Jeannine M Cavender-Bares

List of Publications by Year
in descending order

184 papers	25,571 citations	15466 65 h-index	7496 151 g-index
204 all docs	204 docs citations	204 times ranked	24166 citing authors

#	Article	IF	Citations
1	The worldwide leaf economics spectrum. Nature, 2004, 428, 821-827.	13.7	6,489
2	TRY â€“ a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	4.2	2,002
3	The merging of community ecology and phylogenetic biology. Ecology Letters, 2009, 12, 693-715.	3.0	1,795
4	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
5	Phylogenetic Overdispersion in Floridian Oak Communities. American Naturalist, 2004, 163, 823-843.	1.0	738
6	Using Phylogenetic, Functional and Trait Diversity to Understand Patterns of Plant Community Productivity. PLoS ONE, 2009, 4, e5695.	1.1	558
7	Revisiting the <scp>H</scp>oly <scp>G</scp>rail: using plant functional traits to understand ecological processes. Biological Reviews, 2017, 92, 1156-1173.	4.7	557
8	Phylogeographyâ€™s past, present, and future: 10 years after Avise, 2000. Molecular Phylogenetics and Evolution, 2010, 54, 291-301.	1.2	535
9	PHYLOGENETIC STRUCTURE OF FLORIDIAN PLANT COMMUNITIES DEPENDS ON TAXONOMIC AND SPATIAL SCALE. Ecology, 2006, 87, S109-S122.	1.5	460
10	Ecological homogenization of urban USA. Frontiers in Ecology and the Environment, 2014, 12, 74-81.	1.9	343
11	Which is a better predictor of plant traits: temperature or precipitation?. Journal of Vegetation Science, 2014, 25, 1167-1180.	1.1	323
12	Changes in drought response strategies with ontogeny in Quercus rubra: implications for scaling from seedlings to mature trees. Oecologia, 2000, 124, 8-18.	0.9	298
13	Spatial complementarity in tree crowns explains overyielding in species mixtures. Nature Ecology and Evolution, 2017, 1, 63.	3.4	285
14	The evolution of seed dormancy: environmental cues, evolutionary hubs, and diversification of the seed plants. New Phytologist, 2014, 203, 300-309.	3.5	281
15	MULTIPLE TRAIT ASSOCIATIONS IN RELATION TO HABITAT DIFFERENTIATION AMONG 17 FLORIDIAN OAK SPECIES. Ecological Monographs, 2004, 74, 635-662.	2.4	258
16	Set ambitious goals for biodiversity and sustainability. Science, 2020, 370, 411-413.	6.0	225
17	Monitoring plant functional diversity from space. Nature Plants, 2016, 2, 16024.	4.7	221
18	Sympatric parallel diversification of major oak clades in the Americas and the origins of Mexican species diversity. New Phytologist, 2018, 217, 439-452.	3.5	216

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19	A Framework Phylogeny of the American Oak Clade Based on Sequenced RAD Data. PLoS ONE, 2014, 9, e93975.	1.1	215
20	Why are evergreen leaves so contrary about shade?. Trends in Ecology and Evolution, 2008, 23, 299-303.	4.2	193
21	Historical introgression among the American live oaks and the comparative nature of tests for introgression. Evolution; International Journal of Organic Evolution, 2015, 69, 2587-2601.	1.1	193
22	Genomic landscape of the global oak phylogeny. New Phytologist, 2020, 226, 1198-1212.	3.5	186
23	Plant spectral diversity integrates functional and phylogenetic components of biodiversity and predicts ecosystem function. Nature Ecology and Evolution, 2018, 2, 976-982.	3.4	185
24	Invasions: the trail behind, the path ahead, and a test of a disturbing idea. Journal of Ecology, 2012, 100, 116-127.	1.9	180
25	Diversification, adaptation, and community assembly of the American oaks (Quercus), a model clade for integrating ecology and evolution. New Phytologist, 2019, 221, 669-692.	3.5	168
26	Phylogeny and biogeography of the American live oaks (Quercus subsection Virentes): a genomic and population genetics approach. Molecular Ecology, 2015, 24, 3668-3687.	2.0	165
27	Assessing the homogenization of urban land management with an application to US residential lawn care. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4432-4437.	3.3	164
28	pez: phylogenetics for the environmental sciences. Bioinformatics, 2015, 31, 2888-2890.	1.8	146
29	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. Remote Sensing of Environment, 2020, 239, 111626.	4.6	142
30	Hydraulic properties and freezing-induced cavitation in sympatric evergreen and deciduous oaks with contrasting habitats. Plant, Cell and Environment, 2001, 24, 1243-1256.	2.8	134
31	Associations of Leaf Spectra with Genetic and Phylogenetic Variation in Oaks: Prospects for Remote Detection of Biodiversity. Remote Sensing, 2016, 8, 221.	1.8	132
32	For the sake of resilience and multifunctionality, let's diversify planted forests!. Conservation Letters, 2022, 15, e12829.	2.8	124
33	A sustainability framework for assessing trade-offs in ecosystem services. Ecology and Society, 2015, 20, .	1.0	121
34	Phylogenetic and functional characteristics of household yard floras and their changes along an urbanization gradient. Ecology, 2012, 93, S83.	1.5	115
35	Trade-offs in ecosystem services and varying stakeholder preferences: evaluating conflicts, obstacles, and opportunities. Ecology and Society, 2015, 20, .	1.0	114
36	Synthesis and future research directions linking tree diversity to growth, survival, and damage in a global network of tree diversity experiments. Environmental and Experimental Botany, 2018, 152, 68-89.	2.0	113

