

Helena Sylvia Korpelainen

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

6,670
citations

61857

43
h-index

95083

68
g-index

203
all docs

203
docs citations

203
times ranked

5437
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex-specific responses of <i>Populus cathayana</i> to drought and elevated temperatures. <i>Plant, Cell and Environment</i> , 2008, 31, 850-860.	2.8	177
2	Physiological and biochemical responses to high Mn concentrations in two contrasting <i>Populus cathayana</i> populations. <i>Chemosphere</i> , 2007, 68, 686-694.	4.2	176
3	Physiological and proteomic responses of two contrasting <i>Populus cathayana</i> populations to drought stress. <i>Physiologia Plantarum</i> , 2009, 136, 150-168.	2.6	149
4	SEX RATIOS AND CONDITIONS REQUIRED FOR ENVIRONMENTAL SEX DETERMINATION IN ANIMALS. <i>Biological Reviews</i> , 1990, 65, 147-184.	4.7	146
5	Labile sex expression in plants. <i>Biological Reviews</i> , 1998, 73, 157-180.	4.7	137
6	Divergent assemblage patterns and driving forces for bacterial and fungal communities along a glacier forefield chronosequence. <i>Soil Biology and Biochemistry</i> , 2018, 118, 207-216.	4.2	133
7	Sex-related differences in leaf morphological and physiological responses in <i>Hippophae rhamnoides</i> along an altitudinal gradient. <i>Tree Physiology</i> , 2007, 27, 399-406.	1.4	128
8	Nitrogen nutrient status induces sexual differences in responses to cadmium in <i>Populus yunnanensis</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 5037-5050.	2.4	128
9	Sex-related adaptive responses to interaction of drought and salinity in <i>Populus yunnanensis</i> . <i>Plant, Cell and Environment</i> , 2010, 33, 1767-1778.	2.8	127
10	Sex-related differences in morphological, physiological, and ultrastructural responses of <i>Populus cathayana</i> to chilling. <i>Journal of Experimental Botany</i> , 2011, 62, 675-686.	2.4	106
11	Interactions between water deficit, ABA, and provenances in <i>Picea asperata</i> . <i>Journal of Experimental Botany</i> , 2007, 58, 3025-3036.	2.4	102
12	Sexually different physiological responses of <i>Populus cathayana</i> to nitrogen and phosphorus deficiencies. <i>Tree Physiology</i> , 2014, 34, 343-354.	1.4	102
13	Microsatellite markers reveal high genetic diversity in date palm (<i>Phoenix dactylifera</i> L.) germplasm from Sudan. <i>Genetica</i> , 2008, 134, 251-260.	0.5	96
14	Drought inhibits photosynthetic capacity more in females than in males of <i>Populus cathayana</i> . <i>Tree Physiology</i> , 2008, 28, 1751-1759.	1.4	96
15	Plant-plant interactions and N fertilization shape soil bacterial and fungal communities. <i>Soil Biology and Biochemistry</i> , 2019, 128, 127-138.	4.2	94
16	The effect of drought and enhanced UV-B radiation on the growth and physiological traits of two contrasting poplar species. <i>Forest Ecology and Management</i> , 2007, 239, 112-119.	1.4	92
17	Complete chloroplast genome sequence of <i>Elodea canadensis</i> and comparative analyses with other monocot plastid genomes. <i>Gene</i> , 2012, 508, 96-105.	1.0	89
18	The effects of temperature and photoperiod on life history parameters of <i>Daphnia magna</i> (Crustacea: Tj ETQq0 0 Q r gBT /Overlock 10 T	1.2	86

