Jrgen Bauhus

List of Publications by Citations

240 papers	12,475 citations	61 h-index	104 g-index
259 ext. papers	15,239 ext. citations	5 avg, IF	6.64 L-index

#	Paper	IF	Citations
240	Retention Forestry to Maintain Multifunctional Forests: A World Perspective. *BioScience*, **2012**, 62, 633-645	5.7	540
239	Forest and woodland stand structural complexity: Its definition and measurement. *Forest Ecology and Management*, **2005**, 218, 1-24	3.9	519
238	Silviculture for old-growth attributes. *Forest Ecology and Management*, **2009**, 258, 525-537	3.9	398
237	Arthropod decline in grasslands and forests is associated with landscape-level drivers. *Nature*, **2019**, 574, 671-674	50.4	372
236	Mixed-species plantations of Eucalyptus with nitrogen-fixing trees: A review. *Forest Ecology and Management*, **2006**, 233, 211-230	3.9	356
235	A major shift to the retention approach for forestry can help resolve some global forest sustainability issues. *Conservation Letters*, **2012**, 5, 421-431	6.9	274
234	Plant traits and wood fates across the globe: rotted, burned, or consumed?. *Global Change Biology*, **2009**, 15, 2431-2449	11.4	244
233	The influence of mixed tree plantations on the nutrition of individual species: a review. *Tree Physiology*, **2010**, 30, 1192-208	4.2	236
232	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	7.5	232
231	Impacts of species richness on productivity in a large-scale subtropical forest experiment. *Science*, **2018**, 362, 80-83	33.3	220
230	A Review of Processes Behind Diversity—Productivity Relationships in Forests. *Current Forestry Reports*, **2016**, 2, 45-61	8	210
229	Decomposition rates of coarse woody debris—A review with particular emphasis on Australian tree species. *Australian Journal of Botany*, **2003**, 51, 27	1.2	200
228	Suitability of close-to-nature silviculture for adapting temperate European forests to climate change. *Forestry*, **2014**, 87, 492-503	2.2	199
227	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	7.5	195
226	Community assembly during secondary forest succession in a Chinese subtropical forest. *Ecological Monographs*, **2011**, 81, 25-41	9	184
225	Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical China. *Methods in Ecology and Evolution*, **2014**, 5, 74-89	7.7	179
224	Potential of forest thinning to mitigate drought stress: A meta-analysis. *Forest Ecology and Management*, **2016**, 380, 261-273	3.9	178

223	Silvicultural alternatives to conventional even-aged forest management - what limits global adoption?. *Forest Ecosystems*, **2015**, 2,	3.8	177
222	Where are Europe's last primary forests?. *Diversity and Distributions*, **2018**, 24, 1426-1439	5	166
221	Tree Diversity Drives Forest Stand Resistance to Natural Disturbances. *Current Forestry Reports*, **2017**, 3, 223-243	8	151
220	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. *Ecology Letters*, **2017**, 20, 1414-1426	10	149
219	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	3	143
218	Biotic homogenization can decrease landscape-scale forest multifunctionality. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3557-62	11.5	134
217	Structural diversity promotes productivity of mixed, uneven-aged forests in southwestern Germany. *Oecologia*, **2016**, 182, 319-33	2.9	130
216	Growth dynamics in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. *Forest Ecology and Management*, **2004**, 193, 81-95	3.9	124
215	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. *Nature Communications*, **2016**, 7, 11109	17.4	120
214	Phosphorus in forest ecosystems: New insights from an ecosystem nutrition perspective. *Journal of Plant Nutrition and Soil Science*, **2016**, 179, 129-135	2.3	115
213	Silver fir and Douglas fir are more tolerant to extreme droughts than Norway spruce in south-western Germany. *Global Change Biology*, **2017**, 23, 5108-5119	11.4	114
212	Soil phosphorus supply controls P nutrition strategies of beech forest ecosystems in Central Europe. *Biogeochemistry*, **2017**, 136, 5-29	3.8	111
211	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	1.9	110
210	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	3.9	109
209	Aboveground and belowground interactions in mixed plantations of Eucalyptus globulus and Acacia mearnsii. *Canadian Journal of Forest Research*, **2000**, 30, 1886-1894	1.9	109
208	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	3.9	107
207	Near infrared spectroscopy of forest soils to determine chemical and biological properties related to soil sustainability. *Forest Ecology and Management*, **2002**, 171, 121-132	3.9	104
206	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	3.9	101