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37	Global biogeography of seed dormancy is determined by seasonality and seed size: a case study in the legumes. New Phytologist, 2017, 214, 1527-1536.	3.5	112
38	Foliar functional traits from imaging spectroscopy across biomes in eastern North America. New Phytologist, 2020, 228, 494-511.	3.5	109
39	Phylogeography and climatic niche evolution in live oaks (Quercus series Virentes) from the tropics to the temperate zone. Journal of Biogeography, 2011, 38, 962-981.	1.4	107
40	Summer and winter sensitivity of leaves and xylem to minimum freezing temperatures: a comparison of coâ€•occurring Mediterranean oaks that differ in leaf lifespan. New Phytologist, 2005, 168, 597-612.	3.5	105
41	The spatial sensitivity of the spectral diversityâ€“biodiversity relationship: an experimental test in a prairie grassland. Ecological Applications, 2018, 28, 541-556.	1.8	105
42	Evidence for a freezing toleranceâ€“growth rate tradeâ€•off in the live oaks (Quercus series) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.5	103
43	Traits linked with species invasiveness and community invasibility vary with time, stage and indicator of invasion in a longâ€•term grassland experiment. Ecology Letters, 2019, 22, 593-604.	3.0	103
44	Shocks to the system: community assembly of the oak savanna in a 40â€•year fire frequency experiment. Ecology, 2012, 93, S52.	1.5	100
45	The growth respiration component in eddy CO2 flux from a Quercus ilex mediterranean forest. Global Change Biology, 2004, 10, 1460-1469.	4.2	99
46	Molecular, morphological, and ecological niche differentiation of sympatric sister oak species, Quercus virginiana and Q. geminata (Fagaceae). American Journal of Botany, 2009, 96, 1690-1702.	0.8	97
47	Atmospheric and soil drought reduce nocturnal conductance in live oaks. Tree Physiology, 2007, 27, 611-620.	1.4	96
48	Ectomycorrhizal fungal diversity and saprotrophic fungal diversity are linked to different tree community attributes in a fieldâ€•based tree experiment. Molecular Ecology, 2016, 25, 4032-4046.	2.0	95
49	Inclusion of ecologically based trait variation in plant functional types reduces the projected land carbon sink in an earth system model. Global Change Biology, 2015, 21, 3074-3086.	4.2	94
50	Ecosystem services in managing residential landscapes: priorities, value dimensions, and cross-regional patterns. Urban Ecosystems, 2016, 19, 95-113.	1.1	93
51	The results of biodiversityâ€“ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494.	3.4	93
52	Harnessing plant spectra to integrate the biodiversity sciences across biological and spatial scales. American Journal of Botany, 2017, 104, 966-969.	0.8	92
53	Resource availability underlies the plantâ€fungal diversity relationship in a grassland ecosystem. Ecology, 2018, 99, 204-216.	1.5	91
54	A million and more trees for science. Nature Ecology and Evolution, 2018, 2, 763-766.	3.4	90

