Benjamin L Turner

List of Publications by Year
in descending order

340 papers	30,470 citations	4370 86 h-index	6818 155 g-index
354 all docs	354 docs citations	354 times ranked	26667 citing authors

#	Article	IF	Citations
1	Global Desertification: Building a Science for Dryland Development. Science, 2007, 316, 847-851.	6.0	2,072
2	A communal catalogue reveals Earthâ€™s multiscale microbial diversity. Nature, 2017, 551, 457-463.	13.7	1,942
3	Drought sensitivity shapes species distribution patterns in tropical forests. Nature, 2007, 447, 80-82.	13.7	867
4	Mycorrhiza-mediated competition between plants and decomposers drives soil carbon storage. Nature, 2014, 505, 543-545.	13.7	743
5	Inositol phosphates in the environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 449-469.	1.8	617
6	Potassium, phosphorus, or nitrogen limit root allocation, tree growth, or litter production in a lowland tropical forest. Ecology, 2011, 92, 1616-1625.	1.5	478
7	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	4.2	473
8	Species distributions in response to individual soil nutrients and seasonal drought across a community of tropical trees. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5064-5068.	3.3	409
9	Phosphorus solubilization in rewetted soils. Nature, 2001, 411, 258-258.	13.7	352
10	Phosphorusâ€31 Nuclear Magnetic Resonance Spectral Assignments of Phosphorus Compounds in Soil NaOHâ€"EDTA Extracts. Soil Science Society of America Journal, 2003, 67, 497-510.	1.2	350
11	Extraction of soil organic phosphorus. Talanta, 2005, 66, 294-306.	2.9	345
12	Understanding ecosystem retrogression. Ecological Monographs, 2010, 80, 509-529.	2.4	342
13	Linkages of plant traits to soil properties and the functioning of temperate grassland. Journal of Ecology, 2010, 98, 1074-1083.	1.9	308
14	Plant-soil feedback and the maintenance of diversity in Mediterranean-climate shrublands. Science, 2017, 355, 173-176.	6.0	299
15	Resource partitioning for soil phosphorus: a hypothesis. Journal of Ecology, 2008, 96, 698-702.	1.9	277
16	Changes in enzyme activities and soil microbial community composition along carbon and nutrient gradients at the Franz Josef chronosequence, New Zealand. Soil Biology and Biochemistry, 2007, 39, 1770-1781.	4.2	268
17	The global-scale distributions of soil protists and their contributions to belowground systems. Science Advances, 2020, 6, eaax8787.	4.7	263
18	Foliar nutrient concentrations and resorption efficiency in plants of contrasting nutrientâ€acquisition strategies along a 2â€millionâ€year dune chronosequence. Journal of Ecology, 2014, 102, 396-410.	1.9	253

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19	Stoichiometry of microbial carbon use efficiency in soils. Ecological Monographs, 2016, 86, 172-189.	2.4	253
20	Soil Organic Phosphorus Transformations During Pedogenesis. Ecosystems, 2007, 10, 1166-1181.	1.6	252
21	Leaf manganese accumulation and phosphorus-acquisition efficiency. Trends in Plant Science, 2015, 20, 83-90.	4.3	251
22	Long-Term Change in the Nitrogen Cycle of Tropical Forests. Science, 2011, 334, 664-666.	6.0	250
23	The phosphorus transfer continuum: Linking source to impact with an interdisciplinary and multi-scaled approach. Science of the Total Environment, 2005, 344, 5-14.	3.9	244
24	Pervasive phosphorus limitation of tree species but not communities in tropical forests. Nature, 2018, 555, 367-370.	13.7	242
25	Environmental filtering explains variation in plant diversity along resource gradients. Science, 2014, 345, 1602-1605.	6.0	238
26	Proteaceae from severely phosphorusâ€impoverished soils extensively replace phospholipids with galactolipids and sulfolipids during leaf development to achieve a high photosynthetic phosphorusâ€useâ€efficiency. New Phytologist, 2012, 196, 1098-1108.	3.5	225
27	Soil organic phosphorus in lowland tropical rain forests. Biogeochemistry, 2011, 103, 297-315.	1.7	224
