

Shengzuo Fang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

1,504

citations

22

h-index

35

g-index

85

ext. papers

1,923

ext. citations

3.5

avg, IF

4.74

L-index

#	Paper	IF	Citations
82	Biomass production and carbon sequestration potential in poplar plantations with different management patterns. <i>Journal of Environmental Management</i> , 2007 , 85, 672-9	7.9	106
81	Methods to break seed dormancy in <i>Cyclocarya paliurus</i> (Batal)Iljinskaja. <i>Scientia Horticulturae</i> , 2006 , 110, 305-309	4.1	90
80	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	3.9	80
79	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, 1119-27	5	77
78	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	5.3	75
77	Provenance and temporal variations in selected flavonoids in leaves of <i>Cyclocarya paliurus</i> . <i>Food Chemistry</i> , 2011 , 124, 1382-1386	8.5	64
76	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	6.7	56
75	Effects of mulching materials on nitrogen mineralization, nitrogen availability and poplar growth on degraded agricultural soil. <i>New Forests</i> , 2011 , 41, 147-162	2.6	52
74	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, 6286-92	5.7	51
73	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, 286-96	5	46
72	<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, 344-51	5	37
71	Chemical Fingerprint and Multicomponent Quantitative Analysis for the Quality Evaluation of <i>Cyclocarya paliurus</i> Leaves by HPLC-Q-TOF-MS. <i>Molecules</i> , 2017 , 22,	4.8	36
70	Antidiabetic Effect of Leaves Depends on the Contents of Antihyperglycemic Flavonoids and Antihyperlipidemic Triterpenoids. <i>Molecules</i> , 2018 , 23,	4.8	31
69	Effect of light regime and provenance on leaf characteristics, growth and flavonoid accumulation in <i>Cyclocarya paliurus</i> (Batal) Iljinskaja coppices. <i>Botanical Studies</i> , 2016 , 57, 28	2.3	29
68	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	2	26
67	Nitrogen dynamics and mineralization in degraded agricultural soil mulched with fresh grass. <i>Plant and Soil</i> , 2007 , 300, 269-280	4.2	26
66	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	5.9	25

65	Tree species composition influences enzyme activities and microbial biomass in the rhizosphere: a rhizobox approach. <i>PLoS ONE</i> , 2013 , 8, e61461	3.7	24
64	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	3.9	23
63	Responses of Morphology, Gas Exchange, Photochemical Activity of Photosystem II, and Antioxidant Balance in to Light Spectra. <i>Frontiers in Plant Science</i> , 2018 , 9, 1704	6.2	23
62	Cyclocarya paliurus prevents high fat diet induced hyperlipidemia and obesity in Sprague-Dawley rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015 , 93, 677-86	2.4	22
61	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	5	22
60	Sprout development, biomass accumulation and fuelwood characteristics from coppiced plantations of <i>Quercus acutissima</i> . <i>Biomass and Bioenergy</i> , 2011 , 35, 3104-3114	5.3	22
59	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	5.9	21
58	Clonal and Within-tree Variation in Microfibril Angle in Poplar Clones. <i>New Forests</i> , 2006 , 31, 373-383	2.6	21
57	Thinning Intensity Affects Soil-Atmosphere Fluxes of Greenhouse Gases and Soil Nitrogen Mineralization in a Lowland Poplar Plantation. <i>Forests</i> , 2016 , 7, 141	2.8	19
56	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	3.4	18
55	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	2	16
54	Phytochemical content and antioxidant activity in aqueous extracts of leaves collected from different populations. <i>PeerJ</i> , 2019 , 7, e6492	3.1	16
53	Geographic Variation in the Chemical Composition and Antioxidant Properties of Phenolic Compounds from (Batal) Iljinskaja Leaves. <i>Molecules</i> , 2018 , 23,	4.8	16
52	Seasonal and genotypic variation of water-soluble polysaccharide content in leaves of <i>Cyclocarya paliurus</i> . <i>Southern Forests</i> , 2015 , 77, 231-236	0.6	15
51	Planting spacing affects canopy structure, biomass production and stem roundness in poplar plantations. <i>Scandinavian Journal of Forest Research</i> , 2018 , 33, 464-474	1.7	15
50	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	3.9	15
49	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	1.6	15
48	Poplar in wetland agroforestry: a case study of ecological benefits, site productivity, and economics. <i>Wetlands Ecology and Management</i> , 2005 , 13, 93-104	2.1	15