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19	Dispersal potential of spores and asexual propagules in the epixylic hepatic <i>Anastrophyllum hellerianum</i> . <i>Evolutionary Ecology</i> , 2006, 20, 415-430.	0.5	86
20	Intra- and intersexual competition of <i>Populus cathayana</i> under different watering regimes. <i>Functional Ecology</i> , 2014, 28, 124-136.	1.7	86
21	Patterns of resource allocation in male and female plants of <i>Rumex acetosa</i> and <i>R. acetosella</i> . <i>Oecologia</i> , 1992, 89, 133-139.	0.9	85
22	Salt stress responses in <i>Populus cathayana</i> Rehder. <i>Plant Science</i> , 2009, 176, 669-677.	1.7	82
23	Comparative physiological, ultrastructural and proteomic analyses reveal sexual differences in the responses of <i>Populus cathayana</i> under drought stress. <i>Proteomics</i> , 2010, 10, 2661-2677.	1.3	79
24	Effect of drought and ABA on growth, photosynthesis and antioxidant system of <i>Cotinus coggygria</i> seedlings under two different light conditions. <i>Environmental and Experimental Botany</i> , 2011, 71, 107-113.	2.0	77
25	Fitness, reproduction and longevity among European aristocratic and rural Finnish families in the 1700s and 1800s. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1765-1770.	1.2	76
26	Sex-related adaptive responses of <i>Populus cathayana</i> to photoperiod transitions. <i>Plant, Cell and Environment</i> , 2009, 32, 1401-1411.	2.8	76
27	Changes in antioxidant enzyme activities and isozyme profiles in leaves of male and female <i>Populus cathayana</i> infected with <i>Melampsora larici-populina</i> . <i>Tree Physiology</i> , 2010, 30, 116-128.	1.4	76
28	Different growth sensitivity to enhanced UV-B radiation between male and female <i>Populus cathayana</i> . <i>Tree Physiology</i> , 2010, 30, 1489-1498.	1.4	71
29	The evolutionary processes of mitochondrial and chloroplast genomes differ from those of nuclear genomes. <i>Die Naturwissenschaften</i> , 2004, 91, 505-518.	0.6	67
30	Sex-specific strategies of phosphorus (P) acquisition in <i>Populus cathayana</i> as affected by soil P availability and distribution. <i>New Phytologist</i> , 2020, 225, 782-792.	3.5	66
31	DNA barcoding: a tool for improved taxon identification and detection of species diversity. <i>Biodiversity and Conservation</i> , 2011, 20, 373-389.	1.2	62
32	Sex-specific responses and tolerances of <i>Populus cathayana</i> to salinity. <i>Physiologia Plantarum</i> , 2010, 140, 163-173.	2.6	60
33	Comparative Proteomics Analysis of Salt Response Reveals Sex-Related Photosynthetic Inhibition by Salinity in <i>Populus cathayana</i> Cuttings. <i>Journal of Proteome Research</i> , 2011, 10, 3944-3958.	1.8	59
34	Links between plant diversity, carbon stocks and environmental factors along a successional gradient in a subalpine coniferous forest in Southwest China. <i>Forest Ecology and Management</i> , 2011, 262, 361-369.	1.4	59
35	Nitrogen deposition limits photosynthetic response to elevated CO ₂ differentially in a dioecious species. <i>Oecologia</i> , 2011, 165, 41-54.	0.9	56
36	Sexual differences and sex ratios of dioecious plants under stressful environments. <i>Journal of Plant Ecology</i> , 2021, 14, 920-933.	1.2	56