28	Variation in pH Optima of Hydrolytic Enzyme Activities in Tropical Rain Forest Soils. Applied and Environmental Microbiology, 2010, 76, 6485-6493.	1.4	223
29	Plant diversity increases with the strength of negative density dependence at the global scale. Science, 2017, 356, 1389-1392.	6.0	222
30	Î²-Glucosidase activity in pasture soils. Applied Soil Ecology, 2002, 20, 157-162.	2.1	221
31	Phosphorus Compounds in Sequential Extracts of Animal Manures:Â Chemical Speciation and a Novel Fractionation Procedure. Environmental Science & Technology, 2004, 38, 6101-6108.	4.6	221
32	Characterisation of water-extractable soil organic phosphorus by phosphatase hydrolysis. Soil Biology and Biochemistry, 2002, 34, 27-35.	4.2	211
33	Tropical wetlands: A missing link in the global carbon cycle?. Global Biogeochemical Cycles, 2014, 28, 1371-1386.	1.9	210
34	The response of microbial biomass and hydrolytic enzymes to a decade of nitrogen, phosphorus, and potassium addition in a lowland tropical rain forest. Biogeochemistry, 2014, 117, 115-130.	1.7	207
35	Soil resources and topography shape local tree community structure in tropical forests. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122532.	1.2	201
36	Relating Soil Phosphorus to Dissolved Phosphorus in Runoff: A Single Extraction Coefficient for Water Quality Modeling. Journal of Environmental Quality, 2005, 34, 572-580.	1.0	200

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37	The phosphorus composition of temperate pasture soils determined by NaOHâ€“EDTA extraction and solution 31 P NMR spectroscopy. Organic Geochemistry, 2003, 34, 1199-1210.	0.9	199
38	Tropical tree seedling growth responses to nitrogen, phosphorus and potassium addition. Journal of Ecology, 2012, 100, 309-316.	1.9	199
39	Microbes follow Humboldt: temperature drives plant and soil microbial diversity patterns from the Amazon to the Andes. Ecology, 2018, 99, 2455-2466.	1.5	197
40	Diversity of plant nutrient-acquisition strategies increases during long-term ecosystem development. Nature Plants, 2015, 1, .	4.7	191
41	Experimental assessment of nutrient limitation along a 2â€million‐year dune chronosequence in the southâ€western Australia biodiversity hotspot. Journal of Ecology, 2012, 100, 631-642.	1.9	189
42	Organic Phosphorus Composition and Potential Bioavailability in Semi-Arid Arable Soils of the Western United States. Soil Science Society of America Journal, 2003, 67, 1168-1179.	1.2	183
43	Relating belowground microbial composition to the taxonomic, phylogenetic, and functional trait distributions of trees in a tropical forest. Ecology Letters, 2015, 18, 1397-1405.	3.0	183
44	Phosphatase activity in temperate pasture soils: Potential regulation of labile organic phosphorus turnover by phosphodiesterase activity. Science of the Total Environment, 2005, 344, 27-36.	3.9	180
45	Soil microbial biomass and the fate of phosphorus during long-term ecosystem development. Plant and Soil, 2013, 367, 225-234.	1.8	176
46	Tree mycorrhizal type predicts withinâ€site variability in the storage and distribution of soil organic matter. Global Change Biology, 2018, 24, 3317-3330.	4.2	167
47	How does pedogenesis drive plant diversity?. Trends in Ecology and Evolution, 2013, 28, 331-340.	4.2	165
48	Sampling, sample treatment and quality assurance issues for the determination of phosphorus species in natural waters and soils. Talanta, 2005, 66, 273-293.	2.9	155
49	Phosphorus Forms and Concentrations in Leachate under Four Grassland Soil Types. Soil Science Society of America Journal, 2000, 64, 1090-1099.	1.2	148
50	Potential contribution of lysed bacterial cells to phosphorus solubilisation in two rewetted Australian pasture soils. Soil Biology and Biochemistry, 2003, 35, 187-189.	4.2	143
51	Stem, root, and older leaf N:P ratios are more responsive indicators of soil nutrient availability than new foliage. Ecology, 2014, 95, 2062-2068.	1.5	138
52	Soil organic phosphorus dynamics following perturbation of litter cycling in a tropical moist forest. European Journal of Soil Science, 2010, 61, 48-57.	1.8	134
