

Spatial complementarity in tree crowns explains overyielding

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Citation Report

#	ARTICLE	IF	CITATIONS
1	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
2	Crown plasticity in Scots pine (<i>Pinus sylvestris</i> L.) as a strategy of adaptation to competition and environmental factors. <i>Ecological Modelling</i> , 2017, 356, 117-126.	1.2	30
3	From competition to facilitation: how tree species respond to neighbourhood diversity. <i>Ecology Letters</i> , 2017, 20, 892-900.	3.0	123
4	Biodiversity: Complementary canopies. <i>Nature Ecology and Evolution</i> , 2017, 1, 104.	3.4	19
5	Changes in structural heterogeneity and stand productivity by mixing Scots pine and Maritime pine. <i>Forest Ecology and Management</i> , 2017, 405, 219-228.	1.4	41
6	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. <i>Nature Ecology and Evolution</i> , 2017, 1, 1639-1642.	3.4	95
7	Diverse belowground resource strategies underlie plant species coexistence and spatial distribution in three grasslands along a precipitation gradient. <i>New Phytologist</i> , 2017, 216, 1140-1150.	3.5	96
8	How tree species identity and diversity affect light transmittance to the understory in mature temperate forests. <i>Ecology and Evolution</i> , 2017, 7, 10861-10870.	0.8	56
9	Mapping functional diversity from remotely sensed morphological and physiological forest traits. <i>Nature Communications</i> , 2017, 8, 1441.	5.8	214
10	Toward a methodical framework for comprehensively assessing forest multifunctionality. <i>Ecology and Evolution</i> , 2017, 7, 10652-10674.	0.8	41
11	Precommercial thinning of overtopping aspen to release coniferous regeneration in a boreal mixedwood stand. <i>Forestry Chronicle</i> , 2017, 93, 259-270.	0.5	9
12	Development of Northern White-Cedar (<i>Thuja occidentalis</i> L.) Plantations within and outside Deer Yards. <i>Forests</i> , 2017, 8, 326.	0.9	9
13	A million and more trees for science. <i>Nature Ecology and Evolution</i> , 2018, 2, 763-766.	3.4	90
14	Tree seedling vitality improves with functional diversity in a Mediterranean common garden experiment. <i>Forest Ecology and Management</i> , 2018, 409, 614-633.	1.4	10
15	Synthesis and future research directions linking tree diversity to growth, survival, and damage in a global network of tree diversity experiments. <i>Environmental and Experimental Botany</i> , 2018, 152, 68-89.	2.0	113
16	Forest structure in space and time: Biotic and abiotic determinants of canopy complexity and their effects on net primary productivity. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 181-191.	1.9	63
17	Neighbourhood interactions drive overyielding in mixed-species tree communities. <i>Nature Communications</i> , 2018, 9, 1144.	5.8	92
18	Difference in shade tolerance drives the mixture effect on oak productivity. <i>Journal of Ecology</i> , 2018, 106, 1073-1082.	1.9	44

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19	Overyielding in young tree plantations is driven by local complementarity and selection effects related to shade tolerance. <i>Journal of Ecology</i> , 2018, 106, 1096-1105.	1.9	61
20	Crop mixtures: does niche complementarity hold for belowground resources? An experimental test using rice genotypic pairs. <i>Plant and Soil</i> , 2018, 424, 187-202.	1.8	28
21	Consequences of mixing <i>Acacia mangium</i> and <i>Eucalyptus grandis</i> trees on soil exploration by fine-roots down to a depth of 17 m. <i>Plant and Soil</i> , 2018, 424, 203-220.	1.8	42
22	Multiple factors modulate tree growth complementarity in Central European mixed forests. <i>Journal of Ecology</i> , 2018, 106, 1106-1119.	1.9	96
23	Above-ground biomass is driven by mass-ratio effects and stand structural attributes in a temperate deciduous forest. <i>Journal of Ecology</i> , 2018, 106, 561-570.	1.9	116
24	Functional diversity metrics detect spatio-temporal changes in the fish communities of a Caribbean marine protected area. <i>Ecosphere</i> , 2018, 9, e02433.	1.0	20
25	Leaf-litter overyielding in a forest biodiversity experiment in subtropical China. <i>Forest Ecosystems</i> , 2018, 5, .	1.3	22
26	Mixed Forest Plantations. <i>Managing Forest Ecosystems</i> , 2018, , 319-341.	0.4	5
27	Species Mixing Effects on Forest Productivity: A Case Study at Stand-, Species- and Tree-Level in the Netherlands. <i>Forests</i> , 2018, 9, 713.	0.9	13
28	Impacts of species richness on productivity in a large-scale subtropical forest experiment. <i>Science</i> , 2018, 362, 80-83.	6.0	433
