

Peter B Reich

List of Publications by Year in descending order

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726
papers

124,068
citations

106

164
h-index

186

317
g-index

759
all docs

759
docs citations

759
times ranked

52335
citing authors

#	ARTICLE	IF	CITATIONS
1	The worldwide leaf economics spectrum. <i>Nature</i> , 2004, 428, 821-827.	13.7	6,489
2	A handbook of protocols for standardised and easy measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , 2003, 51, 335.	0.3	3,071
3	New handbook for standardised measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , 2013, 61, 167.	0.3	2,818
4	The Influence of Functional Diversity and Composition on Ecosystem Processes. <i>Science</i> , 1997, 277, 1300-1302.	6.0	2,414
5	The world-wide “fast-slow” plant economics spectrum: a traits manifesto. <i>Journal of Ecology</i> , 2014, 102, 275-301.	1.9	2,379
6	The global spectrum of plant form and function. <i>Nature</i> , 2016, 529, 167-171.	13.7	2,022
7	Biomass allocation to leaves, stems and roots: meta-analyses of interspecific variation and environmental control. <i>New Phytologist</i> , 2012, 193, 30-50.	3.5	2,012
8	TRY – a global database of plant traits. <i>Global Change Biology</i> , 2011, 17, 2905-2935.	4.2	2,002
9	From tropics to tundra: Global convergence in plant functioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 13730-13734.	3.3	1,979
10	Plant species traits are the predominant control on litter decomposition rates within biomes worldwide. <i>Ecology Letters</i> , 2008, 11, 1065-1071.	3.0	1,913
11	Diversity and Productivity in a Long-Term Grassland Experiment. <i>Science</i> , 2001, 294, 843-845.	6.0	1,873
12	Assessing the generality of global leaf trait relationships. <i>New Phytologist</i> , 2005, 166, 485-496.	3.5	1,704
13	Biodiversity and ecosystem stability in a decade-long grassland experiment. <i>Nature</i> , 2006, 441, 629-632.	13.7	1,668
14	Global patterns of plant leaf N and P in relation to temperature and latitude. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11001-11006.	3.3	1,544
15	Leaf Life-Span in Relation to Leaf, Plant, and Stand Characteristics among Diverse Ecosystems. <i>Ecological Monographs</i> , 1992, 62, 365-392.	2.4	1,385
16	Microbial diversity drives multifunctionality in terrestrial ecosystems. <i>Nature Communications</i> , 2016, 7, 10541.	5.8	1,365
17	Three keys to the radiation of angiosperms into freezing environments. <i>Nature</i> , 2014, 506, 89-92.	13.7	1,284
18	High plant diversity is needed to maintain ecosystem services. <i>Nature</i> , 2011, 477, 199-202.	13.7	1,195

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19	GENERALITY OF LEAF TRAIT RELATIONSHIPS: A TEST ACROSS SIX BIOMES. <i>Ecology</i> , 1999, 80, 1955-1969.	1.5	1,091
20	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
21	Biodiversity increases the resistance of ecosystem productivity to climate extremes. <i>Nature</i> , 2015, 526, 574-577.	13.7	1,032
22	Biodiversity as a barrier to ecological invasion. <i>Nature</i> , 2002, 417, 636-638.	13.7	935
23	Quantifying global soil carbon losses in response to warming. <i>Nature</i> , 2016, 540, 104-108.	13.7	879
24	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, .	6.0	864
25	Functional traits and the growth“mortality trade“off in tropical trees. <i>Ecology</i> , 2010, 91, 3664-3674.	1.5	788
26	Nitrogen limitation constrains sustainability of ecosystem response to CO ₂ . <i>Nature</i> , 2006, 440, 922-925.	13.7	780
27	A global study of relationships between leaf traits, climate and soil measures of nutrient fertility. <i>Global Ecology and Biogeography</i> , 2009, 18, 137-149.	2.7	767
28	Global patterns of foliar nitrogen isotopes and their relationships with climate, mycorrhizal fungi, foliar nutrient concentrations, and nitrogen availability. <i>New Phytologist</i> , 2009, 183, 980-992.	3.5	744
29	Effects of plant species richness on invasion dynamics, disease outbreaks, insect abundances and diversity. <i>Ecology Letters</i> , 1999, 2, 286-293.	3.0	723
30	Canopy structure and vertical patterns of photosynthesis and related leaf traits in a deciduous forest. <i>Oecologia</i> , 1993, 96, 169-178.	0.9	685
31	Impacts of Biodiversity Loss Escalate Through Time as Redundancy Fades. <i>Science</i> , 2012, 336, 589-592.	6.0	672
32	Modulation of leaf economic traits and trait relationships by climate. <i>Global Ecology and Biogeography</i> , 2005, 14, 411-421.	2.7	669
33	Strategy shifts in leaf physiology, structure and nutrient content between species of high- and low-rainfall and high- and low-nutrient habitats. <i>Functional Ecology</i> , 2001, 15, 423-434.	1.7	648
34	Linking litter calcium, earthworms and soil properties: a common garden test with 14 tree species. <i>Ecology Letters</i> , 2005, 8, 811-818.	3.0	586
35	Forest productivity increases with evenness, species richness and trait variation: a global meta“analysis. <i>Journal of Ecology</i> , 2012, 100, 742-749.	1.9	585
36	Global climatic drivers of leaf size. <i>Science</i> , 2017, 357, 917-921.	6.0	580

