

Jürgen Bauhus

List of Publications by Year in descending order

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240
papers

18,021
citations

12407

69
h-index

17195

122
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. <i>Nature</i> , 2019, 574, 671-674.	28.1	760
2	Retention Forestry to Maintain Multifunctional Forests: A World Perspective. <i>BioScience</i> , 2012, 62, 633-645.	5.0	633
3	Forest and woodland stand structural complexity: Its definition and measurement. <i>Forest Ecology and Management</i> , 2005, 218, 1-24.	3.3	614
4	Silviculture for old-growth attributes. <i>Forest Ecology and Management</i> , 2009, 258, 525-537.	3.3	483
5	Impacts of species richness on productivity in a large-scale subtropical forest experiment. <i>Science</i> , 2018, 362, 80-83.	12.8	433
6	Mixed-species plantations of Eucalyptus with nitrogen-fixing trees: A review. <i>Forest Ecology and Management</i> , 2006, 233, 211-230.	3.3	417
7	A Review of Processes Behind Diversity-Productivity Relationships in Forests. <i>Current Forestry Reports</i> , 2016, 2, 45-61.	7.1	339
8	A major shift to the retention approach for forestry can help resolve some global forest sustainability issues. <i>Conservation Letters</i> , 2012, 5, 421-431.	5.8	328
9	Plant traits and wood fates across the globe: rotted, burned, or consumed?. <i>Global Change Biology</i> , 2009, 15, 2431-2449.	9.6	318
10	The influence of mixed tree plantations on the nutrition of individual species: a review. <i>Tree Physiology</i> , 2010, 30, 1192-1208.	3.2	306
11	Potential of forest thinning to mitigate drought stress: A meta-analysis. <i>Forest Ecology and Management</i> , 2016, 380, 261-273.	3.3	294
12	Tree Diversity Drives Forest Stand Resistance to Natural Disturbances. <i>Current Forestry Reports</i> , 2017, 3, 223-243.	7.1	279
13	Suitability of close-to-nature silviculture for adapting temperate European forests to climate change. <i>Forestry</i> , 2014, 87, 492-503.	2.4	277
14	Effects of tree species, stand age and soil type on soil microbial biomass and its activity in a southern boreal forest. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1077-1089.	8.9	272
15	Where are Europe's last primary forests?. <i>Diversity and Distributions</i> , 2018, 24, 1426-1439.	4.2	268
16	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , 2017, 20, 1414-1426.	6.5	244
17	Silvicultural alternatives to conventional even-aged forest management - what limits global adoption?. <i>Forest Ecosystems</i> , 2015, 2, .	3.1	243
18	Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical China. <i>Methods in Ecology and Evolution</i> , 2014, 5, 74-89.	5.3	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. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1079-1090.	8.9	226
20	Decomposition rates of coarse woody debris – A review with particular emphasis on Australian tree species. <i>Australian Journal of Botany</i> , 2003, 51, 27.	0.7	226
21	Community assembly during secondary forest succession in a Chinese subtropical forest. <i>Ecological Monographs</i> , 2011, 81, 25-41.	5.3	222
22	Biotic homogenization can decrease landscape-scale forest multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3557-3562.	7.2	196
23	Structural diversity promotes productivity of mixed, uneven-aged forests in southwestern Germany. <i>Oecologia</i> , 2016, 182, 319-333.	2.1	193
24	Jack-of-all-trades effects drive biodiversity – ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , 2016, 7, 11109.	13.0	185
25	Silver fir and Douglas fir are more tolerant to extreme droughts than Norway spruce in southwestern Germany. <i>Global Change Biology</i> , 2017, 23, 5108-5119.	9.6	183
26	Multiple forest attributes underpin the supply of multiple ecosystem services. <i>Nature Communications</i> , 2018, 9, 4839.	13.0	182
27	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 281-291.	2.8	179
28	Soil phosphorus supply controls P nutrition strategies of beech forest ecosystems in Central Europe. <i>Biogeochemistry</i> , 2017, 136, 5-29.	3.5	171
