JÃ¼rgen Bauhus

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7024417/publications.pdf

Version: 2024-02-01

239	18,021	12328	17588
papers	citations	69 h-index	121 g-index

260	260	260	13369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	For the sake of resilience and multifunctionality, let's diversify planted forests!. Conservation Letters, 2022, 15, e12829.	5.7	124
2	Natural Advance Regeneration of Native Tree Species in Pinus radiata Plantations of South-Central Chile Suggests Potential for a Passive Restoration Approach. Ecosystems, 2022, 25, 1096-1116.	3.4	1
3	Does a shift in shade tolerance as suggested by seedling morphology explain differences in regeneration success of northern red oak in native and introduced ranges?. Journal of Forestry Research, 2022, 33, 949-962.	3.6	3
4	Examination of aboveground attributes to predict belowground biomass of young trees. Forest Ecology and Management, 2022, 505, 119942.	3.2	12
5	Management alters droughtâ€induced mortality patterns in European beech (Fagus sylvatica L.) forests. Plant Biology, 2022, 24, 1157-1170.	3.8	17
6	Calibration of Near-Infrared Spectra for Phosphorus Fractions in Grassland Soils on the Tibetan Plateau. Agronomy, 2022, 12, 783.	3.0	5
7	Mutually inclusive mechanisms of droughtâ€induced tree mortality. Global Change Biology, 2022, 28, 3365-3378.	9.5	37
8	Tree Diversity, Initial Litter Quality, and Site Conditions Drive Early-Stage Fine-Root Decomposition in European Forests. Ecosystems, 2022, 25, 1493-1509.	3.4	4
9	Synergies and trade-offs in ecosystem services from urban and periâ€urban forests and their implication to sustainable city design and planning. Sustainable Cities and Society, 2022, 82, 103903.	10.4	24
10	Low root functional dispersion enhances functionality of plant growth by influencing bacterial activities in European forest soils. Environmental Microbiology, 2021, 23, 1889-1906.	3.8	16
11	Restoring native forests from Pinus radiata plantations: Effects of different harvesting treatments on the performance of planted seedlings of temperate tree species in central Chile. Forest Ecology and Management, 2021, 479, 118585.	3.2	7
12	Climate affects neighbourâ€induced changes in leaf chemical defences and tree diversityâ€“herbivory relationships. Functional Ecology, 2021, 35, 67-81.	3.6	12
13	Fungal guilds and soil functionality respond to tree community traits rather than to tree diversity in European forests. Molecular Ecology, 2021, 30, 572-591.	3.9	31
14	Insights from regional and shortâ€term biodiversity monitoring datasets are valuable: a reply to Daskalova et al. 2021. Insect Conservation and Diversity, 2021, 14, 144-148.	3.0	22
15	The Use of Tree-Related Microhabitats as Forest Biodiversity Indicators and to Guide Integrated Forest Management. Current Forestry Reports, 2021, 7, 59-68.	7.4	48
16	Revisiting the Functional Zoning Concept under Climate Change to Expand the Portfolio of Adaptation Options. Forests, 2021, 12, 273.	2.1	18
17	Groundwater extraction reduces tree vitality, growth and xylem hydraulic capacity in Quercus robur during and after drought events. Scientific Reports, 2021, 11, 5149.	3.3	10
18	Forest inventory-based assessments of the invasion risk of Pseudotsuga menziesii (Mirb.) Franco and Quercus rubra L. in Germany. European Journal of Forest Research, 2021, 140, 883-899.	2.5	15

#	Article	IF	Citations
19	Concerns about reported harvests in European forests. Nature, 2021, 592, E15-E17.	27.8	56
20	Tree diversity reduces the risk of bark beetle infestation for preferred conifer species, but increases the risk for less preferred hosts. Journal of Ecology, 2021, 109, 2649-2661.	4.0	20
21	Tree species mixing reduces biomass but increases length of absorptive fine roots in European forests. Journal of Ecology, 2021, 109, 2678-2691.	4.0	11
22	Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. Science Advances, 2021, 7, .	10.3	27
23	Growth resistance and resilience of mixed silver fir and Norway spruce forests in central Europe: Contrasting responses to mild and severe droughts. Global Change Biology, 2021, 27, 4403-4419.	9.5	64
24	Tree species mixing causes a shift in fineâ€root soil exploitation strategies across European forests. Functional Ecology, 2021, 35, 1886-1902.	3.6	19
25	The significance of tree-tree interactions for forest ecosystem functioning. Basic and Applied Ecology, 2021, 55, 33-52.	2.7	38
26	Wild bees benefit from structural complexity enhancement in a forest restoration experiment. Forest Ecology and Management, 2021, 496, 119412.	3.2	16
27	A conceptual framework and experimental design for analysing the relationship between biodiversity and ecosystem functioning (BEF) in agroforestry systems. Basic and Applied Ecology, 2021, 55, 133-151.	2.7	11
28	Biodiversity response to forest management intensity, carbon stocks and net primary production in temperate montane forests. Scientific Reports, 2021, 11, 1625.	3.3	28
29	National Forest Inventories capture the multifunctionality of managed forests in Germany. Forest Ecosystems, 2021, 8, .	3.1	16
30	Species richness stabilizes productivity via asynchrony and drought-tolerance diversity in a large-scale tree biodiversity experiment. Science Advances, 2021, 7, eabk1643.	10.3	72
31	Siteâ€specific risk assessment enables tradeâ€off analysis of nonâ€native tree species in European forests. Ecology and Evolution, 2021, 11, 18089-18110.	1.9	8
32	Retention as an integrated biodiversity conservation approach for continuous-cover forestry in Europe. Ambio, 2020, 49, 85-97.	5.5	106
33	Photosynthetic performance, height growth, and dominance of naturally regenerated sessile oak (Quercus petraea [Mattuschka] Liebl.) seedlings in small-scale canopy openings of varying sizes. European Journal of Forest Research, 2020, 139, 41-52.	2.5	11
34	Risk is in the eye of the assessor: comparing risk assessments of four non-native tree species in Germany. Forestry, 2020, 93, 519-534.	2.3	16
35	Predicting Tree-Related Microhabitats by Multisensor Close-Range Remote Sensing Structural Parameters for the Selection of Retention Elements. Remote Sensing, 2020, 12, 867.	4.0	22
36	The benefits of tree wounds: Microhabitat development in urban trees as affected by intensive tree maintenance. Urban Forestry and Urban Greening, 2020, 55, 126817.	5.3	10

