.	2.2	15
1902	Snow pollution by nitrogen-containing substances as a consequence of rocket launches from the Baikonur Cosmodrome. <i>Science of the Total Environment</i> , 2020, 709, 136072.	3.9	15

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1903	Three years of cultivating or fencing lands have different impacts on soil nutrients and properties of a subalpine meadow in the Tibetan plateau. <i>Catena</i> , 2020, 186, 104306.	2.2	6
1904	Effects of Excess and Limited Phosphate on Biomass, Lipid and Fatty Acid Contents and the Expression of Four Fatty Acid Desaturase Genes in the Tropical Selenastracean <i>Messastrum gracile</i> SE-MC4. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 1438-1456.	1.4	14
1905	Stabilization of microbial residues in soil organic matter after two years of decomposition. <i>Soil Biology and Biochemistry</i> , 2020, 141, 107687.	4.2	63
1906	Species-specific root proliferation of tree seedlings in tropical litter: do nutrients matter?. <i>Oikos</i> , 2020, 129, 598-606.	1.2	4
1907	Compositional and functional responses of soil microbial communities to long-term nitrogen and phosphorus addition in a calcareous grassland. <i>Pedobiologia</i> , 2020, 78, 150612.	0.5	28
1908	Effects of Experimental Throughfall Exclusion on Soil Respiration in a Continental Coniferous Stand, South Korea. <i>Forests</i> , 2020, 11, 972.	0.9	4
1909	Lake productivity and waterbird functional diversity across geographic and environmental gradients in temperate China. <i>Ecology and Evolution</i> , 2020, 10, 11237-11250.	0.8	4
1910	Sensitivity of soil carbon dynamics to nitrogen and phosphorus enrichment in an alpine meadow. <i>Soil Biology and Biochemistry</i> , 2020, 150, 107984.	4.2	50
1911	Depletion of phosphate rock reserves and world food crisis: Reality or hoax?. <i>African Journal of Agricultural Research Vol Pp</i> , 2020, 16, 1223-1227.	0.2	16
1912	Organic Matter Composition and Phosphorus Speciation of Solid Waste from an African Catfish Recirculating Aquaculture System. <i>Agriculture (Switzerland)</i> , 2020, 10, 466.	1.4	8
1913	A reactive nitrogen budget for forest land and wetlands in Latvia and Estonia. <i>Scandinavian Journal of Forest Research</i> , 2020, 35, 513-522.	0.5	1
1914	Micronutrients enhance macronutrient effects in a meta-analysis of grassland arthropod abundance. <i>Global Ecology and Biogeography</i> , 2020, 29, 2273-2288.	2.7	18
1915	Effects of mining and reduced turnover of Ephemeroptera (Insecta) in streams of the Eastern Brazilian Amazon. <i>Journal of Insect Conservation</i> , 2020, 24, 1061-1072.	0.8	7
1916	The influence of cascade reservoir construction on sediment biogenic substance cycle in Lancang River from the perspective of phosphorus fractions. <i>Ecological Engineering</i> , 2020, 158, 106051.	1.6	15
1917	Ecological Synthesis and Its Role in Advancing Knowledge. <i>BioScience</i> , 0, , .	2.2	4
1918	Environmental and financial assessment of producing bioenergy from <i>Bambusa balcooa</i> , <i>Anogeissus leiocarpa</i> and <i>Senna siamea</i> in Ghana. <i>Journal of Cleaner Production</i> , 2020, 275, 123147.	4.6	4
1919	Upper Midwest lakes are supersaturated with N $₂$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17063-17067.	3.3	27
1920	Biofertilizer as a tool for soil fertility management in changing climate. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 492, 012158.	0.2	12

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1921	Invertebrate grazing and epilithon assemblages control benthic nitrogen fixation in an N-limited river network. <i>Freshwater Science</i> , 2020, 39, 508-520.	0.9	2
1922	Protection offered by leaf fungal endophytes to an invasive species against native herbivores depends on soil nutrients. <i>Journal of Ecology</i> , 2020, 108, 1592-1604.	1.9	17
1923	Effects of hydrodynamic on the mobility of phosphorous induced by sediment resuspension in a seepage affected alluvial channel. <i>Chemosphere</i> , 2020, 260, 127550.	4.2	5
1924	Copper and Gold Nanoparticles Increase Nutrient Excretion Rates of Primary Consumers. <i>Environmental Science & Technology</i> , 2020, 54, 10170-10180.	4.6	10
1925	Beyond resource limitation: an expanded test of the niche dimension hypothesis for multiple types of niche axes. <i>Oecologia</i> , 2020, 193, 689-699.	0.9	8
1926	Dynamics of soil metallic nutrients across a 6000-km temperature transect in China. <i>Science of the Total Environment</i> , 2020, 744, 140888.	3.9	7
