

Andrea Polle

List of Publications by Year in descending order

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Version: 2024-02-01

269
papers

20,965
citations

7568

77
h-index

12597

132
g-index

279
all docs

279
docs citations

279
times ranked

19271
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptional Landscape of Ectomycorrhizal Fungi and Their Host Provides Insight into N Uptake from Forest Soil. <i>MSystems</i> , 2022, 7, e0095721.	3.8	11
2	Response of Poplar Leaf Transcriptome to Changed Management and Environmental Conditions in Pure and Mixed with Black Locust Stands. <i>Forests</i> , 2022, 13, 147.	2.1	1
3	Early Effects of Fertilizer and Herbicide Reduction on Root-Associated Biota in Oil Palm Plantations. <i>Agronomy</i> , 2022, 12, 199.	3.0	4
4	Mycorrhiza-Tree-Herbivore Interactions: Alterations in Poplar Metabolome and Volatilome. <i>Metabolites</i> , 2022, 12, 93.	2.9	12
5	Multi-omics analysis of xylem sap uncovers dynamic modulation of poplar defenses by ammonium and nitrate. <i>Plant Journal</i> , 2022, 111, 282-303.	5.7	11
6	Genotypic and tissue-specific variation of <i>Populus nigra</i> transcriptome profiles in response to drought. <i>Scientific Data</i> , 2022, 9, .	5.3	0
7	Interaction between growth environment and host progeny shape fungal endophytic assemblages in transplanted <i>Fagus sylvatica</i> . <i>Fungal Ecology</i> , 2022, 60, 101175.	1.6	2
8	Wood properties and transcriptional responses of poplar hybrids in mixed cropping with the nitrogen-fixing species <i>Robinia pseudoacacia</i> . <i>Tree Physiology</i> , 2021, 41, 865-881.	3.1	3
9	Carbohydrate depletion in roots impedes phosphorus nutrition in young forest trees. <i>New Phytologist</i> , 2021, 229, 2611-2624.	7.3	19
10	Shifts in root and soil chemistry drive the assembly of belowground fungal communities in tropical land-use systems. <i>Soil Biology and Biochemistry</i> , 2021, 154, 108140.	8.8	22
11	Drought Deteriorates the N Stoichiometry of Biomass Production in European Beech Saplings Under Global Change. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	1
12	An interdisciplinary framework to describe and evaluate the functioning of forest ecosystems. <i>Basic and Applied Ecology</i> , 2021, 52, 1-14.	2.7	9
13	Volatile organic compound patterns predict fungal trophic mode and lifestyle. <i>Communications Biology</i> , 2021, 4, 673.	4.4	39
14	Phosphorus Availability Alters the Effect of Tree Girdling on the Diversity of Phosphorus Solubilizing Soil Bacterial Communities in Temperate Beech Forests. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	5
15	Phylogeny, tissue-specific expression, and activities of root-secreted purple acid phosphatases for P uptake from ATP in P starved poplar. <i>Plant Science</i> , 2021, 307, 110906.	3.6	7
16	The influence of transpiration on foliar accumulation of salt and nutrients under salinity in poplar (<i>Populus × canescens</i>). <i>PLoS ONE</i> , 2021, 16, e0253228.	2.5	11
17	Wood Formation under Severe Drought Invokes Adjustment of the Hormonal and Transcriptional Landscape in Poplar. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9899.	4.1	17
18	Tree species composition and soil properties in pure and mixed beech-conifer stands drive soil fungal communities. <i>Forest Ecology and Management</i> , 2021, 502, 119709.	3.2	15