#	Article	IF	Citations
37	Seedling development and regeneration success after 10 years following group selection harvesting in a sessile oak (Quercus petraea [Mattuschka] Liebl.) stand. Annals of Forest Science, 2020, 77, 1.	2.0	5
38	Drivers of native species regeneration in the process of restoring natural forests from monoâ€specific, evenâ€aged tree plantations: a quantitative review. Restoration Ecology, 2020, 28, 1074-1086.	2.9	21
39	On the knowns and unknowns of natural regeneration of silviculturally managed sessile oak (Quercus petraea (Matt.) Liebl.) forestsâ€"a literature review. Annals of Forest Science, 2020, 77, 1.	2.0	29
40	Assessing Restoration Potential of Fragmented and Degraded Fagaceae Forests in Meghalaya, North-East India. Forests, 2020, 11, 1008.	2.1	5
41	Protection gaps and restoration opportunities for primary forests in Europe. Diversity and Distributions, 2020, 26, 1646-1662.	4.1	47
42	Tree-related microhabitats are similar in mountain forests of Europe and North America and their occurrence may be explained by tree functional groups. Trees - Structure and Function, 2020, 34, 1453-1466.	1.9	13
43	Retention of tree-related microhabitats is more dependent on selection of habitat trees than their spatial distribution. European Journal of Forest Research, 2020, 139, 1015-1028.	2.5	16
44	Quantifying Growth Responses of Trees to Droughtâ€"a Critique of Commonly Used Resilience Indices and Recommendations for Future Studies. Current Forestry Reports, 2020, 6, 185-200.	7.4	92
45	Evaluating the effectiveness of retention forestry to enhance biodiversity in production forests of Central Europe using an interdisciplinary, multiâ€scale approach. Ecology and Evolution, 2020, 10, 1489-1509.	1.9	56
46	What do tree-related microhabitats tell us about the abundance of forest-dwelling bats, birds, and insects?. Journal of Environmental Management, 2020, 264, 110401.	7.8	51
47	A multidisciplinary drought catalogue for southwestern Germany dating back toÂ1801. Natural Hazards and Earth System Sciences, 2020, 20, 2979-2995.	3.6	16
48	Distribution of phosphorus fractions with different plant availability in German forest soils and their relationship with common soil properties and foliar P contents. Soil, 2019, 5, 189-204.	4.9	23
49	Drivers of productivity and its temporal stability in a tropical tree diversity experiment. Global Change Biology, 2019, 25, 4257-4272.	9.5	93
50	Tree-species interactions increase light absorption and growth in Chinese subtropical mixed-species plantations. Oecologia, 2019, 191, 421-432.	2.0	22
51	The functional complex network approach to foster forest resilience to global changes. Forest Ecosystems, 2019, 6, .	3.1	167
52	The Potential of Liming to Improve Drought Tolerance of Norway Spruce [Picea abies (L.) Karst.]. Frontiers in Plant Science, 2019, 10, 382.	3.6	8
53	Groundwater Extraction in Floodplain Forests Reduces Radial Growth and Increases Summer Drought Sensitivity of Pedunculate Oak Trees (Quercus robur L.). Frontiers in Forests and Global Change, 2019, 2, .	2.3	32
54	Benefits of Mixtures on Growth Performance of Silver Fir (Abies alba) and European Beech (Fagus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Global Change, 2019, 2, .	2.3	34