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55	Mapping foliar functional traits and their uncertainties across three years in a grassland experiment. Remote Sensing of Environment, 2019, 221, 405-416.	4.6	89
56	Remote sensing of biodiversity: Soil correction and data dimension reduction methods improve assessment of Ì±-diversity (species richness) in prairie ecosystems. Remote Sensing of Environment, 2018, 206, 240-253.	4.6	84
57	Integrating remote sensing with ecology and evolution to advance biodiversity conservation. Nature Ecology and Evolution, 2022, 6, 506-519.	3.4	84
58	Phylogeography of Douglas-fir based on mitochondrial and chloroplast DNA sequences: testing hypotheses from the fossil record. Molecular Ecology, 2010, 19, 1877-1897.	2.0	83
59	Continental-scale homogenization of residential lawn plant communities. Landscape and Urban Planning, 2017, 165, 54-63.	3.4	82
60	INTEGRATING MICRO- AND MACROEVOLUTIONARY PROCESSES IN COMMUNITY ECOLOGY. Ecology, 2003, 84, 592-597.	1.5	79
61	Phylogenetic community structure in Minnesota oak savanna is influenced by spatial extent and environmental variation. Ecography, 2010, 33, 565-577.	2.1	79
62	Convergence of microclimate in residential landscapes across diverse cities in the United States. Landscape Ecology, 2016, 31, 101-117.	1.9	78
63	Habitat specialization and the role of trait lability in structuring diverse willow (genus Salix) communities. Ecology, 2012, 93, S138.	1.5	74
64	Maintenance of tree phylogenetic diversity in a highly fragmented rain forest. Journal of Ecology, 2012, 100, 702-711.	1.9	74
65	Evolutionary Legacy Effects on Ecosystems: Biogeographic Origins, Plant Traits, and Implications for Management in the Era of Global Change. Annual Review of Ecology, Evolution, and Systematics, 2016, 47, 433-462.	3.8	73
66	Soil moisture and chemistry influence diversity of ectomycorrhizal fungal communities associating with willow along an hydrologic gradient. FEMS Microbiology Ecology, 2016, 92, fiv148.	1.3	72
67	Detecting prairie biodiversity with airborne remote sensing. Remote Sensing of Environment, 2019, 221, 38-49.	4.6	72
68	Leaf reflectance spectra capture the evolutionary history of seed plants. New Phytologist, 2020, 228, 485-493.	3.5	72
69	Phenological cues drive an apparent tradeâ€off between freezing tolerance and growth in the family Salicaceae. Ecology, 2013, 94, 1708-1717.	1.5	71
70	Southward Pleistocene migration of Douglasâ€fir into Mexico: phylogeography, ecological niche modeling, and conservation of â€˜rear edgeâ€™ populations. New Phytologist, 2011, 189, 1185-1199.	3.5	70
71	Ecological homogenization of residential macrosystems. Nature Ecology and Evolution, 2017, 1, 191.	3.4	69
72	The Cohesionâ€Tension Theory. New Phytologist, 2004, 163, 451-452.	3.5	68