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37	Quantifying plant response to ozone: a unifying theory. <i>Tree Physiology</i> , 1987, 3, 63-91.	1.4	557
38	Leaf lifespan as a determinant of leaf structure and function among 23 amazonian tree species. <i>Oecologia</i> , 1991, 86, 16-24.	0.9	546
39	Multiple elements of soil biodiversity drive ecosystem functions across biomes. <i>Nature Ecology and Evolution</i> , 2020, 4, 210-220.	3.4	543
40	The emergence and promise of functional biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13690-13696.	3.3	525
41	Plant diversity enhances ecosystem responses to elevated CO ₂ and nitrogen deposition. <i>Nature</i> , 2001, 410, 809-810.	13.7	517
42	Soil microbes drive the classic plant diversity-productivity pattern. <i>Ecology</i> , 2011, 92, 296-303.	1.5	517
43	Anthropogenic environmental changes affect ecosystem stability via biodiversity. <i>Science</i> , 2015, 348, 336-340.	6.0	516
44	Nutrient enrichment, biodiversity loss, and consequent declines in ecosystem productivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11911-11916.	3.3	511
45	Universal scaling of respiratory metabolism, size and nitrogen in plants. <i>Nature</i> , 2006, 439, 457-461.	13.7	484
46	TREE SPECIES EFFECTS ON DECOMPOSITION AND FOREST FLOOR DYNAMICS IN A COMMON GARDEN. <i>Ecology</i> , 2006, 87, 2288-2297.	1.5	482
47	Leaf structure (specific leaf area) modulates photosynthesis-nitrogen relations: evidence from within and across species and functional groups. <i>Functional Ecology</i> , 1998, 12, 948-958.	1.7	479
48	Modelling respiration of vegetation: evidence for a general temperature-dependent Q ₁₀ . <i>Global Change Biology</i> , 2001, 7, 223-230.	4.2	461
49	Ambient Levels of Ozone Reduce Net Photosynthesis in Tree and Crop Species. <i>Science</i> , 1985, 230, 566-570.	6.0	454
50	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	13.7	451
51	Relationships of leaf dark respiration to leaf nitrogen, specific leaf area and leaf life-span: a test across biomes and functional groups. <i>Oecologia</i> , 1998, 114, 471-482.	0.9	441
52	Shifting plant species composition in response to climate change stabilizes grassland primary production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4051-4056.	3.3	431
53	Photosynthesis and respiration rates depend on leaf and root morphology and nitrogen concentration in nine boreal tree species differing in relative growth rate. <i>Functional Ecology</i> , 1998, 12, 395-405.	1.7	430
54	NITROGEN MINERALIZATION AND PRODUCTIVITY IN 50 HARDWOOD AND CONIFER STANDS ON DIVERSE SOILS. <i>Ecology</i> , 1997, 78, 335-347.	1.5	429

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55	FUNDAMENTAL TRADE-OFFS GENERATING THE WORLDWIDE LEAF ECONOMICS SPECTRUM. <i>Ecology</i> , 2006, 87, 535-541.	1.5	422
56	Water Stress and Tree Phenology in a Tropical Dry Forest in the Lowlands of Costa Rica. <i>Journal of Ecology</i> , 1984, 72, 61.	1.9	413
57	Linking leaf and root trait syndromes among 39 grassland and savannah species. <i>New Phytologist</i> , 2005, 167, 493-508.	3.5	413
58	Different photosynthesis-nitrogen relations in deciduous hardwood and evergreen coniferous tree species. <i>Oecologia</i> , 1995, 104, 24-30.	0.9	409
59	Biogeography and variability of eleven mineral elements in plant leaves across gradients of climate, soil and plant functional type in China. <i>Ecology Letters</i> , 2011, 14, 788-796.	3.0	406
60	Biodiversity impacts ecosystem productivity as much as resources, disturbance, or herbivory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10394-10397.	3.3	400
61	Close association of RGR, leaf and root morphology, seed mass and shade tolerance in seedlings of nine boreal tree species grown in high and low light. <i>Functional Ecology</i> , 1998, 12, 327-338.	1.7	397
62	Global trait–environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	3.4	397
63	COMPARISONS OF STRUCTURE AND LIFE SPAN IN ROOTS AND LEAVES AMONG TEMPERATE TREES. <i>Ecological Monographs</i> , 2006, 76, 381-397.	2.4	377
64	From selection to complementarity: shifts in the causes of biodiversity–productivity relationships in a long-term biodiversity experiment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 871-876.	1.2	375
65	Scaling of respiration to nitrogen in leaves, stems and roots of higher land plants. <i>Ecology Letters</i> , 2008, 11, 793-801.	3.0	373
66	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019, 569, 404-408.	13.7	371
67	Carbon-Nitrogen Interactions in Terrestrial Ecosystems in Response to Rising Atmospheric Carbon Dioxide. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2006, 37, 611-636.	3.8	366
68	Global Leaf Trait Relationships: Mass, Area, and the Leaf Economics Spectrum. <i>Science</i> , 2013, 340, 741-744.	6.0	361
69	Low-light carbon balance and shade tolerance in the seedlings of woody plants: do winter deciduous and broad-leaved evergreen species differ?. <i>New Phytologist</i> , 1999, 143, 143-154.	3.5	354
70	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015, 206, 614-636.	3.5	350
71	Why are non-photosynthetic tissues generally ¹³ C enriched compared with leaves in C3 plants? Review and synthesis of current hypotheses. <i>Functional Plant Biology</i> , 2009, 36, 199.	1.1	348
72	Reinforcing loose foundation stones in trait-based plant ecology. <i>Oecologia</i> , 2016, 180, 923-931.	0.9	335

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73	Convergence towards higher leaf mass per area in dry and nutrient-poor habitats has different consequences for leaf life span. <i>Journal of Ecology</i> , 2002, 90, 534-543.	1.9	334
74	PRESCRIBED FIRE IN OAK SAVANNA: FIRE FREQUENCY EFFECTS ON STAND STRUCTURE AND DYNAMICS. , 2001, 11, 914-927.		333
75	Functional traits, productivity and effects on nitrogen cycling of 33 grassland species. <i>Functional Ecology</i> , 2002, 16, 563-574.	1.7	331
76	A global method for calculating plant <sc>CSR</sc> ecological strategies applied across biomes worldwide. <i>Functional Ecology</i> , 2017, 31, 444-457.	1.7	330
77	Are Shade Tolerance, Survival, and Growth Linked? Low Light and Nitrogen Effects on Hardwood Seedlings. <i>Ecology</i> , 1996, 77, 841-853.	1.5	327
78	Canopy nitrogen, carbon assimilation, and albedo in temperate and boreal forests: Functional relations and potential climate feedbacks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19336-19341.	3.3	326
79	Fire frequency drives decadal changes in soil carbon and nitrogen and ecosystem productivity. <i>Nature</i> , 2018, 553, 194-198.	13.7	325
80	Which is a better predictor of plant traits: temperature or precipitation?. <i>Journal of Vegetation Science</i> , 2014, 25, 1167-1180.	1.1	323
81	Spatial Patterns and Succession in a Minnesota Southern-Boreal Forest. <i>Ecological Monographs</i> , 1995, 65, 325-346.	2.4	321
82	Phenology of tropical forests: patterns, causes, and consequences. <i>Canadian Journal of Botany</i> , 1995, 73, 164-174.	1.2	309
83	Species Richness and the Temporal Stability of Biomass Production: A New Analysis of Recent Biodiversity Experiments. <i>American Naturalist</i> , 2014, 183, 1-12.	1.0	309
84	Temperature response of soil respiration largely unaltered with experimental warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13797-13802.	3.3	308
85	Multiple facets of biodiversity drive the diversity-stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	3.4	296
86	Nutrient limitation reduces land carbon uptake in simulations with a model of combined carbon, nitrogen and phosphorus cycling. <i>Biogeosciences</i> , 2012, 9, 3547-3569.	1.3	295
87	Growth and physiology of <i>Picea abies</i> populations from elevational transects: common garden evidence for altitudinal ecotypes and cold adaptation. <i>Functional Ecology</i> , 1998, 12, 573-590.	1.7	291
88	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	2.7	289
89	Spatial complementarity in tree crowns explains overyielding in species mixtures. <i>Nature Ecology and Evolution</i> , 2017, 1, 63.	3.4	285
90	Competition between tree seedlings and herbaceous vegetation: support for a theory of resource supply and demand. <i>Journal of Ecology</i> , 1998, 86, 652-661.	1.9	283