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37	Sex-related and stage-dependent source-to-sink transition in <i>Populus cathayana</i> grown at elevated CO ₂ and elevated temperature. <i>Tree Physiology</i> , 2012, 32, 1325-1338.	1.4	55
38	<i>Populus cathayana</i> males exhibit more efficient protective mechanisms than females under drought stress. <i>Forest Ecology and Management</i> , 2012, 275, 68-78.	1.4	54
39	Growth, biomass allocation and photosynthetic responses are related to intensity of root severance and soil moisture conditions in the plantation tree <i>Cunninghamia lanceolata</i> . <i>Tree Physiology</i> , 2016, 36, 807-817.	1.4	50
40	Distinct co-occurrence patterns and driving forces of rare and abundant bacterial subcommunities following a glacial retreat in the eastern Tibetan Plateau. <i>Biology and Fertility of Soils</i> , 2019, 55, 351-364.	2.3	50
41	The First Sex-Specific Molecular Marker Discovered in the Moss <i>Pseudocalliergon trifarium</i> . <i>Journal of Heredity</i> , 2008, 99, 581-587.	1.0	49
42	Species-specific competition and N fertilization regulate non-structural carbohydrate contents in two <i>Larix</i> species. <i>Forest Ecology and Management</i> , 2016, 364, 60-69.	1.4	49
43	Revealing microbial processes and nutrient limitation in soil through ecoenzymatic stoichiometry and glomalin-related soil proteins in a retreating glacier forefield. <i>Geoderma</i> , 2019, 338, 313-324.	2.3	49
44	Effects of ultraviolet-B radiation on crop growth, development, yield and leaf pigment concentration of tartary buckwheat (<i>Fagopyrum tataricum</i>) under field conditions. <i>European Journal of Agronomy</i> , 2006, 25, 215-222.	1.9	48
45	Sexual differences in photosynthetic activity, ultrastructure and phytoremediation potential of <i>Populus cathayana</i> exposed to lead and drought. <i>Tree Physiology</i> , 2013, 33, 1043-1060.	1.4	48
46	Soil nematode assemblages as bioindicators of primary succession along a 120-year-old chronosequence on the Hailuoguo Glacier forefield, SW China. <i>Soil Biology and Biochemistry</i> , 2015, 88, 362-371.	4.2	46
47	Transcriptional profiling reveals sexual differences of the leaf transcriptomes in response to drought stress in <i>Populus yunnanensis</i> . <i>Tree Physiology</i> , 2012, 32, 1541-1555.	1.4	44
48	Sexual competition and N supply interactively affect the dimorphism and competitiveness of opposite sexes in <i>Populus cathayana</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 1285-1298.	2.8	44
49	Males exhibit competitive advantages over females of <i>Populus deltoides</i> under salinity stress. <i>Tree Physiology</i> , 2016, 36, 1573-1584.	1.4	44
50	Age-related nutrient content and carbon isotope composition in the leaves and branches of <i>Quercus aquifolioides</i> along an altitudinal gradient. <i>Trees - Structure and Function</i> , 2009, 23, 1109-1121.	0.9	43
51	Transcriptional profiling analysis in <i>Populus yunnanensis</i> provides insights into molecular mechanisms of sexual differences in salinity tolerance. <i>Journal of Experimental Botany</i> , 2012, 63, 3709-3726.	2.4	43
52	Sex ratio variation and spatial segregation of the sexes in populations of <i>Rumex acetosa</i> and <i>R. acetosella</i> (Polygonaceae). <i>Plant Systematics and Evolution</i> , 1991, 174, 183-195.	0.3	42
53	Growth, sex determination and reproduction of <i>Dryopteris filix-mas</i> (L.) Schott gametophytes under varying nutritional conditions. <i>Botanical Journal of the Linnean Society</i> , 1994, 114, 357-366.	0.8	42
54	Biodiversity of date palms (<i>Phoenix dactylifera</i> L.) in Sudan: chemical, morphological and DNA polymorphisms of selected cultivars. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2009, 7, 194-203.	0.4	42