1927	Losing Australia's native gardeners. <i>Science</i> , 2020, 370, 925-925.	6.0	0
1928	Stringent Response Regulates Stress Resistance in Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 511801.	1.5	9
1929	Soil C, N and P cycling enzyme responses to nutrient limitation under elevated CO ₂ . <i>Biogeochemistry</i> , 2020, 151, 221-235.	1.7	18
1930	Productive and Environmental Consequences of Sixteen Years of Unbalanced Fertilization with Nitrogen and Phosphorus in Poland with Oilseed Rape, Wheat, Maize and Barley. <i>Agronomy</i> , 2020, 10, 1747.	1.3	5
1931	Where Have All the Nutrients Gone? Long-Term Decoupling of Inputs and Outputs in the Willamette River Watershed, Oregon, United States. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005792.	1.3	7
1932	Biogeochemical Cycling on Land. , 2020, , 183-248.		2
1933	Inland Waters. , 2020, , 293-360.		4
1934	The Oceans. , 2020, , 361-429.		0
1935	The Global Cycles of Nitrogen, Phosphorus and Potassium. , 2020, , 483-508.		2
1936	Spatial and temporal variability of sedimentary nutrients in relation to regional development in the urbanizing lower Chao Phraya watersheds of Thailand. <i>Journal of Soils and Sediments</i> , 2020, 20, 4042-4054.	1.5	4
1937	Episodic loadings of phosphorus influence growth and composition of benthic algae communities in artificial stream mesocosms. <i>Water Research</i> , 2020, 185, 116139.	5.3	6
1938	Identifying diatom indicator species of nutrient enrichment: An in situ nutrient enrichment experiment in subtropical upland streams. <i>Ecological Indicators</i> , 2020, 119, 106744.	2.6	4

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1939	1622WQ: A web-based application to increase farmer awareness of the impact of agriculture on water quality. <i>Environmental Modelling and Software</i> , 2020, 132, 104816.	1.9	19
1940	How Do Soil Bacterial Diversity and Community Composition Respond under Recommended and Conventional Nitrogen Fertilization Regimes?. <i>Microorganisms</i> , 2020, 8, 1193.	1.6	7
1941	Diversity-decomposition relationships in forests worldwide. <i>ELife</i> , 2020, 9, .	2.8	45
1942	N<sub>2</sub><sup>O</sup> changes from the Last Glacial Maximum to the preindustrial â€“ Part 2: terrestrial N<sub>2</sub><sup>O</sup> emissions and carbonâ€“nitrogen cycle interactions. <i>Biogeosciences</i> , 2020, 17, 3511-3543.	1.3	7
1943	A stochastic nutrient-phytoplankton model with viral infection and Markov switching. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110109.	2.5	9
1944	Amorphous Silica Controls Water Storage Capacity and Phosphorus Mobility in Soils. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	30
1945	The Joint Effect of Grazing Intensity and Soil Factors on Aboveground Net Primary Production in Hulunber Grasslands Meadow Steppe. <i>Agriculture (Switzerland)</i> , 2020, 10, 263.	1.4	4
1946	Filling in the Flyover Zone: High Phosphorus in Midwestern (USA) Reservoirs Results in High Phytoplankton Biomass but Not High Primary Productivity. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	11
1947	The misuse of ratios in ecological stoichiometry. <i>Ecology</i> , 2020, 101, e03153.	1.5	109
1948	New soil carbon sequestration with nitrogen enrichment: a meta-analysis. <i>Plant and Soil</i> , 2020, 454, 299-310.	1.8	35
1949	Tackling Harmful Cyanobacterial Blooms with Chinese Colleagues: We're All in the Same Boat. <i>Journal of Phycology</i> , 2020, 56, 1398-1403.	1.0	2
1950	Phosphorus cycling in watersheds: from limnology to environmental science. <i>Limnology</i> , 2020, 21, 327-328.	0.8	3
1951	Effect of nitrogen and phosphorus addition on litter decomposition and nutrients release in a tropical forest. <i>Plant and Soil</i> , 2020, 454, 139-153.	1.8	20
1952	Spatial and temporal patterns in macronutrient concentrations and stoichiometry of tributaries draining the lower Great Lakes-St. Lawrence basin. <i>Journal of Great Lakes Research</i> , 2020, 46, 989-1000.	0.8	3
1953	One leaf for all: Chemical traits of single leaves measured at the leaf surface using nearâ€“infrared reflectance spectroscopy. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1061-1071.	2.2	12
1954	Geochemical contamination in the Densu Estuary, Gulf of Guinea, Ghana. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42530-42555.	2.7	8
1955	Distribution Characteristics of Soil Organic Phosphorus Fractions in the Inner Mongolia Steppe. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2394-2405.	1.7	7