205	Establishment success in a forest biodiversity and ecosystem functioning experiment in subtropical China (BEF-China). *European Journal of Forest Research*, **2013**, 132, 593-606	2.7	99
204	Multiple forest attributes underpin the supply of multiple ecosystem services. *Nature Communications*, **2018**, 9, 4839	17.4	99
203	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	2.7	98
202	Aboveground interactions and productivity in mixed-species plantations of Acacia mearnsii and Eucalyptus globulus. *Canadian Journal of Forest Research*, **2004**, 34, 686-694	1.9	97
201	Many ways to die partitioning tree mortality dynamics in a near-natural mixed deciduous forest. *Journal of Ecology*, **2013**, 101, 220-230	6	90
200	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	3.9	86
199	The functional complex network approach to foster forest resilience to global changes. *Forest Ecosystems*, **2019**, 6,	3.8	86
198	Can drought tolerance of Norway spruce (Picea abies (L.) Karst.) be increased through thinning?. *European Journal of Forest Research*, **2010**, 129, 1109-1118	2.7	85
197	Carbon allocation in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. *Forest Ecology and Management*, **2006**, 233, 275-284	3.9	85
196	Fauna-habitat relationships: a basis for identifying key stand structural attributes in temperate Australian eucalypt forests and woodlands. *Pacific Conservation Biology*, **2006**, 12, 89	1.2	85
195	Linking molecular deadwood-inhabiting fungal diversity and community dynamics to ecosystem functions and processes in Central European forests. *Fungal Diversity*, **2016**, 77, 367-379	17.6	82
194	Network analysis reveals ecological links between N-fixing bacteria and wood-decaying fungi. *PLoS ONE*, **2014**, 9, e88141	3.7	82
193	Fine-root growth in beech (Fagussylvatica) forest gaps. *Canadian Journal of Forest Research*, **1996**, 26, 2153-2159	1.9	82
192	Evaluation of Fine Root Length and Diameter Measurements Obtained Using RHIZO Image Analysis. *Agronomy Journal*, **1999**, 91, 142-147	2.2	81
191	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	1.9	78
190	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	7.5	72
189	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	4.9	70
188	On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystems study from SE China. *Journal of Plant Ecology*, **2017**, 10, 111-127	1.7	68

187	Nutrient cycling in a mixed-species plantation of Eucalyptus globulus and Acacia mearnsii. *Canadian Journal of Forest Research*, **2005**, 35, 2942-2950	1.9	67
186	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	4.2	67
185	Diversity and competition influence tree allometric relationships □developing functions for mixed-species forests. *Journal of Ecology*, **2017**, 105, 761-774	6	66
184	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	5.9	65
183	The effect of tree species diversity on fine-root production in a young temperate forest. *Oecologia*, **2012**, 169, 1105-15	2.9	63
182	Soil Organic Carbon is Increased in Mixed-Species Plantations of Eucalyptus and Nitrogen-Fixing Acacia. *Ecosystems*, **2013**, 16, 123-132	3.9	62
181	Mechanisms for carbon and nutrient release and retention in beech forest gaps. *Plant and Soil*, **1995**, 168-169, 579-584	4.2	62
180	The effect of fire on carbon and nitrogen mineralization and nitrification in an Australian forest soil. *Soil Research*, **1993**, 31, 621	1.8	62
179	Mechanisms for carbon and nutrient release and retention in beech forest gaps. *Plant and Soil*, **1995**, 168-169, 585-592	4.2	61
178	Assessing nitrogen fixation in mixed- and single-species plantations of Eucalyptus globulus and Acacia mearnsii. *Tree Physiology*, **2007**, 27, 1319-28	4.2	59
177	An index of forest management intensity based on assessment of harvested tree volume, tree species composition and dead wood origin. *Nature Conservation*,7, 15-27		58
176	Heavy and frequent thinning promotes drought adaptation in Pinus sylvestris forests **2016**, 26, 2190-2205		57
175	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	3.9	56
174	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, 109-19	7.9	53
173	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	1.7	53
172	Belowground facilitation and competition in young tree species mixtures. *Forest Ecology and Management*, **2012**, 265, 191-200	3.9	51
171	Retention as an integrated biodiversity conservation approach for continuous-cover forestry in Europe. *Ambio*, **2020**, 49, 85-97	6.5	51
170	A million and more trees for science. *Nature Ecology and Evolution*, **2018**, 2, 763-766	12.3	49

