JÃ¼rgen Bauhus

List of Publications by Year
in descending order

239 papers	18,021 citations	12330 69 h-index	17592 121 g-index
260 all docs	260 docs citations	260 times ranked	13369 citing authors

#	Article	IF	Citations
1	Arthropod decline in grasslands and forests is associated with landscape-level drivers. Nature, 2019, 574, 671-674.	27.8	760
2	Retention Forestry to Maintain Multifunctional Forests: A World Perspective. BioScience, 2012, 62, 633-645.	4.9	633
3	Forest and woodland stand structural complexity: Its definition and measurement. Forest Ecology and Management, 2005, 218, 1-24.	3.2	614
4	Silviculture for old-growth attributes. Forest Ecology and Management, 2009, 258, 525-537.	3.2	483
5	Impacts of species richness on productivity in a large-scale subtropical forest experiment. Science, 2018, 362, 80-83.	12.6	433
6	Mixed-species plantations of Eucalyptus with nitrogen-fixing trees: A review. Forest Ecology and Management, 2006, 233, 211-230.	3.2	417
7	A Review of Processes Behind Diversityâ€"Productivity Relationships in Forests. Current Forestry Reports, 2016, 2, 45-61.	7.4	339
8	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
9	Plant traits and wood fates across the globe: rotted, burned, or consumed?. Global Change Biology, 2009, 15, 2431-2449.	9.5	318
10	The influence of mixed tree plantations on the nutrition of individual species: a review. Tree Physiology, 2010, 30, 1192-1208.	3.1	306
11	Potential of forest thinning to mitigate drought stress: A meta-analysis. Forest Ecology and Management, 2016, 380, 261-273.	3.2	294
12	Tree Diversity Drives Forest Stand Resistance to Natural Disturbances. Current Forestry Reports, 2017, 3, 223-243.	7.4	279
13	Suitability of close-to-nature silviculture for adapting temperate European forests to climate change. Forestry, 2014, 87, 492-503.	2.3	277
14	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
15	Where are Europeâ€™s last primary forests?. Diversity and Distributions, 2018, 24, 1426-1439.	4.1	268
16	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. Ecology Letters, 2017, 20, 1414-1426.	6.4	244
17	Silvicultural alternatives to conventional even-aged forest management - what limits global adoption?. Forest Ecosystems, 2015, 2, .	3.1	243
18	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

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19	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
20	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
21	Community assembly during secondary forest succession in a Chinese subtropical forest. Ecological Monographs, 2011, 81, 25-41.	5.4	222
22	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
23	Structural diversity promotes productivity of mixed, uneven-aged forests in southwestern Germany. Oecologia, 2016, 182, 319-333.	2.0	193
24	Jack-of-all-trades effects drive biodiversityâ€"ecosystem multifunctionality relationships in European forests. Nature Communications, 2016, 7, 11109.	12.8	185
25	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
26	Multiple forest attributes underpin the supply of multiple ecosystem services. Nature Communications, 2018, 9, 4839.	12.8	182
27	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
28	Soil phosphorus supply controls P nutrition strategies of beech forest ecosystems in Central Europe. Biogeochemistry, 2017, 136, 5-29.	3.5	171
29	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
30	The functional complex network approach to foster forest resilience to global changes. Forest Ecosystems, 2019, 6, .	3.1	167
31	Growth dynamics in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. Forest Ecology and Management, 2004, 193, 81-95.	3.2	154
32	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
33	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
34	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
35	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
36	Network Analysis Reveals Ecological Links between N-Fixing Bacteria and Wood-Decaying Fungi. PLoS ONE, 2014, 9, e88141.	2.5	129

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37	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
38	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
39	For the sake of resilience and multifunctionality, let's diversify planted forests!. Conservation Letters, 2022, 15, e12829.	5.7	124
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Retention as an integrated biodiversity conservation approach for continuous-cover forestry in Europe. Ambio, 2020, 49, 85-97.	5.5	106
49	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
50	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
51	Evaluation of Fine Root Length and Diameter Measurements Obtained Using RHIZO Image Analysis. Agronomy Journal, 1999, 91, 142-147.	1.8	96
52	Carbon allocation in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. Forest Ecology and Management, 2006, 233, 275-284.	3.2	96
53	Heavy and frequent thinning promotes drought adaptation in Pinus sylvestris forests. Ecological Applications, 2016, 26, 2190-2205.	3.8	95
54	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