1956	The role of phosphorus and nitrogen on chlorophyll a: Evidence from hundreds of lakes. <i>Water Research</i> , 2020, 185, 116236.	5.3	80

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1957	Global impacts of fertilization and herbivore removal on soil net nitrogen mineralization are modulated by local climate and soil properties. <i>Global Change Biology</i> , 2020, 26, 7173-7185.	4.2	25
1958	Native broadleaf tree species stimulate topsoil nutrient transformation by changing microbial community composition and physiological function, but not biomass in subtropical plantations with low P status. <i>Forest Ecology and Management</i> , 2020, 477, 118491.	1.4	16
1959	Soil nutrient stoichiometry on linear sand dunes from a temperate desert in Central Asia. <i>Catena</i> , 2020, 195, 104847.	2.2	23
1960	Complete nitrogen removal via simultaneous nitrification and denitrification by a novel phosphate accumulating <i>Thauera</i> sp. strain SND5. <i>Water Research</i> , 2020, 185, 116300.	5.3	150
1961	Canopy photosynthetic capacity drives contrasting age dynamics of resource use efficiencies between mature temperate evergreen and deciduous forests. <i>Global Change Biology</i> , 2020, 26, 6156-6167.	4.2	22
1962	Response of C, N, and P stoichiometry characteristics of <i>Broussonetia papyrifera</i> to altitude gradients and soil nutrients in the karst rocky ecosystem, SW China. <i>Plant and Soil</i> , 2022, 475, 123-136.	1.8	31
1963	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. <i>Oecologia</i> , 2020, 194, 735-744.	0.9	8
1964	Biogeochemical cycling of phosphorus in subsoils of temperate forest ecosystems. <i>Biogeochemistry</i> , 2020, 150, 313-328.	1.7	17
1965	In situ chelation of phosphorus using microencapsulated aluminum and iron sulfate to bind intestinal phosphorus in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Animal Feed Science and Technology</i> , 2020, 269, 114675.	1.1	2
1966	The potential use of waterworks sludge in greening: A bioassay with bermudagrass [<i>Cynodon dactylon</i> (L.) Pers.]. <i>Urban Forestry and Urban Greening</i> , 2020, 55, 126856.	2.3	7
1967	Changes in coupled carbon–nitrogen dynamics in a tundra ecosystem predate post-1950 regional warming. <i>Communications Earth & Environment</i> , 2020, 1, .	2.6	2
1968	Comparative Effectiveness of Some Approaches to Extracting Most Informative Factors Influencing Algae Bioproductivity. , 2020, , .		2
1969	A small omnivore fish (<i>Acheilognathus macropterus</i>) reduces both growth and biomass of submerged macrophytes: implications for shallow lake restoration. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2020, , 34.	0.5	3
1970	Shifting limitation of primary production: experimental support for a new model in lake ecosystems. <i>Ecology Letters</i> , 2020, 23, 1800-1808.	3.0	23
1971	Seasonal variation in effects of urea and phosphorus on phytoplankton abundance and community composition in a hypereutrophic hardwater lake. <i>Freshwater Biology</i> , 2020, 65, 1765-1781.	1.2	5
1972	Nitrogen and Phosphorus interactions in plants: from agronomic to physiological and molecular insights. <i>Current Opinion in Plant Biology</i> , 2020, 57, 104-109.	3.5	49
1973	A database of chlorophyll and water chemistry in freshwater lakes. <i>Scientific Data</i> , 2020, 7, 310.	2.4	37
1974	Contaminants of the Great Lakes. <i>Handbook of Environmental Chemistry</i> , 2020, , .	0.2	1

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1975	Taxonomic identity best explains variation in body nutrient stoichiometry in a diverse marine animal community. <i>Scientific Reports</i> , 2020, 10, 13718.	1.6	16
1976	Grassland ecosystem recovery after soil disturbance depends on nutrient supply rate. <i>Ecology Letters</i> , 2020, 23, 1756-1765.	3.0	29
1977	Mean annual temperature influences local fine root proliferation and arbuscular mycorrhizal colonization in a tropical wet forest. <i>Ecology and Evolution</i> , 2020, 10, 9635-9646.	0.8	4
1978	Quantifying linkages between watershed factors and coastal wetland plant invasion in the US Great Lakes. <i>Landscape Ecology</i> , 2020, 35, 2843-2861.	1.9	1
1979	Convergent nitrogen–phosphorus scaling relationships in different plant organs along an elevational gradient. <i>AoB PLANTS</i> , 2020, 12, plaa021.	1.2	5
1980	Sea surface phytoplankton community response to nutrient and light changes. <i>Marine Biology</i> , 2020, 167, 1.	0.7	4