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91	Mean mass-specific metabolic rates are strikingly similar across life's major domains: Evidence for life's metabolic optimum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16994-16999.	3.3	276
92	Leaf phosphorus influences the photosynthesis–nitrogen relation: a cross-biome analysis of 314 species. <i>Oecologia</i> , 2009, 160, 207-212.	0.9	274
93	Erosion reduces soil microbial diversity, network complexity and multifunctionality. <i>ISME Journal</i> , 2021, 15, 2474-2489.	4.4	273
94	Nitrogen and phosphorus constrain the CO ₂ fertilization of global plant biomass. <i>Nature Climate Change</i> , 2019, 9, 684-689.	8.1	269
95	A trade-off between plant and soil carbon storage under elevated CO ₂ . <i>Nature</i> , 2021, 591, 599-603.	13.7	268
96	Extrapolating leaf CO ₂ exchange to the canopy: a generalized model of forest photosynthesis compared with measurements by eddy correlation. <i>Oecologia</i> , 1996, 106, 257-265.	0.9	266
97	Photosynthesis, carboxylation and leaf nitrogen responses of 16 species to elevated pCO ₂ across four free-air CO ₂ enrichment experiments in forest, grassland and desert. <i>Global Change Biology</i> , 2004, 10, 2121-2138.	4.2	265
98	Convergence and correlations among leaf size and function in seed plants: a comparative test using independent contrasts. <i>American Journal of Botany</i> , 1999, 86, 1272-1281.	0.8	262
99	Leaf age and season influence the relationships between leaf nitrogen, leaf mass per area and photosynthesis in maple and oak trees. <i>Plant, Cell and Environment</i> , 1991, 14, 251-259.	2.8	255
100	Global effects of soil and climate on leaf photosynthetic traits and rates. <i>Global Ecology and Biogeography</i> , 2015, 24, 706-717.	2.7	254
101	Least-Cost Input Mixtures of Water and Nitrogen for Photosynthesis. <i>American Naturalist</i> , 2003, 161, 98-111.	1.0	252
102	Metagenomic analysis reveals a marked divergence in the structure of belowground microbial communities at elevated CO ₂ . <i>Ecology Letters</i> , 2010, 13, 564-575.	3.0	252
103	Plant growth enhancement by elevated CO ₂ eliminated by joint water and nitrogen limitation. <i>Nature Geoscience</i> , 2014, 7, 920-924.	5.4	251
104	Earthworm invasion into previously earthworm-free temperate and boreal forests. <i>Biological Invasions</i> , 2006, 8, 1235-1245.	1.2	250
105	Temperature drives global patterns in forest biomass distribution in leaves, stems, and roots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13721-13726.	3.3	249
106	Effects of climate warming on photosynthesis in boreal tree species depend on soil moisture. <i>Nature</i> , 2018, 562, 263-267.	13.7	248
107	Leaf Mass Per Area, Nitrogen Content and Photosynthetic Carbon Gain in <i>Acer saccharum</i> Seedlings in Contrasting Forest Light Environments. <i>Functional Ecology</i> , 1992, 6, 423.	1.7	245
108	Climate change effects on plant-soil feedbacks and consequences for biodiversity and functioning of terrestrial ecosystems. <i>Science Advances</i> , 2019, 5, eaaz1834.	4.7	245

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109	Effects of elevated CO ₂ , nitrogen deposition, and decreased species diversity on foliar fungal plant disease. <i>Global Change Biology</i> , 2003, 9, 438-451.	4.2	243
110	It is elemental: soil nutrient stoichiometry drives bacterial diversity. <i>Environmental Microbiology</i> , 2017, 19, 1176-1188.	1.8	242
111	Trees tolerate an extreme heatwave via sustained transpirational cooling and increased leaf thermal tolerance. <i>Global Change Biology</i> , 2018, 24, 2390-2402.	4.2	242
112	Extinction risk and threats to plants and fungi. <i>Plants People Planet</i> , 2020, 2, 389-408.	1.6	242
113	Do species and functional groups differ in acquisition and use of C, N and water under varying atmospheric CO ₂ and N availability regimes? A field test with 16 grassland species. <i>New Phytologist</i> , 2001, 150, 435-448.	3.5	240
114	How does biomass distribution change with size and differ among species? An analysis for 1200 plant species from five continents. <i>New Phytologist</i> , 2015, 208, 736-749.	3.5	239
115	Plant species richness, elevated CO ₂ , and atmospheric nitrogen deposition alter soil microbial community composition and function. <i>Global Change Biology</i> , 2007, 13, 980-989.	4.2	238
116	Coordinated distributed experiments: an emerging tool for testing global hypotheses in ecology and environmental science. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 147-155.	1.9	237
117	Photosynthesis-nitrogen relations in Amazonian tree species. <i>Oecologia</i> , 1994, 97, 62-72.	0.9	236
118	Conventional functional classification schemes underestimate the relationship with ecosystem functioning. <i>Ecology Letters</i> , 2006, 9, 111-120.	3.0	236
119	Title is missing!. <i>Plant Ecology</i> , 1999, 145, 341-350.	0.7	235
120	The biogeography and filtering of woody plant functional diversity in North and South America. <i>Global Ecology and Biogeography</i> , 2012, 21, 798-808.	2.7	235
121	Climate, soil and plant functional types as drivers of global fine-root trait variation. <i>Journal of Ecology</i> , 2017, 105, 1182-1196.	1.9	234
122	Species and functional group diversity independently influence biomass accumulation and its response to CO ₂ and N. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10101-10106.	3.3	233
123	Global change belowground: impacts of elevated CO ₂ , nitrogen, and summer drought on soil food webs and biodiversity. <i>Global Change Biology</i> , 2012, 18, 435-447.	4.2	233
124	Fine root decomposition rates do not mirror those of leaf litter among temperate tree species. <i>Oecologia</i> , 2010, 162, 505-513.	0.9	229
125	Growth, biomass distribution and CO ₂ exchange of northern hardwood seedlings in high and low light: relationships with successional status and shade tolerance. <i>Oecologia</i> , 1993, 94, 7-16.	0.9	225
126	SEED SIZE, NITROGEN SUPPLY, AND GROWTH RATE AFFECT TREE SEEDLING SURVIVAL IN DEEP SHADE. <i>Ecology</i> , 2000, 81, 1887-1901.	1.5	222