#	Article	IF	Citations
55	Arthropod decline in grasslands and forests is associated with landscape-level drivers. Nature, 2019, 574, 671-674.	27.8	760
56	Ectomycorrhizal and saprotrophic soil fungal biomass are driven by different factors and vary among broadleaf and coniferous temperate forests. Soil Biology and Biochemistry, 2019, 131, 9-18.	8.8	47
57	Wood decomposition is more strongly controlled by temperature than by tree species and decomposer diversity in highly species rich subtropical forests. Oikos, 2019, 128, 701-715.	2.7	36
58	Identifying the tree species compositions that maximize ecosystem functioning in European forests. Journal of Applied Ecology, 2019, 56, 733-744.	4.0	58
59	Specialisation and diversity of multiple trophic groups are promoted by different forest features. Ecology Letters, 2019, 22, 170-180.	6.4	92
60	Using tree rings to reconstruct changes in soil P availability â€“ Results from forest fertilization trials. Dendrochronologia, 2019, 54, 11-19.	2.2	14
61	Diversification of forest management regimes secures tree microhabitats and bird abundance under climate change. Science of the Total Environment, 2019, 650, 2717-2730.	8.0	40
62	Predicting abundance and diversity of tree-related microhabitats in Central European montane forests from common forest attributes. Forest Ecology and Management, 2019, 432, 400-408.	3.2	65
63	Assessing the influence of harvesting intensities on structural diversity of forests in south-west Germany. Forest Ecosystems, 2019, 6, .	3.1	6
64	Increasing N deposition impacts neither diversity nor functions of deadwoodâ€inhabiting fungal communities, but adaptation and functional redundancy ensure ecosystem function. Environmental Microbiology, 2018, 20, 1693-1710.	3.8	26
65	Minor European broadleaved tree species are more drought-tolerant than Fagus sylvatica but not more tolerant than Quercus petraea. Forest Ecology and Management, 2018, 414, 15-27.	3.2	63
66	Stability of tree increment in relation to episodic drought in uneven-structured, mixed stands in southwestern Germany. Forest Ecology and Management, 2018, 415-416, 148-159.	3.2	25
67	A million and more trees for science. Nature Ecology and Evolution, 2018, 2, 763-766.	7.8	90
68	Disturbance intensity is a stronger driver of biomass recovery than remaining treeâ€community attributes in a managed Amazonian forest. Journal of Applied Ecology, 2018, 55, 1647-1657.	4.0	33
69	Seasonality mattersâ€”The effects of past and projected seasonal climate change on the growth of native and exotic conifer species in Central Europe. Dendrochronologia, 2018, 48, 1-9.	2.2	30
70	Know Your Neighbours: Drought Response of Norway Spruce, Silver Fir and Douglas Fir in Mixed Forests Depends on Species Identity and Diversity of Tree Neighbourhoods. Ecosystems, 2018, 21, 1215-1229.	3.4	58
71	Regional environmental conditions shape microbial community structure stronger than local forest management intensity. Forest Ecology and Management, 2018, 409, 250-259.	3.2	47
72	Community level lipid profiling of consumers as a tool for soil food web diagnostics. Methods in Ecology and Evolution, 2018, 9, 1265-1275.	5.2	16

#	Article	IF	Citations
73	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.	4.2	113
74	Tree species diversity does not compromise stem quality in major European forest types. Forest Ecology and Management, 2018, 422, 323-337.	3.2	20
75	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. Ecology Letters, 2018, 21, 31-42.	6.4	74
76	Quantifying forest structural diversity based on large-scale inventory data: a new approach to support biodiversity monitoring. Forest Ecosystems, 2018, 5, .	3.1	50
77	Multiple forest attributes underpin the supply of multiple ecosystem services. Nature Communications, 2018, 9, 4839.	12.8	182
78	Determinants of Deadwood-Inhabiting Fungal Communities in Temperate Forests: Molecular Evidence From a Large Scale Deadwood Decomposition Experiment. Frontiers in Microbiology, 2018, 9, 2120.	3.5	43
79	Impacts of species richness on productivity in a large-scale subtropical forest experiment. Science, 2018, 362, 80-83.	12.6	433
80	Where are Europeâ€™s last primary forests?. Diversity and Distributions, 2018, 24, 1426-1439.	4.1	268
81	Predictors of Microhabitat Frequency and Diversity in Mixed Mountain Forests in South-Western Germany. Forests, 2018, 9, 104.	2.1	26
82	Habitat properties are key drivers of Borrelia burgdorferi (s.l.) prevalence in Ixodes ricinus populations of deciduous forest fragments. Parasites and Vectors, 2018, 11, 23.	2.5	42
83	Nutrient retention and release in coarse woody debris of three important central European tree species and the use of NIRS to determine deadwood chemical properties. Forest Ecosystems, 2018, 5, .	3.1	29
84	Long-term development of natural regeneration in irregular, mixed stands of silver fir and Norway spruce. Forest Ecology and Management, 2018, 430, 105-116.	3.2	13
85	Tree microhabitat abundance and richness in Central European montane forests as indicators for future old growth elements. , 2018, , .		0
86	Wood decay rates of 13 temperate tree species in relation to wood properties, enzyme activities and organismic diversities. Forest Ecology and Management, 2017, 391, 86-95.	3.2	151
87	Geocentric alternatives to site index for modeling tree increment in uneven-aged mixed stands. Forest Ecology and Management, 2017, 392, 1-12.	3.2	25
88	On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystemsâ€”a study from SE China. Journal of Plant Ecology, 2017, 10, 111-127.	2.3	102
89	Silver fir and Douglas fir are more tolerant to extreme droughts than Norway spruce in southâ€western Germany. Global Change Biology, 2017, 23, 5108-5119.	9.5	183
90	Mixed-Species Forests: The Development of a Forest Management Paradigm. , 2017, , 1-25.		18