29	Phosphorus in forest ecosystems: New insights from an ecosystem nutrition perspective. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 129-135.	2.0	169
30	The functional complex network approach to foster forest resilience to global changes. <i>Forest Ecosystems</i> , 2019, 6, .	3.1	167
31	Growth dynamics in a mixed-species plantation of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> . <i>Forest Ecology and Management</i> , 2004, 193, 81-95.	3.3	154
32	Wood decay rates of 13 temperate tree species in relation to wood properties, enzyme activities and organismic diversities. <i>Forest Ecology and Management</i> , 2017, 391, 86-95.	3.3	151
33	Complementarity in mixed-species stands of <i>Abies alba</i> and <i>Picea abies</i> varies with climate, site quality and stand density. <i>Forest Ecology and Management</i> , 2013, 304, 233-242.	3.3	148
34	Linking molecular deadwood-inhabiting fungal diversity and community dynamics to ecosystem functions and processes in Central European forests. <i>Fungal Diversity</i> , 2016, 77, 367-379.	12.5	140
35	Establishment success in a forest biodiversity and ecosystem functioning experiment in subtropical China (BEF-China). <i>European Journal of Forest Research</i> , 2013, 132, 593-606.	2.5	135
36	Network Analysis Reveals Ecological Links between N-Fixing Bacteria and Wood-Decaying Fungi. <i>PLoS ONE</i> , 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 (<i>Picea abies</i>). <i>Forest Ecology and Management</i> , 2013, 308, 188-197.	3.3	126
38	On the success and failure of mixed-species tree plantations: lessons learned from a model system of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> . <i>Forest Ecology and Management</i> , 2005, 209, 147-155.	3.3	124
39	For the sake of resilience and multifunctionality, let's diversify planted forests!. <i>Conservation Letters</i> , 2022, 15, e12829.	5.8	124
40	How does silviculture affect storm damage in forests of south-western Germany? Results from empirical modeling based on long-term observations. <i>European Journal of Forest Research</i> , 2012, 131, 229-247.	2.5	123
41	Soil exploitation strategies of fine roots in different tree species of the southern boreal forest of eastern Canada. <i>Canadian Journal of Forest Research</i> , 1999, 29, 260-273.	1.7	121
42	Aboveground interactions and productivity in mixed-species plantations of <i>Acacia mearnsii</i> and <i>Eucalyptus globulus</i> . <i>Canadian Journal of Forest Research</i> , 2004, 34, 686-694.	1.7	120
43	Aboveground and belowground interactions in mixed plantations of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> . <i>Canadian Journal of Forest Research</i> , 2000, 30, 1886-1894.	1.7	118
44	Near infrared spectroscopy of forest soils to determine chemical and biological properties related to soil sustainability. <i>Forest Ecology and Management</i> , 2002, 171, 121-132.	3.3	114
45	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.	4.2	113
46	Can drought tolerance of Norway spruce (<i>Picea abies</i> (L.) Karst.) be increased through thinning?. <i>European Journal of Forest Research</i> , 2010, 129, 1109-1118.	2.5	109
47	Many ways to die – partitioning tree mortality dynamics in a near-natural mixed deciduous forest. <i>Journal of Ecology</i> , 2013, 101, 220-230.	4.1	106
48	Retention as an integrated biodiversity conservation approach for continuous-cover forestry in Europe. <i>Ambio</i> , 2020, 49, 85-97.	5.5	106
49	On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystems—a study from SE China. <i>Journal of Plant Ecology</i> , 2017, 10, 111-127.	2.4	102
50	A pyrosequencing insight into sprawling bacterial diversity and community dynamics in decaying deadwood logs of <i>Fagus sylvatica</i> and <i>Picea abies</i> . <i>Scientific Reports</i> , 2015, 5, 9456.	3.4	101
51	Evaluation of Fine Root Length and Diameter Measurements Obtained Using RHIZO Image Analysis. <i>Agronomy Journal</i> , 1999, 91, 142-147.	1.8	96