169	Specialisation and diversity of multiple trophic groups are promoted by different forest features. *Ecology Letters*, **2019**, 22, 170-180	10	49
168	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	3.9	47
167	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. *Ecology Letters*, **2018**, 21, 31-42	10	47
166	Drivers of productivity and its temporal stability in a tropical tree diversity experiment. *Global Change Biology*, **2019**, 25, 4257-4272	11.4	46
165	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	3.9	44
164	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	3.9	44
163	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	1.9	44
162	Is soil carbon a useful indicator of sustainable forest soil management?: case study from native eucalypt forests of south-eastern Australia. *Forest Ecology and Management*, **2002**, 171, 59-74	3.9	44
161	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	3.9	44
160	C and N mineralization in an acid forest soil along a gap-stand gradient. *Soil Biology and Biochemistry*, **1996**, 28, 923-932	7.5	44
159	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	3.9	43
158	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	3.9	43
157	Decomposition dynamics of coarse woody debris of three important central European tree species. *Forest Ecosystems*, **2015**, 2,	3.8	41
156	Dissolved organic carbon from European beech logs: Patterns of input to and retention by surface soil. *Ecoscience*, **2012**, 19, 364-373	1.1	41
155	Medium-term dynamics of tree species composition in response to silvicultural intervention intensities in a tropical rain forest. *Biological Conservation*, **2015**, 191, 577-586	6.2	39
154	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	3.9	38
153	Growth response following green crown pruning in plantation-grown Eucalyptus pilularis and Eucalyptus cloeziana. *Canadian Journal of Forest Research*, **2008**, 38, 770-781	1.9	37
152	Identifying the tree species compositions that maximize ecosystem functioning in European forests. *Journal of Applied Ecology*, **2019**, 56, 733-744	5.8	35

151	Ecological Stability of Mixed-Species Forests **2017**, 337-382		34
150	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	2	34
149	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	3.9	34
148	Use of near-infrared spectroscopy to assess phosphorus fractions of different plant availability in forest soils. *Biogeosciences*, **2015**, 12, 3415-3428	4.6	33
147	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, 1199-213	4.2	33
146	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	6.1	33
145	Storm damage of Douglas-fir unexpectedly high compared to Norway spruce. *Annals of Forest Science*, **2013**, 70, 195-207	3.1	32
144	Toward a methodical framework for comprehensively assessing forest multifunctionality. *Ecology and Evolution*, **2017**, 7, 10652-10674	2.8	32
143	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	3.9	31
142	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	4.1	31
141	Drivers of CO2 Emission Rates from Dead Wood Logs of 13 Tree Species in the Initial Decomposition Phase. *Forests*, **2015**, 6, 2484-2504	2.8	31
140	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	3.1	31
139	Nutrient losses through prescribed burning of aboveground litter and understorey in dry dipterocarp forests of different fire history. *Catena*, **2008**, 74, 321-332	5.8	31
138	Quantifying forest structural diversity based on large-scale inventory data: a new approach to support biodiversity monitoring. *Forest Ecosystems*, **2018**, 5,	3.8	31
137	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	3.9	30
136	Lessons learned from oak cluster planting trials in central Europe. *Canadian Journal of Forest Research*, **2017**, 47, 139-148	1.9	30
135	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	4.2	30
134	Tree Species Richness Promotes Invertebrate Herbivory on Congeneric Native and Exotic Tree Saplings in a Young Diversity Experiment. *PLoS ONE*, **2016**, 11, e0168751	3.7	30