#	Article	IF	Citations
91	Perspectives for Future Research on Mixed-Species Systems. , 2017, , 579-606.		3
92	From Observations to Evidence About Effects of Mixed-Species Stands. , 2017, , 27-71.		17
93	Ecological Stability of Mixed-Species Forests. , 2017, , 337-382.		78
94	Silvicultural Options for Mixed-Species Stands. , 2017, , 433-501.		25
95	Recruitment, growth and recovery of commercial tree species over 30 years following logging and thinning in a tropical rain forest. Forest Ecology and Management, 2017, 385, 225-235.	3.2	64
96	Tree functional diversity influences belowground ecosystem functioning. Applied Soil Ecology, 2017, 120, 160-168.	4.3	27
97	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. Ecology Letters, 2017, 20, 1414-1426.	6.4	244
98	Soil phosphorus supply controls P nutrition strategies of beech forest ecosystems in Central Europe. Biogeochemistry, 2017, 136, 5-29.	3.5	171
99	Toward a methodical framework for comprehensively assessing forest multifunctionality. Ecology and Evolution, 2017, 7, 10652-10674.	1.9	41
100	Tree Diversity Drives Forest Stand Resistance to Natural Disturbances. Current Forestry Reports, 2017, 3, 223-243.	7.4	279
101	Diversity and competition influence tree allometric relationships â€“ developing functions for mixedâ€species forests. Journal of Ecology, 2017, 105, 761-774.	4.0	91
102	Lessons learned from oak cluster planting trials in central Europe. Canadian Journal of Forest Research, 2017, 47, 139-148.	1.7	43
103	Oak Group Planting Produces a Higher Number of Future Crop Trees, with Better Spatial Distribution than Row Planting. Forests, 2016, 7, 289.	2.1	8
104	Effects of Drought and Rewetting on Growth and Gas Exchange of Minor European Broadleaved Tree Species. Forests, 2016, 7, 239.	2.1	32
105	Phosphorus in forest ecosystems: New insights from an ecosystem nutrition perspective. Journal of Plant Nutrition and Soil Science, 2016, 179, 129-135.	1.9	169
106	Independence of seasonal patterns of root functional traits and rooting strategy of a grassâ€clover sward from sward age and slurry application. Grass and Forage Science, 2016, 71, 607-621.	2.9	22
107	Heavy and frequent thinning promotes drought adaptation in Pinus sylvestris forests. Ecological Applications, 2016, 26, 2190-2205.	3.8	95
108	Jack-of-all-trades effects drive biodiversityâ€“ecosystem multifunctionality relationships in European forests. Nature Communications, 2016, 7, 11109.	12.8	185

#	Article	IF	Citations
109	Effects of management on aquatic treeâ€hole communities in temperate forests are mediated by detritus amount and water chemistry. Journal of Animal Ecology, 2016, 85, 213-226.	2.8	33
110	Structural diversity promotes productivity of mixed, uneven-aged forests in southwestern Germany. Oecologia, 2016, 182, 319-333.	2.0	193
111	Potential of forest thinning to mitigate drought stress: A meta-analysis. Forest Ecology and Management, 2016, 380, 261-273.	3.2	294
112	Dynamics of fungal community composition, decomposition and resulting deadwood properties in logs of Fagus sylvatica, Picea abies and Pinus sylvestris. Forest Ecology and Management, 2016, 382, 129-142.	3.2	58
113	Are correlations between deadwood fungal community structure, wood physico-chemical properties and lignin-modifying enzymes stable across different geographical regions?. Fungal Ecology, 2016, 22, 98-105.	1.6	47
114	Patterns of laccase and peroxidases in coarse woody debris of Fagus sylvatica, Picea abies and Pinus sylvestris and their relation to different wood parameters. European Journal of Forest Research, 2016, 135, 109-124.	2.5	24
115	A Review of Processes Behind Diversityâ€"Productivity Relationships in Forests. Current Forestry Reports, 2016, 2, 45-61.	7.4	339
116	Biotic homogenization can decrease landscape-scale forest multifunctionality. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3557-3562.	7.1	196
117	Linking molecular deadwood-inhabiting fungal diversity and community dynamics to ecosystem functions and processes in Central European forests. Fungal Diversity, 2016, 77, 367-379.	12.3	140
118	Tree Species Richness Promotes Invertebrate Herbivory on Congeneric Native and Exotic Tree Saplings in a Young Diversity Experiment. PLoS ONE, 2016, 11, e0168751.	2.5	34
119	A pyrosequencing insight into sprawling bacterial diversity and community dynamics in decaying deadwood logs of Fagus sylvatica and Picea abies. Scientific Reports, 2015, 5, 9456.	3.3	101
120	Drivers of CO2 Emission Rates from Dead Wood Logs of 13 Tree Species in the Initial Decomposition Phase. Forests, 2015, 6, 2484-2504.	2.1	40
121	Use of near-infrared spectroscopy to assess phosphorus fractions of different plant availability in forest soils. Biogeosciences, 2015, 12, 3415-3428.	3.3	41
122	Root system development in naturally regenerated Douglas-fir saplings as influenced by canopy closure. Journal of Forest Science, 2015, 61, 406-415.	1.1	3
123	Effects of different harvesting intensities on the macro nutrient pools in aged oak coppice forests. Forest Ecology and Management, 2015, 349, 94-105.	3.2	24
124	Silvicultural alternatives to conventional even-aged forest management - what limits global adoption?. Forest Ecosystems, 2015, 2, .	3.1	243
125	Decomposition dynamics of coarse woody debris of three important central European tree species. Forest Ecosystems, 2015, 2, .	3.1	65
126	Medium-term dynamics of tree species composition in response to silvicultural intervention intensities in a tropical rain forest. Biological Conservation, 2015, 191, 577-586.	4.1	54

