

Fu-Sheng Chen

List of Publications by Year in descending order

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60
papers

1,307
citations

430874

18
h-index

395702

33
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65
all docs

65
docs citations

65
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of nitrogen and phosphorus additions on the abundance and community structure of ammonia oxidizers and denitrifying bacteria in Chinese fir plantations. <i>Soil Biology and Biochemistry</i> , 2016, 103, 284-293.	8.8	152
2	Nitrogen and phosphorus additions alter nutrient dynamics but not resorption efficiencies of Chinese fir leaves and twigs differing in age. <i>Tree Physiology</i> , 2015, 35, 1106-1117.	3.1	132
3	Atmospheric deposition and leaching of nitrogen in Chinese forest ecosystems. <i>Journal of Forest Research</i> , 2011, 16, 341-350.	1.4	81
4	Isolation and characterization of two phosphate-solubilizing fungi from rhizosphere soil of moso bamboo and their functional capacities when exposed to different phosphorus sources and pH environments. <i>PLoS ONE</i> , 2018, 13, e0199625.	2.5	57
5	Effects of nitrogen addition on vegetation and ecosystem carbon in a semi-arid grassland. <i>Biogeochemistry</i> , 2010, 98, 185-193.	3.5	55
6	Phosphorus addition alters the response of soil organic carbon decomposition to nitrogen deposition in a subtropical forest. <i>Soil Biology and Biochemistry</i> , 2019, 133, 119-128.	8.8	54
7	Topsoil and Deep Soil Organic Carbon Concentration and Stability Vary with Aggregate Size and Vegetation Type in Subtropical China. <i>PLoS ONE</i> , 2015, 10, e0139380.	2.5	53
8	Different responses of absorptive roots and arbuscular mycorrhizal fungi to fertilization provide diverse nutrient acquisition strategies in Chinese fir. <i>Forest Ecology and Management</i> , 2019, 433, 64-72.	3.2	45
9	Litter manipulation effects on microbial communities and enzymatic activities vary with soil depth in a subtropical Chinese fir plantation. <i>Forest Ecology and Management</i> , 2021, 480, 118641.	3.2	40
10	Key nitrogen cycling processes in pine plantations along a short urban-rural gradient in Nanchang, China. <i>Forest Ecology and Management</i> , 2010, 259, 477-486.	3.2	35
11	Phosphorus enrichment helps increase soil carbon mineralization in vegetation along an urban-to-rural gradient, Nanchang, China. <i>Applied Soil Ecology</i> , 2014, 75, 181-188.	4.3	30
12	Effects of nutrient addition on foliar phosphorus fractions and their resorption in different-aged leaves of Chinese fir in subtropical China. <i>Plant and Soil</i> , 2019, 443, 41-54.	3.7	27
13	Response of leaf anatomy of <i>Chenopodium acuminatum</i> to soil resource availability in a semi-arid grassland. <i>Plant Ecology</i> , 2010, 209, 375-382.	1.6	25
14	Nitrogen deposition effect on forest litter decomposition is interactively regulated by endogenous litter quality and exogenous resource supply. <i>Plant and Soil</i> , 2019, 437, 413-426.	3.7	25
15	Small-Scale Spatial Variability of Soil Nutrients and Vegetation Properties in Semi-Arid Northern China. <i>Pedosphere</i> , 2006, 16, 778-787.	4.0	24
16	The effects of simulated acid rain on internal nutrient cycling and the ratios of Mg, Al, Ca, N, and P in tea plants of a subtropical plantation. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 99.	2.7	24
17	Litter addition and understory removal influenced soil organic carbon quality and mineral nitrogen supply in a subtropical plantation forest. <i>Plant and Soil</i> , 2021, 460, 527-540.	3.7	23
18	Differentiating between root- and leaf-litter controls on the structure and stability of soil micro-food webs. <i>Soil Biology and Biochemistry</i> , 2017, 113, 192-200.	8.8	21