53	An ectomycorrhizal nitrogen economy facilitates monodominance in a neotropical forest. Ecology Letters, 2016, 19, 383-392.	3.0	132
54	Soil carbon loss by experimental warming in a tropical forest. Nature, 2020, 584, 234-237.	13.7	132

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55	Ecological succession in a changing world. Journal of Ecology, 2019, 107, 503-509.	1.9	131
56	Carbon stocks in primary and secondary tropical forests in Singapore. Forest Ecology and Management, 2013, 296, 81-89.	1.4	129
57	Convergence of soil nitrogen isotopes across global climate gradients. Scientific Reports, 2015, 5, 8280.	1.6	127
58	Phosphorus Cycling in Wetland Soils. Journal of Environmental Quality, 2005, 34, 1921-1929.	1.0	124
59	Speciesâ€specific responses of foliar nutrients to longâ€term nitrogen and phosphorus additions in a lowland tropical forest. Journal of Ecology, 2014, 102, 36-44.	1.9	123
60	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	1.9	122
61	Fungal Community Composition in Neotropical Rain Forests: the Influence of Tree Diversity and Precipitation. Microbial Ecology, 2012, 63, 804-812.	1.4	121
62	Nitrogen deposition accelerates soil carbon sequestration in tropical forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	120
63	Determination of <i>neo</i>- and <scp>d</scp>-<i>chiro</i>-Inositol Hexakisphosphate in Soils by Solution ³¹P NMR Spectroscopy. Environmental Science & Technology, 2012, 46, 4994-5002.	4.6	119
64	Tropical forest responses to increasing atmospheric CO2: current knowledge and opportunities for future research. Functional Plant Biology, 2013, 40, 531.	1.1	118
65	Recovering Phosphorus from Soil: A Root Solution?. Environmental Science & Technology, 2012, 46, 1977-1978.	4.6	116
66	Community proteogenomics reveals the systemic impact of phosphorus availability on microbial functions in tropical soil. Nature Ecology and Evolution, 2018, 2, 499-509.	3.4	116
67	Extinction at the end-Cretaceous and the origin of modern Neotropical rainforests. Science, 2021, 372, 63-68.	6.0	115
68	Leaf nitrogen to phosphorus ratios of tropical trees: experimental assessment of physiological and environmental controls. New Phytologist, 2010, 185, 770-779.	3.5	113
69	Nitrogen and phosphorus constrain labile and stable carbon turnover in lowland tropical forest soils. Soil Biology and Biochemistry, 2015, 80, 26-33.	4.2	113
70	Using organic phosphorus to sustain pasture productivity: A perspective. Geoderma, 2014, 221-222, 11-19.	2.3	111
71	Soil Development and Nutrient Availability Along a 2Â Million-Year Coastal Dune Chronosequence Under Species-Rich Mediterranean Shrubland in Southwestern Australia. Ecosystems, 2015, 18, 287-309.	1.6	110
72	Soil bacterial community succession during longâ€term ecosystem development. Molecular Ecology, 2013, 22, 3415-3424.	2.0	105

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73	Plant responses to fertilization experiments in lowland, speciesâ€rich, tropical forests. Ecology, 2018, 99, 1129-1138.	1.5	105
74	Chemistry and Dynamics of Soil Organic Phosphorus. Agronomy, 0, , 87-121.	0.2	102
75	Transpiration efficiency of a tropical pioneer tree (Ficus insipida) in relation to soil fertility. Journal of Experimental Botany, 2007, 58, 3549-3566.	2.4	101
76	Photosynthetic physiology of eucalypts along a sub-continental rainfall gradient in northern Australia. Agricultural and Forest Meteorology, 2011, 151, 1462-1470.	1.9	101
77	Habitat filtering across tree life stages in tropical forest communities. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130548.	1.2	101
78	Identification of <i>scyllo</i>â€Inositol Phosphates in Soil by Solution Phosphorusâ€31 Nuclear Magnetic Resonance Spectroscopy. Soil Science Society of America Journal, 2004, 68, 802-808.	1.2	100
79	Priming and microbial nutrient limitation in lowland tropical forest soils of contrasting fertility. Biogeochemistry, 2012, 111, 219-237.	1.7	99