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55	Partial shading of lateral branches affects growth, and foliage nitrogen- and water-use efficiencies in the conifer <i>Cunninghamia lanceolata</i> growing in a warm monsoon climate. <i>Tree Physiology</i> , 2015, 35, 632-643.	1.4	41
56	Metabolic and physiological analyses reveal that <i>Populus cathayana</i> males adopt an energy-saving strategy to cope with phosphorus deficiency. <i>Tree Physiology</i> , 2019, 39, 1630-1645.	1.4	39
57	Genetic Maternal Effects on Human Life Span through the Inheritance of Mitochondrial DNA. <i>Human Heredity</i> , 1999, 49, 183-185.	0.4	38
58	Principal component analysis of intraspecific responses of tartary buckwheat to UV-B radiation under field conditions. <i>Environmental and Experimental Botany</i> , 2007, 61, 237-245.	2.0	38
59	Reproductive investments driven by sex and altitude in sympatric <i>Populus</i> and <i>Salix</i> trees. <i>Tree Physiology</i> , 2017, 37, 1503-1514.	1.4	38
60	Sex-specific responses of <i>Populus yunnanensis</i> exposed to elevated CO_2 and salinity. <i>Physiologia Plantarum</i> , 2013, 147, 477-488.	2.6	37
61	Reciprocal grafting separates the roles of the root and shoot in sex-related drought responses in <i>Populus cathayana</i> males and females. <i>Plant, Cell and Environment</i> , 2013, 36, 356-364.	2.8	36
62	Effects of nitrogen and phosphorus supply on growth and physiological traits of two <i>Larix</i> species. <i>Environmental and Experimental Botany</i> , 2016, 130, 206-215.	2.0	36
63	Genetic diversity of <i>populus cathayana</i> Rehd populations in southwestern china revealed by ISSR markers. <i>Plant Science</i> , 2006, 170, 407-412.	1.7	35
64	<i>Populus yunnanensis</i> males adopt more efficient protective strategies than females to cope with excess zinc and acid rain. <i>Chemosphere</i> , 2013, 91, 1213-1220.	4.2	35
65	The true sex ratio in European <i>Pseudocalliergon trifarium</i> (Bryophyta: Amblystegiaceae) revealed by a novel molecular approach. <i>Biological Journal of the Linnean Society</i> , 0, 100, 132-140.	0.7	34
66	The effects of exogenous putrescine on sex-specific responses of <i>Populus cathayana</i> to copper stress. <i>Ecotoxicology and Environmental Safety</i> , 2013, 97, 94-102.	2.9	34
67	Nitrogen-controlled intra- and interspecific competition between <i>Populus purdomii</i> and <i>Salix rehderiana</i> drive primary succession in the Gongga Mountain glacier retreat area. <i>Tree Physiology</i> , 2017, 37, 799-814.	1.4	34
68	Growth and physiological responses to supplemental UV-B radiation of two contrasting poplar species. <i>Tree Physiology</i> , 2006, 26, 665-672.	1.4	33
69	Effects of elevated CO_2 and temperature on photosynthesis and leaf traits of an understory dwarf bamboo in subalpine forest zone, China. <i>Physiologia Plantarum</i> , 2013, 148, 261-272.	2.6	33
70	Human life histories and the demographic transition: A case study from Finland, 1870-1949. <i>American Journal of Physical Anthropology</i> , 2003, 120, 384-390.	2.1	32
71	Microsatellite marker identification using genome screening and restriction-ligation. <i>BioTechniques</i> , 2007, 42, 479-486.	0.8	32
72	Interactions between drought, ABA application and supplemental UV-B in <i>Populus yunnanensis</i> . <i>Physiologia Plantarum</i> , 2008, 134, 257-269.	2.6	32

