

Chunjiang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,342
citations

331670

21
h-index

233421

45
g-index

65
all docs

65
docs citations

65
times ranked

4870
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	Variation in litterfall-climate relationships between coniferous and broadleaf forests in Eurasia. <i>Global Ecology and Biogeography</i> , 2004, 13, 105-114.	5.8	129
3	Comparison of greenhouse gas emissions from rice paddy fields under different nitrogen fertilization loads in Chongming Island, Eastern China. <i>Science of the Total Environment</i> , 2014, 472, 381-388.	8.0	71
4	Altitudinal patterns of leaf stoichiometry and nutrient resorption in <i>Quercus variabilis</i> in the Baotianman Mountains, China. <i>Plant and Soil</i> , 2017, 413, 193-202.	3.7	67
5	Drivers of tree carbon storage in subtropical forests. <i>Science of the Total Environment</i> , 2019, 654, 684-693.	8.0	65
6	Economical assessment of forest ecosystem services in China: Characteristics and implications. <i>Ecological Complexity</i> , 2012, 11, 1-11.	2.9	55
7	Global pattern of leaf litter nitrogen and phosphorus in woody plants. <i>Annals of Forest Science</i> , 2010, 67, 811-811.	2.0	54
8	Soil organic carbon stock and chemical composition along an altitude gradient in the Lushan Mountain, subtropical China. <i>Ecological Research</i> , 2014, 29, 433-439.	1.5	50
9	Effects of the leaf functional traits of coniferous and broadleaved trees in subtropical monsoon regions on PM2.5 dry deposition velocities. <i>Environmental Pollution</i> , 2020, 265, 114845.	7.5	44
10	Leaf litter nitrogen concentration as related to climatic factors in Eurasian forests. <i>Global Ecology and Biogeography</i> , 2006, 15, 438-444.	5.8	40
11	Impact factor assessment of the uptake and accumulation of polycyclic aromatic hydrocarbons by plant leaves: Morphological characteristics have the greatest impact. <i>Science of the Total Environment</i> , 2019, 652, 1149-1155.	8.0	40
12	Spatial patterns and estimates of global forest litterfall. <i>Ecosphere</i> , 2019, 10, e02587.	2.2	37
13	The value of manure - Manure as co-product in life cycle assessment. <i>Journal of Environmental Management</i> , 2019, 241, 293-304.	7.8	33
14	Individual effects of trichomes and leaf morphology on PM2.5 dry deposition velocity: A variable-control approach using species from the same family or genus. <i>Environmental Pollution</i> , 2021, 272, 116385.	7.5	32
15	Spatial heterogeneity of ecosystem carbon fluxes in a broadleaved forest in Northern Germany. <i>Global Change Biology</i> , 2005, 11, 70-88.	9.5	30
16	Pattern of leaf vein density and climate relationship of <i>Quercus variabilis</i> populations remains unchanged with environmental changes. <i>Trees - Structure and Function</i> , 2012, 26, 597-607.	1.9	27
17	Characteristics of carbon storage in Shanghai’s urban forest. <i>Science Bulletin</i> , 2013, 58, 1130-1138.	1.7	27
18	Random Forest Algorithm for the Relationship between Negative Air Ions and Environmental Factors in an Urban Park. <i>Atmosphere</i> , 2018, 9, 463.	2.3	27