29	Effect of diversity on growth, mortality, and loss of resilience to extreme climate events in a tropical planted forest experiment. <i>Scientific Reports</i> , 2018, 8, 15443.	1.6	49
30	Selection in response to community diversity alters plant performance and functional traits. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 33, 51-61.	1.1	21
31	Tree diversity mitigates defoliation after a drought-induced tipping point. <i>Global Change Biology</i> , 2018, 24, 4304-4315.	4.2	42
32	Interspecific trait differences rather than intraspecific trait variation increase the extent and filling of community trait space with increasing plant diversity in experimental grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 33, 42-50.	1.1	14
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34	A high-resolution approach for the spatiotemporal analysis of forest canopy space using terrestrial laser scanning data. <i>Ecology and Evolution</i> , 2018, 8, 6800-6811.	0.8	20
35	Effects of canopy structure and species diversity on primary production in upper Great Lakes forests. <i>Oecologia</i> , 2018, 188, 405-415.	0.9	29
36	Mycorrhiza in tree diversity-ecosystem function relationships: conceptual framework and experimental implementation. <i>Ecosphere</i> , 2018, 9, e02226.	1.0	49

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37	Boreal tree hydrodynamics: asynchronous, diverging, yet complementary. <i>Tree Physiology</i> , 2018, 38, 953-964.	1.4	46
38	Tree species richness increases ecosystem carbon storage in subtropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181240.	1.2	169
39	Diversity and forest productivity in a changing climate. <i>New Phytologist</i> , 2019, 221, 50-66.	3.5	275
40	Soil heterogeneity in tree mixtures depends on spatial clustering of tree species. <i>Basic and Applied Ecology</i> , 2019, 39, 38-47.	1.2	4
41	High rates of primary production in structurally complex forests. <i>Ecology</i> , 2019, 100, e02864.	1.5	96
42	Linkage of forest productivity to tree diversity under two different bioclimatic regimes in Italy. <i>Science of the Total Environment</i> , 2019, 687, 1065-1072.	3.9	9
43	Predominance of abiotic drivers in the relationship between species diversity and litterfall production in a tropical karst seasonal rainforest. <i>Forest Ecology and Management</i> , 2019, 449, 117452.	1.4	15
44	Light interception in experimental forests affected by tree diversity and structural complexity of dominant canopy. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107655.	1.9	28
45	More Than the Sum of Its Parts: Microbiome Biodiversity as a Driver of Plant Growth and Soil Health. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2019, 50, 145-168.	3.8	219
46	Not even wrong: Comment by Wagg et al.. <i>Ecology</i> , 2019, 100, e02805.	1.5	8
47	The shape is more important than we ever thought: Plant to plant interactions in a high mountain community. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1584-1593.	2.2	5
48	Structural diversity as a predictor of ecosystem function. <i>Environmental Research Letters</i> , 2019, 14, 114011.	2.2	70
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50	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , 2019, 3, 1754-1761.	3.4	32
51	How do trees respond to species mixing in experimental compared to observational studies?. <i>Ecology and Evolution</i> , 2019, 9, 11254-11265.	0.8	8
52	Managing Mixed Stands: Reassessing a Forgotten Stand Type in the Southeastern United States. <i>Forests</i> , 2019, 10, 751.	0.9	14
53	Forest resilience under global environmental change: Do we have the information we need? A systematic review. <i>PLoS ONE</i> , 2019, 14, e0222207.	1.1	34
54	Neighbour species richness and local structural variability modulate aboveground allocation patterns and crown morphology of individual trees. <i>Ecology Letters</i> , 2019, 22, 2130-2140.	3.0	80

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55	Drivers of productivity and its temporal stability in a tropical tree diversity experiment. <i>Global Change Biology</i> , 2019, 25, 4257-4272.	4.2	93
56	Tree-species interactions increase light absorption and growth in Chinese subtropical mixed-species plantations. <i>Oecologia</i> , 2019, 191, 421-432.	0.9	22
57	Functional similarity and competitive symmetry control productivity in mixtures of Mediterranean perennial grasses. <i>PLoS ONE</i> , 2019, 14, e0221667.	1.1	5
58	A wind tunnel study of the airflow field and shelter efficiency of mixed windbreaks. <i>Aeolian Research</i> , 2019, 41, 100544.	1.1	23
