

Shengzuo Fang

List of Publications by Year in descending order

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85
papers

2,285
citations

218592

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265120

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docs citations

85
times ranked

1745
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass production and carbon sequestration potential in poplar plantations with different management patterns. <i>Journal of Environmental Management</i> , 2007, 85, 672-679.	3.8	135
2	Methods to break seed dormancy in <i>Cyclocarya paliurus</i> (Batal) Iljinskaja. <i>Scientia Horticulturae</i> , 2006, 110, 305-309.	1.7	124
3	Antihyperglycemic, antihyperlipidemic and antioxidant effects of ethanol and aqueous extracts of <i>Cyclocarya paliurus</i> leaves in type 2 diabetic rats. <i>Journal of Ethnopharmacology</i> , 2013, 150, 1119-1127.	2.0	106
4	Light quality affects flavonoid production and related gene expression in <i>Cyclocarya paliurus</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 179, 66-73.	1.7	92
5	Provenance and temporal variations in selected flavonoids in leaves of <i>Cyclocarya paliurus</i> . <i>Food Chemistry</i> , 2011, 124, 1382-1386.	4.2	88
6	Growth dynamics and biomass production in short-rotation poplar plantations: 6-year results for three clones at four spacings. <i>Biomass and Bioenergy</i> , 1999, 17, 415-425.	2.9	85
7	Response of radiata pine forests to residue management and fertilisation across a fertility gradient in New Zealand. <i>Forest Ecology and Management</i> , 2000, 138, 203-223.	1.4	83
8	Antihyperlipidemic effect of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja extract and inhibition of apolipoprotein B48 overproduction in hyperlipidemic mice. <i>Journal of Ethnopharmacology</i> , 2015, 166, 286-296.	2.0	71
9	Integrated Effects of Light Intensity and Fertilization on Growth and Flavonoid Accumulation in <i>Cyclocarya paliurus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6286-6292.	2.4	68
10	Effects of mulching materials on nitrogen mineralization, nitrogen availability and poplar growth on degraded agricultural soil. <i>New Forests</i> , 2011, 41, 147-162.	0.7	63
11	Antidiabetic Effect of <i>Cyclocarya paliurus</i> Leaves Depends on the Contents of Antihyperglycemic Flavonoids and Antihyperlipidemic Triterpenoids. <i>Molecules</i> , 2018, 23, 1042.	1.7	63
12	Chemical Fingerprint and Multicomponent Quantitative Analysis for the Quality Evaluation of <i>Cyclocarya paliurus</i> Leaves by HPLC-TOF-MS. <i>Molecules</i> , 2017, 22, 1927.	1.7	52
13	<i>Cyclocarya paliurus</i> extract modulates adipokine expression and improves insulin sensitivity by inhibition of inflammation in mice. <i>Journal of Ethnopharmacology</i> , 2014, 153, 344-351.	2.0	48
14	<i>Cyclocarya paliurus</i> prevents high fat diet induced hyperlipidemia and obesity in Sprague-Dawley rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 677-686.	0.7	48
15	Effect of light regime and provenance on leaf characteristics, growth and flavonoid accumulation in <i>Cyclocarya paliurus</i> (Batal) Iljinskaja coppices. , 2016, 57, 28.		45
16	Geographic Variation in the Chemical Composition and Antioxidant Properties of Phenolic Compounds from <i>Cyclocarya paliurus</i> (Batal) Iljinskaja Leaves. <i>Molecules</i> , 2018, 23, 2440.	1.7	45
17	Responses of Morphology, Gas Exchange, Photochemical Activity of Photosystem II, and Antioxidant Balance in <i>Cyclocarya paliurus</i> to Light Spectra. <i>Frontiers in Plant Science</i> , 2018, 9, 1704.	1.7	39
18	Biomass production and carbon stocks in poplar-crop intercropping systems: a case study in northwestern Jiangsu, China. <i>Agroforestry Systems</i> , 2010, 79, 213-222.	0.9	38