80	Depletion of organic phosphorus from Oxisols in relation to phosphatase activities in the rhizosphere. European Journal of Soil Science, 2006, 57, 47-57.	1.8	98
81	Root exudate analogues accelerate CO2 and CH4 production in tropical peat. Soil Biology and Biochemistry, 2018, 117, 48-55.	4.2	98
82	Soil organic phosphorus in tropical forests: an assessment of the NaOHâ€"EDTA extraction procedure for quantitative analysis by solution ³¹P NMR spectroscopy. European Journal of Soil Science, 2008, 59, 453-466.	1.8	97
83	Soil organic matter biochemistry and potential susceptibility to climatic change across the forest-tundra ecotone in the Fennoscandian mountains. Global Change Biology, 2003, 9, 759-772.	4.2	96
84	Pedogenesis, nutrient dynamics, and ecosystem development: the legacy of T.W. Walker and J.K. Syers. Plant and Soil, 2013, 367, 1-10.	1.8	93
85	Optimizing Phosphorus Characterization in Animal Manures by Solution Phosphorusâ€31 Nuclear Magnetic Resonance Spectroscopy. Journal of Environmental Quality, 2004, 33, 757-766.	1.0	91
86	Variable Responses of Lowland Tropical Forest Nutrient Status to Fertilization and Litter Manipulation. Ecosystems, 2012, 15, 387-400.	1.6	91
87	Title is missing!. Soil Science, 2003, 168, 469-478.	0.9	90
88	Phosphorus-31 Nuclear Magnetic Resonance Spectral Assignments of Phosphorus Compounds in Soil NaOHâ€"EDTA Extracts. Soil Science Society of America Journal, 2003, 67, 497.	1.2	89
89	Phosphorus fractionation in lowland tropical rainforest soils in central Panama. Catena, 2010, 82, 118-125.	2.2	88
90	Soil nutrients and dispersal limitation shape compositional variation in secondary tropical forests across multiple scales. Journal of Ecology, 2019, 107, 566-581.	1.9	88

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91	Responses of Soil Fungi to Logging and Oil Palm Agriculture in Southeast Asian Tropical Forests. Microbial Ecology, 2015, 69, 733-747.	1.4	87
92	Shortâ€Term Changes in Extractable Inorganic Nutrients during Storage of Tropical Rain Forest Soils. Soil Science Society of America Journal, 2009, 73, 1972-1979.	1.2	86
93	Negative density dependence is stronger in resourceâ€rich environments and diversifies communities when stronger for common but not rare species. Ecology Letters, 2016, 19, 657-667.	3.0	86
94	QUANTIFICATION OF MYO-INOSITOL HEXAKISPHOSPHATE IN ALKALINE SOIL EXTRACTS BY SOLUTION 31P NMR SPECTROSCOPY AND SPECTRAL DECONVOLUTION. Soil Science, 2003, 168, 469-478.	0.9	84
95	Nutrientâ€specific solubility patterns of leaf litter across 41 lowland tropical woody species. Ecology, 2013, 94, 94-105.	1.5	82
96	Changes in Bicarbonateâ€extractable Inorganic and Organic Phosphorus by Drying Pasture Soils. Soil Science Society of America Journal, 2003, 67, 344-350.	1.2	81
97	Physiological and isotopic (<i>Î´</i>¹³C and <i>Î´</i>¹⁸O) responses of three tropical tree species to water and nutrient availability. Plant, Cell and Environment, 2009, 32, 1441-1455.	2.8	81
98	Isolating the influence of <scp>pH</scp> on the amounts and forms of soil organic phosphorus. European Journal of Soil Science, 2013, 64, 249-259.	1.8	81
99	Plantâ€“soil interactions maintain biodiversity and functions of tropical forest ecosystems. Ecological Research, 2018, 33, 149-160.	0.7	81
100	Conifers, Angiosperm Trees, and Lianas: Growth, Whole-Plant Water and Nitrogen Use Efficiency, and Stable Isotope Composition (<i>Î´</i> Â13C and <i>Î´</i> Â18O) of Seedlings Grown in a Tropical Environment Â. Plant Physiology, 2008, 148, 642-659.	2.3	80
101	Piecewise Disassembly of a Large-Herbivore Community across a Rainfall Gradient: The UHURU Experiment. PLoS ONE, 2013, 8, e55192.	1.1	80
102	Biogeochemical processes along a nutrient gradient in a tropical ombrotrophic peatland. Biogeochemistry, 2011, 104, 147-163.	1.7	78
103	Nitrogen addition alters ectomycorrhizal fungal communities and soil enzyme activities in a tropical montane forest. Fungal Ecology, 2017, 27, 14-23.	0.7	78