52	Carbon allocation in a mixed-species plantation of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> . <i>Forest Ecology and Management</i> , 2006, 233, 275-284.	3.3	96
53	Heavy and frequent thinning promotes drought adaptation in <i>Pinus sylvestris</i> forests. <i>Ecological Applications</i> , 2016, 26, 2190-2205.	4.0	95
54	Soil exploitation strategies of fine roots in different tree species of the southern boreal forest of eastern Canada. <i>Canadian Journal of Forest Research</i> , 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. <i>Pacific Conservation Biology</i> , 2006, 12, 89.	1.0	94
56	Drivers of productivity and its temporal stability in a tropical tree diversity experiment. <i>Global Change Biology</i> , 2019, 25, 4257-4272.	9.6	93
57	Specialisation and diversity of multiple trophic groups are promoted by different forest features. <i>Ecology Letters</i> , 2019, 22, 170-180.	6.5	92
58	Quantifying Growth Responses of Trees to Drought – a Critique of Commonly Used Resilience Indices and Recommendations for Future Studies. <i>Current Forestry Reports</i> , 2020, 6, 185-200.	7.1	92
59	Fine-root growth in beech (<i>Fagus sylvatica</i>) forest gaps. <i>Canadian Journal of Forest Research</i> , 1996, 26, 2153-2159.	1.7	91
60	Diversity and competition influence tree allometric relationships – developing functions for mixed-species forests. <i>Journal of Ecology</i> , 2017, 105, 761-774.	4.1	91
61	A million and more trees for science. <i>Nature Ecology and Evolution</i> , 2018, 2, 763-766.	7.9	90
62	Soil Organic Carbon is Increased in Mixed-Species Plantations of Eucalyptus and Nitrogen-Fixing Acacia. <i>Ecosystems</i> , 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. <i>Nature Conservation</i> , 0, 7, 15-27.	0.0	80
64	Density loss and respiration rates in coarse woody debris of <i>Pinus radiata</i> , <i>Eucalyptus regnans</i> and <i>Eucalyptus maculata</i> . <i>Soil Biology and Biochemistry</i> , 2003, 35, 177-186.	8.9	79
65	The effect of tree species diversity on fine-root production in a young temperate forest. <i>Oecologia</i> , 2012, 169, 1105-1115.	2.1	79
66	Ecological Stability of Mixed-Species Forests. , 2017, , 337-382.		78
67	Nutrient cycling in a mixed-species plantation of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> . <i>Canadian Journal of Forest Research</i> , 2005, 35, 2942-2950.	1.7	77
68	Regeneration dynamics of non-native northern red oak (<i>Quercus rubra</i> L.) populations as influenced by environmental factors: A case study in managed hardwood forests of southwestern Germany. <i>Forest Ecology and Management</i> , 2013, 291, 144-153.	3.3	77
69	Estimating fine-root biomass and production of boreal and cool temperate forests using aboveground measurements: A new approach. <i>Plant and Soil</i> , 2004, 265, 31-46.	3.7	74
70	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , 2018, 21, 31-42.	6.5	74
71	The effect of fire on carbon and nitrogen mineralization and nitrification in an Australian forest soil. <i>Soil Research</i> , 1993, 31, 621.	1.2	72
72	Species richness stabilizes productivity via asynchrony and drought-tolerance diversity in a large-scale tree biodiversity experiment. <i>Science Advances</i> , 2021, 7, eabk1643.	10.5	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. <i>Scandinavian Journal of Forest Research</i> , 2013, 28, 346-357.	1.5	71
74	Mechanisms for carbon and nutrient release and retention in beech forest gaps. <i>Plant and Soil</i> , 1995, 168-169, 579-584.	3.7	69
75	Assessing nitrogen fixation in mixed- and single-species plantations of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> . <i>Tree Physiology</i> , 2007, 27, 1319-1328.	3.2	69
76	Mechanisms for carbon and nutrient release and retention in beech forest gaps. <i>Plant and Soil</i> , 1995, 168-169, 585-592.	3.7	68
77	Decomposition dynamics of coarse woody debris of three important central European tree species. <i>Forest Ecosystems</i> , 2015, 2, .	3.1	65