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19	National Forest Inventories capture the multifunctionality of managed forests in Germany. <i>Forest Ecosystems</i> , 2021, 8, .	3.1	16
20	Soil Layers Matter: Vertical Stratification of Root-Associated Fungal Assemblages in Temperate Forests Reveals Differences in Habitat Colonization. <i>Microorganisms</i> , 2021, 9, 2131.	3.6	6
21	Ectomycorrhizal Fungal Strains Facilitate Cd ²⁺ Enrichment in a Woody Hyperaccumulator under Co-Existing Stress of Cadmium and Salt. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11651.	4.1	4
22	A tribute to Sally E. Smith. <i>New Phytologist</i> , 2020, 228, 397-402.	7.3	1
23	Local Responses and Systemic Induced Resistance Mediated by Ectomycorrhizal Fungi. <i>Frontiers in Plant Science</i> , 2020, 11, 590063.	3.6	43
24	Effective Defense of Aleppo Pine Against the Giant Scale Marchalina hellenica Through Ecophysiological and Metabolic Changes. <i>Frontiers in Plant Science</i> , 2020, 11, 581693.	3.6	6
25	Hybrid and Environmental Effects on Gene Expression in Poplar Clones in Pure and Mixed with Black Locust Stands. <i>Forests</i> , 2020, 11, 1075.	2.1	3
26	Legacy Effects Overshadow Tree Diversity Effects on Soil Fungal Communities in Oil Palm-Enrichment Plantations. <i>Microorganisms</i> , 2020, 8, 1577.	3.6	9
27	Soil and root nutrient chemistry structure root-associated fungal assemblages in temperate forests. <i>Environmental Microbiology</i> , 2020, 22, 3081-3095.	3.8	21
28	Ectomycorrhizal fungi induce systemic resistance against insects on a nonmycorrhizal plant in a CERK1-dependent manner. <i>New Phytologist</i> , 2020, 228, 728-740.	7.3	32
29	Root isoprene formation alters lateral root development. <i>Plant, Cell and Environment</i> , 2020, 43, 2207-2223.	5.7	21
30	Saprotrophic and Ectomycorrhizal Fungi Contribute Differentially to Organic P Mobilization in Beech-Dominated Forest Ecosystems. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	11
31	Mycorrhizal Phosphorus Efficiencies and Microbial Competition Drive Root P Uptake. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	25
32	Trade-offs between multifunctionality and profit in tropical smallholder landscapes. <i>Nature Communications</i> , 2020, 11, 1186.	12.8	156
33	Early Stage Root-Associated Fungi Show a High Temporal Turnover, but Are Independent of Beech Progeny. <i>Microorganisms</i> , 2020, 8, 210.	3.6	5
34	Differences in Root Nitrogen Uptake Between Tropical Lowland Rainforests and Oil Palm Plantations. <i>Frontiers in Plant Science</i> , 2020, 11, 92.	3.6	8
35	Competing Endogenous RNA Networks Underlying Anatomical and Physiological Characteristics of Poplar Wood in Acclimation to Low Nitrogen Availability. <i>Plant and Cell Physiology</i> , 2019, 60, 2478-2495.	3.1	26
36	Reducing Fertilizer and Avoiding Herbicides in Oil Palm Plantations—Ecological and Economic Valuations. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.3	75