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127	Ectomycorrhizal fungal communities at forest edges. <i>Journal of Ecology</i> , 2005, 93, 244-255.	1.9	219
128	Evolutionarily Stable Strategy Carbon Allocation to Foliage, Wood, and Fine Roots in Trees Competing for Light and Nitrogen: An Analytically Tractable, Individual-Based Model and Quantitative Comparisons to Data. <i>American Naturalist</i> , 2011, 177, 153-166.	1.0	218
129	The fate of carbon in a mature forest under carbon dioxide enrichment. <i>Nature</i> , 2020, 580, 227-231.	13.7	218
130	Long-term increase in nitrogen supply alters above- and below-ground ectomycorrhizal communities and increases the dominance of <i>Russula</i> spp. in a temperate oak savanna. <i>New Phytologist</i> , 2003, 160, 239-253.	3.5	216
131	Nitrogen/phosphorus leaf stoichiometry and the scaling of plant growth. <i>Ecology Letters</i> , 2005, 8, 636-642.	3.0	215
132	Acclimation of respiration to temperature and CO ₂ in seedlings of boreal tree species in relation to plant size and relative growth rate. <i>Global Change Biology</i> , 1999, 5, 679-691.	4.2	214
133	Thermal limits of leaf metabolism across biomes. <i>Global Change Biology</i> , 2017, 23, 209-223.	4.2	213
134	Boreal and temperate trees show strong acclimation of respiration to warming. <i>Nature</i> , 2016, 531, 633-636.	13.7	212
135	Unexpected reversal of C ₃ versus C ₄ grass response to elevated CO ₂ during a 20-year field experiment. <i>Science</i> , 2018, 360, 317-320.	6.0	212
136	Climate warming will reduce growth and survival of Scots pine except in the far north. <i>Ecology Letters</i> , 2008, 11, 588-597.	3.0	210
137	PREDICTING LEAF PHYSIOLOGY FROM SIMPLE PLANT AND CLIMATE ATTRIBUTES: A GLOBAL GLOPNET ANALYSIS. <i>Ecological Applications</i> , 2007, 17, 1982-1988.	1.8	207
138	FIRE AND VEGETATION EFFECTS ON PRODUCTIVITY AND NITROGEN CYCLING ACROSS A FOREST-GRASSLAND CONTINUUM. <i>Ecology</i> , 2001, 82, 1703-1719.	1.5	206
139	Effects of European Earthworm Invasion on Soil Characteristics in Northern Hardwood Forests of Minnesota, USA. <i>Ecosystems</i> , 2005, 8, 911-927.	1.6	206
140	Interactive effects of nitrogen deposition, tropospheric ozone, elevated CO ₂ and land use history on the carbon dynamics of northern hardwood forests. <i>Global Change Biology</i> , 2002, 8, 545-562.	4.2	205
141	Plant diversity effects on soil food webs are stronger than those of elevated CO ₂ and N deposition in a long-term grassland experiment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6889-6894.	3.3	204
142	Contributions of a global network of tree diversity experiments to sustainable forest plantations. <i>Ambio</i> , 2016, 45, 29-41.	2.8	203
143	Decade-long soil nitrogen constraint on the CO ₂ fertilization of plant biomass. <i>Nature Climate Change</i> , 2013, 3, 278-282.	8.1	202
144	Effects of Low Concentrations of O ₃ on Net Photosynthesis, Dark Respiration, and Chlorophyll Contents in Aging Hybrid Poplar Leaves. <i>Plant Physiology</i> , 1983, 73, 291-296.	2.3	201

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145	CHANGES IN HARDWOOD FOREST UNDERSTORY PLANT COMMUNITIES IN RESPONSE TO EUROPEAN EARTHWORM INVASIONS. <i>Ecology</i> , 2006, 87, 1637-1649.	1.5	201
146	Global-scale latitudinal patterns of plant fine-root nitrogen and phosphorus. <i>Nature Communications</i> , 2011, 2, 344.	5.8	201
147	Ecophysiology of exotic and native shrubs in Southern Wisconsin. <i>Oecologia</i> , 1989, 80, 356-367.	0.9	198
148	Convergence in the temperature response of leaf respiration across biomes and plant functional types. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3832-3837.	3.3	198
149	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
150	Tree Species Effects on Soil Organic Matter Dynamics: The Role of Soil Cation Composition. <i>Ecosystems</i> , 2007, 10, 999-1018.	1.6	193
151	Why are evergreen leaves so contrary about shade?. <i>Trends in Ecology and Evolution</i> , 2008, 23, 299-303.	4.2	193
152	Changes in leaf nitrogen and carbohydrates underlie temperature and CO ₂ acclimation of dark respiration in five boreal tree species. <i>Plant, Cell and Environment</i> , 1999, 22, 767-778.	2.8	192
153	Leaf Carbon and Nutrient Assimilation and Conservation in Species of Differing Successional Status in an Oligotrophic Amazonian Forest. <i>Functional Ecology</i> , 1995, 9, 65.	1.7	187
154	Hydraulic trade-offs and space filling enable better predictions of vascular structure and function in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22722-22727.	3.3	186
155	Lack of functional redundancy in the relationship between microbial diversity and ecosystem functioning. <i>Journal of Ecology</i> , 2016, 104, 936-946.	1.9	185
156	Photosynthesis-nitrogen relations in Amazonian tree species. <i>Oecologia</i> , 1994, 97, 73-81.	0.9	184
157	Mechanisms responsible for the positive diversity-productivity relationship in Minnesota grasslands. <i>Ecology Letters</i> , 2004, 7, 661-668.	3.0	184
158	Tree species effects on coupled cycles of carbon, nitrogen, and acidity in mineral soils at a common garden experiment. <i>Biogeochemistry</i> , 2012, 111, 601-614.	1.7	184
159	The scaling of leaf area and mass: the cost of light interception increases with leaf size. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2109-2115.	1.2	183
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308	Photosynthetic responses of 13 grassland species across 11 years of free-air CO ₂ enrichment is modest, consistent and independent of N supply. <i>Global Change Biology</i> , 2011, 17, 2893-2904.	4.2	87
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314	Elevated CO ₂ stimulates grassland soil respiration by increasing carbon inputs rather than by enhancing soil moisture. <i>Global Change Biology</i> , 2011, 17, 3546-3563.	4.2	85
315	Climate and soils together regulate photosynthetic carbon isotope discrimination within C ₃ plants worldwide. <i>Global Ecology and Biogeography</i> , 2018, 27, 1056-1067.	2.7	85
316	Biodiversity promotes ecosystem functioning despite environmental change. <i>Ecology Letters</i> , 2022, 25, 555-569.	3.0	85
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318	Restoring Savanna Using Fire: Impact on the Breeding Bird Community. <i>Restoration Ecology</i> , 2000, 8, 30-40.	1.4	84
319	Conservation implications of browsing by <i>Odocoileus virginianus</i> in remnant upland <i>Thuja occidentalis</i> forests. <i>Biological Conservation</i> , 2000, 93, 359-369.	1.9	84
320	REGIONAL EXTENT OF AN ECOSYSTEM ENGINEER: EARTHWORM INVASION IN NORTHERN HARDWOOD FORESTS. <i>Ecological Applications</i> , 2007, 17, 1666-1677.	1.8	84
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322	Strong thermal acclimation of photosynthesis in tropical and temperate wet-forest tree species: the importance of altered Rubisco content. <i>Global Change Biology</i> , 2017, 23, 2783-2800.	4.2	84
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324	Shared ectomycorrhizal fungi between a herbaceous perennial (<i>Helianthemum bicknellii</i>) and oak (<i>Quercus</i>)	3.5	83