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19	Integrative analysis of metabolome and transcriptome reveals molecular regulatory mechanism of flavonoid biosynthesis in <i>Cyclocarya paliurus</i> under salt stress. <i>Industrial Crops and Products</i> , 2021, 170, 113823.	2.5	36
20	Nitrogen dynamics and mineralization in degraded agricultural soil mulched with fresh grass. <i>Plant and Soil</i> , 2007, 300, 269-280.	1.8	31
21	Variation and stability of growth and leaf flavonoid content in <i>Cyclocarya paliurus</i> across environments. <i>Industrial Crops and Products</i> , 2015, 76, 386-393.	2.5	31
22	Geographic variation in water-soluble polysaccharide content and antioxidant activities of <i>Cyclocarya paliurus</i> leaves. <i>Industrial Crops and Products</i> , 2018, 121, 180-186.	2.5	31
23	Variation in rhizosphere soil microbial index of tree species on seasonal flooding land: An in situ rhizobox approach. <i>Applied Soil Ecology</i> , 2012, 59, 1-11.	2.1	30
24	Tree Species Composition Influences Enzyme Activities and Microbial Biomass in the Rhizosphere: A Rhizobox Approach. <i>PLoS ONE</i> , 2013, 8, e61461.	1.1	29
25	Contrasting decomposition rates and nutrient release patterns in mixed vs singular species litter in agroforestry systems. <i>Journal of Soils and Sediments</i> , 2014, 14, 1071-1081.	1.5	29
26	Variation of soil enzyme activity and microbial biomass in poplar plantations of different genotypes and stem spacings. <i>Journal of Forestry Research</i> , 2018, 29, 963-972.	1.7	29
27	Planting spacing affects canopy structure, biomass production and stem roundness in poplar plantations. <i>Scandinavian Journal of Forest Research</i> , 2018, 33, 464-474.	0.5	29
28	Thinning Intensity Affects Soil-Atmosphere Fluxes of Greenhouse Gases and Soil Nitrogen Mineralization in a Lowland Poplar Plantation. <i>Forests</i> , 2016, 7, 141.	0.9	27
29	Natural variations in flavonoids and triterpenoids of <i>Cyclocarya paliurus</i> leaves. <i>Journal of Forestry Research</i> , 2021, 32, 805-814.	1.7	26
30	Soil nutrient availability, poplar growth and biomass production on degraded agricultural soil under fresh grass mulch. <i>Forest Ecology and Management</i> , 2008, 255, 1802-1809.	1.4	25
31	Seasonal Variation in Phenolic Compounds and Antioxidant Activity in Leaves of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>Forests</i> , 2019, 10, 624.	0.9	25
32	Phytochemical content and antioxidant activity in aqueous extracts of <i>Cyclocarya paliurus</i> leaves collected from different populations. <i>PeerJ</i> , 2019, 7, e6492.	0.9	24
33	Clonal and Within-tree Variation in Microfibril Angle in Poplar Clones. <i>New Forests</i> , 2006, 31, 373-383.	0.7	23
34	Sprout development, biomass accumulation and fuelwood characteristics from coppiced plantations of <i>Quercus acutissima</i> . <i>Biomass and Bioenergy</i> , 2011, 35, 3104-3114.	2.9	23
35	Predictive Modeling of Suitable Habitats for <i>Cinnamomum Camphora</i> (L.) Presl Using Maxent Model under Climate Change in China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3185.	1.2	23
36	Influence of genotypes and environmental factors on leaf triterpenoid content and growth of <i>Cyclocarya paliurus</i> . <i>Journal of Forestry Research</i> , 2019, 30, 789-798.	1.7	22