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37	Physiological Responses to Abiotic and Biotic Stress in Forest Trees. <i>Forests</i> , 2019, 10, 711.	2.1	6
38	What Makes the Wood? Exploring the Molecular Mechanisms of Xylem Acclimation in Hardwoods to an Ever-Changing Environment. <i>Forests</i> , 2019, 10, 358.	2.1	17
39	Mortality of Different <i>Populus</i> Genotypes in Recently Established Mixed Short Rotation Coppice with <i>Robinia pseudoacacia</i> L.. <i>Forests</i> , 2019, 10, 410.	2.1	8
40	Abscisic acid signalling mediates biomass trade-off and allocation in poplar. <i>New Phytologist</i> , 2019, 223, 1192-1203.	7.3	32
41	Intensive tropical land use massively shifts soil fungal communities. <i>Scientific Reports</i> , 2019, 9, 3403.	3.3	86
42	Protura are unique: first evidence of specialized feeding on ectomycorrhizal fungi in soil invertebrates. <i>BMC Ecology</i> , 2019, 19, 10.	3.0	38
43	Changes in Trophic Groups of Protists With Conversion of Rainforest Into Rubber and Oil Palm Plantations. <i>Frontiers in Microbiology</i> , 2019, 10, 240.	3.5	48
44	Amelioration of nitrate uptake under salt stress by ectomycorrhiza with and without a Hartig net. <i>New Phytologist</i> , 2019, 222, 1951-1964.	7.3	38
45	Leaf litter species identity influences biochemical composition of ectomycorrhizal fungi. <i>Mycorrhiza</i> , 2019, 29, 85-96.	2.8	9
46	Specialisation and diversity of multiple trophic groups are promoted by different forest features. <i>Ecology Letters</i> , 2019, 22, 170-180.	6.4	92
47	Physiological and molecular mechanisms of heavy metal accumulation in nonmycorrhizal versus mycorrhizal plants. <i>Plant, Cell and Environment</i> , 2019, 42, 1087-1103.	5.7	113
48	Assembly processes of trophic guilds in the root microbiome of temperate forests. <i>Molecular Ecology</i> , 2019, 28, 348-364.	3.9	46
49	Photooxidative Stress in Trees. , 2019, , 199-218.		7
50	Drought effects on the tissue- and cell-specific cytokinin activity in poplar. <i>AoB PLANTS</i> , 2018, 10, plx067.	2.3	16
51	Mycorrhiza-Triggered Transcriptomic and Metabolomic Networks Impinge on Herbivore Fitness. <i>Plant Physiology</i> , 2018, 176, 2639-2656.	4.8	75
52	Dynamics of phosphorus nutrition, allocation and growth of young beech (<i>Fagus sylvatica</i> L.) trees in P-rich and P-poor forest soil. <i>Tree Physiology</i> , 2018, 38, 37-51.	3.1	51
53	Temporal variations of phosphorus uptake by soil microbial biomass and young beech trees in two forest soils with contrasting phosphorus stocks. <i>Soil Biology and Biochemistry</i> , 2018, 117, 191-202.	8.8	54
54	Cross-scale integration of mycorrhizal function. <i>New Phytologist</i> , 2018, 220, 941-946.	7.3	14

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55	Multiple forest attributes underpin the supply of multiple ecosystem services. <i>Nature Communications</i> , 2018, 9, 4839.	12.8	182
56	Genes and gene clusters related to genotype and drought-induced variation in saccharification potential, lignin content and wood anatomical traits in <i>Populus nigra</i> . <i>Tree Physiology</i> , 2018, 38, 320-339.	3.1	35
57	Ectomycorrhizal fungal diversity increases phosphorus uptake efficiency of European beech. <i>New Phytologist</i> , 2018, 220, 1200-1210.	7.3	66
58	Forest Soil Phosphorus Resources and Fertilization Affect Ectomycorrhizal Community Composition, Beech P Uptake Efficiency, and Photosynthesis. <i>Frontiers in Plant Science</i> , 2018, 9, 463.	3.6	56
59	Comparative characterization of ethanol organosolv lignin polymer from bamboo green, timber and yellow. <i>Wood Science and Technology</i> , 2018, 52, 1331-1341.	3.2	16
60	Engineering Drought Resistance in Forest Trees. <i>Frontiers in Plant Science</i> , 2018, 9, 1875.	3.6	86
61	Comparative transcriptomic analysis reveals the roles of overlapping heat-/drought-responsive genes in poplars exposed to high temperature and drought. <i>Scientific Reports</i> , 2017, 7, 43215.	3.3	72
62	Intraspecific variations in drought response and fitness traits of beech (<i>Fagus sylvatica</i> L.) seedlings from three provenances differing in annual precipitation. <i>Trees - Structure and Function</i> , 2017, 31, 1215-1225.	1.9	18
63	Phylogenetic and functional traits of ectomycorrhizal assemblages in top soil from different biogeographic regions and forest types. <i>Mycorrhiza</i> , 2017, 27, 233-245.	2.8	37
64	Changes in the fine root proteome of <i>Fagus sylvatica</i> L. trees associated with P-deficiency and amelioration of P-deficiency. <i>Journal of Proteomics</i> , 2017, 169, 33-40.	2.4	10
65	Impact of ectomycorrhizal community composition and soil treatment on inorganic nitrogen nutrition and performance of beech (<i>Fagus sylvatica</i> L.) provenances. <i>Trees - Structure and Function</i> , 2017, 31, 1891-1904.	1.9	5
66	Soil phosphorus supply controls P nutrition strategies of beech forest ecosystems in Central Europe. <i>Biogeochemistry</i> , 2017, 136, 5-29.	3.5	171
67	Beech trees fuel soil animal food webs via root-derived nitrogen. <i>Basic and Applied Ecology</i> , 2017, 22, 28-35.	2.7	11
68	Mistletoe infestation mediates alteration of the phytohormone profile and anti-oxidative metabolism in bark and wood of its host <i>Pinus sylvestris</i> . <i>Tree Physiology</i> , 2017, 37, 676-691.	3.1	23
69	Dissecting nutrient-related co-expression networks in phosphate starved poplars. <i>PLoS ONE</i> , 2017, 12, e0171958.	2.5	41
70	Root-derived carbon and nitrogen from beech and ash trees differentially fuel soil animal food webs of deciduous forests. <i>PLoS ONE</i> , 2017, 12, e0189502.	2.5	16
71	Climate Change Impairs Nitrogen Cycling in European Beech Forests. <i>PLoS ONE</i> , 2016, 11, e0158823.	2.5	42
72	Editorial: Ecological Consequences of Biodiversity and Biotechnology in Agriculture and Forestry. <i>Frontiers in Plant Science</i> , 2016, 7, 210.	3.6	3