104	Soil fertility shapes belowground food webs across a regional climate gradient. Ecology Letters, 2017, 20, 1273-1284.	3.0	78
105	Greater root phosphatase activity in nitrogenâ€fixing rhizobial but not actinorhizal plants with declining phosphorus availability. Journal of Ecology, 2017, 105, 1246-1255.	1.9	77
106	Increasing plant species diversity and extreme species turnover accompany declining soil fertility along a longâ€term chronosequence in a biodiversity hotspot. Journal of Ecology, 2016, 104, 792-805.	1.9	76
107	Variation in wood nutrients along a tropical soil fertility gradient. New Phytologist, 2016, 211, 440-454.	3.5	76
108	Climate Warming and Soil Carbon in Tropical Forests: Insights from an Elevation Gradient in the Peruvian Andes. BioScience, 2015, 65, 906-921.	2.2	75

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109	Temperature sensitivity of soil enzymes along an elevation gradient in the Peruvian Andes. Biogeochemistry, 2016, 127, 217-230.	1.7	75
110	Influence of Phytase Addition to Poultry Diets on Phosphorus Forms and Solubility in Litters and Amended Soils. Journal of Environmental Quality, 2004, 33, 2306-2316.	1.0	74
111	Broiler Diet Modification and Litter Storage. Journal of Environmental Quality, 2005, 34, 1896-1909.	1.0	74
112	Phosphorus in soils and plants â€“ facing phosphorus scarcity. Plant and Soil, 2016, 401, 1-6.	1.8	74
113	Nitrogen to phosphorus ratio of plant biomass versus soil solution in a tropical pioneer tree, Ficus insipida. Journal of Experimental Botany, 2010, 61, 3735-3748.	2.4	73
114	Variation in ectomycorrhizal fungal communities associated with Oreomunnea mexicana (Juglandaceae) in a Neotropical montane forest. Mycorrhiza, 2016, 26, 1-17.	1.3	72
115	Phosphorus Transformations during Decomposition of Wetland Macrophytes. Environmental Science & Technology, 2010, 44, 9265-9271.	4.6	71
116	Evidence for arrested succession in a lianaâ€infested Amazonian forest. Journal of Ecology, 2016, 104, 149-159.	1.9	71
117	Temporal variability in phosphorus transfers: classifying concentrationâ€“discharge event dynamics. Hydrology and Earth System Sciences, 2004, 8, 88-97.	1.9	70
118	Biogeochemical cycling of soil phosphorus during natural revegetation of Pinus sylvestris on disused sand quarries in Northwestern Russia. Plant and Soil, 2013, 367, 121-134.	1.8	70
119	The Role of Phosphorus Limitation in Shaping Soil Bacterial Communities and Their Metabolic Capabilities. MBio, 2020, 11, .	1.8	69
120	Stability of hydrolytic enzyme activity and microbial phosphorus during storage of tropical rain forest soils. Soil Biology and Biochemistry, 2010, 42, 459-465.	4.2	68
121	Arbuscular mycorrhizal mycelial respiration in a moist tropical forest. New Phytologist, 2010, 186, 957-967.	3.5	68
122	Nutrient Availability in Tropical Rain Forests: The Paradigm of Phosphorus Limitation. Tree Physiology, 2016, , 261-273.	0.9	67
123	The Roots of Diversity: Below Ground Species Richness and Rooting Distributions in a Tropical Forest Revealed by DNA Barcodes and Inverse Modeling. PLoS ONE, 2011, 6, e24506.	1.1	67
124	Contribution of subsurface peat to CO₂ and CH₄ fluxes in a neotropical peatland. Global Change Biology, 2011, 17, 2867-2881.	4.2	66
125	Root and arbuscular mycorrhizal mycelial interactions with soil microorganisms in lowland tropical forest. FEMS Microbiology Ecology, 2013, 85, 37-50.	1.3	66
126	Litter manipulation and the soil arthropod community in a lowland tropical rainforest. Soil Biology and Biochemistry, 2013, 62, 5-12.	4.2	65

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127	Phosphorus transformations along a largeâ€scale climosequence in arid and semiarid grasslands of northern China. Global Biogeochemical Cycles, 2016, 30, 1264-1275.	1.9	65
128	Microbial responses to warming enhance soil carbon loss following translocation across a tropical forest elevation gradient. Ecology Letters, 2019, 22, 1889-1899.	3.0	65