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326	Does physiological acclimation to climate warming stabilize the ratio of canopy respiration to photosynthesis?. <i>New Phytologist</i> , 2016, 211, 850-863.	3.5	82
327	Leaf-level light compensation points in shade-tolerant woody seedlings. <i>New Phytologist</i> , 2005, 166, 710-713.	3.5	81
328	Effects of O ₃ and acidic rain on photosynthesis and growth in sugar maple and northern red oak seedlings. <i>Environmental Pollution Series A, Ecological and Biological</i> , 1986, 40, 1-15.	0.8	80
329	Response of <i>Ulmus americana</i> seedlings to varying nitrogen and water status. 1 <i>Photosynthesis and growth. Tree Physiology</i> , 1989, 5, 159-172.	1.4	80
330	Exotic earthworm effects on hardwood forest floor, nutrient availability and native plants: a mesocosm study. <i>Oecologia</i> , 2008, 155, 509-518.	0.9	80
331	The effect of experimental warming and precipitation change on proteolytic enzyme activity: positive feedbacks to nitrogen availability are not universal. <i>Global Change Biology</i> , 2012, 18, 2617-2625.	4.2	80
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340	Biodiversity-productivity relationships are key to nature-based climate solutions. <i>Nature Climate Change</i> , 2021, 11, 543-550.	8.1	77
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342	Ecophysiology of exotic and native shrubs in Southern Wisconsin. <i>Oecologia</i> , 1989, 80, 368-373.	0.9	75

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344	Warming alters energetic structure and function but not resilience of soil food webs. <i>Nature Climate Change</i> , 2017, 7, 895-900.	8.1	75
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468	Loss of Stomatal Function in Ageing Hybrid Poplar Leaves. <i>Annals of Botany</i> , 1984, 53, 691-698.	1.4	43

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470	Taking stock of forest carbon. <i>Nature Climate Change</i> , 2011, 1, 346-347.	8.1	43
471	Leaf Litter Disappearance in Earthworm-Invaded Northern Hardwood Forests: Role of Tree Species and the Chemistry and Diversity of Litter. <i>Ecosystems</i> , 2012, 15, 913-926.	1.6	43
472	Biodiversity, Nitrogen Deposition, and CO ₂ Affect Grassland Soil Carbon Cycling but not Storage. <i>Ecosystems</i> , 2012, 15, 580-590.	1.6	43
473	Contrasting leaf trait scaling relationships in tropical and temperate wet forest species. <i>Functional Ecology</i> , 2013, 27, 522-534.	1.7	43
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475	Tree communities rapidly alter soil microbial resistance and resilience to drought. <i>Functional Ecology</i> , 2015, 29, 570-578.	1.7	43
476	Measurement of leaf longevity of 14 species of grasses and forbs using a novel approach. <i>New Phytologist</i> , 1999, 142, 475-481.	3.5	42
477	Biogeographic bases for a shift in crop C:N:P stoichiometries during domestication. <i>Ecology Letters</i> , 2016, 19, 564-575.	3.0	42
478	Rising Temperature May Trigger Deep Soil Carbon Loss Across Forest Ecosystems. <i>Advanced Science</i> , 2020, 7, 2001242.	5.6	42
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480	Response of Soybean to Low Concentrations of Ozone: II. Effects on Growth, Biomass Allocation, and Flowering. <i>Journal of Environmental Quality</i> , 1986, 15, 161-167.	1.0	41
481	Effects of ozone and acid rain on white pine (<i>Pinus strobus</i>) seedlings grown in five soils. III. Nutrient relations. <i>Canadian Journal of Botany</i> , 1988, 66, 1517-1531.	1.2	41
482	Coppicing affects growth, root:shoot relations and ecophysiology of potted <i>Quercus rubra</i> seedlings. <i>Physiologia Plantarum</i> , 1993, 89, 751-760.	2.6	41
483	Tree Patches Show Greater N Losses but Maintain Higher Soil N Availability than Grassland Patches in a Frequently Burned Oak Savanna. <i>Ecosystems</i> , 2006, 9, 441-452.	1.6	41
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485	Modest enhancement of nitrogen conservation via retranslocation in response to gradients in N supply and leaf N status. <i>Plant and Soil</i> , 2009, 316, 193-204.	1.8	41
486	Effects of density and ontogeny on size and growth ranks of three competing tree species. <i>Journal of Ecology</i> , 2009, 97, 277-288.	1.9	41