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37	Growth, Carbon Storage, and Optimal Rotation in Poplar Plantations: A Case Study on Clone and Planting Spacing Effects. <i>Forests</i> , 2020, 11, 842.	0.9	22
38	Morphological Characterization of Flower Buds Development and Related Gene Expression Profiling at Bud Break Stage in Heterodichogamous <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>Genes</i> , 2019, 10, 818.	1.0	20
39	Natural population structure and genetic differentiation for heterodichogamous plant: <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja (Juglandaceae). <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	0.6	19
40	Geographical variations of triterpenoid contents in <i>Cyclocarya paliurus</i> leaves and their inhibitory effects on HeLa cells. <i>Industrial Crops and Products</i> , 2021, 162, 113314.	2.5	19
41	Decomposition and nutrient release of four potential mulching materials for poplar plantations on upland sites. <i>Agroforestry Systems</i> , 2008, 74, 27-35.	0.9	17
42	Influence of thinning time and density on sprout development, biomass production and energy stocks of sawtooth oak stumps. <i>Forest Ecology and Management</i> , 2011, 262, 299-306.	1.4	17
43	Clonal variation in growth, chemistry and calorific value of new poplar hybrids at nursery stage. <i>Biomass and Bioenergy</i> , 2013, 54, 303-311.	2.9	17
44	Poplar in wetland agroforestry: a case study of ecological benefits, site productivity, and economics. <i>Wetlands Ecology and Management</i> , 2005, 13, 93-104.	0.7	16
45	Enzymatic activity and nutrient availability in the rhizosphere of poplar plantations treated with fresh grass mulch. <i>Soil Science and Plant Nutrition</i> , 2010, 56, 483-491.	0.8	16
46	A Comprehensive Assessment of Bioactive Metabolites, Antioxidant and Antiproliferative Activities of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja Leaves. <i>Forests</i> , 2019, 10, 625.	0.9	16
47	Responses of nitrogen metabolism, photosynthetic parameter and growth to nitrogen fertilization in <i>Cyclocarya paliurus</i> . <i>Forest Ecology and Management</i> , 2021, 502, 119715.	1.4	16
48	Influence of Tree Spacing on Soil Nitrogen Mineralization and Availability in Hybrid Poplar Plantations. <i>Forests</i> , 2015, 6, 636-649.	0.9	15
49	Seasonal and genotypic variation of water-soluble polysaccharide content in leaves of <i>Cyclocarya paliurus</i> . <i>Southern Forests</i> , 2015, 77, 231-236.	0.2	15
50	Influence of provenance and shade on biomass production and triterpenoid accumulation in <i>Cyclocarya paliurus</i> . <i>Agroforestry Systems</i> , 2019, 93, 483-492.	0.9	15
51	Provenance variation in growth and wood properties of juvenile <i>Cyclocarya paliurus</i> . <i>New Forests</i> , 2014, 45, 625-639.	0.7	14
52	Influence of Container Type and Growth Medium on Seedling Growth and Root Morphology of <i>Cyclocarya paliurus</i> during Nursery Culture. <i>Forests</i> , 2017, 8, 387.	0.9	14
53	Effects of agricultural production on phosphorus losses from paddy soils: a case study in the Taihu Lake Region of China. <i>Wetlands Ecology and Management</i> , 2005, 13, 25-33.	0.7	13
54	Responses of radial growth, wood density and fiber traits to planting space in poplar plantations at a lowland site. <i>Journal of Forestry Research</i> , 2022, 33, 963-976.	1.7	13