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73	Leaf photosynthesis of <i>Betula albosinensis</i> seedlings as affected by elevated CO ₂ and planting density. <i>Forest Ecology and Management</i> , 2008, 255, 1937-1944.	1.4	32
74	A genetic method to resolve gender complements investigations on sex ratios in <i>Rumex acetosa</i> . <i>Molecular Ecology</i> , 2002, 11, 2151-2156.	2.0	31
75	Are males and females of <i>Populus cathayana</i> differentially sensitive to Cd stress?. <i>Journal of Hazardous Materials</i> , 2020, 393, 122411.	6.5	31
76	Hop (<i>Humulus lupulus</i> L.): Traditional and Present Use, and Future Potential. <i>Economic Botany</i> , 2021, 75, 302-322.	0.8	30
77	Temporal changes in the genetic structure of <i>Daphnia magna</i> populations. <i>Heredity</i> , 1986, 57, 5-14.	1.2	29
78	Altitudinal variation in growth, photosynthetic capacity and water use efficiency of <i>Abies faxoniana</i> Rehd. et Wils. seedlings as revealed by reciprocal transplantations. <i>Trees - Structure and Function</i> , 2013, 27, 1405-1416.	0.9	29
79	No evidence of sexual niche partitioning in a dioecious moss with rare sexual reproduction. <i>Annals of Botany</i> , 2015, 116, 771-779.	1.4	29
80	To what extent are bryophytes efficient dispersers?. <i>Journal of Ecology</i> , 2019, 107, 2149-2154.	1.9	29
81	Effect of Mn toxicity on morphological and physiological changes in two <i>Populus cathayana</i> populations originating from different habitats. <i>Trees - Structure and Function</i> , 2007, 21, 569-580.	0.9	28
82	Biodiversity of pollen in indoor air samples as revealed by DNA metabarcoding. <i>Nordic Journal of Botany</i> , 2017, 35, 602-608.	0.2	28
83	Somatic polyploidy examined by flow cytometry in <i>Daphnia</i> . <i>Journal of Plankton Research</i> , 1997, 19, 2031-2040.	0.8	26
84	Diversity of microsatellite markers in the populations of <i>Picea asperata</i> originating from the mountains of China. <i>Plant Science</i> , 2005, 168, 707-714.	1.7	26
85	Species-specific responses to drought, salinity and their interactions in <i>Populus euphratica</i> and <i>P. pruinosa</i> seedlings. <i>Journal of Plant Ecology</i> , 2020, 13, 563-573.	1.2	26
86	Microstructural and physiological responses to cadmium stress under different nitrogen levels in <i>Populus cathayana</i> females and males. <i>Tree Physiology</i> , 2020, 40, 30-45.	1.4	26
87	Variation in the heritability and evolvability of human lifespan. <i>Die Naturwissenschaften</i> , 2000, 87, 566-568.	0.6	25
88	Physiological responses of <i>Elaeocarpus glabripetalus</i> seedlings exposed to simulated acid rain and cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 118-127.	2.9	25
89	Different sexual impacts of dioecious <i>Populus euphratica</i> on microbial communities and nitrogen cycle processes in natural forests. <i>Forest Ecology and Management</i> , 2021, 496, 119403.	1.4	25
90	Restricted gene flow in the clonal hepatic <i>Trichocolea tomentella</i> in fragmented landscapes. <i>Biological Conservation</i> , 2008, 141, 1204-1217.	1.9	24