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488	Leaf size of woody dicots predicts ecosystem primary productivity. <i>Ecology Letters</i> , 2020, 23, 1003-1013.	3.0	41
489	Decadal changes in fire frequencies shift tree communities and functional traits. <i>Nature Ecology and Evolution</i> , 2021, 5, 504-512.	3.4	41
490	Response Mechanisms of Conifers to Air Pollutants. , 1995, , 255-308.		40
491	Multiple scale composition and spatial distribution patterns of the north-eastern Minnesota presettlement forest. <i>Journal of Ecology</i> , 2001, 89, 538-554.	1.9	40
492	Light response in seedlings of a temperate (<i>Quercus petraea</i>) and a sub-Mediterranean species (<i>Quercus pyrenaica</i>): contrasting ecological strategies as potential keys to regeneration performance in mixed marginal populations. <i>Plant Ecology</i> , 2008, 195, 273-285.	0.7	40
493	Incorporating temperature-sensitive Q_{10} and foliar respiration acclimation algorithms modifies modeled ecosystem responses to global change. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 77-90.	1.3	40
494	Aridity Decouples C:N:P Stoichiometry Across Multiple Trophic Levels in Terrestrial Ecosystems. <i>Ecosystems</i> , 2018, 21, 459-468.	1.6	40
495	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. <i>Ecology</i> , 2020, 101, e02905.	1.5	40
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497	Afforestation can lower microbial diversity and functionality in deep soil layers in a semiarid region. <i>Global Change Biology</i> , 2022, 28, 6086-6101.	4.2	40
498	Leaf-level resource use for evergreen and deciduous conifers along a resource availability gradient. <i>Functional Ecology</i> , 2000, 14, 281-292.	1.7	39
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500	Soil modification by different tree species influences the extent of seedling ectomycorrhizal infection. <i>Mycorrhiza</i> , 2006, 16, 73-79.	1.3	39
501	Tertiary remnants and Holocene colonizers: Genetic structure and phylogeography of Scots pine reveal higher genetic diversity in young boreal than in relict Mediterranean populations and a dual colonization of Fennoscandia. <i>Diversity and Distributions</i> , 2017, 23, 540-555.	1.9	39
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503	Water Relations: Soil Fertility, and Plant Nutrient Composition of a Pygmy Oak Ecosystem. <i>Ecology</i> , 1980, 61, 400-416.	1.5	38
504	Dark respiration rate increases with plant size in saplings of three temperate tree species despite decreasing tissue nitrogen and nonstructural carbohydrates. <i>Tree Physiology</i> , 2006, 26, 915-923.	1.4	38

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506	Biogeographic differences in shoot elongation pattern among European Scots pine populations. <i>Forest Ecology and Management</i> , 2001, 148, 207-220.	1.4	37
507	Strong ecological but weak evolutionary effects of elevated CO ₂ on a recombinant inbred population of <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2007, 175, 351-362.	3.5	37
508	Ontogenetic shift in the scaling of dark respiration with whole-plant mass in seven shrub species. <i>Functional Ecology</i> , 2010, 24, 502-512.	1.7	37
509	Community phylogenetic diversity and abiotic site characteristics influence abundance of the invasive plant <i>Rhamnus cathartica</i> L.. <i>Journal of Plant Ecology</i> , 2014, 7, 202-209.	1.2	37
510	The imprint of plants on ecosystem functioning: A data-driven approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 43, 119-131.	1.4	37
511	Allometry of fine roots in forest ecosystems. <i>Ecology Letters</i> , 2019, 22, 322-331.	3.0	37
512	Low phosphorus supply constrains plant responses to elevated CO ₂ : A meta-analysis. <i>Global Change Biology</i> , 2020, 26, 5856-5873.	4.2	37
513	Canopy type, forest floor, predation, and competition influence conifer seedling emergence and early survival in two Minnesota conifer-deciduous forests. <i>Canadian Journal of Forest Research</i> , 1998, 28, 196-205.	0.8	36
514	Elevated [CO ₂] and increased N supply reduce leaf disease and related photosynthetic impacts on <i>Solidago rigida</i> . <i>Oecologia</i> , 2006, 149, 519-525.	0.9	36
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516	Fame, glory and neglect in meta-analyses. <i>Trends in Ecology and Evolution</i> , 2011, 26, 493-494.	4.2	36
517	Variation in leaf and twig CO ₂ flux as a function of plant size: a comparison of seedlings, saplings and trees. <i>Tree Physiology</i> , 2013, 33, 713-729.	1.4	36
518	Shifting Impacts of Climate Change. <i>Advances in Ecological Research</i> , 2016, 55, 437-473.	1.4	36
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520	Growing season temperature and precipitation are independent drivers of global variation in xylem hydraulic conductivity. <i>Global Change Biology</i> , 2020, 26, 1833-1841.	4.2	36
521	LEAF STOMATAL DENSITY AND DIFFUSIVE CONDUCTANCE IN THREE AMPHISTOMATOUS HYBRID POPLAR CULTIVARS. <i>New Phytologist</i> , 1984, 98, 231-239.	3.5	35
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524	The scaling of fine root nitrogen versus phosphorus in terrestrial plants: A global synthesis. <i>Functional Ecology</i> , 2019, 33, 2081-2094.	1.7	35
525	Elevated CO ₂ and nitrogen supply alter leaf longevity of grassland species. <i>New Phytologist</i> , 2001, 150, 397-403.	3.5	34
526	Climate modifies response of non-native and native species richness to nutrient enrichment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150273.	1.8	34
527	Effect of Simulated Climate Warming on the Ectomycorrhizal Fungal Community of Boreal and Temperate Host Species Growing Near Their Shared Ecotonal Range Limits. <i>Microbial Ecology</i> , 2018, 75, 348-363.	1.4	34
528	The partitioning of gross primary production for young <i>Eucalyptus tereticornis</i> trees under experimental warming and altered water availability. <i>New Phytologist</i> , 2019, 222, 1298-1312.	3.5	34
529	Stimulation of soil respiration by elevated CO ₂ is enhanced under nitrogen limitation in a decade-long grassland study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33317-33324.	3.3	34
530	Responses of hardwood regeneration to fire in mesic forest openings. II. Leaf gas exchange, nitrogen concentration, and water status. <i>Canadian Journal of Forest Research</i> , 1997, 27, 1832-1840.	0.8	33
531	Productivity of Evergreen and Deciduous Temperate Forests. , 2001, , 245-283.		33
532	Do vegetation boundaries display smooth or abrupt spatial transitions along environmental gradients? Evidence from the prairie-forest biome boundary of historic <i>Minnesota</i> , <i>USA</i> . <i>Journal of Vegetation Science</i> , 2013, 24, 1129-1140.	1.1	33
533	Invasive earthworms interact with abiotic conditions to influence the invasion of common buckthorn (<i>Rhamnus cathartica</i>). <i>Oecologia</i> , 2015, 178, 219-230.	0.9	33
534	Adaptation to elevated CO ₂ in different biodiversity contexts. <i>Nature Communications</i> , 2016, 7, 12358.	5.8	33
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536	Remote spectral detection of biodiversity effects on forest biomass. <i>Nature Ecology and Evolution</i> , 2021, 5, 46-54.	3.4	33
537	Coppicing alters ecophysiology of <i>Quercus rubra</i> saplings in Wisconsin forest openings. <i>Physiologia Plantarum</i> , 1993, 89, 741-750.	2.6	32
538	Light environment alters response to ozone stress in seedlings of <i>Acer saccharum</i> Marsh, and hybrid <i>Populus L.</i> . <i>New Phytologist</i> , 1993, 124, 647-651.	3.5	32
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540	The effects of eastern red cedar (<i>Juniperus virginiana</i>) invasion and removal on a dry bluff prairie ecosystem. <i>Biological Invasions</i> , 2010, 12, 241-252.	1.2	32