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73	Species richness and traits predict overyielding in stem growth in an earlyâ€successional tree diversity experiment. Ecology, 2017, 98, 2601-2614.	1.5	68
74	Homogenization of plant diversity, composition, and structure in North American urban yards. Ecosphere, 2018, 9, e02105.	1.0	68
75	Native communities determine the identity of exotic invaders even at scales at which communities are unsaturated. Diversity and Distributions, 2011, 17, 35-42.	1.9	67
76	Seasonal Variation in the NDVIâ€“Species Richness Relationship in a Prairie Grassland Experiment (Cedar) Tj ETQq0 0 0 rgBT /Overlock 1	1.8	65
77	Moving Towards a New Urban Systems Science. Ecosystems, 2017, 20, 38-43.	1.6	63
78	Evolutionary trade-offs between drought resistance mechanisms across a precipitation gradient in a seasonally dry tropical oak (Quercus oleoides). Tree Physiology, 2017, 37, 889-901.	1.4	60
79	Phylogenetic patterns differ for native and exotic plant communities across a richness gradient in Northern California. Diversity and Distributions, 2010, 16, 892-901.	1.9	56
80	Convergent Surface Water Distributions in U.S. Cities. Ecosystems, 2014, 17, 685-697.	1.6	56
81	Impacts of Freezing on Long Distance Transport in Woody Plants. , 2005, , 401-424.		55
82	Functional diversity of leaf litter mixtures slows decomposition of labile but not recalcitrant carbon over two years. Ecological Monographs, 2020, 90, e01407.	2.4	55
83	Xanthophyll cycle pigment and antioxidant profiles of winter-red (anthocyanic) and winter-green (acyanic) angiosperm evergreen species. Journal of Experimental Botany, 2012, 63, 1895-1905.	2.4	54
84	Climatic origins predict variation in photoprotective leaf pigments in response to drought and low temperatures in live oaks (Quercus series Virentes). Tree Physiology, 2015, 35, 521-534.	1.4	54
85	Influence of species richness, evenness, and composition on optical diversity: A simulation study. Remote Sensing of Environment, 2018, 211, 218-228.	4.6	53
86	Synthesizing phylogenetic knowledge for ecological research. Ecology, 2012, 93, S4-S13.	1.5	52
87	The role of diversification in community assembly of the oaks (Quercus L.) across the continental U.S.. American Journal of Botany, 2018, 105, 565-586.	0.8	50
88	From Leaves to Ecosystems: Using Chlorophyll Fluorescence to Assess Photosynthesis and Plant function in Ecological Studies. Advances in Photosynthesis and Respiration, 2004, , 737-755.	1.0	49
89	Taking the Long View: Integrating Recorded, Archeological, Paleoecological, and Evolutionary Data into Ecological Restoration. International Journal of Plant Sciences, 2016, 177, 90-102.	0.6	48
90	Ecosystem service trade-offs across global contexts and scales. Ecology and Society, 2015, 20, .	1.0	47

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91	Changes in ectomycorrhizal community structure on two containerized oak hosts across an experimental hydrologic gradient. Mycorrhiza, 2009, 19, 133-142.	1.3	46
92	Quercus. , 2011, , 89-129.		46
93	Soil abiotic variables are more important than Salicaceae phylogeny or habitat specialization in determining soil microbial community structure. Molecular Ecology, 2018, 27, 2007-2024.	2.0	44
94	Natural selection and neutral evolutionary processes contribute to genetic divergence in leaf traits across a precipitation gradient in the tropical oak Quercus oleoides. Molecular Ecology, 2018, 27, 2176-2192.	2.0	43
95	Molecular and morphological support for a Florida origin of the Cuban oak. Journal of Biogeography, 2013, 40, 632-645.	1.4	42
96	Genomics meets remote sensing in global change studies: monitoring and predicting phenology, evolution and biodiversity. Current Opinion in Environmental Sustainability, 2017, 29, 177-186.	3.1	42
97	Spectral differentiation of oak wilt from foliar fungal disease and drought is correlated with physiological changes. Tree Physiology, 2020, 40, 377-390.	1.4	42
98	Remote Sensing of Solar-excited Plant Fluorescence as a Measure of Photosynthetic Rate. Photosynthetica, 2002, 40, 127-132.	0.9	40
99	Conservation needs to integrate knowledge across scales. Nature Ecology and Evolution, 2022, 6, 118-119.	3.4	40
100	Chilling and freezing stress in live oaks (Quercus section Virentes): intra- and inter-specific variation in PS II sensitivity corresponds to latitude of origin. Photosynthesis Research, 2007, 94, 437-53.	1.6	39
101	Contrasting drought survival strategies of sympatric willows (genus: Salix): consequences for coexistence and habitat specialization. Tree Physiology, 2011, 31, 604-614.	1.4	38
102	Predicting habitat affinities of plant species using commonly measured functional traits. Journal of Vegetation Science, 2017, 28, 1082-1095.	1.1	38
103	Deciduous and evergreen oaks show contrasting adaptive responses in leaf mass per area across environments. New Phytologist, 2021, 230, 521-534.	3.5	38
104	Multi-scale phylogenetic structure in coastal dune plant communities across the globe. Journal of Plant Ecology, 2014, 7, 101-114.	1.2	37
105	Population-Level Differentiation in Growth Rates and Leaf Traits in Seedlings of the Neotropical Live Oak Quercus oleoides Grown under Natural and Manipulated Precipitation Regimes. Frontiers in Plant Science, 2017, 8, 585.	1.7	37
106	Using foliar spectral properties to assess the effects of drought on plant water potential. Tree Physiology, 2017, 37, 1582-1591.	1.4	36
107	Patterns of Beta Diversity of Vascular Plants and Their Correspondence With Biome Boundaries Across North America. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	36
108	Consequences of CO2 and light interactions for leaf phenology, growth, and senescence in Quercus rubra. Global Change Biology, 2000, 6, 877-887.	4.2	35