133	Diversification of forest management regimes secures tree microhabitats and bird abundance under climate change. *Science of the Total Environment*, **2019**, 650, 2717-2730	10.2	29
132	Regional environmental conditions shape microbial community structure stronger than local forest management intensity. *Forest Ecology and Management*, **2018**, 409, 250-259	3.9	28
131	Use of near-infrared reflectance spectroscopy to predict species composition in tree fine-root mixtures. *Plant and Soil*, **2010**, 333, 93-103	4.2	28
130	Quantifying Growth Responses of Trees to Drought□ Critique of Commonly Used Resilience Indices and Recommendations for Future Studies. *Current Forestry Reports*, **2020**, 6, 185-200	8	27
129	Evaluating the effectiveness of retention forestry to enhance biodiversity in production forests of Central Europe using an interdisciplinary, multi-scale approach. *Ecology and Evolution*, **2020**, 10, 1489-1509	2.8	27
128	The effect of harvesting on stump mortality and re-sprouting in aged oak coppice forests. *Forest Ecology and Management*, **2013**, 289, 18-27	3.9	27
127	Individual-tree growth dynamics of mature Abies alba during repeated irregular group shelterwood (Femelschlag) cuttings. *Canadian Journal of Forest Research*, **2009**, 39, 2437-2449	1.9	27
126	Routledge Handbook of Forest Ecology		27
125	What do tree-related microhabitats tell us about the abundance of forest-dwelling bats, birds, and insects?. *Journal of Environmental Management*, **2020**, 264, 110401	7.9	26
124	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	5.3	26
123	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	4	25
122	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	6.1	25
121	Determinants of Deadwood-Inhabiting Fungal Communities in Temperate Forests: Molecular Evidence From a Large Scale Deadwood Decomposition Experiment. *Frontiers in Microbiology*, **2018**, 9, 2120	5.7	25
120	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	1.9	24
119	Does the addition of litter from N-fixing Acacia mearnsii accelerate leaf decomposition of Eucalyptus globulus?. *Australian Journal of Botany*, **2007**, 55, 576	1.2	24
118	Protection gaps and restoration opportunities for primary forests in Europe. *Diversity and Distributions*, **2020**, 26, 1646-1662	5	24
117	Intra- and inter-specific differences in crown architecture in Chinese subtropical mixed-species forests. *Forest Ecology and Management*, **2015**, 353, 164-172	3.9	23
116	Disturbance intensity is a stronger driver of biomass recovery than remaining tree-community attributes in a managed Amazonian forest. *Journal of Applied Ecology*, **2018**, 55, 1647-1657	5.8	23

115	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, 184-93	4.2	23
114	Photosynthetic response to green crown pruning in young plantation-grown Eucalyptus pilularis and E. cloeziana. *Forest Ecology and Management*, **2008**, 255, 3827-3838	3.9	23
113	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	7.5	23
112	Tree Species Richness and Stand Productivity in Low-Density Cluster Plantings with Oaks (Quercus robur L. and Q. petraea (Mattuschka) Liebl.). *Forests*, **2013**, 4, 650-665	2.8	21
111	Competition in thinned Silvertop Ash (Eucalyptus sieberi L. Johnson) stands from early coppice growth. *Forest Ecology and Management*, **2003**, 174, 459-475	3.9	21
110	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,	3.7	20
109	Effects of different harvesting intensities on the macro nutrient pools in aged oak coppice forests. *Forest Ecology and Management*, **2015**, 349, 94-105	3.9	20
108	Silvicultural Options for Mixed-Species Stands **2017**, 433-501		19
107	Seasonality matters 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	2.8	19
106	Comparison of methods to quantify respirational carbon loss of coarse woody debris. *Canadian Journal of Forest Research*, **2008**, 38, 2738-2745	1.9	19
105	Effects of management on aquatic tree-hole communities in temperate forests are mediated by detritus amount and water chemistry. *Journal of Animal Ecology*, **2016**, 85, 213-26	4.7	19
104	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	2.6	18
103	Geocentric alternatives to site index for modeling tree increment in uneven-aged mixed stands. *Forest Ecology and Management*, **2017**, 392, 1-12	3.9	17
102	Effect of Climate-Adapted Forest Management on Carbon Pools and Greenhouse Gas Emissions. *Current Forestry Reports*, **2015**, 1, 1-7	8	17
101	Tree species diversity does not compromise stem quality in major European forest types. *Forest Ecology and Management*, **2018**, 422, 323-337	3.9	17
100	Predictors of Microhabitat Frequency and Diversity in Mixed Mountain Forests in South-Western Germany. *Forests*, **2018**, 9, 104	2.8	17
99	Criteria to evaluate the conservation value of strictly protected forest reserves in Central Europe. *Biodiversity and Conservation*, **2014**, 23, 3519-3542	3.4	17
98	For the sake of resilience and multifunctionality, let's diversify planted forests!. *Conservation Letters*,e12829	6.9	17