78	Predicting abundance and diversity of tree-related microhabitats in Central European montane forests from common forest attributes. <i>Forest Ecology and Management</i> , 2019, 432, 400-408.	3.3	65
79	Recruitment, growth and recovery of commercial tree species over 30 years following logging and thinning in a tropical rain forest. <i>Forest Ecology and Management</i> , 2017, 385, 225-235.	3.3	64
80	Growth resistance and resilience of mixed silver fir and Norway spruce forests in central Europe: Contrasting responses to mild and severe droughts. <i>Global Change Biology</i> , 2021, 27, 4403-4419.	9.6	64
81	Minor European broadleaved tree species are more drought-tolerant than <i>Fagus sylvatica</i> but not more tolerant than <i>Quercus petraea</i> . <i>Forest Ecology and Management</i> , 2018, 414, 15-27.	3.3	63
82	Changes within a single land-use category alter microbial diversity and community structure: Molecular evidence from wood-inhabiting fungi in forest ecosystems. <i>Journal of Environmental Management</i> , 2014, 139, 109-119.	7.9	61
83	Dynamics of fungal community composition, decomposition and resulting deadwood properties in logs of <i>Fagus sylvatica</i> , <i>Picea abies</i> and <i>Pinus sylvestris</i> . <i>Forest Ecology and Management</i> , 2016, 382, 129-142.	3.3	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. <i>Ecosystems</i> , 2018, 21, 1215-1229.	3.4	58
85	Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , 2019, 56, 733-744.	4.0	58
86	Effects of initial planting density on branch development in 4-year-old plantation grown <i>Eucalyptus pilularis</i> and <i>Eucalyptus cloeziana</i> trees. <i>Forest Ecology and Management</i> , 2007, 252, 41-51.	3.3	57
87	Belowground facilitation and competition in young tree species mixtures. <i>Forest Ecology and Management</i> , 2012, 265, 191-200.	3.3	57
88	Evaluating the effectiveness of retention forestry to enhance biodiversity in production forests of Central Europe using an interdisciplinary, multi-scale approach. <i>Ecology and Evolution</i> , 2020, 10, 1489-1509.	1.9	56
89	Concerns about reported harvests in European forests. <i>Nature</i> , 2021, 592, E15-E17.	28.1	56
90	Medium-term dynamics of tree species composition in response to silvicultural intervention intensities in a tropical rain forest. <i>Biological Conservation</i> , 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 <i>Fagus sylvatica</i> forest. <i>Canadian Journal of Forest Research</i> , 2004, 34, 509-518.	1.7	53
92	Growth and quality of young oaks (<i>Quercus robur</i> and <i>Quercus petraea</i>) grown in cluster plantings in central Europe: A weighted meta-analysis. <i>Forest Ecology and Management</i> , 2012, 283, 106-118.	3.3	53
93	What do tree-related microhabitats tell us about the abundance of forest-dwelling bats, birds, and insects?. <i>Journal of Environmental Management</i> , 2020, 264, 110401.	7.9	51
94	Quantifying forest structural diversity based on large-scale inventory data: a new approach to support biodiversity monitoring. <i>Forest Ecosystems</i> , 2018, 5, .	3.1	50
95	Dissolved organic carbon from European beech logs: Patterns of input to and retention by surface soil. <i>Ecoscience</i> , 2012, 19, 364-373.	1.3	49
96	C and N mineralization in an acid forest soil along a gap-stand gradient. <i>Soil Biology and Biochemistry</i> , 1996, 28, 923-932.	8.9	48
97	The Use of Tree-Related Microhabitats as Forest Biodiversity Indicators and to Guide Integrated Forest Management. <i>Current Forestry Reports</i> , 2021, 7, 59-68.	7.1	48
98	Composition, structure, light attenuation and nutrient content of the understorey vegetation in a <i>Eucalyptus sieberi</i> regrowth stand 6 years after thinning and fertilisation. <i>Forest Ecology and Management</i> , 2001, 144, 275-286.	3.3	47
99	Are correlations between deadwood fungal community structure, wood physico-chemical properties and lignin-modifying enzymes stable across different geographical regions?. <i>Fungal Ecology</i> , 2016, 22, 98-105.	1.6	47