59	The Effect of Tree Crown Allometry on Community Dynamics in Mixed-Species Stands versus Monocultures. A Review and Perspectives for Modeling and Silvicultural Regulation. <i>Forests</i> , 2019, 10, 810.	0.9	50
60	Levels of forest ecosystem services depend on specific mixtures of commercial tree species. <i>Nature Plants</i> , 2019, 5, 141-147.	4.7	57
61	Tree species diversity promotes litterfall productivity through crown complementarity in subtropical forests. <i>Journal of Ecology</i> , 2019, 107, 1852-1861.	1.9	34
62	Quantifying 3D structure and occlusion in dense tropical and temperate forests using close-range LiDAR. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 249-257.	1.9	88
63	Mixed-species tree plantings enhance structural complexity in oil palm plantations. <i>Agriculture, Ecosystems and Environment</i> , 2019, 283, 106564.	2.5	62
64	Big-sized trees overrule remaining trees' attributes and species richness as determinants of aboveground biomass in tropical forests. <i>Global Change Biology</i> , 2019, 25, 2810-2824.	4.2	89
65	Evergreenness influences fine root growth more than tree diversity in a common garden experiment. <i>Oecologia</i> , 2019, 189, 1027-1039.	0.9	15
66	Stand structure drives disparities in carbon storage in northern hardwood-conifer forests. <i>Forest Ecology and Management</i> , 2019, 442, 10-20.	1.4	39
67	Species-rich boreal forests grew more and suffered less mortality than species-poor forests under the environmental change of the past half-century. <i>Ecology Letters</i> , 2019, 22, 999-1008.	3.0	39
68	Multiple plant diversity components drive consumer communities across ecosystems. <i>Nature Communications</i> , 2019, 10, 1460.	5.8	139
69	The effectiveness of lidar remote sensing for monitoring forest cover attributes and landscape restoration. <i>Forest Ecology and Management</i> , 2019, 438, 34-43.	1.4	70
70	Linking Soil Fungal Generality to Tree Richness in Young Subtropical Chinese Forests. <i>Microorganisms</i> , 2019, 7, 547.	1.6	10
71	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
72	Consequences of biodiversity shift across phylogenetic scales for aspen and willow growth, survival, and herbivory. <i>Journal of Vegetation Science</i> , 2019, 30, 301-311.	1.1	3

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73	Tree crown complementarity links positive functional diversity and aboveground biomass along large-scale ecological gradients in tropical forests. <i>Science of the Total Environment</i> , 2019, 656, 45-54.	3.9	17
74	The Future of Complementarity: Disentangling Causes from Consequences. <i>Trends in Ecology and Evolution</i> , 2019, 34, 167-180.	4.2	246
75	Species mixture increases production partitioning to belowground in a natural boreal forest. <i>Forest Ecology and Management</i> , 2019, 432, 667-674.	1.4	21
76	Tree allometry variation in response to intra- and inter-specific competitions. <i>Trees - Structure and Function</i> , 2019, 33, 121-138.	0.9	59
77	Stand growth and structure of mixed-species and monospecific stands of Scots pine (<i>Pinus sylvestris</i>) in Europe. <i>European Journal of Forest Research</i> , 2020, 139, 349-367.	1.1	59
78	Complementarity effects are strengthened by competition intensity and global environmental change in the central boreal forests of Canada. <i>Ecology Letters</i> , 2020, 23, 79-87.	3.0	34
79	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. <i>Ecology</i> , 2020, 101, e02905.	1.5	40
80	Implications of contrasted above- and below-ground biomass responses in a diversity experiment with trees. <i>Journal of Ecology</i> , 2020, 108, 405-414.	1.9	18
81	The effect of species diversity on tree growth varies during forest succession in the boreal forest of central Canada. <i>Forest Ecology and Management</i> , 2020, 455, 117641.	1.4	26
82	Terrestrial land-cover type richness is positively linked to landscape-level functioning. <i>Nature Communications</i> , 2020, 11, 154.	5.8	37
83	Light mediates the relationship between community diversity and trait plasticity in functionally and phylogenetically diverse tree mixtures. <i>Journal of Ecology</i> , 2020, 108, 1617-1634.	1.9	23
84	Restoring Abandoned Farmland to Mitigate Climate Change on a Full Earth. <i>One Earth</i> , 2020, 3, 176-186.	3.6	60
85	Multivariate relationships between litter productivity and its drivers in a tropical karst seasonal rainforest. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 273, 151728.	0.6	4