1981	Arbuscular mycorrhizal symbiosis alters the expression of PHT1 phosphate transporters in roots and nodules of P-starved soybean plants. <i>Theoretical and Experimental Plant Physiology</i> , 2020, 32, 243-253.	1.1	20
1982	Effects of experimental nitrogen enrichment on soil properties and litter decomposition in a Neotropical savanna. <i>Austral Ecology</i> , 2020, 45, 1093-1102.	0.7	2
1983	Integrative ecology in the era of big data—From observation to prediction. <i>Science China Earth Sciences</i> , 2020, 63, 1429-1442.	2.3	14
1984	³¹ P-NMR Metabolomics Revealed Species-Specific Use of Phosphorous in Trees of a French Guiana Rainforest. <i>Molecules</i> , 2020, 25, 3960.	1.7	7
1985	Thresholds for ecological responses to global change do not emerge from empirical data. <i>Nature Ecology and Evolution</i> , 2020, 4, 1502-1509.	3.4	151
1986	Ecological stoichiometric characteristics of Carbon (C), Nitrogen (N) and Phosphorus (P) in leaf, root, stem, and soil in four wetland plants communities in Shengjin Lake, China. <i>PLoS ONE</i> , 2020, 15, e0230089.	1.1	12
1987	Allocation Strategies for Seed Nitrogen and Phosphorus in an Alpine Meadow Along an Altitudinal Gradient on the Tibetan Plateau. <i>Frontiers in Plant Science</i> , 2020, 11, 614644.	1.7	9
1988	Implications of increasing Atlantic influence for Arctic microbial community structure. <i>Scientific Reports</i> , 2020, 10, 19262.	1.6	11
1989	Effects of pH and Nutrients (Nitrogen) on Growth and Toxin Profile of the Ciguatera-Causing Dinoflagellate <i>Gambierdiscus polynesiensis</i> (Dinophyceae). <i>Toxins</i> , 2020, 12, 767.	1.5	14
1990	Homeostasis and non-linear shift in the stoichiometry of P-limited planktonic communities. <i>Ecosphere</i> , 2020, 11, e03249.	1.0	4
1991	History and Trends in Ecological Stoichiometry Research from 1992 to 2019: A Scientometric Analysis. <i>Sustainability</i> , 2020, 12, 8909.	1.6	2
1992	Application of the RSPARROW Modeling Tool to Estimate Total Nitrogen Sources to Streams and Evaluate Source Reduction Management Scenarios in the Grande River Basin, Brazil. <i>Water (Switzerland)</i> , 2020, 12, 2911.	1.2	6

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1993	Usability of IoT and Open Data Repositories for Analyzing Water Pollution. A Case Study in the Czech Republic. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 591.	1.4	1
1994	A new sampler for the collection and retrieval of dry dust deposition. <i>Aeolian Research</i> , 2020, 45, 100600.	1.1	11
1995	How many submerged macrophyte species are needed to improve water clarity and quality in Yangtze floodplain lakes?. <i>Science of the Total Environment</i> , 2020, 724, 138267.	3.9	56
1996	An Assessment of Climate Induced Increase in Soil Water Availability for Soil Bacterial Communities Exposed to Long-Term Differential Phosphorus Fertilization. <i>Frontiers in Microbiology</i> , 2020, 11, 682.	1.5	3
1997	Impacts of enhanced weathering on biomass production for negative emission technologies and soil hydrology. <i>Biogeosciences</i> , 2020, 17, 2107-2133.	1.3	24
1998	Including vegetation dynamics in an atmospheric chemistry-enabled general circulation model: linking LPJ-GUESS (v4.0) with the EMAC modelling system (v2.53). <i>Geoscientific Model Development</i> , 2020, 13, 1285-1309.	1.3	12
1999	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.	3.3	141
2000	Quantifying stream periphyton assemblage responses to nutrient amendments with a molecular approach. <i>Freshwater Science</i> , 2020, 39, 292-308.	0.9	4
2001	Interactions between winter and summer herbivory affect spatial and temporal plant nutrient dynamics in tundra grassland communities. <i>Oikos</i> , 2020, 129, 1229-1242.	1.2	17
2002	Phosphorus addition increased carbon partitioning to autotrophic respiration but not to biomass production in an experiment with <i>Zea mays</i> . <i>Plant, Cell and Environment</i> , 2020, 43, 2054-2065.	2.8	7
2003	Trophic control changes with season and nutrient loading in lakes. <i>Ecology Letters</i> , 2020, 23, 1287-1297.	3.0	33
2004	Granular measures of agricultural land use influence lake nitrogen and phosphorus differently at macroscales. <i>Ecological Applications</i> , 2020, 30, e02187.	1.8	8
2005	Dry deposition fluxes of inorganic nitrogen and phosphorus in atmospheric aerosols over the Marginal Seas and Northwest Pacific. <i>Atmospheric Research</i> , 2020, 245, 105076.	1.8	31
2006	Increased soil release of greenhouse gases shrinks terrestrial carbon uptake enhancement under warming. <i>Global Change Biology</i> , 2020, 26, 4601-4613.	4.2	59