#	Article	IF	Citations
127	Forest restoration with Betula ssp. and Populus ssp. nurse crops increases productivity and soil fertility. Forest Ecology and Management, 2015, 339, 57-70.	3.2	24
128	Intra- and inter-specific differences in crown architecture in Chinese subtropical mixed-species forests. Forest Ecology and Management, 2015, 353, 164-172.	3.2	27
129	Is continuous-cover silviculture, as practised in Bavaria, suitable for use in wet eucalypt forests in Tasmania, Australia?. Australian Forestry, 2015, 78, 29-44.	0.9	1
130	Effect of Climate-Adapted Forest Management on Carbon Pools and Greenhouse Gas Emissions. Current Forestry Reports, 2015, 1, 1-7.	7.4	29
131	Modelling discoloration and duration of branch occlusion following green pruning in Acer pseudoplatanus and Fraxinus excelsior. Forest Ecology and Management, 2015, 335, 87-98.	3.2	17
132	Root system development in naturally regenerated Douglas-fir saplings as influenced by canopy closure and crowding. Journal of Forest Science, 2015, 61, 406-415.	1.1	1
133	Network Analysis Reveals Ecological Links between N-Fixing Bacteria and Wood-Decaying Fungi. PLoS ONE, 2014, 9, e88141.	2.5	129
134	Suitability of close-to-nature silviculture for adapting temperate European forests to climate change. Forestry, 2014, 87, 492-503.	2.3	277
135	Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical <scp>C</scp>hina. Methods in Ecology and Evolution, 2014, 5, 74-89.	5.2	232
136	Criteria to evaluate the conservation value of strictly protected forest reserves in Central Europe. Biodiversity and Conservation, 2014, 23, 3519-3542.	2.6	21
137	A comparative study of physiological and morphological seedling traits associated with shade tolerance in introduced red oak (Quercus rubra) and native hardwood tree species in southwestern Germany. Tree Physiology, 2014, 34, 184-193.	3.1	30
138	Comparing fungal richness and community composition in coarse woody debris in Central European beech forests under three types of management. Mycological Progress, 2014, 13, 959-964.	1.4	31
139	Intra- and interspecific competition differently influence growth and stem quality of young oaks (Quercus robur L. and Quercus petraea (Mattuschka) Liebl.). Annals of Forest Science, 2014, 71, 381-393.	2.0	38
140	Changes within a single land-use category alter microbial diversity and community structure: Molecular evidence from wood-inhabiting fungi in forest ecosystems. Journal of Environmental Management, 2014, 139, 109-119.	7.8	61
141	Unthinned slow-growing ponderosa pine (Pinus ponderosa) trees contain muted isotopic signals in tree rings as compared to thinned trees. Trees - Structure and Function, 2014, 28, 1035-1051.	1.9	20
142	The importance of seed trees in the dioecious coniferPilgerodendron uviferumfor passive restoration of fire disturbed southern bog forests. Austral Ecology, 2014, 39, 204-213.	1.5	18
143	Predicting Tree Species Origin of Soil Organic Carbon with Nearâ€Infrared Reflectance Spectroscopy. Soil Science Society of America Journal, 2014, 78, S23.	2.2	3
144	Growth, regeneration and shade tolerance of the Wild Service Tree (Sorbus torminalis (L.) Crantz) in aged oak coppice forests. Trees - Structure and Function, 2013, 27, 1609-1619.	1.9	21