86	Species richness promotes ecosystem carbon storage: evidence from biodiversity-ecosystem functioning experiments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202063.	1.2	31
87	Inter-specific competition of tree congeners induces changes in crown architecture in Mediterranean pine mixtures. <i>Forest Ecology and Management</i> , 2020, 476, 118471.	1.4	17
88	Functional-structural plant models to boost understanding of complementarity in light capture and use in mixed-species forests. <i>Basic and Applied Ecology</i> , 2020, 48, 92-101.	1.2	13
89	Plasticity in branching and crown architecture helps explain how tree diversity increases tropical forest production. <i>New Phytologist</i> , 2020, 228, 1163-1165.	3.5	2
90	Community and structural constraints on the complexity of eastern North American forests. <i>Global Ecology and Biogeography</i> , 2020, 29, 2107-2118.	2.7	24

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92	Using forest gap models and experimental data to explore long-term effects of tree diversity on the productivity of mixed planted forests. <i>Annals of Forest Science</i> , 2020, 77, 1.	0.8	14
93	Forest structure, diversity, and primary production in relation to disturbance severity. <i>Ecology and Evolution</i> , 2020, 10, 4419-4430.	0.8	12
94	Neighbourhood-mediated shifts in tree biomass allocation drive overyielding in tropical species mixtures. <i>New Phytologist</i> , 2020, 228, 1256-1268.	3.5	37
95	Tree litter functional diversity and nitrogen concentration enhance litter decomposition via changes in earthworm communities. <i>Ecology and Evolution</i> , 2020, 10, 6752-6768.	0.8	17
96	Crown plasticity of five pine species in response to competition along an aridity gradient. <i>Forest Ecology and Management</i> , 2020, 473, 118302.	1.4	14
97	Good things take time—Diversity effects on tree growth shift from negative to positive during stand development in boreal forests. <i>Journal of Ecology</i> , 2020, 108, 2198-2211.	1.9	21
98	Towards mapping the diversity of canopy structure from space with GEDI. <i>Environmental Research Letters</i> , 2020, 15, 115006.	2.2	72
99	Community-wide trait means and variations affect biomass in a biodiversity experiment with tree seedlings. <i>Oikos</i> , 2020, 129, 799-810.	1.2	11
100	Scaling-up biodiversity-ecosystem functioning research. <i>Ecology Letters</i> , 2020, 23, 757-776.	3.0	270
101	Tree Species Traits Determine the Success of LiDAR-Based Crown Mapping in a Mixed Temperate Forest. <i>Remote Sensing</i> , 2020, 12, 309.	1.8	47
102	Monitoring Plant Functional Diversity Using the Reflectance and Echo from Space. <i>Remote Sensing</i> , 2020, 12, 1248.	1.8	17
103	Genetic richness affects trait variation but not community productivity in a tree diversity experiment. <i>New Phytologist</i> , 2020, 227, 744-756.	3.5	12
104	Interpreting forest diversity-productivity relationships: volume values, disturbance histories and alternative inferences. <i>Forest Ecosystems</i> , 2020, 7, .	1.3	33
105	Species richness, not abundance, drives ecosystem multifunctionality in a subtropical coniferous forest. <i>Ecological Indicators</i> , 2021, 120, 106911.	2.6	14
106	Mapping functional diversity using individual tree-based morphological and physiological traits in a subtropical forest. <i>Remote Sensing of Environment</i> , 2021, 252, 112170.	4.6	46
107	Modelling of three-dimensional, diurnal light extinction in two contrasting forests. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108230.	1.9	18
108	Mixing effects on Scots pine (<i>Pinus sylvestris</i> L.) and Norway spruce (<i>Picea abies</i> (L.) Karst.) productivity along a climatic gradient across Europe. <i>Forest Ecology and Management</i> , 2021, 482, 118834.	1.4	23

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109	Tree-tree interactions and crown complementarity: The role of functional diversity and branch traits for canopy packing. <i>Basic and Applied Ecology</i> , 2021, 50, 217-227.	1.2	22
110	Remote spectral detection of biodiversity effects on forest biomass. <i>Nature Ecology and Evolution</i> , 2021, 5, 46-54.	3.4	33
111	Positive tree diversity effect on fine root biomass: via density dependence rather than spatial root partitioning. <i>Oikos</i> , 2021, 130, 1-14.	1.2	15
112	Drivers of understorey biomass: tree species identity is more important than richness in a young forest. <i>Journal of Plant Ecology</i> , 2021, 14, 465-477.	1.2	6