100	Regional environmental conditions shape microbial community structure stronger than local forest management intensity. <i>Forest Ecology and Management</i> , 2018, 409, 250-259.	3.3	47
101	Ectomycorrhizal and saprotrophic soil fungal biomass are driven by different factors and vary among broadleaf and coniferous temperate forests. <i>Soil Biology and Biochemistry</i> , 2019, 131, 9-18.	8.9	47
102	Protection gaps and restoration opportunities for primary forests in Europe. <i>Diversity and Distributions</i> , 2020, 26, 1646-1662.	4.2	47
103	Carbon and nitrogen turnover in two acid forest soils of southeast Australia as affected by phosphorus addition and drying and rewetting cycles. <i>Biology and Fertility of Soils</i> , 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. <i>Forest Ecology and Management</i> , 2002, 171, 59-74.	3.3	46
105	Wind effects on trees. <i>European Journal of Forest Research</i> , 2012, 131, 159-163.	2.5	45
106	Growth and form of <i>Quercus robur</i> and <i>Fraxinus excelsior</i> respond distinctly different to initial growing space: results from 24-year-old Nelder experiments. <i>Journal of Forestry Research</i> , 2013, 24, 1-14.	3.6	43
107	Lessons learned from oak cluster planting trials in central Europe. <i>Canadian Journal of Forest Research</i> , 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. <i>Frontiers in Microbiology</i> , 2018, 9, 2120.	3.5	43

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109	Habitat properties are key drivers of <i>Borrelia burgdorferi</i> (s.l.) prevalence in <i>Ixodes ricinus</i> populations of deciduous forest fragments. <i>Parasites and Vectors</i> , 2018, 11, 23.	2.6	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. <i>Catena</i> , 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 <i>Eucalyptus obliqua</i> forest. <i>Forest Ecology and Management</i> , 2009, 258, 481-494.	3.3	41
113	Use of near-infrared spectroscopy to assess phosphorus fractions of different plant availability in forest soils. <i>Biogeosciences</i> , 2015, 12, 3415-3428.	3.4	41
114	Toward a methodical framework for comprehensively assessing forest multifunctionality. <i>Ecology and Evolution</i> , 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. <i>Forest Ecology and Management</i> , 2005, 220, 75-87.	3.3	40
116	Storm damage of Douglas-fir unexpectedly high compared to Norway spruce. <i>Annals of Forest Science</i> , 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. <i>Forests</i> , 2015, 6, 2484-2504.	2.1	40
118	Diversification of forest management regimes secures tree microhabitats and bird abundance under climate change. <i>Science of the Total Environment</i> , 2019, 650, 2717-2730.	8.1	40
119	Growth response following green crown pruning in plantation-grown <i>Eucalyptus pilularis</i> and <i>Eucalyptus cloeziana</i> . <i>Canadian Journal of Forest Research</i> , 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 (<i>Picea abies</i>). <i>Tree Physiology</i> , 2012, 32, 1199-1213.	3.2	38
121	Intra- and interspecific competition differently influence growth and stem quality of young oaks (<i>Quercus robur</i> L. and <i>Quercus petraea</i> (Mattuschka) Liebl.). <i>Annals of Forest Science</i> , 2014, 71, 381-393.	2.0	38
122	The significance of tree-tree interactions for forest ecosystem functioning. <i>Basic and Applied Ecology</i> , 2021, 55, 33-52.	2.7	38
123	Mutually inclusive mechanisms of drought-induced tree mortality. <i>Global Change Biology</i> , 2022, 28, 3365-3378.	9.6	37
124	Wood decomposition is more strongly controlled by temperature than by tree species and decomposer diversity in highly species rich subtropical forests. <i>Oikos</i> , 2019, 128, 701-715.	2.7	36
125	Effects of Changing the Supply of Nitrogen and Phosphorus on Growth and Interactions between <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i> in a Pot trial. <i>Plant and Soil</i> , 2006, 280, 267-277.	3.7	35