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73	Tissue- and Cell-Specific Cytokinin Activity in <i>Populus Æ— canescens</i> Monitored by ARR5::GUS Reporter Lines in Summer and Winter. <i>Frontiers in Plant Science</i> , 2016, 7, 652.	3.6	11
74	Phosphorus in forest ecosystems: New insights from an ecosystem nutrition perspective. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 129-135.	1.9	169
75	Phenology, photosynthesis, and phosphorus in European beech (<i>Fagus sylvatica</i> L.) in two forest soils with contrasting P contents. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 151-158.	1.9	42
76	Physiological and transcriptional regulation in poplar roots and leaves during acclimation to high temperature and drought. <i>Physiologia Plantarum</i> , 2016, 157, 38-53.	5.2	29
77	Phosphorus availabilities in beech (<i>Fagus sylvatica</i> L.) forests impose habitat filtering on ectomycorrhizal communities and impact tree nutrition. <i>Soil Biology and Biochemistry</i> , 2016, 98, 127-137.	8.8	62
78	Phosphate uptake kinetics and tissue-specific transporter expression profiles in poplar (<i>Populus Æ— canescens</i>) at different phosphorus availabilities. <i>BMC Plant Biology</i> , 2016, 16, 206.	3.6	44
79	Belowground communication: impacts of volatile organic compounds (VOCs) from soil fungi on other soil-inhabiting organisms. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8651-8665.	3.6	111
80	Heavy metal accumulation and signal transduction in herbaceous and woody plants: Paving the way for enhancing phytoremediation efficiency. <i>Biotechnology Advances</i> , 2016, 34, 1131-1148.	11.7	283
81	Segregation of nitrogen use between ammonium and nitrate of ectomycorrhizas and beech trees. <i>Plant, Cell and Environment</i> , 2016, 39, 2691-2700.	5.7	34
82	Divergent habitat filtering of root and soil fungal communities in temperate beech forests. <i>Scientific Reports</i> , 2016, 6, 31439.	3.3	84
83	Biomass traits and candidate genes for bioenergy revealed through association genetics in coppiced European <i>Populus nigra</i> (L.). <i>Biotechnology for Biofuels</i> , 2016, 9, 195.	6.2	36
84	Acid and calcareous soils affect nitrogen nutrition and organic nitrogen uptake by beech seedlings (<i>Fagus sylvatica</i> L.) under drought, and their ectomycorrhizal community structure. <i>Plant and Soil</i> , 2016, 409, 143-157.	3.7	21
85	Changes in culm surface temperature with maturity of the bamboo species <i>Guadua angustifolia</i> . <i>Journal of Forestry Research</i> , 2016, 27, 419-425.	3.6	0
86	Phosphorus and nitrogen physiology of two contrasting poplar genotypes when exposed to phosphorus and/or nitrogen starvation. <i>Tree Physiology</i> , 2016, 36, 22-38.	3.1	103
87	<i>Paxillus involutus</i> -Facilitated Cd ²⁺ Influx through Plasma Membrane Ca ²⁺ -Permeable Channels Is Stimulated by H ₂ O ₂ and H ⁺ -ATPase in Ectomycorrhizal <i>Populus Æ— canescens</i> under Cadmium Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 1975.	3.6	16
88	Water consumption and biomass production of protoplast fusion lines of poplar hybrids under drought stress. <i>Frontiers in Plant Science</i> , 2015, 6, 330.	3.6	34
89	Auxin is a long-range signal that acts independently of ethylene signaling on leaf abscission in <i>Populus</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 634.	3.6	39
90	What the transcriptome does not tell Æ” proteomics and metabolomics are closer to the plantsâ€™ patho-phenotype. <i>Current Opinion in Plant Biology</i> , 2015, 26, 26-31.	7.1	124