113	BI-Implementation: The causes and consequences of plant biodiversity across scales in a rapidly changing world. <i>Research Ideas and Outcomes</i> , 0, 7, .	1.0	5
114	Beyond forest succession: A gap model to study ecosystem functioning and tree community composition under climate change. <i>Functional Ecology</i> , 2021, 35, 955-975.	1.7	19
115	Effects of Forest Restoration Techniques on Community Diversity and Aboveground Biomass on Area Affected by Mining Tailings in Mariana, Southeastern Brazil. <i>Research in Ecology</i> , 2020, 2, 22-30.	0.2	6
116	Overyielding in young tree communities does not support the stressâ€gradient hypothesis and is favoured by functional diversity and higher water availability. <i>Journal of Ecology</i> , 2021, 109, 1790-1803.	1.9	18
117	Enhanced light interception and light use efficiency explain overyielding in young tree communities. <i>Ecology Letters</i> , 2021, 24, 996-1006.	3.0	24
118	Diversity and identity of economics traits determine the extent of tree mixture effects on ecosystem productivity. <i>Journal of Ecology</i> , 2021, 109, 1898-1908.	1.9	6
119	Physiological responses to light explain competition and facilitation in a tree diversity experiment. <i>Journal of Ecology</i> , 2021, 109, 2000-2018.	1.9	23
120	Biodiversity facets affect community surface temperature via 3D canopy structure in grassland communities. <i>Journal of Ecology</i> , 2021, 109, 1969-1985.	1.9	11
121	Understanding crown shyness from a 3-D perspective. <i>Annals of Botany</i> , 2021, 128, 725-736.	1.4	11
122	Neighborhood effects and environmental variables drive sapling growth in a young subtropical tree plantation. <i>Forest Ecology and Management</i> , 2021, 483, 118929.	1.4	3
123	Legacy of forest composition and changes over the long-term on tree radial growth. <i>Canadian Journal of Forest Research</i> , 0, , .	0.8	0
124	Trait similarity among dominant highly-competitive species rather than diversity increases productivity in semi-arid Mediterranean forests. <i>Forest Ecology and Management</i> , 2021, 486, 118969.	1.4	2
125	Site and plant community parameters drive the effect of vegetation on litterfall and nutrient inputs in restored tropical forests. <i>Plant and Soil</i> , 2021, 464, 405.	1.8	5
126	Effects of local neighbourhood diversity on crown structure and productivity of individual trees in mature mixed-species forests. <i>Forest Ecosystems</i> , 2021, 8, .	1.3	12

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127	Mixture effect on radial stem and shoot growth differs and varies with temperature. <i>Forest Ecology and Management</i> , 2021, 488, 119046.	1.4	1
128	High tree diversity enhances light interception in tropical forests. <i>Journal of Ecology</i> , 2021, 109, 2597-2611.	1.9	10
129	Nitrogen addition affects eco-physiological interactions between two tree species dominating in subtropical forests. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 150-160.	2.8	9
130	Competitive drivers of interspecific deviations of crown morphology from theoretical predictions measured with Terrestrial Laser Scanning. <i>Journal of Ecology</i> , 2021, 109, 2612-2628.	1.9	14
131	Above- and below-ground complementarity rather than selection drive tree diversity-productivity relationships in European forests. <i>Functional Ecology</i> , 2021, 35, 1756-1767.	1.7	15
132	Trade-offs across densities and mixture proportions in lodgepole pine-hybrid spruce plantations. <i>Forest Ecology and Management</i> , 2021, 490, 119095.	1.4	0
133	Tree species mixing can increase stand productivity, density and growth efficiency and attenuate the trade-off between density and growth throughout the whole rotation. <i>Annals of Botany</i> , 2021, 128, 767-786.	1.4	22
134	Effects of local neighbourhood structure on radial growth of <i>Picea crassifolia</i> Kom. and <i>Betula platyphylla</i> Suk. plantations in the loess alpine region, China. <i>Forest Ecology and Management</i> , 2021, 491, 119195.	1.4	4
135	The Driving Factors of Subtropical Mature Forest Productivity: Stand Structure Matters. <i>Forests</i> , 2021, 12, 998.	0.9	4
136	Tree species richness promotes an early increase of stand structural complexity in young subtropical plantations. <i>Journal of Applied Ecology</i> , 2021, 58, 2305-2314.	1.9	14
137	Exotics are more complementary over time in tree biodiversity-ecosystem functioning experiments. <i>Functional Ecology</i> , 2021, 35, 2550.	1.7	2
138	Interspecific Soil Water Partitioning as a Driver of Increased Productivity in a Diverse Mixed Mediterranean Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006382.	1.3	13