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91	Intraspecific variation in drought response of <i>Populus cathayana</i> grown under ambient and enhanced UV-B radiation. <i>Annals of Forest Science</i> , 2009, 66, 613-613.	0.8	24
92	Biochemical and Proteomic Analyses Reveal that <i>Populus cathayana</i> Males and Females Have Different Metabolic Activities under Chilling Stress. <i>Journal of Proteome Research</i> , 2012, 11, 5815-5826.	1.8	24
93	Population genetics of Himalayan balsam (<i>Impatiens glandulifera</i>): comparison of native and introduced populations. <i>Plant Ecology and Diversity</i> , 2015, 8, 317-321.	1.0	24
94	Broadleaf trees mediate chemically the growth of Chinese fir through root exudates. <i>Biology and Fertility of Soils</i> , 2019, 55, 737-749.	2.3	24
95	Revealing interactions between root phenolic metabolomes and rhizosphere bacterial communities in <i>Populus euphratica</i> plantations. <i>Biology and Fertility of Soils</i> , 2021, 57, 421-434.	2.3	24
96	Genie differentiation of <i>Daphnia magna</i> populations. <i>Hereditas</i> , 2008, 101, 209-216.	0.5	23
97	<i>Populus cathayana</i> males are less affected than females by excess manganese: Comparative proteomic and physiological analyses. <i>Proteomics</i> , 2013, 13, 2424-2437.	1.3	23
98	Spatial genetic structure of aquatic bryophytes in a connected lake system. <i>Plant Biology</i> , 2013, 15, 514-521.	1.8	23
99	Rootstock determines the drought resistance of poplar grafting combinations. <i>Tree Physiology</i> , 2019, 39, 1855-1866.	1.4	23
100	Genetic structure in fragmented populations of <i>Hippophae rhamnoides</i> ssp. <i>sinensis</i> in China investigated by ISSR and cpSSR markers. <i>Plant Systematics and Evolution</i> , 2011, 295, 97-107.	0.3	22
101	Elevated temperature and CO ₂ interactively modulate sexual competition and ecophysiological responses of dioecious <i>Populus cathayana</i> . <i>Forest Ecology and Management</i> , 2021, 481, 118747.	1.4	22
102	Differences in growth and physiological traits of <i>Populus cathayana</i> populations as affected by enhanced UV-B radiation and exogenous ABA. <i>Environmental and Experimental Botany</i> , 2009, 66, 100-109.	2.0	21
103	Fine-scale spatial genetic structure of a liverwort (<i>Barbilophozia attenuata</i>) within a network of ant trails. <i>Evolutionary Ecology</i> , 2011, 25, 45-57.	0.5	21
104	Physiological and transcriptional responses of two contrasting <i>Populus</i> clones to nitrogen stress. <i>Tree Physiology</i> , 2016, 36, 628-642.	1.4	21
105	Elevated temperature differently affects growth, photosynthetic capacity, nutrient absorption and leaf ultrastructure of <i>Abies faxoniana</i> and <i>Picea purpurea</i> under intra- and interspecific competition. <i>Tree Physiology</i> , 2019, 39, 1342-1357.	1.4	21
106	Intra- and intersexual interactions shape microbial community dynamics in the rhizosphere of <i>Populus cathayana</i> females and males exposed to excess Zn. <i>Journal of Hazardous Materials</i> , 2021, 402, 123783.	6.5	21
107	Anatomical variation of mesophyll conductance due to salt stress in <i>Populus cathayana</i> females and males growing under different inorganic nitrogen sources. <i>Tree Physiology</i> , 2021, 41, 1462-1478.	1.4	21
108	Comparative study on the population genetics of the red algae <i>Furcellaria lumbricalis</i> occupying different salinity conditions. <i>Marine Biology</i> , 2012, 159, 561-571.	0.7	20