2007	Predicting Nutrient Incontinence in the Anthropocene at Watershed Scales. <i>Frontiers in Environmental Science</i> , 2020, 7, .	1.5	39
2008	The C:N:P Stoichiometry of Planted and Natural <i>Larix principis-rupprechtii</i> Stands along Altitudinal Gradients on the Loess Plateau, China. <i>Forests</i> , 2020, 11, 363.	0.9	9
2009	Drought promotes soil phosphorus transformation and reduces phosphorus bioavailability in a temperate forest. <i>Science of the Total Environment</i> , 2020, 732, 139295.	3.9	63
2010	Response of soil phosphorus fractions and fluxes to different vegetation restoration types in a subtropical mountain ecosystem. <i>Catena</i> , 2020, 193, 104663.	2.2	34

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2011	Response of foliar functional traits to experimental N and P addition among overstory and understory species in a tropical secondary forest. <i>Global Ecology and Conservation</i> , 2020, 23, e011109.	1.0	11
2012	Nitrogen deposition enhances plant-microbe interactions in a semiarid grassland: The role of soil physicochemical properties. <i>Geoderma</i> , 2020, 373, 114446.	2.3	32
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2018	Long-term nitrogen loading alleviates phosphorus limitation in terrestrial ecosystems. <i>Global Change Biology</i> , 2020, 26, 5077-5086.	4.2	123
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2030	Light and competition alter leaf stoichiometry of introduced species and native mangrove species. <i>Science of the Total Environment</i> , 2020, 738, 140301.	3.9	26
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2032	Phosphorus restriction influences P efficiency and ornamental quality of poinsettia and chrysanthemum. <i>Scientia Horticulturae</i> , 2020, 267, 109316.	1.7	4
2033	Global response patterns of plant photosynthesis to nitrogen addition: A meta-analysis. <i>Global Change Biology</i> , 2020, 26, 3585-3600.	4.2	139
2034	Carbon and Phosphorus Allocation in Annual Plants: An Optimal Functioning Approach. <i>Frontiers in Plant Science</i> , 2020, 11, 149.	1.7	12
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2039	Biofilm Growth in Two Streams Draining Mountainous Permafrost Catchments in NE Greenland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005557.	1.3	5
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2050	Multi-Dimensional Plant Element Stoichiometry—Looking Beyond Carbon, Nitrogen, and Phosphorus. <i>Frontiers in Plant Science</i> , 2020, 11, 23.	1.7	25
2051	Variation in Foliar δ ¹⁵ N Reflects Anthropogenic Nitrogen Absorption Potential of Mangrove Forests. <i>Forests</i> , 2020, 11, 133.	0.9	9
2052	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.	1.3	8
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2056	Phosphorus addition regulates the responses of soil multifunctionality to nitrogen over-fertilization in a temperate grassland. <i>Plant and Soil</i> , 2022, 473, 73-87.	1.8	27
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2067	Is limnology becoming increasingly abiotic, riverine, and global?. <i>Limnology and Oceanography Letters</i> , 2020, 5, 204-211.	1.6	4
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2069	Low threshold for nitrogen concentration saturation in headwaters increases regional and coastal delivery. <i>Environmental Research Letters</i> , 2020, 15, 044018.	2.2	9
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2071	A Novel Approach for the Quantification of Different Inorganic and Organic Phosphorus Compounds in Environmental Samples by $P_{L2,3}$ -Edge X-ray Absorption Near-Edge Structure (XANES) Spectroscopy. <i>Environmental Science & Technology</i> , 2020, 54, 2812-2820.	4.6	10
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2073	Phosphorus facilitation and covariation of root traits in steppe species. <i>New Phytologist</i> , 2020, 226, 1285-1298.	3.5	62
2074	Light Competition and Biodiversity Loss Cause Saturation Response of Aboveground Net Primary Productivity to Nitrogen Enrichment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005556.	1.3	18
2075	Global mapping of freshwater nutrient enrichment and periphyton growth potential. <i>Scientific Reports</i> , 2020, 10, 3568.	1.6	49
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2078	Thinning drives C:N:P stoichiometry and nutrient resorption in <i>Larix principis-rupprechtii</i> plantations in North China. <i>Forest Ecology and Management</i> , 2020, 462, 117984.	1.4	34