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55	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
56	Drivers of productivity and its temporal stability in a tropical tree diversity experiment. Global Change Biology, 2019, 25, 4257-4272.	9.5	93
57	Specialisation and diversity of multiple trophic groups are promoted by different forest features. Ecology Letters, 2019, 22, 170-180.	6.4	92
58	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
59	Fine-root growth in beech (Fagus sylvatica) forest gaps. Canadian Journal of Forest Research, 1996, 26, 2153-2159.	1.7	91
60	Diversity and competition influence tree allometric relationships â€“ developing functions for mixedâ€species forests. Journal of Ecology, 2017, 105, 761-774.	4.0	91
61	A million and more trees for science. Nature Ecology and Evolution, 2018, 2, 763-766.	7.8	90
62	Soil Organic Carbon is Increased in Mixed-Species Plantations of Eucalyptus and Nitrogen-Fixing Acacia. Ecosystems, 2013, 16, 123-132.	3.4	82
63	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
64	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
65	The effect of tree species diversity on fine-root production in a young temperate forest. Oecologia, 2012, 169, 1105-1115.	2.0	79
66	Ecological Stability of Mixed-Species Forests. , 2017, , 337-382.		78
67	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
68	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
69	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
70	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. Ecology Letters, 2018, 21, 31-42.	6.4	74
71	The effect of fire on carbon and nitrogen mineralization and nitrification in an Australian forest soil. Soil Research, 1993, 31, 621.	1.1	72
72	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

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73	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
74	Mechanisms for carbon and nutrient release and retention in beech forest gaps. Plant and Soil, 1995, 168-169, 579-584.	3.7	69
75	Assessing nitrogen fixation in mixed- and single-species plantations of Eucalyptus globulus and Acacia mearnsii. Tree Physiology, 2007, 27, 1319-1328.	3.1	69
76	Mechanisms for carbon and nutrient release and retention in beech forest gaps. Plant and Soil, 1995, 168-169, 585-592.	3.7	68
77	Decomposition dynamics of coarse woody debris of three important central European tree species. Forest Ecosystems, 2015, 2, .	3.1	65
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	Identifying the tree species compositions that maximize ecosystem functioning in European forests. Journal of Applied Ecology, 2019, 56, 733-744.	4.0	58
86	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
87	Belowground facilitation and competition in young tree species mixtures. Forest Ecology and Management, 2012, 265, 191-200.	3.2	57
88	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
89	Concerns about reported harvests in European forests. Nature, 2021, 592, E15-E17.	27.8	56
90	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

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91	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
92	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
93	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
94	Quantifying forest structural diversity based on large-scale inventory data: a new approach to support biodiversity monitoring. Forest Ecosystems, 2018, 5, .	3.1	50
95	Dissolved organic carbon from European beech logs: Patterns of input to and retention by surface soil. Ecoscience, 2012, 19, 364-373.	1.4	49
96	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
97	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
98	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
99	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
100	Regional environmental conditions shape microbial community structure stronger than local forest management intensity. Forest Ecology and Management, 2018, 409, 250-259.	3.2	47
101	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
102	Protection gaps and restoration opportunities for primary forests in Europe. Diversity and Distributions, 2020, 26, 1646-1662.	4.1	47
103	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
104	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
105	Wind effects on trees. European Journal of Forest Research, 2012, 131, 159-163.	2.5	45
106	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
107	Lessons learned from oak cluster planting trials in central Europe. Canadian Journal of Forest Research, 2017, 47, 139-148.	1.7	43
108	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

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109	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
110	Routledge Handbook of Forest Ecology. , 0, , .		42
111	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
112	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
113	Use of near-infrared spectroscopy to assess phosphorus fractions of different plant availability in forest soils. Biogeosciences, 2015, 12, 3415-3428.	3.3	41
114	Toward a methodical framework for comprehensively assessing forest multifunctionality. Ecology and Evolution, 2017, 7, 10652-10674.	1.9	41
115	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
116	Storm damage of Douglas-fir unexpectedly high compared to Norway spruce. Annals of Forest Science, 2013, 70, 195-207.	2.0	40
117	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
118	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
119	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
120	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
121	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
122	The significance of tree-tree interactions for forest ecosystem functioning. Basic and Applied Ecology, 2021, 55, 33-52.	2.7	38
123	Mutually inclusive mechanisms of droughtâ€induced tree mortality. Global Change Biology, 2022, 28, 3365-3378.	9.5	37
124	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
125	Effects of Changing the Supply of Nitrogen and Phosphorus on Growth and Interactions between Eucalyptus globulus and Acacia mearnsiiin a Pot trial. Plant and Soil, 2006, 280, 267-277.	3.7	35
126	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

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127	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
128	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
129	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
130	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
131	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
132	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
133	Effects of Drought and Rewetting on Growth and Gas Exchange of Minor European Broadleaved Tree Species. Forests, 2016, 7, 239.	2.1	32
134	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
135	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
136	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
137	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
138	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
139	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
140	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
141	Effect of Climate-Adapted Forest Management on Carbon Pools and Greenhouse Gas Emissions. Current Forestry Reports, 2015, 1, 1-7.	7.4	29
142	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
143	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
144	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

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145	Biodiversity response to forest management intensity, carbon stocks and net primary production in temperate montane forests. Scientific Reports, 2021, 11, 1625.	3.3	28
146	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
147	Tree functional diversity influences belowground ecosystem functioning. Applied Soil Ecology, 2017, 120, 160-168.	4.3	27
148	Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. Science Advances, 2021, 7, .	10.3	27
149	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
150	Predictors of Microhabitat Frequency and Diversity in Mixed Mountain Forests in South-Western Germany. Forests, 2018, 9, 104.	2.1	26
151	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
152	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
153	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
154	Silvicultural Options for Mixed-Species Stands. , 2017, , 433-501.		25
155	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
156	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
157	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
158	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
159	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
160	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
161	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
162	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