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109	Sex-related responses in rhizosphere processes of dioecious <i>Populus cathayana</i> exposed to drought and low phosphorus stress. <i>Environmental and Experimental Botany</i> , 2020, 175, 104049.	2.0	20
110	Increasing soil age drives shifts in plant-plant interactions from positive to negative and affects primary succession dynamics in a subalpine glacier forefield. <i>Geoderma</i> , 2019, 353, 435-448.	2.3	19
111	Molecular and morphological evidence for distinct species in <i>Dumortiera</i> (<i>Dumortieraceae</i>). <i>Bryologist</i> , 2011, 114, 102-115.	0.1	18
112	Male poplars have a stronger ability to balance growth and carbohydrate accumulation than do females in response to a short-term potassium deficiency. <i>Physiologia Plantarum</i> , 2015, 155, 400-413.	2.6	18
113	Genetic structure of mosses <i>Pleurozium schreberi</i> (Willd. ex Brid.) Mitt. and <i>Racomitrium lanuginosum</i> (Hedw.) Brid. along altitude gradients in Hokkaido, Japan. <i>Journal of Bryology</i> , 2012, 34, 309-312.	0.4	17
114	Sex-specific competition differently regulates ecophysiological responses and phytoremediation of <i>Populus cathayana</i> under Pb stress. <i>Plant and Soil</i> , 2017, 421, 203-218.	1.8	17
115	Effects of competition and phosphorus fertilization on leaf and root traits of late-successional conifers <i>Abies fabri</i> and <i>Picea brachytyla</i> . <i>Environmental and Experimental Botany</i> , 2019, 162, 14-24.	2.0	17
116	Niche breadth and niche overlap in three epixylic hepatics in a boreal old-growth forest, southern Finland. <i>Journal of Bryology</i> , 2005, 27, 119-127.	0.4	16
117	Competition between clones: An experimental study in a natural population of <i>Daphnia magna</i> . <i>Hereditas</i> , 2008, 105, 29-35.	0.5	16
118	Excess heterozygosity and scarce genetic differentiation in the populations of <i>Phoenix dactylifera</i> L.: human impact or ecological determinants. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2009, 7, 95-104.	0.4	16
119	iTRAQ-based quantitative proteomic analysis gives insight into sexually different metabolic processes of poplars under nitrogen and phosphorus deficiencies. <i>Proteomics</i> , 2016, 16, 614-628.	1.3	16
120	Sorrel (<i>Rumex acetosa</i> L.): Not Only a Weed but a Promising Vegetable and Medicinal Plant. <i>Botanical Review</i> , The, 2020, 86, 234-246.	1.7	16
121	Sex-specific interactions shape root phenolics and rhizosphere microbial communities in <i>Populus cathayana</i> . <i>Forest Ecology and Management</i> , 2022, 504, 119857.	1.4	16
122	Genetic relationships among poplar species in section <i>Tacamahaca</i> (<i>Populus</i> L.) from western Sichuan, China. <i>Plant Science</i> , 2007, 172, 196-203.	1.7	15
123	New Microsatellite Markers for <i>Ulva Intestinalis</i> (Chlorophyta) and The Transferability of Markers Across Species of <i>Ulvaceae</i> . <i>Phycologia</i> , 2008, 47, 580-587.	0.6	15
124	Long-term acclimation of mesophyll conductance, carbon isotope discrimination and growth in two contrasting <i>Picea asperata</i> populations exposed to drought and enhanced UV-B radiation for three years. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 116-126.	1.9	15
125	Effect of warming on extracted soil carbon pools of <i>Abies faxoniana</i> forest at two elevations. <i>Forest Ecology and Management</i> , 2013, 310, 357-365.	1.4	15
126	Different responses in leaf-level physiology to competition and facilitation under different soil types and N fertilization. <i>Environmental and Experimental Botany</i> , 2018, 150, 69-78.	2.0	15