2079	Global patterns of terrestrial nitrogen and phosphorus limitation. <i>Nature Geoscience</i> , 2020, 13, 221-226.	5.4	541
2080	Gas exchange characteristics and their influencing factors for halophytic plant communities on west coast of Bohai Sea. <i>PLoS ONE</i> , 2020, 15, e0229047.	1.1	4
2081	Phosphorus leaching from riparian soils with differing management histories under three grass species. <i>Journal of Environmental Quality</i> , 2020, 49, 74-84.	1.0	5
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2085	Disturbance legacies increase and synchronize nutrient concentrations and bacterial productivity in coastal ecosystems. <i>Ecology</i> , 2020, 101, e02988.	1.5	16
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2087	Interactions between intercropped <i>Avena sativa</i> and <i>Agropyron cristatum</i> for nitrogen uptake. <i>Plant and Soil</i> , 2020, 447, 611-621.	1.8	19
2088	Integrating multi indices for identifying priority management areas in lowland to control lake eutrophication: A case study in lake Gehu, China. <i>Ecological Indicators</i> , 2020, 112, 106103.	2.6	10
2089	Global meta-analysis shows pervasive phosphorus limitation of aboveground plant production in natural terrestrial ecosystems. <i>Nature Communications</i> , 2020, 11, 637.	5.8	310
2090	Interactions of nitrogen and phosphorus cycling promote P acquisition and explain synergistic plant growth responses. <i>Ecology</i> , 2020, 101, e03003.	1.5	58
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2092	Intra-annual variation of phytoplankton community responses to factorial N, P, and CO ₂ enrichment in a temperate mesotrophic lake. <i>Freshwater Biology</i> , 2020, 65, 960-970.	1.2	6
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2094	Phosphate Limitation Increases Content of Protease Inhibitors in the Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Toxins</i> , 2020, 12, 33.	1.5	9
2095	Binational Efforts Addressing Cyanobacterial Harmful Algal Blooms in the Great Lakes. <i>Handbook of Environmental Chemistry</i> , 2020, , 109-133.	0.2	9
2096	Compared to conventional, ecological intensive management promotes beneficial proteolytic soil microbial communities for agro-ecosystem functioning under climate change-induced rain regimes. <i>Scientific Reports</i> , 2020, 10, 7296.	1.6	14
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2103	Rethinking discretization to advance limnology amid the ongoing information explosion. <i>Water Research</i> , 2020, 178, 115801.	5.3	9
2104	N, P and K stoichiometry and resorption efficiency of nine dominant shrub species in the deserts of Xinjiang, China. <i>Ecological Research</i> , 2020, 35, 625-637.	0.7	9
2105	Sediment pollution and nitrogen release at the sediment-water interface in Changjiang River and its tributary, the lower Han River Basin. <i>Water and Environment Journal</i> , 2020, 34, 672-682.	1.0	6
2106	Effects of Nutrient Limitation on the Synthesis of N-Rich Phytoplankton Toxins: A Meta-Analysis. <i>Toxins</i> , 2020, 12, 221.	1.5	35
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2109	Simulated nitrogen deposition decreases soil microbial diversity in a semiarid grassland, with little mediation of this effect by mowing. <i>Pedobiologia</i> , 2020, 80, 150644.	0.5	14
2110	A Model-Based Investigation of Terrestrial Plant Carbon Uptake Response to Four Radiation Modification Approaches. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031883.	1.2	9
2111	Competing effects of soil fertility and toxicity on tropical greening. <i>Scientific Reports</i> , 2020, 10, 6725.	1.6	6
2112	Nitrate depletion dynamics and primary production in riverine benthic chambers. <i>Freshwater Science</i> , 2020, 39, 169-182.	0.9	5
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2114	Warming Effects on Periphyton Community and Abundance in Different Seasons Are Influenced by Nutrient State and Plant Type: A Shallow Lake Mesocosm Study. <i>Frontiers in Plant Science</i> , 2020, 11, 404.	1.7	21
2115	Status, Potential, Prospects, and Issues of Floodplain Wetland Fisheries in India: Synthesis and Review for Sustainable Management. <i>Reviews in Fisheries Science and Aquaculture</i> , 2021, 29, 1-32.	5.1	42
2116	Potential microbial bioindicators of phosphorus mining in a temperate deciduous forest. <i>Journal of Applied Microbiology</i> , 2021, 130, 109-122.	1.4	35