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91	Overexpression of bacterial γ -glutamylcysteine synthetase mediates changes in cadmium influx, allocation and detoxification in poplar. <i>New Phytologist</i> , 2015, 205, 240-254.	7.3	214
92	Genetic diversity in aspen and its relation to arthropod abundance. <i>Frontiers in Plant Science</i> , 2015, 5, 806.	3.6	9
93	High rates of virus-induced gene silencing by tobacco rattle virus in <i>Populus</i> . <i>Tree Physiology</i> , 2015, 35, 1016-1029.	3.1	32
94	Ectomycorrhizal Communities on the Roots of Two Beech (<i>Fagus sylvatica</i>) Populations from Contrasting Climates Differ in Nitrogen Acquisition in a Common Environment. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5957-5967.	3.1	23
95	Impacts of earthworms on nitrogen acquisition from leaf litter by arbuscular mycorrhizal ash and ectomycorrhizal beech trees. <i>Environmental and Experimental Botany</i> , 2015, 120, 1-7.	4.2	18
96	Effects of Elevated Atmospheric CO ₂ on Microbial Community Structure at the Plant-Soil Interface of Young Beech Trees (<i>Fagus sylvatica</i> L.) Grown at Two Sites with Contrasting Climatic Conditions. <i>Microbial Ecology</i> , 2015, 69, 867-878.	2.8	19
97	Volatile signalling by sesquiterpenes from ectomycorrhizal fungi reprogrammes root architecture. <i>Nature Communications</i> , 2015, 6, 6279.	12.8	211
98	Global poplar root and leaf transcriptomes reveal links between growth and stress responses under nitrogen starvation and excess. <i>Tree Physiology</i> , 2015, 35, 1283-1302.	3.1	131
99	Isoprene emission by poplar is not important for the feeding behaviour of poplar leaf beetles. <i>BMC Plant Biology</i> , 2015, 15, 165.	3.6	20
100	On the salty side of life: molecular, physiological and anatomical adaptation and acclimation of trees to extreme habitats. <i>Plant, Cell and Environment</i> , 2015, 38, 1794-1816.	5.7	109
101	Exogenous abscisic acid alleviates zinc uptake and accumulation in <i>Populus opulus</i> – <i>canescens</i> exposed to excess zinc. <i>Plant, Cell and Environment</i> , 2015, 38, 207-223.	5.7	129
102	Degradation of Root Community Traits as Indicator for Transformation of Tropical Lowland Rain Forests into Oil Palm and Rubber Plantations. <i>PLoS ONE</i> , 2015, 10, e0138077.	2.5	36
103	Intra-specific variations in expression of stress-related genes in beech progenies are stronger than drought-induced responses. <i>Tree Physiology</i> , 2014, 34, 1348-1361.	3.1	40
104	Ectomycorrhizal identification in environmental samples of tree roots by Fourier-transform infrared (FTIR) spectroscopy. <i>Frontiers in Plant Science</i> , 2014, 5, 229.	3.6	22
105	Quantitative X-ray Elemental Imaging in Plant Materials at the Subcellular Level with a Transmission Electron Microscope: Applications and Limitations. <i>Materials</i> , 2014, 7, 3160-3175.	2.9	10
106	Nitrogen-driven stem elongation in poplar is linked with wood modification and gene clusters for stress, photosynthesis and cell wall formation. <i>BMC Plant Biology</i> , 2014, 14, 391.	3.6	41
107	Ectomycorrhizas with <i>Populus axillius involutus</i> enhance cadmium uptake and tolerance in <i>Populus opulus</i> – <i>canescens</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 627-642.	5.7	118
108	Attributing functions to ectomycorrhizal fungal identities in assemblages for nitrogen acquisition under stress. <i>ISME Journal</i> , 2014, 8, 321-330.	9.8	94