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109	Urban plant diversity in Los Angeles, California: Species and functional type turnover in cultivated landscapes. Plants People Planet, 2020, 2, 144-156.	1.6	35
110	Multiâ€temporal assessment of grassland Î±â€•and Î²â€diversity using hyperspectral imaging. Ecological Applications, 2020, 30, e02145.	1.8	33
111	Remote spectral detection of biodiversity effects on forest biomass. Nature Ecology and Evolution, 2021, 5, 46-54.	3.4	33
112	Urban soil carbon and nitrogen converge at a continental scale. Ecological Monographs, 2020, 90, e01401.	2.4	32
113	Drivers of plant species richness and phylogenetic composition in urban yards at the continental scale. Landscape Ecology, 2019, 34, 63-77.	1.9	31
114	Horticultural availability and homeowner preferences drive plant diversity and composition in urban yards. Ecological Applications, 2020, 30, e02082.	1.8	30
115	Integrating ecology and phylogenetics: the footprint of history in modernâ€day communities¹. Ecology, 2012, 93, S1.	1.5	29
116	Limited Pollen Dispersal Contributes to Population Genetic Structure but Not Local Adaptation in Quercus oleoides Forests of Costa Rica. PLoS ONE, 2015, 10, e0138783.	1.1	29
117	Plant nitrogen concentration and isotopic composition in residential lawns across seven US cities. Oecologia, 2016, 181, 271-285.	0.9	29
118	Willow species (genus: Salix) with contrasting habitat affinities differ in their photoprotective responses to water stress. Functional Plant Biology, 2009, 36, 300.	1.1	28
119	Leafâ€level tradeâ€offs between drought avoidance and desiccation recovery drive elevation stratification in arid oaks. Ecosphere, 2018, 9, e02149.	1.0	28
120	Representing plant diversity in land models: An evolutionary approach to make â€œFunctional Typesâ€• more functional. Global Change Biology, 2022, 28, 2541-2554.	4.2	28
121	Satisfaction, water and fertilizer use in the American residential macrosystem. Environmental Research Letters, 2016, 11, 034004.	2.2	26
122	Physiological Evidence from Common Garden Experiments for Local Adaptation and Adaptive Plasticity to Climate in American Live Oaks (Quercus Section Virentes): Implications for Conservation Under Global Change. Tree Physiology, 2017, , 107-135.	0.9	26
123	Revisiting the Functional Basis of Sclerophylly Within the Leaf Economics Spectrum of Oaks: Different Roads to Rome. Current Forestry Reports, 2020, 6, 260-281.	3.4	26
124	Climate and phylogenetic history structure morphological and architectural trait variation among fineâ€root orders. New Phytologist, 2020, 228, 1824-1834.	3.5	25
125	Contribution of nonâ€native plants to the phylogenetic homogenization of U.S. yard floras. Ecosphere, 2019, 10, e02638.	1.0	24
126	Enhanced light interception and light use efficiency explain overyielding in young tree communities. Ecology Letters, 2021, 24, 996-1006.	3.0	24