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55	Identification and Expression Analysis of R2R3-MYB Family Genes Associated with Salt Tolerance in <i>Cyclocarya paliurus</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 3429.	1.8	13
56	Metabolome and Transcriptome Analyses Unravel the Molecular Regulatory Mechanisms Involved in Photosynthesis of <i>Cyclocarya paliurus</i> under Salt Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1161.	1.8	12
57	Responses of Microstructure, Ultrastructure and Antioxidant Enzyme Activity to PEG-Induced Drought Stress in <i>Cyclocarya paliurus</i> Seedlings. <i>Forests</i> , 2022, 13, 836.	0.9	12
58	Biomass production and bark yield in the plantations of <i>Pteroceltis tatarinowii</i> . <i>Biomass and Bioenergy</i> , 2004, 26, 319-328.	2.9	11
59	Seasonal and clonal variations of microbial biomass and processes in the rhizosphere of poplar plantations. <i>Applied Soil Ecology</i> , 2014, 78, 65-72.	2.1	11
60	Nitrogen Forms Alter Triterpenoid Accumulation and Related Gene Expression in <i>Cyclocarya paliurus</i> (Batalin) Iljinsk. Seedlings. <i>Forests</i> , 2020, 11, 631.	0.9	11
61	Assessments of growth performance, crown structure, stem form and wood property of introduced poplar clones: Results from a long-term field experiment at a lowland site. <i>Forest Ecology and Management</i> , 2021, 479, 118586.	1.4	11
62	Genotypic variation in tree growth and selected flavonoids in leaves of <i>Cyclocarya paliurus</i> . <i>Southern Forests</i> , 2018, 80, 67-74.	0.2	9
63	Variation in radial growth and wood density of <i>Cyclocarya paliurus</i> across its natural distribution. <i>New Forests</i> , 2020, 51, 453-467.	0.7	9
64	Acid deposition strongly influenced element fluxes in a forested karst watershed in the upper Yangtze River region, China. <i>Forest Ecology and Management</i> , 2013, 310, 27-36.	1.4	8
65	Nitrogen form and ratio impact phenolic accumulation and relative gene expression in <i>Cyclocarya paliurus</i> . <i>Trees - Structure and Function</i> , 2021, 35, 685-696.	0.9	8
66	3Î²,23-Dihydroxy-12-ene-28-ursolic Acid Isolated from <i>Cyclocarya paliurus</i> Alleviates NLRP3 Inflammasome-Mediated Gout via PI3K-AKT-mTOR-Dependent Autophagy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-15.	0.5	8
67	Non-additive effects of litter-mixing on soil carbon dioxide efflux from poplar-based agroforestry systems in the warm temperate region of China. <i>Agroforestry Systems</i> , 2014, 88, 193-203.	0.9	7
68	Localization and dynamic change of saponins in <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>PLoS ONE</i> , 2019, 14, e0223421.	1.1	7
69	<i>Cyclocarya paliurus</i> triterpenoids attenuate glomerular endothelial injury in the diabetic rats via ROCK pathway. <i>Journal of Ethnopharmacology</i> , 2022, 291, 115127.	2.0	7
70	Cytochemical localization of ATPase and sub-cellular variation in mesophyll cell of <i>Cyclocarya paliurus</i> seedlings under iso-osmotic stress and calcium regulation. <i>Journal of Forestry Research</i> , 2009, 20, 343-348.	1.7	6
71	Leaf Nitrogen and Phosphorus Stoichiometry of <i>Cyclocarya paliurus</i> across China. <i>Forests</i> , 2018, 9, 771.	0.9	6
72	Genotypeâ€œEnvironment Interactions for Tree Growth and Leaf Phytochemical Content of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>Forests</i> , 2021, 12, 735.	0.9	6

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73	Effect of NaCl stress on ion distribution in roots and growth of <i>Cyclocarya paliurus</i> seedlings. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 208-215.	0.2	5
74	Effects of site conditions and methods of cultivation on growth of sawtooth oak plantations. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 185-190.	0.2	5
75	Seasonal variation of microelement contents in leaves of <i>Cyclocarya paliurus</i> among the provenances. <i>Journal of Forestry Research</i> , 2011, 22, 225-231.	1.7	5
76	A strategy of Ca ²⁺ alleviating Na ⁺ toxicity in salt-treated <i>Cyclocarya paliurus</i> seedlings: photosynthetic and nutritional responses. <i>Plant Growth Regulation</i> , 2012, 68, 351-359.	1.8	5
77	Ecological Gradient Analysis and Environmental Interpretation of <i>Cyclocarya paliurus</i> Communities. <i>Forests</i> , 2021, 12, 146.	0.9	4
78	Effects of different planting configurations and clones on biomass and carbon storage of a 12-year-old poplar ecosystem in southern China. <i>Canadian Journal of Forest Research</i> , 2022, 52, 70-78.	0.8	4
79	Triterpenoids Biosynthesis Regulation for Leaf Coloring of Wheel Wingnut (<i>Cyclocarya paliurus</i>). <i>Forests</i> , 2021, 12, 1733.	0.9	4
80	Cytochemical localization of H ⁺ -ATPase and sub-cellular variation in mesophyll cells of salt-treated <i>Cyclocarya paliurus</i> seedlings. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009, 4, 494-500.	0.2	3
81	Photosynthetic response of poplar leaves at different developmental phases to environmental factors. <i>Journal of Forestry Research</i> , 2017, 28, 909-915.	1.7	3
82	RNA in situ hybridization and expression of related genes regulating the accumulation of triterpenoids in <i>Cyclocarya paliurus</i> . <i>Tree Physiology</i> , 2021, 41, 2189-2197.	1.4	3
83	Effects of Cutting Density on Growth, Yield and Quality of Poplar Clone Seedlings. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 64-69.	0.2	1
84	Genotypic variations in 107 poplar clones grown on a short-term waterlogging site: Long-term (1992–2015) data on survival rate, growth performance and branching traits. <i>Data in Brief</i> , 2021, 34, 106711.	0.5	1
85	Spatial and vertical variation in calorific value of two <i>Quercus</i> species and its correlation to wood chemical components. , 2013, , .		0