#	Article	IF	Citations
145	Crown structure and vertical foliage distribution in 4-year-old plantation-grown Eucalyptus pilularis and Eucalyptus cloeziana. Trees - Structure and Function, 2013, 27, 555-566.	1.9	15
146	Establishment success in a forest biodiversity and ecosystem functioning experiment in subtropical China (BEF-China). European Journal of Forest Research, 2013, 132, 593-606.	2.5	135
147	Complementarity in mixed-species stands of Abies alba and Picea abies varies with climate, site quality and stand density. Forest Ecology and Management, 2013, 304, 233-242.	3.2	148
148	Regeneration dynamics of non-native northern red oak (Quercus rubra L.) populations as influenced by environmental factors: A case study in managed hardwood forests of southwestern Germany. Forest Ecology and Management, 2013, 291, 144-153.	3.2	77
149	Storm damage of Douglas-fir unexpectedly high compared to Norway spruce. Annals of Forest Science, 2013, 70, 195-207.	2.0	40
150	Mitigation of drought by thinning: Short-term and long-term effects on growth and physiological performance of Norway spruce (Picea abies). Forest Ecology and Management, 2013, 308, 188-197.	3.2	126
151	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. Perspectives in Plant Ecology, Evolution and Systematics, 2013, 15, 281-291.	2.7	179
152	The effect of harvesting on stump mortality and re-sprouting in aged oak coppice forests. Forest Ecology and Management, 2013, 289, 18-27.	3.2	34
153	Many ways to die â€“ partitioning tree mortality dynamics in a nearâ€natural mixed deciduous forest. Journal of Ecology, 2013, 101, 220-230.	4.0	106
154	Soil Organic Carbon is Increased in Mixed-Species Plantations of Eucalyptus and Nitrogen-Fixing Acacia. Ecosystems, 2013, 16, 123-132.	3.4	82
155	Growth and form of Quercus robur and Fraxinus excelsior respond distinctly different to initial growing space: results from 24-year-old Nelder experiments. Journal of Forestry Research, 2013, 24, 1-14.	3.6	43
156	Effects of moisture, temperature and decomposition stage on respirational carbon loss from coarse woody debris (CWD) of important European tree species. Scandinavian Journal of Forest Research, 2013, 28, 346-357.	1.4	71
157	The influence of site quality on timing of pruning inEucalyptus pilularisandEucalyptus cloezianaplantations. Australian Forestry, 2013, 76, 25-36.	0.9	12
158	The Importance of Microtopography and Nurse Canopy for Successful Restoration Planting of the Slow-Growing Conifer Pilgerodendron uviferum. Forests, 2013, 4, 85-103.	2.1	13
159	Changes in Whole-Tree Water Use Following Live-Crown Pruning in Young Plantation-Grown Eucalyptus pilularis and Eucalyptus cloeziana. Forests, 2013, 4, 106-121.	2.1	17
160	Tree Species Richness and Stand Productivity in Low-Density Cluster Plantings with Oaks (Quercus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	28
161	Allometries for Widely Spaced Populus ssp. and Betula ssp. in Nurse Crop Systems. Forests, 2013, 4, 1003-1031.	2.1	13
162	Interactions of thinning and stem height on the drought response of radial stem growth and isotopic composition of Norway spruce (Picea abies). Tree Physiology, 2012, 32, 1199-1213.	3.1	38

#	Article	IF	Citations
163	Root system response of naturally regenerated Douglas-fir (Pseudotsuga menziesii) after complete overstory removal. Canadian Journal of Forest Research, 2012, 42, 1858-1864.	1.7	6
164	A major shift to the retention approach for forestry can help resolve some global forest sustainability issues. Conservation Letters, 2012, 5, 421-431.	5.7	328
165	Dissolved organic carbon from European beech logs: Patterns of input to and retention by surface soil. Ecoscience, 2012, 19, 364-373.	1.4	49
166	Retention Forestry to Maintain Multifunctional Forests: A World Perspective. BioScience, 2012, 62, 633-645.	4.9	633
167	Persistence of the Slow Growing Conifer Pilgerodendron uviferum in Old-Growth and Fire-Disturbed Southern Bog Forests. Ecosystems, 2012, 15, 1158-1172.	3.4	13
168	Belowground facilitation and competition in young tree species mixtures. Forest Ecology and Management, 2012, 265, 191-200.	3.2	57
169	Growth and quality of young oaks (Quercus robur and Quercus petraea) grown in cluster plantings in central Europe: A weighted meta-analysis. Forest Ecology and Management, 2012, 283, 106-118.	3.2	53
170	Biomass equations for sessile oak (Quercus petraea (Matt.) Liebl.) and hornbeam (Carpinus betulus L.) in aged coppiced forests in southwest Germany. Biomass and Bioenergy, 2012, 46, 722-730.	5.7	35
171	The effect of tree species diversity on fine-root production in a young temperate forest. Oecologia, 2012, 169, 1105-1115.	2.0	79
172	How does silviculture affect storm damage in forests of south-western Germany? Results from empirical modeling based on long-term observations. European Journal of Forest Research, 2012, 131, 229-247.	2.5	123
173	Wind effects on trees. European Journal of Forest Research, 2012, 131, 159-163.	2.5	45
174	Effects of nurse-tree crop species and density on nutrient and water availability to underplanted Toona ciliata in northeastern Argentina. Canadian Journal of Forest Research, 2011, 41, 1754-1768.	1.7	6
175	Community assembly during secondary forest succession in a Chinese subtropical forest. Ecological Monographs, 2011, 81, 25-41.	5.4	222
176	Effects of fire frequency on prescribed fire behaviour and soil temperatures in dry dipterocarp forests. International Journal of Wildland Fire, 2011, 20, 35.	2.4	19
177	Challenges for biodiversity research in Europe. Procedia, Social and Behavioral Sciences, 2011, 13, 83-100.	0.5	8
178	Can drought tolerance of Norway spruce (Picea abies (L.) Karst.) be increased through thinning?. European Journal of Forest Research, 2010, 129, 1109-1118.	2.5	109
179	Use of near-infrared reflectance spectroscopy to predict species composition in tree fine-root mixtures. Plant and Soil, 2010, 333, 93-103.	3.7	33
180	Assessment of the species composition of forest floor horizons in mixed spruce-beech stands by Near Infrared Reflectance Spectroscopy (NIRS). Soil Biology and Biochemistry, 2010, 42, 1347-1354.	8.8	10