2117	Soil available nitrogen and phosphorus affected by functional bacterial community composition and diversity as ecological restoration progressed. <i>Land Degradation and Development</i> , 2021, 32, 183-198.	1.8	17
2118	Alteration of dominant cyanobacteria in different bloom periods caused by abiotic factors and species interactions. <i>Journal of Environmental Sciences</i> , 2021, 99, 1-9.	3.2	49
2119	The stoichiometry of leaf nitrogen and phosphorus resorption in plantation forests. <i>Forest Ecology and Management</i> , 2021, 483, 118743.	1.4	8

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2121	<i>Gevuina avellana</i> and <i>Lomatia dentata</i> , two Proteaceae species from evergreen temperate forests of South America exhibit contrasting physiological responses under nutrient deprivation. <i>Plant and Soil</i> , 2021, 464, 29-44.	1.8	8
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2123	Increase of soil nitrogen availability and recycling with stand age of Chinese-fir plantations. <i>Forest Ecology and Management</i> , 2021, 480, 118643.	1.4	28
2124	The effects of nutrient limitations on microbial respiration and organic matter decomposition in a Florida Spodosol as influenced by historical forest management practices. <i>Forest Ecology and Management</i> , 2021, 479, 118592.	1.4	16
2125	Concentration, sources and wet deposition of dissolved nitrogen and organic carbon in the Northern Indo-Gangetic Plain during monsoon. <i>Journal of Environmental Sciences</i> , 2021, 102, 37-52.	3.2	12
2126	Relationships of total phosphorus and chlorophyll in lakes worldwide. <i>Limnology and Oceanography</i> , 2021, 66, 392-404.	1.6	64
2127	Impacts of fish farming on elemental stoichiometry, fluorescence components, and stable isotopes of dissolved organic matter in a tropical reservoir. <i>Environmental Pollution</i> , 2021, 268, 115704.	3.7	5
2128	Nutrient limitation of phytoplankton in Chesapeake Bay: Development of an empirical approach for water-quality management. <i>Water Research</i> , 2021, 188, 116407.	5.3	34
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2131	Land use effects on soil phosphorus behavior characteristics in the eutrophic aquatic-terrestrial ecotone of Dianchi Lake, China. <i>Soil and Tillage Research</i> , 2021, 205, 104793.	2.6	14
2132	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. <i>Ecology</i> , 2021, 102, e03218.	1.5	62
2133	Effects of bedrock groundwater discharge on spatial variability of dissolved carbon, nitrogen, and phosphorous concentrations in stream water within a forest headwater catchment. <i>Hydrological Processes</i> , 2021, 35, .	1.1	1
2134	Identifying sources of phosphorus in precipitation using phosphate oxygen isotope in a human and monsoon Co-affected embayment. <i>Atmospheric Environment</i> , 2021, 244, 118008.	1.9	10
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2136	Grazing exclusion alters ecological stoichiometry of plant and soil in degraded alpine grassland. <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107256.	2.5	30
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2140	Success of native and invasive plant congeners depends on inorganic nitrogen compositions and levels. <i>Journal of Plant Ecology</i> , 2021, 14, 202-212.	1.2	8
2141	Global patterns of phosphorus transformation in relation to latitude, temperature and precipitation. <i>Pedosphere</i> , 2021, 31, 214-218.	2.1	6
2142	Interacting effects of urea and water addition on soil mineral-bound phosphorus dynamics in semi-arid grasslands with different land-use history. <i>European Journal of Soil Science</i> , 2021, 72, 946-962.	1.8	15
2143	Foliar, root and rhizospheric soil C:N:P stoichiometries of overstory and understory species in subtropical plantations. <i>Catena</i> , 2021, 198, 105020.	2.2	27
2144	Emerging water pollution in the world's least disturbed lakes on Qinghai-Tibetan Plateau. <i>Environmental Pollution</i> , 2021, 272, 116032.	3.7	31
2145	Global negative effects of nutrient enrichment on arbuscular mycorrhizal fungi, plant diversity and ecosystem multifunctionality. <i>New Phytologist</i> , 2021, 229, 2957-2969.	3.5	84
2146	Decoupled responses of native and exotic tree diversities to distance from old-growth forest and soil phosphorus in novel secondary forests. <i>Applied Vegetation Science</i> , 2021, 24, .	0.9	1
2147	Congeneric invasive versus native plants utilize similar inorganic nitrogen forms but have disparate use efficiencies. <i>Journal of Plant Ecology</i> , 2021, 14, 180-190.	1.2	14