97	Effects of Drought and Rewetting on Growth and Gas Exchange of Minor European Broadleaved Tree Species. *Forests*, **2016**, 7, 239	2.8	17
96	Benefits of Mixtures on Growth Performance of Silver Fir (Abies alba) and European Beech (Fagus sylvatica) Increase With Tree Size Without Reducing Drought Tolerance. *Frontiers in Forests and Global Change*, **2019**, 2,	3.7	17
95	Tree functional diversity influences belowground ecosystem functioning. *Applied Soil Ecology*, **2017** , 120, 160-168	5	16
94	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	2.7	16
93	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	2.6	16
92	Concerns about reported harvests in European forests. *Nature*, **2021**, 592, E15-E17	50.4	16
91	Independence of seasonal patterns of root functional traits and rooting strategy of a grass-clover sward from sward age and slurry application. *Grass and Forage Science*, **2016**, 71, 607-621	2.3	16
90	Tree-species interactions increase light absorption and growth in Chinese subtropical mixed-species plantations. *Oecologia*, **2019**, 191, 421-432	2.9	15
89	Modelling discoloration and duration of branch occlusion following green pruning in Acer pseudoplatanus and Fraxinus excelsior. *Forest Ecology and Management*, **2015**, 335, 87-98	3.9	15
88	Increasing N deposition impacts neither diversity nor functions of deadwood-inhabiting fungal communities, but adaptation and functional redundancy ensure ecosystem function. *Environmental Microbiology*, **2018**, 20, 1693-1710	5.2	15
87	Forest restoration with Betula ssp. and Populus ssp. nurse crops increases productivity and soil fertility. *Forest Ecology and Management*, **2015**, 339, 57-70	3.9	15
86	Effects of fire frequency on prescribed fire behaviour and soil temperatures in dry dipterocarp forests. *International Journal of Wildland Fire*, **2011**, 20, 35	3.2	15
85	Role of Light Fraction Soil Organic Matter in the Phosphorus Nutrition of Eucalyptus globulus Seedlings. *Plant and Soil*, **2006**, 280, 127-134	4.2	15
84	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	4	15
83	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	3.9	14
82	The importance of seed trees in the dioecious conifer Pilgerodendron uviferum for passive restoration of fire disturbed southern bog forests. *Austral Ecology*, **2014**, 39, 204-213	1.5	13
81	Changes in Whole-Tree Water Use Following Live-Crown Pruning in Young Plantation-Grown Eucalyptus pilularis and Eucalyptus cloeziana. *Forests*, **2013**, 4, 106-121	2.8	13
80	Persistence of the Slow Growing Conifer Pilgerodendron uviferum in Old-Growth and Fire-Disturbed Southern Bog Forests. *Ecosystems*, **2012**, 15, 1158-1172	3.9	12

79	Allometries for Widely Spaced Populus ssp. and Betula ssp. in Nurse Crop Systems. *Forests*, **2013**, 4, 1003-1031	2.8	12
78	Fungal guilds and soil functionality respond to tree community traits rather than to tree diversity in European forests. *Molecular Ecology*, **2021**, 30, 572-591	5.7	12
77	Risk is in the eye of the assessor: comparing risk assessments of four non-native tree species in Germany. *Forestry*, **2020**, 93, 519-534	2.2	11
76	From Observations to Evidence About Effects of Mixed-Species Stands **2017**, 27-71		10
75	Community level lipid profiling of consumers as a tool for soil food web diagnostics. *Methods in Ecology and Evolution*, **2018**, 9, 1265-1275	7.7	10
74	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,	3.8	10
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7	Calibration of Near-Infrared Spectra for Phosphorus Fractions in Grassland Soils on the Tibetan Plateau. *Agronomy*, **2022**, 12, 783	3.6	0
6	Site-specific risk assessment enables trade-off analysis of non-native tree species in European forests.. *Ecology and Evolution*, **2021**, 11, 18089-18110	2.8	0
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2	Tree Diversity, Initial Litter Quality, and Site Conditions Drive Early-Stage Fine-Root Decomposition in European Forests. *Ecosystems*,1	3.9	
1	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	6.1	