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127	Molecular evidence shows that the moss <i>Rhytidiadelphus subpinnatus</i> (Hylocomiaceae) is clearly distinct from <i>R. squarrosus</i> . <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 372-376.	1.2	14
128	Can the sex-specific molecular marker of <i>Drepanocladus trifarius</i> uncover gender in related species?. <i>Journal of Bryology</i> , 2010, 32, 305-308.	0.4	14
129	Plastic responses of <i>Populus yunnanensis</i> and <i>Abies faxoniana</i> to elevated atmospheric CO ₂ and warming. <i>Forest Ecology and Management</i> , 2013, 296, 33-40.	1.4	14
130	Stronger intra-specific competition aggravates negative effects of drought on the growth of <i>Cunninghamia lanceolata</i> . <i>Environmental and Experimental Botany</i> , 2020, 175, 104042.	2.0	14
131	Mating system and distribution of enzyme genetic variation in bracken (<i>Pteridium aquilinum</i>). <i>Canadian Journal of Botany</i> , 1995, 73, 1611-1617.	1.2	13
132	Reproductive strategies of <i>Daphnia magna</i> genotypes. <i>Hereditas</i> , 2008, 106, 181-188.	0.5	13
133	Effects of phosphorus availability on later stages of primary succession in Gongga Mountain glacier retreat area. <i>Environmental and Experimental Botany</i> , 2017, 141, 103-112.	2.0	13
134	Sex-specific strategies of nutrient resorption associated with leaf economics in <i>Populus euphratica</i> . <i>Journal of Ecology</i> , 2022, 110, 2062-2073.	1.9	13
135	Genetic diversity and population structure in the outcrossing populations of <i>Equisetum arvense</i> and <i>E. hyemale</i> (<i>Equisetaceae</i>). <i>American Journal of Botany</i> , 1996, 83, 58-62.	0.8	12
136	Adaptability to elevated temperature and nitrogen addition is greater in a high-elevation population than in a low-elevation population of <i>Hippophae rhamnoides</i> . <i>Trees - Structure and Function</i> , 2011, 25, 1073-1082.	0.9	12
137	Influence of soil qualities on intra- and interspecific competition dynamics of <i>Larix kaempferi</i> and <i>L. olgensis</i> . <i>Environmental and Experimental Botany</i> , 2017, 135, 96-105.	2.0	12
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139	Sex-specific nitrogen allocation tradeoffs in the leaves of <i>Populus cathayana</i> cuttings under salt and drought stress. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 101-110.	2.8	12
140	Intragametophytic selfing does not reduce reproduction in <i>Dryopteris filix-mas</i> . <i>Sexual Plant Reproduction</i> , 1996, 9, 117-122.	2.2	11
141	Differences in growth and physiological traits of two poplars originating from different altitudes as affected by UV-B radiation and nutrient availability. <i>Physiologia Plantarum</i> , 2010, 138, 278-288.	2.6	11
142	Effective detection of indoor fungi by metabarcoding. <i>Annals of Microbiology</i> , 2016, 66, 495-498.	1.1	11
143	Sexual competition affects biomass partitioning, carbon nutrient balance, Cd allocation and ultrastructure of <i>Populus cathayana</i> females and males exposed to Cd stress. <i>Tree Physiology</i> , 2016, 36, tpw054.	1.4	11
144	Improved drought resistance by intergeneric grafting in <i>Salicaceae</i> plants under water deficits. <i>Environmental and Experimental Botany</i> , 2018, 155, 217-225.	2.0	11

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147	Physiological differences in <i>Rhododendron calophytum</i> seedlings regenerated in mineral soil or on fallen dead wood of different decaying stages. <i>Plant and Soil</i> , 2010, 337, 205-215.	1.8	9
148	Search for stress-responsive genes in the red alga <i>Furcellaria lumbricalis</i> (Rhodophyta) by expressed sequence tag analysis. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 404, 21-25.	0.7	9
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150	Identifying sex in non-fertile individuals of the moss <i>Drepanocladus turgescens</i> (Bryophyta: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	1.2	9
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152	Nitrogen addition affects eco-physiological interactions between two tree species dominating in subtropical forests. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 150-160.	2.8	9
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155	Diversity of indoor fungi as revealed by DNA metabarcoding. <i>Genome</i> , 2017, 60, 55-64.	0.9	8
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157	Plant-plant interactions and resource dynamics of <i>Abies fabri</i> and <i>Picea brachytyla</i> as affected by phosphorus fertilization. <i>Environmental and Experimental Botany</i> , 2019, 168, 103893.	2.0	8
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159	Roots play a key role in drought-tolerance of poplars as suggested by reciprocal grafting between male and female clones. <i>Plant Physiology and Biochemistry</i> , 2020, 153, 81-91.	2.8	8
160	Stem xylem traits and wood formation affect sex-specific responses to drought and rewatering in <i>Populus cathayana</i> . <i>Tree Physiology</i> , 2022, 42, 1350-1363.	1.4	8
161	DNA fingerprinting of mosses. <i>Journal of Forensic Sciences</i> , 2003, 48, 804-7.	0.9	8
162	Growth and reproductive characteristics in artificially formed clonal gametophytes of <i>Dryopteris filix-mas</i> (Dryopteridaceae). <i>Plant Systematics and Evolution</i> , 1995, 196, 195-206.	0.3	7

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