2148	Role of cultural and nutrient management practices in carbon sequestration in agricultural soil. <i>Advances in Agronomy</i> , 2021, 166, 131-196.	2.4	32
2149	Biosecurity implications of drifting marine plastic debris: Current knowledge and future research. <i>Marine Pollution Bulletin</i> , 2021, 162, 111835.	2.3	30
2150	Assessing the impact of long-term soil phosphorus on N-transformation pathways using ¹⁵ N tracing. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108066.	4.2	20
2151	Effects of aquatic vegetation cover (<i>Schoenoplectus decipiens</i>) on microalgal biomass and assemblage structure in temporary wetlands of a semi-arid region (Eastern Cape Karoo, South Africa). <i>South African Journal of Botany</i> , 2021, 137, 183-196.	1.2	0
2152	Nitrogen budget at sediment-water interface altered by sediment dredging and settling particles: Benefits and drawbacks in managing eutrophication. <i>Journal of Hazardous Materials</i> , 2021, 406, 124691.	6.5	40
2153	Combined impact of land cover, precipitation, and catchment area on discharge and phosphorus in the Mississippi basin's subcatchments. <i>Journal of Environmental Quality</i> , 2021, 50, 198-214.	1.0	2
2154	Experimental nitrogen and phosphorus enrichment stimulates multiple trophic levels of algal and detrital-based food webs: a global meta-analysis from streams and rivers. <i>Biological Reviews</i> , 2021, 96, 692-715.	4.7	35
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2158	Prediction of stream nitrogen and phosphorus concentrations from high-frequency sensors using Random Forests Regression. <i>Science of the Total Environment</i> , 2021, 763, 143005.	3.9	48
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2202	Influence of Branch Death on Leaf Nutrient Status and Stoichiometry of Wild Apple Trees (<i>Malus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	2
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2278	Insights on Nitrogen and Phosphorus Co-limitation in Global Croplands From Theoretical and Modeling Fertilization Experiments. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006915.	1.9	3
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2781	Periphyton responses to nitrogen decline and warming in eutrophic shallow lake mesocosms. <i>Hydrobiologia</i> , 0, , 1.	1.0	2
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2856	Relative importance of climatic and edaphic factors as drivers of plant $\delta^{15}N$ along a longitudinal transect. <i>Ecosystem Health and Sustainability</i> , 2022, 8, .	1.5	1
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2878	Effects of Mixed Decomposition of <i>Pinus sylvestris</i> var. <i>mongolica</i> and <i>Morus alba</i> Litter on Microbial Diversity. <i>Microorganisms</i> , 2022, 10, 1117.	1.6	5
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2884	The Effects of an Arbuscular Mycorrhizal Fungus and Rhizobium Symbioses on Soybean Aphid Mostly Fail to Propagate to the Third Trophic Level. <i>Microorganisms</i> , 2022, 10, 1158.	1.6	2
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2896	Global and seasonal variation of marine phosphonate metabolism. <i>ISME Journal</i> , 2022, 16, 2198-2212.	4.4	22
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2901	Do water and soil nutrient scarcities differentially impact the performance of diploid and tetraploid <i>Solidago gigantea</i> (Giant Goldenrod, Asteraceae)? <i>Plant Biology</i> , 2022, 24, 1031-1042.	1.8	8

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2908	C:N:P Stoichiometry in Leaf-Litter-Soil System, Nutrient Resorption and Stoichiometric Homeostasis of Alpine Timberline Ecotones and Adjacent Areas of Sejila Mountain in Southeast Tibet, China. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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2928	The effects of changes in flowering plant composition caused by nitrogen and phosphorus enrichment on plant-pollinator interactions in a Tibetan alpine grassland. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
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2950	Water balance affects foliar and soil nutrients differently. <i>Oecologia</i> , 2022, 199, 965-977.	0.9	2
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3027	Emerging trends in nitrogen and phosphorus signalling in photosynthetic eukaryotes. <i>Trends in Plant Science</i> , 2023, 28, 344-358.	4.3	8
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