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543	Strong photosynthetic acclimation and enhanced water-use efficiency in grassland functional groups persist over 21 years of CO ₂ enrichment, independent of nitrogen supply. <i>Global Change Biology</i> , 2019, 25, 3031-3044.	4.2	32
544	Vegetation controls vary across space and spatial scale in a historic grassland-forest biome boundary. <i>Ecography</i> , 2011, 34, 402-414.	2.1	31
545	Indirect effects drive evolutionary responses to global change. <i>New Phytologist</i> , 2014, 201, 335-343.	3.5	31
546	Responses of two understory herbs, <i>Maianthemum canadense</i> and <i>Eurybia macrophylla</i> , to experimental forest warming: Early emergence is the key to enhanced reproductive output. <i>American Journal of Botany</i> , 2015, 102, 1610-1624.	0.8	31
547	Climate and competition affect growth and survival of transplanted sugar maple seedlings along a 1700 m gradient. <i>Ecological Monographs</i> , 2017, 87, 130-157.	2.4	31
548	Diversity-dependent soil acidification under nitrogen enrichment constrains biomass productivity. <i>Global Change Biology</i> , 2020, 26, 6594-6603.	4.2	31
549	Soil enzymes as indicators of soil function: A step toward greater realism in microbial ecological modeling. <i>Global Change Biology</i> , 2022, 28, 1935-1950.	4.2	31
550	Responses of hardwood regeneration to fire in mesic forest openings. III. Whole-plant growth, biomass distribution, and nitrogen and carbohydrate relations. <i>Canadian Journal of Forest Research</i> , 1997, 27, 1841-1850.	0.8	30
551	Wilderness Conservation in an Era of Global Warming and Invasive Species: A Case Study from Minnesota's Boundary Waters Canoe Area Wilderness. <i>Natural Areas Journal</i> , 2009, 29, 385-393.	0.2	30
552	Fine-scale heterogeneity in overstory composition contributes to heterogeneity of wildfire severity in southern boreal forest. <i>Journal of Forest Research</i> , 2011, 16, 203-214.	0.7	30
553	Nitrogen cycling, forest canopy reflectance, and emergent properties of ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2437.	3.3	30
554	Partitioning the effect of composition and diversity of tree communities on leaf litter decomposition and soil respiration. <i>Oikos</i> , 2017, 126, 959-971.	1.2	30
555	Reduction in growth of hybrid poplar following field exposure to low levels of O ₃ and (or) SO ₂ . <i>Canadian Journal of Botany</i> , 1984, 62, 2835-2841.	1.2	29
556	Altered root growth and plant chemistry of <i>Pinus sylvestris</i> seedlings subjected to aluminum in nutrient solution. <i>Trees - Structure and Function</i> , 1996, 10, 135-144.	0.9	29
557	Local ecotypic and species range-related adaptation influence photosynthetic temperature optima in deciduous broadleaved trees. <i>Plant Ecology</i> , 2012, 213, 113-125.	0.7	29
558	Potential and limitations of inferring ecosystem photosynthetic capacity from leaf functional traits. <i>Ecology and Evolution</i> , 2016, 6, 7352-7366.	0.8	29

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560	Low level O ₃ and/or SO ₂ exposure causes a linear decline in soybean yield. <i>Environmental Pollution Series A, Ecological and Biological</i> , 1984, 34, 345-355.	0.8	28
561	SOME PHYSIOLOGICAL RESPONSES OF THEOBROMA CACAO VAR. CATONGO SEEDLINGS TO AIR HUMIDITY. <i>New Phytologist</i> , 1987, 107, 591-602.	3.5	28
562	DIRECT AND INDIRECT EFFECTS OF CO ₂ , NITROGEN, AND COMMUNITY DIVERSITY ON PLANT-ENEMY INTERACTIONS. <i>Ecology</i> , 2008, 89, 226-236.	1.5	28
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564	A traits-based test of the home-field advantage in mixed-species tree litter decomposition. <i>Annals of Botany</i> , 2015, 116, 781-788.	1.4	28
565	LONG-TERM EFFECTS OF DEFOLIATION ON RED PINE SUITABILITY TO INSECTS FEEDING ON DIVERSE PLANT TISSUES. <i>Ecology</i> , 1998, 79, 2352-2364.	1.5	27
566	Comparing the Importance of Seedbed and Canopy Type in the Restoration of Upland <i>Thuja occidentalis</i> Forests of Northeastern Minnesota. <i>Restoration Ecology</i> , 2001, 9, 386-396.	1.4	27
567	Reviews and syntheses: Field data to benchmark the carbon cycle models for tropical forests. <i>Biogeosciences</i> , 2017, 14, 4663-4690.	1.3	27
568	Determinants of community compositional change are equally affected by global change. <i>Ecology Letters</i> , 2021, 24, 1892-1904.	3.0	27
569	Diversity-dependent plant-soil feedbacks underlie long-term plant diversity effects on primary productivity. <i>Ecosphere</i> , 2019, 10, e02704.	1.0	26
570	Surprising lack of sensitivity of biochemical limitation of photosynthesis of nine tree species to open-air experimental warming and reduced rainfall in a southern boreal forest. <i>Global Change Biology</i> , 2020, 26, 746-759.	4.2	26
571	Variation in aboveground net primary production of diverse European <i>Pinus sylvestris</i> populations. <i>Trees - Structure and Function</i> , 2000, 14, 415-421.	0.9	25
572	European larch and eastern white pine respond similarly during three years of partial defoliation. <i>Tree Physiology</i> , 2000, 20, 283-287.	1.4	25
573	Grassland species effects on soil CO ₂ flux track the effects of elevated CO ₂ and nitrogen. <i>New Phytologist</i> , 2001, 150, 425-434.	3.5	25
574	Title is missing!. <i>Plant and Soil</i> , 2003, 250, 39-47.	1.8	25
575	The resource economics of chemical and structural defenses across nitrogen supply gradients. <i>Oecologia</i> , 2003, 137, 547-556.	0.9	25
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578	Limited potential for terrestrial carbon sequestration to offset fossil fuel emissions in the upper midwestern US. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 409-413.	1.9	25
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580	Ambient changes exceed treatment effects on plant species abundance in global change experiments. <i>Global Change Biology</i> , 2018, 24, 5668-5679.	4.2	25
581	Experimental warming advances phenology of groundlayer plants at the boreal-temperate forest ecotone. <i>American Journal of Botany</i> , 2018, 105, 851-861.	0.8	25
582	Sensitivity of grassland carbon pools to plant diversity, elevated CO ₂ , and soil nitrogen addition over 19 years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
583	Do tall trees scale physiological heights?. <i>Trends in Ecology and Evolution</i> , 2000, 15, 41-42.	4.2	24
584	Below-ground resources limit seedling growth in forest understories but do not alter biomass distribution. <i>Annals of Forest Science</i> , 2003, 60, 319-330.	0.8	24
585	Reducing Greenhouse Gas Emissions for Climate Stabilization: Framing Regional Options. <i>Environmental Science & Technology</i> , 2009, 43, 1696-1703.	4.6	24
586	CO ₂ , nitrogen, and diversity differentially affect seed production of prairie plants. <i>Ecology</i> , 2009, 90, 1810-1820.	1.5	24
587	Disentangling species and functional group richness effects on soil N cycling in a grassland ecosystem. <i>Global Change Biology</i> , 2017, 23, 4717-4727.	4.2	24
588	Shrub type dominates the vertical distribution of leaf C:N:P stoichiometry across an extensive altitudinal gradient. <i>Biogeosciences</i> , 2018, 15, 2033-2053.	1.3	24
589	Enhanced light interception and light use efficiency explain overyielding in young tree communities. <i>Ecology Letters</i> , 2021, 24, 996-1006.	3.0	24
590	Interaction of elevated CO ₂ and O ₃ on growth, photosynthesis and respiration of three perennial species grown in low and high nitrogen. <i>Physiologia Plantarum</i> , 1996, 97, 674-684.	2.6	24
591	Pollution, Habitat Destruction, and Biodiversity in Poland. <i>Conservation Biology</i> , 1994, 8, 943-960.	2.4	23
592	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1999, 110, 195-212.	1.1	23
593	Predicting leaf area index from scaling principles: corroboration and consequences. <i>Tree Physiology</i> , 2003, 23, 1171-1179.	1.4	23
594	Peeking beneath the hood of the leaf economics spectrum. <i>New Phytologist</i> , 2017, 214, 1395-1397.	3.5	23