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19	Biomass of Arboreal Lichens and its Vertical Distribution in a Boreal Coniferous Forest in Central Finland. <i>Lichenologist</i> , 2000, 32, 495-504.	0.8	26
20	Biogeographic patterns of multi-element stoichiometry of <i>Quercus variabilis</i> leaves across China. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1827-1834.	1.7	24
21	Stoichiometric traits of oriental oak (<i>Quercus variabilis</i>) acorns and their variations in relation to environmental variables across temperate to subtropical China. <i>Ecological Research</i> , 2012, 27, 765-773.	1.5	23
22	Imbalanced plant stoichiometry at contrasting geologic-derived phosphorus sites in subtropics: the role of microelements and plant functional group. <i>Plant and Soil</i> , 2018, 430, 113-125.	3.7	21
23	Coagulation effect of aero submicron particles on plant leaves: Measuring methods and potential mechanisms. <i>Environmental Pollution</i> , 2020, 257, 113611.	7.5	21
24	Determining PM2.5 dry deposition velocity on plant leaves: An indirect experimental method. <i>Urban Forestry and Urban Greening</i> , 2019, 46, 126467.	5.3	19
25	Calcium in decomposing foliar litter – A synthesis for boreal and temperate coniferous forests. <i>Forest Ecology and Management</i> , 2017, 403, 137-144.	3.2	18
26	Importance Evaluation Based on Random Forest Algorithms: Insights into the Relationship between Negative Air Ions Variability and Environmental Factors in Urban Green Spaces. <i>Atmosphere</i> , 2020, 11, 706.	2.3	17
27	Multielement stoichiometry in <i>Quercus variabilis</i> under natural phosphorus variation in subtropical China. <i>Scientific Reports</i> , 2015, 5, 7839.	3.3	16
28	Karst rocky desertification does not erode ectomycorrhizal fungal species richness but alters microbial community structure. <i>Plant and Soil</i> , 2019, 445, 383-396.	3.7	16
29	Climatic Control on Plant and Soil $\delta^{13}C$ along an Altitudinal Transect of Lushan Mountain in Subtropical China: Characteristics and Interpretation of Soil Carbon Dynamics. <i>PLoS ONE</i> , 2014, 9, e86440.	2.5	15
30	Modeling height-diameter relationship for artificial monoculture <i>Metasequoia glyptostroboides</i> in sub-tropic coastal megacity Shanghai, China. <i>Urban Forestry and Urban Greening</i> , 2018, 34, 226-232.	5.3	15
31	Sources and sinks evaluation of PAHs in leaves of <i>Cinnamomum camphora</i> in megacity: From the perspective of land-use types. <i>Journal of Cleaner Production</i> , 2021, 279, 123444.	9.3	14
32	Research and Development of a DNDC Online Model for Farmland Carbon Sequestration and GHG Emissions Mitigation in China. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1493.	2.6	13
33	Variation of Oriental Oak (<i>Quercus variabilis</i>) Leaf $\delta^{13}C$ across Temperate and Subtropical China: Spatial Patterns and Sensitivity to Precipitation. <i>Forests</i> , 2015, 6, 2296-2306.	2.1	12
34	Elemental stoichiometry and compositions of weevil larvae and two acorn hosts under natural phosphorus variation. <i>Scientific Reports</i> , 2017, 7, 45810.	3.3	12
35	Differential stoichiometric responses of shrubs and grasses to increased precipitation in a degraded karst ecosystem in Southwestern China. <i>Science of the Total Environment</i> , 2020, 700, 134421.	8.0	12
36	Indirect method for determining the dry deposition velocity of submicron particulate matter on leaves. <i>Atmospheric Environment</i> , 2021, 264, 118692.	4.1	12