126	Biomass equations for sessile oak (<i>Quercus petraea</i> (Matt.) Liebl.) and hornbeam (<i>Carpinus betulus</i> L.) in aged coppiced forests in southwest Germany. <i>Biomass and Bioenergy</i> , 2012, 46, 722-730.	5.8	35

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127	The effect of harvesting on stump mortality and re-sprouting in aged oak coppice forests. <i>Forest Ecology and Management</i> , 2013, 289, 18-27.	3.3	34
128	Benefits of Mixtures on Growth Performance of Silver Fir (<i>Abies alba</i>) and European Beech (<i>Fagus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Global Change</i> , 2019, 2, .	2.4	34
129	Tree Species Richness Promotes Invertebrate Herbivory on Congeneric Native and Exotic Tree Saplings in a Young Diversity Experiment. <i>PLoS ONE</i> , 2016, 11, e0168751.	2.5	34
130	Use of near-infrared reflectance spectroscopy to predict species composition in tree fine-root mixtures. <i>Plant and Soil</i> , 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. <i>Journal of Animal Ecology</i> , 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. <i>Journal of Applied Ecology</i> , 2018, 55, 1647-1657.	4.0	33
133	Effects of Drought and Rewetting on Growth and Gas Exchange of Minor European Broadleaved Tree Species. <i>Forests</i> , 2016, 7, 239.	2.1	32
134	Groundwater Extraction in Floodplain Forests Reduces Radial Growth and Increases Summer Drought Sensitivity of Pedunculate Oak Trees (<i>Quercus robur</i> L.). <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.4	32
135	Effect of the inhibitors nitrapyrin and sodium chlorate on nitrification and N2O formation in an acid forest soil. <i>Biology and Fertility of Soils</i> , 1996, 22, 318-325.	4.3	31
136	Individual-tree growth dynamics of mature <i>Abies alba</i> during repeated irregular group shelterwood (Femelschlag) cuttings. <i>Canadian Journal of Forest Research</i> , 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. <i>Mycological Progress</i> , 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. <i>Molecular Ecology</i> , 2021, 30, 572-591.	4.0	31
139	A comparative study of physiological and morphological seedling traits associated with shade tolerance in introduced red oak (<i>Quercus rubra</i>) and native hardwood tree species in southwestern Germany. <i>Tree Physiology</i> , 2014, 34, 184-193.	3.2	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. <i>Dendrochronologia</i> , 2018, 48, 1-9.	2.2	30
141	Effect of Climate-Adapted Forest Management on Carbon Pools and Greenhouse Gas Emissions. <i>Current Forestry Reports</i> , 2015, 1, 1-7.	7.1	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. <i>Forest Ecosystems</i> , 2018, 5, .	3.1	29
143	On the knowns and unknowns of natural regeneration of silviculturally managed sessile oak (<i>Quercus petraea</i> (Matt.) Liebl.) forestsâ€a literature review. <i>Annals of Forest Science</i> , 2020, 77, 1.	2.0	29
144	Tree Species Richness and Stand Productivity in Low-Density Cluster Plantings with Oaks (<i>Quercus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	28

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145	Biodiversity response to forest management intensity, carbon stocks and net primary production in temperate montane forests. <i>Scientific Reports</i> , 2021, 11, 1625.	3.4	28
146	Intra- and inter-specific differences in crown architecture in Chinese subtropical mixed-species forests. <i>Forest Ecology and Management</i> , 2015, 353, 164-172.	3.3	27
147	Tree functional diversity influences belowground ecosystem functioning. <i>Applied Soil Ecology</i> , 2017, 120, 160-168.	4.4	27
148	Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. <i>Science Advances</i> , 2021, 7, .	10.5	27
149	Increasing N deposition impacts neither diversity nor functions of deadwood-inhabiting fungal communities, but adaptation and functional redundancy ensure ecosystem function. <i>Environmental Microbiology</i> , 2018, 20, 1693-1710.	3.8	26