139	Shifts from complementarity to selection effects maintain high productivity in maize/legume intercropping systems. <i>Journal of Applied Ecology</i> , 2021, 58, 2603-2613.	1.9	36
140	Reprint of: Tree-tree interactions and crown complementarity: the role of functional diversity and branch traits for canopy packing. <i>Basic and Applied Ecology</i> , 2021, 55, 53-63.	1.2	1
141	The significance of tree-tree interactions for forest ecosystem functioning. <i>Basic and Applied Ecology</i> , 2021, 55, 33-52.	1.2	38
142	Intra-specific leaf trait responses to species richness at two different local scales. <i>Basic and Applied Ecology</i> , 2021, 55, 20-32.	1.2	14
143	Climate mediates the relationship between plant biodiversity and forest structure across the United States. <i>Global Ecology and Biogeography</i> , 2021, 30, 2245-2258.	2.7	15
144	We should not necessarily expect positive relationships between biodiversity and ecosystem functioning in observational field data. <i>Ecology Letters</i> , 2021, 24, 2537-2548.	3.0	64

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145	Reprint of: Functional-structural plant models to boost understanding of complementarity in light capture and use in mixed-species forests. <i>Basic and Applied Ecology</i> , 2021, 55, 64-73.	1.2	0
146	Genetic diversity reduces competition and increases tree growth on a Norway spruce (<i>Picea abies</i> [L.] Tj ETQq1 1 0.784314 ggBT /Ov	1.4	14
147	Plant and microbial pathways driving plant diversity effects on soil carbon accumulation in subtropical forest. <i>Soil Biology and Biochemistry</i> , 2021, 161, 108375.	4.2	42
148	Shifting tree species composition affects biodiversity of multiple taxa in Central European forests. <i>Forest Ecology and Management</i> , 2021, 498, 119552.	1.4	22
149	Monitoring restored tropical forest diversity and structure through UAV-borne hyperspectral and lidar fusion. <i>Remote Sensing of Environment</i> , 2021, 264, 112582.	4.6	61
150	Differential responses of forest strata species richness to paleoclimate and forest structure. <i>Forest Ecology and Management</i> , 2021, 499, 119605.	1.4	5
151	How does leaf functional diversity affect the light environment in forest canopies? An in-silico biodiversity experiment. <i>Ecological Modelling</i> , 2021, 440, 109394.	1.2	4
152	Influence of tree size, local forest structure, topography, and soil resource availability on plantation growth in Qinghai Province, China. <i>Ecological Indicators</i> , 2021, 120, 106957.	2.6	10
154	Applying Remote Sensing to Biodiversity Science. , 2020, , 13-42.		10
155	Disturbance-based silviculture for habitat diversification: Effects on forest structure, dynamics, and carbon storage. <i>Forest Ecology and Management</i> , 2020, 469, 118132.	1.4	20
159	Tree diversity effects on forest productivity increase through time because of spatial partitioning. <i>Forest Ecosystems</i> , 2020, 7, .	1.3	18
160	Large Underestimation of Intraspecific Trait Variation and Its Improvements. <i>Frontiers in Plant Science</i> , 2020, 11, 53.	1.7	9
161	Spatiotemporal dynamics of abiotic and biotic properties explain biodiversityâ€ecosystemâ€functioning relationships. <i>Ecological Monographs</i> , 2022, 92, e01490.	2.4	13
164	Shrub Diversity and Niche Characteristics in the Initial Stage of Reconstruction of Low-Efficiency <i>Cupressus funebris</i> Stands. <i>Forests</i> , 2021, 12, 1492.	0.9	5
165	Mixing degree, stand density, and water supply can increase the overyielding of mixed versus monospecific stands in Central Europe. <i>Forest Ecology and Management</i> , 2022, 503, 119741.	1.4	13
166	Temperature effect on size distributions in spruce-fir-beech mixed stands across Europe. <i>Forest Ecology and Management</i> , 2022, 504, 119819.	1.4	6
167	Linking Foliar Traits to Belowground Processes. , 2020, , 173-197.		4
169	Determining the scale at which variation in a single gene changes population yields. <i>ELife</i> , 2020, 9, .	2.8	6

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171	Carbon stocks differ among land-uses in agroforestry systems in western Canada. <i>Agricultural and Forest Meteorology</i> , 2022, 313, 108756.	1.9	12
172	Facilitation and competition reduction in tree species mixtures in Central Europe: Consequences for growth modeling and forest management. <i>Ecological Modelling</i> , 2022, 464, 109812.	1.2	24
173	Revealing the scale- and location-specific relationship between soil organic carbon and environmental factors in China's north-south transition zone. <i>Geoderma</i> , 2022, 409, 115600.	2.3	12