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596	Frequent burning causes large losses of carbon from deep soil layers in a temperate savanna. <i>Journal of Ecology</i> , 2020, 108, 1426-1441.	1.9	23
597	<i>Ecophysiology and Insect Herbivory.</i> , 1995, , 125-180.		23
598	Fungal Diversity of Norway Spruce Litter: Effects of Site Conditions and Premature Leaf Fall Caused By Bark Beetle Outbreak. <i>Microbial Ecology</i> , 2008, 56, 332-340.	1.4	22
599	What controls the concentration of various aliphatic lipids in soil?. <i>Soil Biology and Biochemistry</i> , 2013, 63, 14-17.	4.2	22
600	Neighborhood diversity simultaneously increased and decreased susceptibility to contrasting herbivores in an early stage forest diversity experiment. <i>Journal of Ecology</i> , 2019, 107, 1492-1505.	1.9	22
601	The differential sensitivity of red pine and quaking aspen to competition. <i>Canadian Journal of Forest Research</i> , 1995, 25, 1731-1737.	0.8	21
602	Comparing indices of understory light availability between hemlock and hardwood forest patches. <i>Canadian Journal of Forest Research</i> , 2009, 39, 1949-1957.	0.8	21
603	Legumes regulate grassland soil N cycling and its response to variation in species diversity and N supply but not CO ₂ . <i>Global Change Biology</i> , 2019, 25, 2396-2409.	4.2	21
604	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , 2020, 29, 281-294.	2.7	21
605	Herbivore and pathogen damage on grassland and woodland plants: a test of the herbivore uncertainty principle. <i>Ecology Letters</i> , 2002, 5, 531-539.	3.0	20
606	Habitat preference, growth form, vegetative dispersal and population size of lichens along a wildfire severity gradient. <i>Bryologist</i> , 2006, 109, 527-540.	0.1	20
607	Elevated atmospheric CO ₂ : a nurse plant substitute for oak seedlings establishing in old fields. <i>Global Change Biology</i> , 2007, 13, 2308-2316.	4.2	20
608	Biomass growth response to spatial pattern of variable-retention harvesting in a northern Minnesota pine ecosystem. , 2014, 24, 2078-2088.		20
609	Warming shifts "warming": effects of experimental warming on invasive earthworms in northern North America. <i>Scientific Reports</i> , 2014, 4, 6890.	1.6	20
610	Microbial functional genes commonly respond to elevated carbon dioxide. <i>Environment International</i> , 2020, 144, 106068.	4.8	20
611	Antagonistic effects of species on C respiration and net N mineralization in soils from mixed coniferous plantations. <i>Forest Ecology and Management</i> , 2009, 257, 1112-1118.	1.4	19
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614	Does root respiration in Australian rainforest tree seedlings acclimate to experimental warming?. <i>Tree Physiology</i> , 2020, 40, 1192-1204.	1.4	19
615	Seven Ways a Warming Climate Can Kill the Southern Boreal Forest. <i>Forests</i> , 2021, 12, 560.	0.9	19
616	Needle CO ₂ . <i>Trees - Structure and Function</i> , 1997, 12, 82.	0.9	19
617	No complementarity no gain? Net diversity effects on tree productivity occur once complementarity emerges during early stand development. <i>Ecology Letters</i> , 2022, 25, 851-862.	3.0	19
618	Altered root growth and plant chemistry of <i>Pinus sylvestris</i> seedlings subjected to aluminum in nutrient solution. <i>Trees - Structure and Function</i> , 1996, 10, 135-144.	0.9	19
619	New cohort growth and survival in variable retention harvests of a pine ecosystem in Minnesota, USA. <i>Forest Ecology and Management</i> , 2013, 310, 327-335.	1.4	18
620	Trade-offs in juvenile growth potential vs. shade tolerance among subtropical rain forest trees on soils of contrasting fertility. <i>Functional Ecology</i> , 2016, 30, 845-855.	1.7	18
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