150	Predictors of Microhabitat Frequency and Diversity in Mixed Mountain Forests in South-Western Germany. <i>Forests</i> , 2018, 9, 104.	2.1	26
151	Does the addition of litter from N-fixing <i>Acacia mearnsii</i> accelerate leaf decomposition of <i>Eucalyptus globulus</i> ?. <i>Australian Journal of Botany</i> , 2007, 55, 576.	0.7	25
152	Photosynthetic response to green crown pruning in young plantation-grown <i>Eucalyptus pilularis</i> and <i>E. cloeziana</i> . <i>Forest Ecology and Management</i> , 2008, 255, 3827-3838.	3.3	25
153	Geocentric alternatives to site index for modeling tree increment in uneven-aged mixed stands. <i>Forest Ecology and Management</i> , 2017, 392, 1-12.	3.3	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. <i>Forest Ecology and Management</i> , 2018, 415-416, 148-159.	3.3	25
156	Aboveground and belowground interactions in mixed plantations of <i>Eucalyptus globulus</i> and <i>Acacia mearnsii</i>. <i>Canadian Journal of Forest Research</i> , 2000, 30, 1886-1894.	1.7	25
157	Effects of different harvesting intensities on the macro nutrient pools in aged oak coppice forests. <i>Forest Ecology and Management</i> , 2015, 349, 94-105.	3.3	24
158	Forest restoration with <i>Betula</i> ssp. and <i>Populus</i> ssp. nurse crops increases productivity and soil fertility. <i>Forest Ecology and Management</i> , 2015, 339, 57-70.	3.3	24
159	Patterns of laccase and peroxidases in coarse woody debris of <i>Fagus sylvatica</i> , <i>Picea abies</i> and <i>Pinus sylvestris</i> and their relation to different wood parameters. <i>European Journal of Forest Research</i> , 2016, 135, 109-124.	2.5	24
160	Synergies and trade-offs in ecosystem services from urban and peri-urban forests and their implication to sustainable city design and planning. <i>Sustainable Cities and Society</i> , 2022, 82, 103903.	10.4	24
161	Competition in thinned Silvertop Ash (<i>Eucalyptus sieberi</i> L. Johnson) stands from early coppice growth. <i>Forest Ecology and Management</i> , 2003, 174, 459-475.	3.3	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. <i>Soil</i> , 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 grass clover sward from sward age and slurry application. <i>Grass and Forage Science</i> , 2016, 71, 607-621.	2.9	22
164	Tree-species interactions increase light absorption and growth in Chinese subtropical mixed-species plantations. <i>Oecologia</i> , 2019, 191, 421-432.	2.1	22
165	Predicting Tree-Related Microhabitats by Multisensor Close-Range Remote Sensing Structural Parameters for the Selection of Retention Elements. <i>Remote Sensing</i> , 2020, 12, 867.	4.0	22
166	Insights from regional and short-term biodiversity monitoring datasets are valuable: a reply to Daskalova <i>et al</i> . 2021. <i>Insect Conservation and Diversity</i> , 2021, 14, 144-148.	3.0	22
167	Growth, regeneration and shade tolerance of the Wild Service Tree (<i>Sorbus torminalis</i> (L.) Crantz) in aged oak coppice forests. <i>Trees - Structure and Function</i> , 2013, 27, 1609-1619.	1.9	21
168	Criteria to evaluate the conservation value of strictly protected forest reserves in Central Europe. <i>Biodiversity and Conservation</i> , 2014, 23, 3519-3542.	2.6	21
169	Drivers of native species regeneration in the process of restoring natural forests from mono-specific, even-aged tree plantations: a quantitative review. <i>Restoration Ecology</i> , 2020, 28, 1074-1086.	2.9	21
170	Comparison of methods to quantify respirational carbon loss of coarse woody debris. <i>Canadian Journal of Forest Research</i> , 2008, 38, 2738-2745.	1.7	20
171	Unthinned slow-growing ponderosa pine (<i>Pinus ponderosa</i>) trees contain muted isotopic signals in tree rings as compared to thinned trees. <i>Trees - Structure and Function</i> , 2014, 28, 1035-1051.	1.9	20
172	Tree species diversity does not compromise stem quality in major European forest types. <i>Forest Ecology and Management</i> , 2018, 422, 323-337.	3.3	20