174	Diverse forests are cool: Promoting diverse forests to mitigate carbon emissions and climate change. , 2022, 1, 5-8.		8
175	From canopy complementarity to asymmetric competition: The negative relationship between structural diversity and productivity during succession. <i>Journal of Ecology</i> , 2022, 110, 457-465.	1.9	10
176	Early positive biodiversity effects on total biomass in experimental tree seedling assemblages with and without water limitation. <i>Journal of Vegetation Science</i> , 2021, 32, e13096.	1.1	2
177	Effects of Stand Density on Loblolly Pine, Cherrybark Oak, and Sweetgum Productivity in Monocultures and Pine-Hardwood Mixtures Over 23 Years in Northwestern Louisiana, USA. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
179	Climatic conditions, not above- and belowground resource availability and uptake capacity, mediate tree diversity effects on productivity and stability. <i>Science of the Total Environment</i> , 2022, 812, 152560.	3.9	8
181	Pathways for cross-boundary effects of biodiversity on ecosystem functioning. <i>Trends in Ecology and Evolution</i> , 2022, 37, 454-467.	4.2	34
182	Influence of stand structure on forest biomass sustainability. , 2022, , 327-352.		5
183	Functionally diverse tree stands reduce herbaceous diversity and productivity via canopy packing. <i>Functional Ecology</i> , 2022, 36, 950-961.	1.7	5
184	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
185	Changes in the direction of the diversity—productivity relationship over 15 years of stand development in a planted temperate forest. <i>Journal of Ecology</i> , 2022, 110, 1125-1137.	1.9	5
186	Quantifying Crown Morphology of Mixed Pine-Oak Forests Using Terrestrial Laser Scanning. <i>Remote Sensing</i> , 2021, 13, 4955.	1.8	11
189	Neighbourhood Species Richness Reduces Crown Asymmetry of Subtropical Trees in Sloping Terrain. <i>Remote Sensing</i> , 2022, 14, 1441.	1.8	2
190	Patterns of belowground overyielding and fine—root biomass in native and exotic angiosperms and gymnosperms. <i>Oikos</i> , 0, , .	1.2	1
191	Diversity Effects on Canopy Structure Change throughout a Growing Season in Experimental Grassland Communities. <i>Remote Sensing</i> , 2022, 14, 1557.	1.8	2
192	Tree species mixing can amplify microclimate offsets in young forest plantations. <i>Journal of Applied Ecology</i> , 2022, 59, 1428-1439.	1.9	16

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194	The hidden value of trees: Quantifying the ecosystem services of tree lineages and their major threats across the contiguous US. , 2022, 1, e0000010.		14
197	Trends in functional composition of small mammal communities across millennial time scales. <i>Ecography</i> , 2022, 2022, .	2.1	2
198	Higher tree diversity is linked to higher tree mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2013171119.	3.3	15
199	Forest Diversity Reduces the Prevalence of Pathogens Transmitted by the Tick <i>Ixodes ricinus</i> . <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	3
200	Relationship between the vertical distribution of fine roots and residual soil nitrogen along a gradient of hardwood mixture in a conifer plantation. <i>New Phytologist</i> , 2022, 235, 993-1004.	3.5	10
201	Multispecies forest plantations outyield monocultures across a broad range of conditions. <i>Science</i> , 2022, 376, 865-868.	6.0	107
202	Disturbance has variable effects on the structural complexity of a temperate forest landscape. <i>Ecological Indicators</i> , 2022, 140, 109004.	2.6	7
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204	Biotic Interactions as Mediators of Context-Dependent Biodiversity-Ecosystem Functioning Relationships. <i>Research Ideas and Outcomes</i> , 0, 8, .	1.0	10
205	Shelter Efficiency of Various Shelterbelt Configurations: A Wind Tunnel Study. <i>Atmosphere</i> , 2022, 13, 1022.	1.0	3
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207	Structural complexity and primary production resistance are coupled in a temperate forest. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	1.0	5
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210	Competition intensity varies with hardwood species identity and constrains stand-level productivity in southeastern pine-hardwood mixtures compared to loblolly pine monocultures. <i>Canadian Journal of Forest Research</i> , 2022, 52, 1439-1458.	0.8	3