#	Article	IF	Citations
181	The influence of mixed tree plantations on the nutrition of individual species: a review. Tree Physiology, 2010, 30, 1192-1208.	3.1	306
182	Trade-offs among establishment success, stem morphology and productivity of underplanted Toona ciliata: Effects of nurse-species and thinning density. Forest Ecology and Management, 2010, 259, 1846-1855.	3.2	11
183	Plant traits and wood fates across the globe: rotted, burned, or consumed?. Global Change Biology, 2009, 15, 2431-2449.	9.5	318
184	An examination of stocking and early growth in the Warra silvicultural systems trial confirms the importance of a burnt seedbed for vigorous regeneration in Eucalyptus obliqua forest. Forest Ecology and Management, 2009, 258, 481-494.	3.2	41
185	Silviculture for old-growth attributes. Forest Ecology and Management, 2009, 258, 525-537.	3.2	483
186	Individual-tree growth dynamics of mature Abies alba during repeated irregular group shelterwood (Femelschlag) cuttings. Canadian Journal of Forest Research, 2009, 39, 2437-2449.	1.7	31
187	Rooting Patterns of Old-Growth Forests: is Aboveground Structural and Functional Diversity Mirrored Belowground?. Ecological Studies, 2009, , 211-229.	1.2	7
188	Photosynthetic response to green crown pruning in young plantation-grown Eucalyptus pilularis and E. cloeziana. Forest Ecology and Management, 2008, 255, 3827-3838.	3.2	25
189	Nutrient losses through prescribed burning of aboveground litter and understorey in dry dipterocarp forests of different fire history. Catena, 2008, 74, 321-332.	5.0	41
190	Comparison of methods to quantify respirational carbon loss of coarse woody debris. Canadian Journal of Forest Research, 2008, 38, 2738-2745.	1.7	20
191	Growth response following green crown pruning in plantation-grown Eucalyptus pilularis and Eucalyptus cloeziana. Canadian Journal of Forest Research, 2008, 38, 770-781.	1.7	39
192	Does the addition of litter from N-fixing Acacia mearnsii accelerate leaf decomposition of Eucalyptus globulus?. Australian Journal of Botany, 2007, 55, 576.	0.6	25
193	Assessing nitrogen fixation in mixed- and single-species plantations of Eucalyptus globulus and Acacia mearnsii. Tree Physiology, 2007, 27, 1319-1328.	3.1	69
194	Effects of initial planting density on branch development in 4-year-old plantation grown Eucalyptus pilularis and Eucalyptus cloeziana trees. Forest Ecology and Management, 2007, 252, 41-51.	3.2	57
195	Mixed-species plantations of Eucalyptus with nitrogen-fixing trees: A review. Forest Ecology and Management, 2006, 233, 211-230.	3.2	417
196	Carbon allocation in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. Forest Ecology and Management, 2006, 233, 275-284.	3.2	96
197	Fauna-habitat relationships: a basis for identifying key stand structural attributes in temperate Australian eucalypt forests and woodlands. Pacific Conservation Biology, 2006, 12, 89.	1.0	94
198	Role of Light Fraction Soil Organic Matter in the Phosphorus Nutrition of Eucalyptus globulus Seedlings. Plant and Soil, 2006, 280, 127-134.	3.7	16

#	Article	IF	Citations
199	Effects of Changing the Supply of Nitrogen and Phosphorus on Growth and Interactions between Eucalyptus globulus and Acacia mearnsiin a Pot trial. Plant and Soil, 2006, 280, 267-277.	3.7	35
200	On the success and failure of mixed-species tree plantations: lessons learned from a model system of Eucalyptus globulus and Acacia mearnsii. Forest Ecology and Management, 2005, 209, 147-155.	3.2	124
201	Carbon and nitrogen in forest soils: Potential indicators for sustainable management of eucalypt forests in south-eastern Australia. Forest Ecology and Management, 2005, 220, 75-87.	3.2	40
202	Forest and woodland stand structural complexity: Its definition and measurement. Forest Ecology and Management, 2005, 218, 1-24.	3.2	614
203	Nutrient cycling in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. Canadian Journal of Forest Research, 2005, 35, 2942-2950.	1.7	77
204	The effects of gaps and liming on forest floor decomposition and soil C and N dynamics in a Fagus sylvatica forest. Canadian Journal of Forest Research, 2004, 34, 509-518.	1.7	53
205	Aboveground interactions and productivity in mixed-species plantations of Acacia mearnsii and Eucalyptus globulus. Canadian Journal of Forest Research, 2004, 34, 686-694.	1.7	120
206	Growth dynamics in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. Forest Ecology and Management, 2004, 193, 81-95.	3.2	154
207	Estimating fine-root biomass and production of boreal and cool temperate forests using aboveground measurements: A new approach. Plant and Soil, 2004, 265, 31-46.	3.7	74
208	Density loss and respiration rates in coarse woody debris of Pinus radiata, Eucalyptus regnans and Eucalyptus maculata. Soil Biology and Biochemistry, 2003, 35, 177-186.	8.8	79
209	Decomposition rates of coarse woody debrisâ€"A review with particular emphasis on Australian tree species. Australian Journal of Botany, 2003, 51, 27.	0.6	226
210	Competition in thinned Silvertop Ash (Eucalyptus sieberi L. Johnson) stands from early coppice growth. Forest Ecology and Management, 2003, 174, 459-475.	3.2	23
211	Does soil heterogeneity and compaction in ingrowth-cores affect growth and morphology of black spruce fine-roots?. Communications in Soil Science and Plant Analysis, 2002, 33, 1027-1037.	1.4	4
212	Stand structure and tree growth in uneven-aged spotted gum (Corymbia maculata) forests: some implications for management. Forestry, 2002, 75, 451-456.	2.3	9
213	Is soil carbon a useful indicator of sustainable forest soil management?â€"a case study from native eucalypt forests of south-eastern Australia. Forest Ecology and Management, 2002, 171, 59-74.	3.2	46
214	Near infrared spectroscopy of forest soils to determine chemical and biological properties related to soil sustainability. Forest Ecology and Management, 2002, 171, 121-132.	3.2	114
215	Effects of management practices on ecosystem processes in European beech forests. , 2002, , 109-165.		4
216	Composition, structure, light attenuation and nutrient content of the understorey vegetation in a Eucalyptus sieberi regrowth stand 6 years after thinning and fertilisation. Forest Ecology and Management, 2001, 144, 275-286.	3.2	47