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163	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
164	Tree-species interactions increase light absorption and growth in Chinese subtropical mixed-species plantations. Oecologia, 2019, 191, 421-432.	2.0	22
165	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
166	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
167	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
168	Criteria to evaluate the conservation value of strictly protected forest reserves in Central Europe. Biodiversity and Conservation, 2014, 23, 3519-3542.	2.6	21
169	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
170	Comparison of methods to quantify respirational carbon loss of coarse woody debris. Canadian Journal of Forest Research, 2008, 38, 2738-2745.	1.7	20
171	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
172	Tree species diversity does not compromise stem quality in major European forest types. Forest Ecology and Management, 2018, 422, 323-337.	3.2	20
173	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
174	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
175	Tree species mixing causes a shift in fineâ€root soil exploitation strategies across European forests. Functional Ecology, 2021, 35, 1886-1902.	3.6	19
176	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
177	Mixed-Species Forests: The Development of a Forest Management Paradigm. , 2017, , 1-25.		18
178	Revisiting the Functional Zoning Concept under Climate Change to Expand the Portfolio of Adaptation Options. Forests, 2021, 12, 273.	2.1	18
179	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
180	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

#	Article	IF	Citations
181	From Observations to Evidence About Effects of Mixed-Species Stands. , 2017, , 27-71.		17
182	Management alters droughtâ€induced mortality patterns in European beech (Fagus sylvatica L.) forests. Plant Biology, 2022, 24, 1157-1170.	3.8	17
183	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
184	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
185	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
186	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
187	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
188	Wild bees benefit from structural complexity enhancement in a forest restoration experiment. Forest Ecology and Management, 2021, 496, 119412.	3.2	16
189	National Forest Inventories capture the multifunctionality of managed forests in Germany. Forest Ecosystems, 2021, 8, .	3.1	16
190	A multidisciplinary drought catalogue for southwestern Germany dating back toÂ1801. Natural Hazards and Earth System Sciences, 2020, 20, 2979-2995.	3.6	16
191	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
192	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
193	Using tree rings to reconstruct changes in soil P availability â€“ Results from forest fertilization trials. Dendrochronologia, 2019, 54, 11-19.	2.2	14
194	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
195	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
196	Allometries for Widely Spaced Populus ssp. and Betula ssp. in Nurse Crop Systems. Forests, 2013, 4, 1003-1031.	2.1	13
197	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
198	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

#	Article	IF	Citations
199	Silvicultural practices in Australian native State forestsâ€"An introduction. Australian Forestry, 1999, 62, 217-222.	0.9	12
200	The influence of site quality on timing of pruning inEucalyptus pilularisandEucalyptus cloezianaplantations. Australian Forestry, 2013, 76, 25-36.	0.9	12
201	Climate affects neighbourâ€induced changes in leaf chemical defences and tree diversityâ€"herbivory relationships. Functional Ecology, 2021, 35, 67-81.	3.6	12
202	Examination of aboveground attributes to predict belowground biomass of young trees. Forest Ecology and Management, 2022, 505, 119942.	3.2	12
203	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
204	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
205	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
206	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
207	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
208	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
209	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
210	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
211	Potential use of plant residue wastes in forests of northwestern Germany. Forest Ecology and Management, 1994, 66, 87-106.	3.2	8
212	Challenges for biodiversity research in Europe. Procedia, Social and Behavioral Sciences, 2011, 13, 83-100.	0.5	8
213	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
214	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
215	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
216	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

#	Article	IF	Citations
217	Rooting Patterns of Old-Growth Forests: is Aboveground Structural and Functional Diversity Mirrored Belowground?. Ecological Studies, 2009, , 211-229.	1.2	7
218	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
219	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
220	Assessing the influence of harvesting intensities on structural diversity of forests in south-west Germany. Forest Ecosystems, 2019, 6, .	3.1	6
221	The effect of seed trees on regrowth development in a mixed-species eucalypt forest. Australian Forestry, 2000, 63, 293-296.	0.9	5
222	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
223	Assessing Restoration Potential of Fragmented and Degraded Fagaceae Forests in Meghalaya, North-East India. Forests, 2020, 11, 1008.	2.1	5
224	Mechanisms for carbon and nutrient release and retention in beech forest gaps. , 1995, , 585-592.		5
225	Calibration of Near-Infrared Spectra for Phosphorus Fractions in Grassland Soils on the Tibetan Plateau. Agronomy, 2022, 12, 783.	3.0	5
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	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
228	Effects of management practices on ecosystem processes in European beech forests. , 2002, , 109-165.		4
229	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
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	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
232	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
233	The relevance of different soil phosphorus fractions for short-term tree nutrition: results from a mesocosm bioassay. Forestry, 0, , .	2.3	3
234	Perspectives for Future Research on Mixed-Species Systems. , 2017, , 579-606.		3

#	Article	IF	Citations
235	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
236	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
237	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
238	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
239	Tree microhabitat abundance and richness in Central European montane forests as indicators for future old growth elements. , 2018, , .		0