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212	Hegyí competition index decomposition to improve estimation accuracy of <i>Larix olgensis</i> crown radius. <i>Ecological Indicators</i> , 2022, 143, 109322.	2.6	2
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215	Functional traits and its variation linked to speciesâ€™ degree of isohydry in subtropical regions with high heterogeneity. <i>Plant and Soil</i> , 2023, 482, 277-296.	1.8	1
216	Species Richness Promotes Productivity through Tree Crown Spatial Complementarity in a Species-Rich Natural Forest. <i>Forests</i> , 2022, 13, 1604.	0.9	1
217	Evolutionary effects of nitrogen are not easily predicted from ecological responses. <i>American Journal of Botany</i> , 2022, 109, 1741-1756.	0.8	5
218	Species $\hat{1}$ -diversity promotes but $\hat{2}$ -diversity restricts aboveground biomass in tropical forests, depending on stand structure and environmental factors. <i>Journal of Forestry Research</i> , 2023, 34, 889-901.	1.7	3
219	Effects of Tree Species on Moso Bamboo (<i>Phyllostachys edulis</i> (Carriere) J. Houzeau) Fine Root Morphology, Biomass, and Soil Properties in Bambooâ€™Broadleaf Mixed Forests. <i>Forests</i> , 2022, 13, 1834.	0.9	5
220	Branch development in monoculture and mixed-species plantations of <i>Betula alnoides</i> , <i>Erythrophleum fordii</i> and <i>Pinus kesiya</i> var. <i>langbianensis</i> in southwestern China. <i>Forest Ecology and Management</i> , 2023, 528, 120643.	1.4	1
221	Nonscalability of Fractal Dimension to Quantify Canopy Structural Complexity from Individual Trees to Forest Stands. <i>Journal of Remote Sensing</i> , 2022, 2022, .	3.2	5
222	Resistance vs. surrender: Different responses of functional traits of soybean and peanut to intercropping with maize. <i>Field Crops Research</i> , 2023, 291, 108779.	2.3	15
223	Mixed plantations have more soil carbon sequestration benefits than pure plantations in China. <i>Forest Ecology and Management</i> , 2023, 529, 120654.	1.4	8
224	Neighborhood diversity structure and neighborhood species richness effects differ across life stages in a subtropical natural secondary forest. <i>Forest Ecosystems</i> , 2022, 9, 100075.	1.3	4
225	Tree species and genetic diversity increase productivity via functional diversity and trophic feedbacks. <i>ELife</i> , 0, 11, .	2.8	9
226	Species-mixing effects on crown dimensions and canopy packing in a young pineâ€™birch plantation are modulated by stand density and irrigation. <i>European Journal of Forest Research</i> , 0, , .	1.1	0
227	Precommercial thinning increased diameter growth while maintaining mixedwood stands composition, 15 years after treatment. <i>Canadian Journal of Forest Research</i> , 0, , .	0.8	0
228	Insights in forest structural diversity indicators with machine learning: what is indicated?. <i>Biodiversity and Conservation</i> , 2023, 32, 1019-1046.	1.2	1
229	Abiotic and biotic drivers of tree trait effects on soil microbial biomass and soil carbon concentration. <i>Ecological Monographs</i> , 2023, 93, .	2.4	9
230	Remotely sensed functional diversity and its association with productivity in a subtropical forest. <i>Remote Sensing of Environment</i> , 2023, 290, 113530.	4.6	3
231	Quantifying the impact of management on the three-dimensional structure of boreal forests. <i>Forest Ecology and Management</i> , 2023, 535, 120885.	1.4	0

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233	Stand, plot characteristics, and tree species diversity jointly dominate the recruitment biomass of subtropical forests. <i>Forest Ecology and Management</i> , 2023, 531, 120814.	1.4	4
234	Crown morphology of <i>Populus deltoides</i> and <i>P. nigra</i> and <i>Alnus glutinosa</i> growing in agroforestry and forest mixture plantations. <i>Agroforestry Systems</i> , 2023, 97, 673-686.	0.9	2
235	Role of Traditional Agroforestry Systems in Climate Change Mitigation through Carbon Sequestration: An Investigation from the Semi-Arid Region of Pakistan. <i>Land</i> , 2023, 12, 513.	1.2	9
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237	A critical assessment of the biodiversity-productivity relationship in forests and implications for conservation. <i>Oecologia</i> , 2023, 201, 887-900.	0.9	3
239	Quantifying the Effect Size of Management Actions on Aboveground Carbon Stocks in Forest Plantations. <i>Current Forestry Reports</i> , 2023, 9, 131-148.	3.4	2
240	Species admixture can increase potential tree growth and reduce competition. <i>Forest Ecology and Management</i> , 2023, 539, 120997.	1.4	3
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