129	Overestimation of Organic Phosphorus in Wetland Soils by Alkaline Extraction and Molybdate Colorimetry. Environmental Science & Technology, 2006, 40, 3349-3354.	4.6	64
130	Responses of Legume Versus Nonlegume Tropical Tree Seedlings to Elevated CO2 Concentration Â. Plant Physiology, 2011, 157, 372-385.	2.3	64
131	Trait-based community assembly of understory palms along a soil nutrient gradient in a lower montane tropical forest. Oecologia, 2012, 168, 519-531.	0.9	64
132	Variability in potential to exploit different soil organic phosphorus compounds among tropical montane tree species. Functional Ecology, 2015, 29, 121-130.	1.7	64
133	Soil microbial nutrient constraints along a tropical forest elevation gradient: a belowground test of a biogeochemical paradigm. Biogeosciences, 2015, 12, 6071-6083.	1.3	62
134	Colloidal Phosphorus in Surface Runoff and Water Extracts from Semiarid Soils of the Western United States. Journal of Environmental Quality, 2004, 33, 1464-1472.	1.0	61
135	Organic Phosphorus Sequestration in Subtropical Treatment Wetlands. Environmental Science & Technology, 2006, 40, 727-733.	4.6	61
136	Transpiration modulates phosphorus acquisition in tropical tree seedlings. Tree Physiology, 2011, 31, 878-885.	1.4	61
137	Quantifying Uncertainties in Sequential Chemical Extraction of Soil Phosphorus Using XANES Spectroscopy. Environmental Science & Technology, 2020, 54, 2257-2267.	4.6	61
138	Consequences of tropical forest conversion to oil palm on soil bacterial community and network structure. Soil Biology and Biochemistry, 2017, 112, 258-268.	4.2	60
139	Preconcentration and Separation of Trace Phosphorus Compounds in Soil Leachate. Journal of Environmental Quality, 1999, 28, 1497-1504.	1.0	59
140	An ecosystem approach to biodiversity effects: Carbon pools in a tropical tree plantation. Forest Ecology and Management, 2011, 261, 1614-1624.	1.4	59
141	Phosphorus speciation in temperate basaltic grassland soils by solution ³¹P NMR spectroscopy. European Journal of Soil Science, 2009, 60, 638-651.	1.8	58
142	Soilâ€based habitat partitioning in understorey palms in lower montane tropical forests. Journal of Biogeography, 2010, 37, 278-292.	1.4	58
143	Linking spatial patterns of leaf litterfall and soil nutrients in a tropical forest: a neighborhood approach. Ecological Applications, 2015, 25, 2022-2034.	1.8	58
144	Responses of arbuscular mycorrhizal fungi to long-term inorganic and organic nutrient addition in a lowland tropical forest. ISME Journal, 2018, 12, 2433-2445.	4.4	58

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145	Phosphorus compounds in subarctic Fennoscandian soils at the mountain birch (Betula) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7	4.2	57
146	Soil phosphorus fractionation and nutrient dynamics along the Cooloola coastal dune chronosequence, southern Queensland, Australia. Geoderma, 2015, 257-258, 4-13.	2.3	57
147	Plants sustain the terrestrial silicon cycle during ecosystem retrogression. Science, 2020, 369, 1245-1248.	6.0	57
148	Inositol phosphates in soil: amounts, forms and significance of the phosphorylated inositol stereoisomers.. , 2007, , 186-206.		56
149	Rapid estimation of microbial biomass in grassland soils by ultra-violet absorbance. Soil Biology and Biochemistry, 2001, 33, 913-919.	4.2	55
150	Characterization of the phosphatase activities of mosses in relation to their environment. Plant, Cell and Environment, 2001, 24, 1165-1176.	2.8	55
151	Seasonal phosphatase activity in three characteristic soils of the English uplands polluted by long-term atmospheric nitrogen deposition. Environmental Pollution, 2002, 120, 313-317.	3.7	55
152	Seedling growth responses to phosphorus reflect adult distribution patterns of tropical trees. New Phytologist, 2016, 212, 400-408.	3.5	55
153	The role of soil chemistry and plant neighbourhoods in structuring fungal communities in three Panamanian rainforests. Journal of Ecology, 2017, 105, 569-579.	1.9	55