173	Tree diversity reduces the risk of bark beetle infestation for preferred conifer species, but increases the risk for less preferred hosts. <i>Journal of Ecology</i> , 2021, 109, 2649-2661.	4.1	20
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175	Tree species mixing causes a shift in fine-root soil exploitation strategies across European forests. <i>Functional Ecology</i> , 2021, 35, 1886-1902.	3.6	19
176	The importance of seed trees in the dioecious conifer <i>Pilgerodendron uviferum</i> for passive restoration of fire disturbed southern bog forests. <i>Austral Ecology</i> , 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. <i>Forests</i> , 2021, 12, 273.	2.1	18
179	Changes in Whole-Tree Water Use Following Live-Crown Pruning in Young Plantation-Grown <i>Eucalyptus pilularis</i> and <i>Eucalyptus cloeziana</i> . <i>Forests</i> , 2013, 4, 106-121.	2.1	17
180	Modelling discoloration and duration of branch occlusion following green pruning in <i>Acer pseudoplatanus</i> and <i>Fraxinus excelsior</i> . <i>Forest Ecology and Management</i> , 2015, 335, 87-98.	3.3	17

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182	Management alters drought-induced mortality patterns in European beech (<i>Fagus sylvatica</i> L.) forests. <i>Plant Biology</i> , 2022, 24, 1157-1170.	3.8	17
183	Role of Light Fraction Soil Organic Matter in the Phosphorus Nutrition of <i>Eucalyptus globulus</i> Seedlings. <i>Plant and Soil</i> , 2006, 280, 127-134.	3.7	16
184	Community level lipid profiling of consumers as a tool for soil food web diagnostics. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1265-1275.	5.3	16
185	Risk is in the eye of the assessor: comparing risk assessments of four non-native tree species in Germany. <i>Forestry</i> , 2020, 93, 519-534.	2.4	16
186	Retention of tree-related microhabitats is more dependent on selection of habitat trees than their spatial distribution. <i>European Journal of Forest Research</i> , 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. <i>Environmental Microbiology</i> , 2021, 23, 1889-1906.	3.8	16
188	Wild bees benefit from structural complexity enhancement in a forest restoration experiment. <i>Forest Ecology and Management</i> , 2021, 496, 119412.	3.3	16
189	National Forest Inventories capture the multifunctionality of managed forests in Germany. <i>Forest Ecosystems</i> , 2021, 8, .	3.1	16
190	A multidisciplinary drought catalogue for southwestern Germany dating back to 1801. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 2979-2995.	3.6	16
191	Crown structure and vertical foliage distribution in 4-year-old plantation-grown <i>Eucalyptus pilularis</i> and <i>Eucalyptus cloeziana</i> . <i>Trees - Structure and Function</i> , 2013, 27, 555-566.	1.9	15
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197	Long-term development of natural regeneration in irregular, mixed stands of silver fir and Norway spruce. <i>Forest Ecology and Management</i> , 2018, 430, 105-116.	3.3	13
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200	The influence of site quality on timing of pruning in <i>Eucalyptus pilularis</i> and <i>Eucalyptus cloeziana</i> plantations. <i>Australian Forestry</i> , 2013, 76, 25-36.	1.0	12
201	Climate affects neighbour-induced changes in leaf chemical defences and tree diversity—herbivory relationships. <i>Functional Ecology</i> , 2021, 35, 67-81.	3.6	12
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203	Trade-offs among establishment success, stem morphology and productivity of underplanted <i>Toona ciliata</i> : Effects of nurse-species and thinning density. <i>Forest Ecology and Management</i> , 2010, 259, 1846-1855.	3.3	11
204	Photosynthetic performance, height growth, and dominance of naturally regenerated sessile oak (<i>Quercus petraea</i> [Mattuschka] Liebl.) seedlings in small-scale canopy openings of varying sizes. <i>European Journal of Forest Research</i> , 2020, 139, 41-52.	2.5	11
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