47	Predictive Modeling of Suitable Habitats for (L.) Presl Using Maxent Model under Climate Change in China. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	14
46	Clonal variation in growth, chemistry and calorific value of new poplar hybrids at nursery stage. <i>Biomass and Bioenergy</i> , 2013 , 54, 303-311	5.3	14
45	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	2.1	14
44	Seasonal Variation in Phenolic Compounds and Antioxidant Activity in Leaves of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>Forests</i> , 2019 , 10, 624	2.8	13
43	Influence of Tree Spacing on Soil Nitrogen Mineralization and Availability in Hybrid Poplar Plantations. <i>Forests</i> , 2015 , 6, 636-649	2.8	13
42	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	2	13
41	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	2.1	12
40	Provenance variation in growth and wood properties of juvenile <i>Cyclocarya paliurus</i> . <i>New Forests</i> , 2014 , 45, 625-639	2.6	11
39	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	2.8	10
38	Decomposition and nutrient release of four potential mulching materials for poplar plantations on upland sites. <i>Agroforestry Systems</i> , 2008 , 74, 27-35	2	10
37	Influence of provenance and shade on biomass production and triterpenoid accumulation in <i>Cyclocarya paliurus</i> . <i>Agroforestry Systems</i> , 2019 , 93, 483-492	2	10
36	Seasonal and clonal variations of microbial biomass and processes in the rhizosphere of poplar plantations. <i>Applied Soil Ecology</i> , 2014 , 78, 65-72	5	9
35	Biomass production and bark yield in the plantations of <i>Pteroceltis tatarinowii</i> . <i>Biomass and Bioenergy</i> , 2004 , 26, 319-328	5.3	9
34	Natural variations in flavonoids and triterpenoids of <i>Cyclocarya paliurus</i> leaves. <i>Journal of Forestry Research</i> , 2021 , 32, 805-814	2	8
33	Genotypic variation in tree growth and selected flavonoids in leaves of <i>Cyclocarya paliurus</i> . <i>Southern Forests</i> , 2018 , 80, 67-74	0.6	7
32	A Comprehensive Assessment of Bioactive Metabolites, Antioxidant and Antiproliferative Activities of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja Leaves. <i>Forests</i> , 2019 , 10, 625	2.8	7
31	Morphological Characterization of Flower Buds Development and Related Gene Expression Profiling at Bud Break Stage in Heterodichogamous (Batal.) Iljinskaja. <i>Genes</i> , 2019 , 10,	4.2	6
30	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	2	6

29	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	3.9	5
28	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	2	5
27	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		5
26	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	2	5
25	Growth, Carbon Storage, and Optimal Rotation in Poplar Plantations: A Case Study on Clone and Planting Spacing Effects. <i>Forests</i> , 2020 , 11, 842	2.8	5
24	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	3.9	5
23	Leaf Nitrogen and Phosphorus Stoichiometry of <i>Cyclocarya paliurus</i> across China. <i>Forests</i> , 2018 , 9, 771	2.8	5
22	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	5.9	5
21	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		4
20	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	5.9	4
19	Nitrogen Forms Alter Triterpenoid Accumulation and Related Gene Expression in <i>Cyclocarya paliurus</i> (Batalin) Iljinsk. Seedlings. <i>Forests</i> , 2020 , 11, 631	2.8	3
18	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	3.2	3
17	Variation in radial growth and wood density of <i>Cyclocarya paliurus</i> across its natural distribution. <i>New Forests</i> , 2020 , 51, 453-467	2.6	3
16	Photosynthetic response of poplar leaves at different developmental phases to environmental factors. <i>Journal of Forestry Research</i> , 2017 , 28, 909-915	2	2
15	Localization and dynamic change of saponins in <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>PLoS ONE</i> , 2019 , 14, e0223421	3.7	2
14	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		2
13	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	2.6	2
12	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	3.9	2

11	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		1
10	3,23-Dihydroxy-12-ene-28-ursolic Acid Isolated from Alleviates NLRP3 Inflammasome-Mediated Gout via PI3K-AKT-mTOR-Dependent Autophagy.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022 , 2022, 5541232	2.3	1
9	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	4.2	1
8	GenotypeEnvironment Interactions for Tree Growth and Leaf Phytochemical Content of <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja. <i>Forests</i> , 2021 , 12, 735	2.8	1
7	Ecological Gradient Analysis and Environmental Interpretation of <i>Cyclocarya paliurus</i> Communities. <i>Forests</i> , 2021 , 12, 146	2.8	1
6	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	1.9	0
5	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	1.2	0
4	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> , 1	2	0
3	<i>Cyclocarya paliurus</i> triterpenoids attenuate glomerular endothelial injury in the diabetic rats via ROCK pathway.. <i>Journal of Ethnopharmacology</i> , 2022 , 291, 115127	5	0
2	Triterpenoids Biosynthesis Regulation for Leaf Coloring of Wheel Wingnut (<i>Cyclocaryapaliurus</i>). <i>Forests</i> , 2021 , 12, 1733	2.8	0
1	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	2.8	0