154	A climosequence of chronosequences in southwestern Australia. European Journal of Soil Science, 2018, 69, 69-85.	1.8	55
155	Carbon sequestration potential of tropical pasture compared with afforestation in Panama. Global Change Biology, 2011, 17, 2763-2780.	4.2	54
156	Plant <i>Î´</i>¹⁵N Correlates with the Transpiration Efficiency of Nitrogen Acquisition in Tropical Trees. Plant Physiology, 2009, 151, 1667-1676.	2.3	53
157	Seasonal Changes and Treatment Effects on Soil Inorganic Nutrients Following a Decade of Fertilizer Addition in a Lowland Tropical Forest. Soil Science Society of America Journal, 2013, 77, 1357-1369.	1.2	52
158	When does intraspecific trait variation contribute to functional betaâ€diversity?. Journal of Ecology, 2016, 104, 487-496.	1.9	52
159	Plasticity in nitrogen uptake among plant species with contrasting nutrient acquisition strategies in a tropical forest. Ecology, 2017, 98, 1388-1398.	1.5	52
160	Composition and concentration of root exudate analogues regulate greenhouse gas fluxes from tropical peat. Soil Biology and Biochemistry, 2018, 127, 280-285.	4.2	52
161	Leaf manganese concentrations as a tool to assess belowground plant functioning in phosphorus-impoverished environments. Plant and Soil, 2021, 461, 43-61.	1.8	52
162	Soil organic phosphorus transformations along a coastal dune chronosequence under New Zealand temperate rain forest. Biogeochemistry, 2014, 121, 595-611.	1.7	51

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163	Seasonal changes in soil organic matter after a decade of nutrient addition in a lowland tropical forest. Biogeochemistry, 2015, 123, 221-235.	1.7	51
164	Phosphatase activity and nitrogen fixation reflect species differences, not nutrient trading or nutrient balance, across tropical rainforest trees. Ecology Letters, 2018, 21, 1486-1495.	3.0	51
165	Soil nutrient dynamics during podzol development under lowland temperate rain forest in New Zealand. Catena, 2012, 97, 50-62.	2.2	48
166	Does litter input determine carbon storage and peat organic chemistry in tropical peatlands?. Geoderma, 2018, 326, 76-87.	2.3	48
167	Contrasting patterns of plant and microbial diversity during longâ€term ecosystem development. Journal of Ecology, 2019, 107, 606-621.	1.9	48
168	Quality not quantity: Organic matter composition controls of CO2 and CH4 fluxes in neotropical peat profiles. Soil Biology and Biochemistry, 2016, 103, 86-96.	4.2	47
169	Assessment of bioavailable organic phosphorus in tropical forest soils by organic acid extraction and phosphatase hydrolysis. Geoderma, 2016, 284, 93-102.	2.3	47
170	Phosphorus Composition of Manure from Swine Fed Lowâ€Phytate Grains. Journal of Environmental Quality, 2004, 33, 2380-2383.	1.0	46
171	Biogeochemistry drives diversity in the prokaryotes, fungi, and invertebrates of a Panama forest. Ecology, 2017, 98, 2019-2028.	1.5	46
172	Informing models through empirical relationships between foliar phosphorus, nitrogen and photosynthesis across diverse woody species in tropical forests of Panama. New Phytologist, 2017, 215, 1425-1437.	3.5	46
173	Phosphorus composition of upland soils polluted by long-term atmospheric nitrogen deposition. Biogeochemistry, 2003, 65, 259-274.	1.7	45
174	Stable nitrogen isotope patterns of trees and soils altered by long-term nitrogen and phosphorus addition to a lowland tropical rainforest. Biogeochemistry, 2014, 119, 293-306.	1.7	45
175	Arbuscular mycorrhizal fungal community composition is altered by longâ€term litter removal but not litter addition in a lowland tropical forest. New Phytologist, 2017, 214, 455-467.	3.5	45
176	Phytate as a novel phosphorus-specific paleo-indicator in aquatic sediments. Journal of Paleolimnology, 2009, 42, 391-400.	0.8	43
177	Temporal patterns of nutrient availability around nests of leaf-cutting ants (Atta colombica) in secondary moist tropical forest. Soil Biology and Biochemistry, 2009, 41, 1088-1093.	4.2	42
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