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127	A framework for understanding how biodiversity patterns unfold across multiple spatial scales in urban ecosystems. Ecosphere, 2021, 12, e03650.	1.0	24
128	Canopy spectral reflectance detects oak wilt at the landscape scale using phylogenetic discrimination. Remote Sensing of Environment, 2022, 273, 112961.	4.6	24
129	Multiple Ceratocystis smalleyi Infections Associated with Reduced Stem Water Transport in Bitternut Hickory. Phytopathology, 2013, 103, 565-574.	1.1	23
130	Metrics and Models of Community Phylogenetics. , 2014, , 451-464.		23
131	Linking yard plant diversity to homeownersâ€™ landscaping priorities across the U.S. Landscape and Urban Planning, 2020, 196, 103730.	3.4	23
132	Light mediates the relationship between community diversity and trait plasticity in functionally and phylogenetically diverse tree mixtures. Journal of Ecology, 2020, 108, 1617-1634.	1.9	23
133	Physiological responses to light explain competition and facilitation in a tree diversity experiment. Journal of Ecology, 2021, 109, 2000-2018.	1.9	23
134	Neighborhood diversity simultaneously increased and decreased susceptibility to contrasting herbivores in an early stage forest diversity experiment. Journal of Ecology, 2019, 107, 1492-1505.	1.9	22
135	Genomic Identity of White Oak Species in an Eastern North American Syngameon. Annals of the Missouri Botanical Garden, 2019, 104, 455-477.	1.3	22
136	Community-wide consequences of variation in photoprotective physiology among prairie plants. Photosynthetica, 2018, 56, 455-467.	0.9	21
137	Trophic phylogenetics: evolutionary influences on body size, feeding, and species associations in grassland arthropods. Ecology, 2015, 96, 998-1009.	1.5	20
138	A multi-city comparison of front and backyard differences in plant species diversity and nitrogen cycling in residential landscapes. Landscape and Urban Planning, 2018, 178, 102-111.	3.4	20
139	Residential household yard care practices along urban-exurban gradients in six climatically-diverse U.S. metropolitan areas. PLoS ONE, 2019, 14, e0222630.	1.1	19
140	Testing Darwinâ€™s naturalization conundrum based on taxonomic, phylogenetic, and functional dimensions of vascular plants. Ecological Monographs, 2020, 90, e01420.	2.4	19
141	Taxonomic, phylogenetic, and functional composition and homogenization of residential yard vegetation with contrasting management. Landscape and Urban Planning, 2020, 202, 103877.	3.4	19
142	Remotely detected aboveground plant function predicts belowground processes in two prairie diversity experiments. Ecological Monographs, 2022, 92, e1488.	2.4	19
143	Pasture Recolonization by a Tropical Oak and the Regeneration Ecology of Seasonally Dry Tropical Forests. , 2011, , 221-237.		18
144	Consideration of Scale in Remote Sensing of Biodiversity. , 2020, , 425-447.		18

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145	Seed production timing influences seedling fitness in the tropical live oak Quercus oleoides of Costa Rican dry forests. American Journal of Botany, 2016, 103, 1407-1419.	0.8	16
146	Predicting species distributions and community composition using satellite remote sensing predictors. Scientific Reports, 2021, 11, 16448.	1.6	16
147	American elm cultivars: Variation in compartmentalization of infection by Ophiostoma novoâ€ulmi and its effects on hydraulic conductivity. Forest Pathology, 2017, 47, e12369.	0.5	15
148	An experimental test of fitness variation across a hydrologic gradient predicts willow and poplar species distributions. Ecology, 2017, 98, 1311-1323.	1.5	14
149	Genetic, morphological, and spectral characterization of relictual Niobrara River hybrid aspens (Populus Ã— smithii). American Journal of Botany, 2017, 104, 1878-1890.	0.8	14
150	Evolutionary potential varies across populations and traits in the neotropical oak Quercus oleoides. Tree Physiology, 2019, 39, 427-439.	1.4	14
151	The hidden value of trees: Quantifying the ecosystem services of tree lineages and their major threats across the contiguous US. , 2022, 1, e0000010.		14
152	Contrasting effects of plant species traits and moisture on the decomposition of multiple litter fractions. Oecologia, 2015, 179, 573-584.	0.9	13
153	Sustainability and Biodiversity. , 2013, , 71-84.		11
154	Observations, indicators and scenarios of biodiversity and ecosystem services change â€" a framework to support policy and decision-making. Current Opinion in Environmental Sustainability, 2017, 29, 198-206.	3.1	11
155	Unraveling the drivers of plant taxonomic and phylogenetic Î²-diversity in a human-modified tropical dry forest. Biodiversity and Conservation, 2021, 30, 1049-1065.	1.2	11
156	Disease and fire interact to influence transitions between savannaâ€"forest ecosystems over a multiâ€decadal experiment. Ecology Letters, 2021, 24, 1007-1017.	3.0	11
157	Linking Leaf Spectra to the Plant Tree of Life. , 2020, , 155-172.		11
158	Balancing selection maintains diversity in a cold tolerance gene in broadly distributed live oaks. Genome, 2017, 60, 762-769.	0.9	10
159	Applying Remote Sensing to Biodiversity Science. , 2020, , 13-42.		10
160	The hypothesis of sympatric speciation as the dominant generator of endemism in a global hotspot of biodiversity. Ecology and Evolution, 2015, 5, 5272-5283.	0.8	9
161	Coupling spectral and resource-use complementarity in experimental grassland and forest communities. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211290.	1.2	9
162	Adaptive variation among oaks in wood anatomical properties is shaped by climate of origin and shows limited plasticity across environments. Functional Ecology, 0, , .	1.7	9