#	Article	IF	Citations
217	The effect of seed trees on regrowth development in a mixed-species eucalypt forest. Australian Forestry, 2000, 63, 293-296.	0.9	5
218	Dynamics of carbon and nitrogen mineralization in relation to stand type, stand age and soil texture in the boreal mixedwood. Soil Biology and Biochemistry, 2000, 32, 1079-1090.	8.8	226
219	Aboveground and belowground interactions in mixed plantations of Eucalyptus globulus and Acacia mearnsii. Canadian Journal of Forest Research, 2000, 30, 1886-1894.	1.7	118
220	Aboveground and belowground interactions in mixed plantations of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i>. Canadian Journal of Forest Research, 2000, 30, 1886-1894.	1.7	25
221	Evaluation of Fine Root Length and Diameter Measurements Obtained Using RHIZO Image Analysis. Agronomy Journal, 1999, 91, 142-147.	1.8	96
222	Silvicultural practices in Australian native State forestsâ€"An introduction. Australian Forestry, 1999, 62, 217-222.	0.9	12
223	Soil exploitation strategies of fine roots in different tree species of the southern boreal forest of eastern Canada. Canadian Journal of Forest Research, 1999, 29, 260-273.	1.7	94
224	Soil eÃ—ploitation strategies of fine roots in different tree species of the southern boreal forest of eastern Canada. Canadian Journal of Forest Research, 1999, 29, 260-273.	1.7	121
225	Effects of tree species, stand age and soil type on soil microbial biomass and its activity in a southern boreal forest. Soil Biology and Biochemistry, 1998, 30, 1077-1089.	8.8	272
226	Does the abscission of fine roots lead to immobilization of nitrogen in microbial biomass during in situ soil nitrogen mineralization measurements?. Communications in Soil Science and Plant Analysis, 1998, 29, 1007-1022.	1.4	4
227	C and N mineralization in an acid forest soil along a gap-stand gradient. Soil Biology and Biochemistry, 1996, 28, 923-932.	8.8	48
228	Effect of the inhibitors nitrapyrin and sodium chlorate on nitrification and N2O formation in an acid forest soil. Biology and Fertility of Soils, 1996, 22, 318-325.	4.3	31
229	Fine-root growth in beech (Fagussylvatica) forest gaps. Canadian Journal of Forest Research, 1996, 26, 2153-2159.	1.7	91
230	Effect of the inhibitors nitrapyrin and sodium chlorate on nitrification and N2O formation in an acid forest soil. Biology and Fertility of Soils, 1996, 22, 318-325.	4.3	4
231	Mechanisms for carbon and nutrient release and retention in beech forest gaps. Plant and Soil, 1995, 168-169, 579-584.	3.7	69
232	Mechanisms for carbon and nutrient release and retention in beech forest gaps. Plant and Soil, 1995, 168-169, 585-592.	3.7	68
233	Mechanisms for carbon and nutrient release and retention in beech forest gaps. , 1995, , 585-592.		5
234	Carbon and nitrogen turnover in two acid forest soils of southeast Australia as affected by phosphorus addition and drying and rewetting cycles. Biology and Fertility of Soils, 1994, 17, 212-218.	4.3	46

#	Article	IF	Citations
235	Potential use of plant residue wastes in forests of northwestern Germany. Forest Ecology and Management, 1994, 66, 87-106.	3.2	8
236	The effect of fire on carbon and nitrogen mineralization and nitrification in an Australian forest soil. Soil Research, 1993, 31, 621.	1.1	72
237	The relevance of different soil phosphorus fractions for short-term tree nutrition: results from a mesocosm bioassay. Forestry, 0, , .	2.3	3
238	An index of forest management intensity based on assessment of harvested tree volume, tree species composition and dead wood origin. Nature Conservation, 0, 7, 15-27.	0.0	80
239	Routledge Handbook of Forest Ecology. , 0, , .		42