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109	Determinants of <i>Acidobacteria</i> activity inferred from the relative abundances of 16S rRNA transcripts in German grassland and forest soils. <i>Environmental Microbiology</i> , 2014, 16, 658-675.	3.8	103
110	Carbon and nitrogen fluxes between beech and their ectomycorrhizal assemblage. <i>Mycorrhiza</i> , 2014, 24, 645-650.	2.8	32
111	Poplar nutrition under drought as affected by ectomycorrhizal colonization. <i>Environmental and Experimental Botany</i> , 2014, 108, 89-98.	4.2	37
112	The role of ectomycorrhizas in heavy metal stress tolerance of host plants. <i>Environmental and Experimental Botany</i> , 2014, 108, 47-62.	4.2	125
113	Class I KNOX transcription factors promote differentiation of cambial derivatives into xylem fibers in the <i>Arabidopsis</i> hypocotyl. <i>Development (Cambridge)</i> , 2014, 141, 4311-4319.	2.5	97
114	Anatomical, physiological and transcriptional responses of two contrasting poplar genotypes to drought and rewatering. <i>Physiologia Plantarum</i> , 2014, 151, 480-494.	5.2	72
115	Salt tolerance in <i>Populus</i> : Significance of stress signaling networks, mycorrhization, and soil amendments for cellular and whole-plant nutrition. <i>Environmental and Experimental Botany</i> , 2014, 107, 113-124.	4.2	72
116	Soluble phenylpropanoids are involved in the defense response of <i>Arabidopsis</i> against <i>Verticillium longisporum</i> . <i>New Phytologist</i> , 2014, 202, 823-837.	7.3	110
117	Temperature-induced lipocalin (TIL) is translocated under salt stress and protects chloroplasts from ion toxicity. <i>Journal of Plant Physiology</i> , 2014, 171, 250-259.	3.5	44
118	Ion fluxes in <i>Paxillus involutus</i> -inoculated roots of <i>Populus canescens</i> under saline stress. <i>Environmental and Experimental Botany</i> , 2014, 108, 99-108.	4.2	20
119	Subcellular Nutrient Element Localization and Enrichment in Ecto- and Arbuscular Mycorrhizas of Field-Grown Beech and Ash Trees Indicate Functional Differences. <i>PLoS ONE</i> , 2014, 9, e114672.	2.5	25
120	Minor contribution of leaf litter to N nutrition of beech (<i>Fagus sylvatica</i>) seedlings in a mountainous beech forest of Southern Germany. <i>Plant and Soil</i> , 2013, 369, 657-668.	3.7	24
121	Preferential use of root litter compared to leaf litter by beech seedlings and soil microorganisms. <i>Plant and Soil</i> , 2013, 368, 519-534.	3.7	21
122	Interspecific temporal and spatial differences in the acquisition of litter-derived nitrogen by ectomycorrhizal fungal assemblages. <i>New Phytologist</i> , 2013, 199, 520-528.	7.3	63
123	Net fluxes of ammonium and nitrate in association with H ⁺ fluxes in fine roots of <i>Populus popularis</i> . <i>Planta</i> , 2013, 237, 919-931.	3.2	112
124	Changes in carbon, nutrients and stoichiometric relations under different soil depths, plant tissues and ages in black locust plantations. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2951-2964.	2.1	48
125	Nitrogen metabolism of two contrasting poplar species during acclimation to limiting nitrogen availability. <i>Journal of Experimental Botany</i> , 2013, 64, 4207-4224.	4.8	180
126	Cadmium tolerance in six poplar species. <i>Environmental Science and Pollution Research</i> , 2013, 20, 163-174.	5.3	157