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37	Biomass carbon pools of <i>Cunninghamia lanceolata</i> (Lamb.) Hook. forests in subtropical China: Characteristics and potential. <i>Scandinavian Journal of Forest Research</i> , 2012, 27, 545-560.	1.4	11
38	Comparison of the nutrient resorption stoichiometry of <i>Quercus variabilis</i> Blume growing in two sites contrasting in soil phosphorus content. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	11
39	Differential metabolic responses of shrubs and grasses to water additions in arid karst region, southwestern China. <i>Scientific Reports</i> , 2019, 9, 9613.	3.3	11
40	Phosphorus elevation erodes ectomycorrhizal community diversity and induces divergence of saprophytic community composition between vegetation types. <i>Science of the Total Environment</i> , 2021, 793, 148502.	8.0	11
41	Polycyclic aromatic hydrocarbons in leaves of <i>Cinnamomum camphora</i> along the urban-rural gradient of a megacity: Distribution varies in concentration and potential toxicity. <i>Science of the Total Environment</i> , 2020, 732, 139328.	8.0	11
42	Inhibitory Effects of 3,4-Dimethylpyrazole Phosphate on CH ₄ and N ₂ O Emissions in Paddy Fields of Subtropical China. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1177.	2.6	10
43	Correlated metabolic and elemental variations between the leaves and seeds of oak trees at contrasting geologically derived phosphorus sites. <i>Science of the Total Environment</i> , 2019, 691, 178-186.	8.0	9
44	Photosynthesis and Related Physiological Parameters Differences Affected the Isoprene Emission Rate among 10 Typical Tree Species in Subtropical Metropolises. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 954.	2.6	9
45	Comment on "Impacts of species richness on productivity in a large-scale subtropical forest experiment". <i>Science</i> , 2019, 363, .	12.6	9
46	Sustainable Management of <i>Metasequoia glyptostroboides</i> Plantation Forests in Shanghai. <i>Forests</i> , 2018, 9, 64.	2.1	8
47	Differences in the relationship between metabolomic and ionic traits of <i>Quercus variabilis</i> growing at contrasting geologic-phosphorus sites in subtropics. <i>Plant and Soil</i> , 2019, 439, 339-355.	3.7	8
48	Seasonal Variation in Soil Greenhouse Gas Emissions at Three Age-Stages of Dawn Redwood (<i>Metasequoia glyptostroboides</i>) Stands in an Alluvial Island, Eastern China. <i>Forests</i> , 2016, 7, 256.	2.1	7
49	Changes of Ecosystem Services and Landscape Patterns in Mountainous Areas: A Case Study in the Mentougou District in Beijing. <i>Sustainability</i> , 2018, 10, 3689.	3.2	7
50	Roles of metabolic regulation in developing <i>Quercus variabilis</i> acorns at contrasting geologically-derived phosphorus sites in subtropical China. <i>BMC Plant Biology</i> , 2020, 20, 389.	3.6	7
51	Spatial variations in stomatal traits and their coordination with leaf traits in <i>Quercus variabilis</i> across Eastern Asia. <i>Science of the Total Environment</i> , 2021, 789, 147757.	8.0	7
52	Variation in C:N:S Stoichiometry and Nutrient Storage Related to Body Size in a Holometabolous Insect (<i>Curculio davidi</i>) (Coleoptera: Curculionidae) Larva. <i>Journal of Insect Science</i> , 2015, 15, 25-25.	1.5	6
53	Plantations modified leaf elemental stoichiometry compared to the native shrub community in karst areas, Southwest of China. <i>Trees - Structure and Function</i> , 2021, 35, 987-999.	1.9	5
54	The role of biodiversity in mitigating the effects of nutrient limitation and short-term rotations in plantations of subtropical China. <i>Journal of Environmental Management</i> , 2022, 303, 114140.	7.8	5

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55	Phenotypic plasticity controls regional-scale variation in <i>Quercus variabilis</i> leaf $\delta^{13}C$. <i>Trees - Structure and Function</i> , 2016, 30, 1445-1453.	1.9	4
56	Bacterial Communities Are More Sensitive to Water Addition Than Fungal Communities Due to Higher Soil K and Na in a Degraded Karst Ecosystem of Southwestern China. <i>Frontiers in Microbiology</i> , 2020, 11, 562546.	3.5	4
57	On Landscape Patterns in Typical Mountainous Counties Middle Reaches of the Yangtze River in China. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4000.	2.6	3
58	Spatiotemporal dynamics of urban forest biomass in Shanghai, China. , 2015, , .		2
59	Applications of Regression Kriging and GIS in Detecting the Variation in Leaf Nitrogen and Phosphorus of Spruce in Europe. , 2009, , .		1
60	Metabolome and ionome analyses reveal the stoichiometric effects of contrasting geological phosphorus soils on seed-parasitic insects in subtropical oak forests. <i>Chemoecology</i> , 2019, 29, 199-210.	1.1	1
61	Genetic variation and differentiation of <i>Quercus variabilis</i> populations at phosphate and non-phosphate rock sites in southwestern China. <i>Plant Systematics and Evolution</i> , 2021, 307, 1.	0.9	1
62	Body Size Plasticity of Weevil Larvae (<i>Curculio davidi</i>) (Coleoptera: Curculionidae) and Its Stoichiometric Relationship With Different Hosts. <i>Journal of Insect Science</i> , 2021, 21, .	1.5	1
63	Leaf litter nitrogen concentration as related to climatic factors in Eurasian forests. <i>Global Ecology and Biogeography</i> , 2006, 15, 438-444.	5.8	1