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163	Landâ€use tradeâ€offs between tree biodiversity and crop production in the Atlantic Forest. Conservation Biology, 2018, 32, 1074-1084.	2.4	8
164	Drought and freezing vulnerability of the isolated hybrid aspen Populus x smithii relative to its parental species, P.Âtremuloides and P. grandidentata. Ecology and Evolution, 2019, 9, 8062-8074.	0.8	8
165	Climate and lawn management interact to control C4plant distribution in residential lawns across seven U.S. cities. Ecological Applications, 2019, 29, e01884.	1.8	8
166	Toward an integrated view of the â€˜elephantâ€™: unlocking the mysteries of water transport and xylem vulnerability in oaks. Tree Physiology, 2020, 40, 1-4.	1.4	8
167	Open questions in understanding the adaptive significance of plant functional trait variation within a single lineage. New Phytologist, 2020, 227, 659-663.	3.5	8
168	The Use of Remote Sensing to Enhance Biodiversity Monitoring and Detection: A Critical Challenge for the Twenty-First Century. , 2020, , 1-12.		8
169	Consequences of salinity and freezing stress for two populations of Quercus virginiana Mill. (Fagaceae) grown in a common garden¹. Journal of the Torrey Botanical Society, 2013, 140, 145-156.	0.1	6
170	Photoprotective Mechanisms in the Genus Quercus in Response to Winter Cold and Summer Drought. Tree Physiology, 2017, , 361-391.	0.9	6
171	Commercial Plant Production and Consumption Still Follow the Latitudinal Gradient in Species Diversity despite Economic Globalization. PLoS ONE, 2016, 11, e0163002.	1.1	6
172	Seasonal patterns of spectral diversity at leaf and canopy scales in the Cedar Creek prairie biodiversity experiment. Remote Sensing of Environment, 2022, 280, 113169.	4.6	6
173	BII-Implementation: The causes and consequences of plant biodiversity across scales in a rapidly changing world. Research Ideas and Outcomes, 0, 7, .	1.0	5
174	Using Remote Sensing for Modeling and Monitoring Species Distributions. , 2020, , 199-223.		5
175	Linking Foliar Traits to Belowground Processes. , 2020, , 173-197.		4
176	Non-symbiotic soil microbes are more strongly influenced by altered tree biodiversity than arbuscular mycorrhizal fungi during initial forest establishment. FEMS Microbiology Ecology, 2019, 95, .	1.3	3
177	Consequences of biodiversity shift across phylogenetic scales for aspen and willow growth, survival, and herbivory. Journal of Vegetation Science, 2019, 30, 301-311.	1.1	3
178	Drivers of habitat partitioning among three Quercus species along a hydrologic gradient. Tree Physiology, 2020, 40, 142-157.	1.4	2
179	Seasonal variation in native hydraulic conductivity between two deciduous oak species. Journal of Plant Ecology, 2020, 13, 78-86.	1.2	2
180	Contrasting Impacts of Cultivated Exotics on the Functional Diversity of Domestic Gardens in Three Regions with Different Aridity. Ecosystems, 2021, 24, 875-890.	1.6	2

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181	Consequences of drought severity for tropical live oak (Quercus oleoides) in Mesoamerica. Ecological Applications, 2020, 30, e02135.	1.8	2
182	Novel insights on the linkage between enhanced photoprotection and oak decline. Tree Physiology, 2022, 42, 203-207.	1.4	2
183	Epilogue: Toward a Global Biodiversity Monitoring System. , 2020, , 519-526.		1
184	Consequences of incongruency in diurnally varying resources for seedlings of Rumex crispus (Polygonaceae). American Journal of Botany, 1998, 85, 1216-1223.	0.8	0