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127	Root-induced tree species effects on the source/sink strength for greenhouse gases (CH ₄ , N ₂ O and) Tj ETQq1 1 0.784314 rgBT /Over	8.8	40
128	Ectomycorrhiza affect architecture and nitrogen partitioning of beech (<i>Fagus sylvatica</i> L.) seedlings under shade and drought. <i>Environmental and Experimental Botany</i> , 2013, 87, 207-217.	4.2	36
129	Incorporation of plant carbon and microbial nitrogen into the rhizosphere food web of beech and ash. <i>Soil Biology and Biochemistry</i> , 2013, 62, 76-81.	8.8	48
130	Roots from beech (<i>Fagus sylvatica</i> L.) and ash (<i>Fraxinus excelsior</i> L.) differentially affect soil microorganisms and carbon dynamics. <i>Soil Biology and Biochemistry</i> , 2013, 61, 23-32.	8.8	55
131	Volatile profiles of fungi “ Chemotyping of species and ecological functions. <i>Fungal Genetics and Biology</i> , 2013, 54, 25-33.	2.1	150
132	A Transcriptomic Network Underlies Microstructural and Physiological Responses to Cadmium in <i>Populus canescens</i> . <i>Plant Physiology</i> , 2013, 162, 424-439.	4.8	187
133	Spatial Patterns of Ectomycorrhizal Assemblages in a Monospecific Forest in Relation to Host Tree Genotype. <i>Frontiers in Plant Science</i> , 2013, 4, 103.	3.6	30
134	Growing poplars for research with and without mycorrhizas. <i>Frontiers in Plant Science</i> , 2013, 4, 332.	3.6	46
135	<i>Populus euphratica</i> XTH overexpression enhances salinity tolerance by the development of leaf succulence in transgenic tobacco plants. <i>Journal of Experimental Botany</i> , 2013, 64, 4225-4238.	4.8	91
136	The Nitrate Transporter (NRT) Gene Family in Poplar. <i>PLoS ONE</i> , 2013, 8, e72126.	2.5	84
137	Ectomycorrhizal Colonization and Diversity in Relation to Tree Biomass and Nutrition in a Plantation of Transgenic Poplars with Modified Lignin Biosynthesis. <i>PLoS ONE</i> , 2013, 8, e59207.	2.5	40
138	N-fertilization has different effects on the growth, carbon and nitrogen physiology, and wood properties of slow- and fast-growing <i>Populus</i> species. <i>Journal of Experimental Botany</i> , 2012, 63, 6173-6185.	4.8	131
139	Harnessing salt for woody biomass production. <i>Tree Physiology</i> , 2012, 32, 1-3.	3.1	41
140	<i>Verticillium</i> Infection Triggers VASCULAR-RELATED NAC DOMAIN7-Dependent de Novo Xylem Formation and Enhances Drought Tolerance in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3823-3837.	6.6	110
141	Poplar Wood Rays Are Involved in Seasonal Remodeling of Tree Physiology. <i>Plant Physiology</i> , 2012, 160, 1515-1529.	4.8	34
142	<i>Paxillus involutus</i> Strains MAJ and NAU Mediate K ⁺ /Na ⁺ Homeostasis in Ectomycorrhizal <i>Populus canescens</i> under Sodium Chloride Stress. <i>Plant Physiology</i> , 2012, 159, 1771-1786.	4.8	69
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