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19	Soil phosphorus fractions and tree phosphorus resorption in pine forests along an urban-to-rural gradient in Nanchang, China. <i>Plant and Soil</i> , 2011, 346, 97-106.	3.7	20
20	Endogenous versus exogenous nutrient affects C, N, and P dynamics in decomposing litters in mid-subtropical forests of China. <i>Ecological Research</i> , 2012, 27, 923-932.	1.5	20
21	Long-term fertilization increases soil nutrient accumulations but decreases biological activity in navel orange orchards of subtropical China. <i>Journal of Soils and Sediments</i> , 2017, 17, 2346-2356.	3.0	19
22	Seasonal dynamics of soil nitrogen availability and phosphorus fractions under urban forest remnants of different vegetation communities in Southern China. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 576-585.	5.3	18
23	Effects of Experimental Nitrogen Addition on Nutrients and Nonstructural Carbohydrates of Dominant Understory Plants in a Chinese Fir Plantation. <i>Forests</i> , 2019, 10, 155.	2.1	18
24	Effects of understory plant root growth into the litter layer on the leaf litter decomposition of two woody species in a subtropical forest. <i>Forest Ecology and Management</i> , 2016, 364, 39-45.	3.2	17
25	Increasing acidity of rain in subtropical tea plantation alters aluminum and nutrient distributions at the root-soil interface and in plant tissues. <i>Plant and Soil</i> , 2017, 417, 261-274.	3.7	17
26	Accumulation of residual soil microbial carbon in Chinese fir plantation soils after nitrogen and phosphorus additions. <i>Journal of Forestry Research</i> , 2018, 29, 953-962.	3.6	17
27	Soil phosphorus functional fractions and tree tissue nutrient concentrations influenced by stand density in subtropical Chinese fir plantation forests. <i>PLoS ONE</i> , 2017, 12, e0186905.	2.5	14
28	Important foliar traits depend on species-grouping: analysis of a remnant temperate forest at the Keerqin Sandy Lands, China. <i>Plant and Soil</i> , 2011, 340, 337-345.	3.7	13
29	Leaf traits and relationships differ with season as well as among species groupings in a managed Southeastern China forest landscape. <i>Plant Ecology</i> , 2012, 213, 1489-1502.	1.6	13
30	Mixed Broadleaved Tree Species Increases Soil Phosphorus Availability but Decreases the Coniferous Tree Nutrient Concentration in Subtropical China. <i>Forests</i> , 2020, 11, 461.	2.1	13
31	Pine caterpillar outbreak and stand density impacts on nitrogen and phosphorus dynamics and their stoichiometry in Masson pine (<i>Pinus massoniana</i>) plantations in subtropical China. <i>Canadian Journal of Forest Research</i> , 2016, 46, 601-609.	1.7	12
32	The species-specific responses of nutrient resorption and carbohydrate accumulation in leaves and roots to nitrogen addition in a subtropical mixed plantation. <i>Canadian Journal of Forest Research</i> , 2019, 49, 826-835.	1.7	12
33	Successive mineral nitrogen or phosphorus fertilization alone significantly altered bacterial community rather than bacterial biomass in plantation soil. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7213-7224.	3.6	12
34	Topsoil phosphorus signature in five forest types along an urban-suburban-rural gradient in Nanchang, southern China. <i>Journal of Forestry Research</i> , 2010, 21, 39-44.	3.6	11
35	Aluminum and nutrient interplay across an age-chronosequence of tea plantations within a hilly red soil farm of subtropical China. <i>Soil Science and Plant Nutrition</i> , 2014, 60, 448-459.	1.9	11
36	Reforestation and slope-position effects on nitrogen, phosphorus pools, and carbon stability of various soil aggregates in a red soil hilly land of subtropical China. <i>Canadian Journal of Forest Research</i> , 2015, 45, 26-35.	1.7	11

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37	Exogenous nutrient manipulations alter endogenous extractability of carbohydrates in decomposing foliar litters under a typical mixed forest of subtropics. <i>Geoderma</i> , 2014, 214-215, 19-24.	5.1	10
38	Soil nitrogen transformations varied with plant community under Nanchang urban forests in mid-subtropical zone of China. <i>Journal of Forestry Research</i> , 2011, 22, 569-576.	3.6	9
39	Exogenous nutrients and carbon resource change the responses of soil organic matter decomposition and nitrogen immobilization to nitrogen deposition. <i>Scientific Reports</i> , 2016, 6, 23717.	3.3	9
40	First record of the rare genus <i>Typhrasa</i> (Psathyrellaceae, Agaricales) from China with description of two new species. <i>MycKeys</i> , 2021, 79, 119-128.	1.9	9
41	Nitrogen deposition and phosphorus addition alter mobility of trace elements in subtropical forests in China. <i>Science of the Total Environment</i> , 2021, 781, 146778.	8.0	9
42	Tree species mixing enhances rhizosphere soil organic carbon mineralization of conifers in subtropical plantations. <i>Forest Ecology and Management</i> , 2022, 516, 120238.	3.2	9
43	How understory vegetation affects the catalytic properties of soil extracellular hydrolases in a Chinese fir (<i>Cunninghamia lanceolata</i>) forest. <i>European Journal of Soil Biology</i> , 2019, 90, 15-21.	3.2	8
44	Urbanization aggravates imbalances in the active C, N and P pools of terrestrial ecosystems. <i>Global Ecology and Conservation</i> , 2020, 21, e00831.	2.1	8
45	The Trade-Offs and Synergies of Ecosystem Services in Jiulianshan National Nature Reserve in Jiangxi Province, China. <i>Forests</i> , 2022, 13, 416.	2.1	8
46	Mechanisms driving ecosystem carbon sequestration in a Chinese fir plantation: nitrogen versus phosphorus fertilization. <i>European Journal of Forest Research</i> , 2019, 138, 863-873.	2.5	7
47	Species divergence in seedling leaf traits and tree growth response to nitrogen and phosphorus additions in an evergreen broadleaved forest of subtropical China. <i>Journal of Forestry Research</i> , 2023, 34, 137-150.	3.6	7
48	Understory removal accelerates nucleic phosphorus release but retards residual phosphorus release in decomposing litter of <i>Phyllostachys edulis</i> in subtropical China. <i>Land Degradation and Development</i> , 2021, 32, 2695-2703.	3.9	5
49	Litter age interacted with N and P addition to impact soil N ₂ O emissions in <i>Cunninghamia lanceolata</i> plantations. <i>Journal of Plant Ecology</i> , 2022, 15, 771-782.	2.3	5
50	The Bamboo Rhizome Evolution in China Is Driven by Geographical Isolation and Trait Differentiation. <i>Forests</i> , 2021, 12, 1280.	2.1	5
51	Aboveground litter input alters the effects of understory vegetation removal on soil microbial communities and enzyme activities along a 60-cm profile in a subtropical plantation forest. <i>Applied Soil Ecology</i> , 2022, 176, 104489.	4.3	5
52	The effects of simulated deposited nitrogen on nutrient dynamics in decomposing litters across a wide quality spectrum using a 15N tracing technique. <i>Plant and Soil</i> , 2019, 442, 141-156.	3.7	4
53	Mineral fertilization and soil depth slightly affected aggregate structures despite significantly altered microbial properties in surface forest soils. <i>Journal of Soils and Sediments</i> , 2020, 20, 3615-3626.	3.0	3
54	The contrasting effects of nitrogen and phosphorus fertilizations on the growth of <i>Cunninghamia lanceolata</i> depend on the season in subtropical China. <i>Forest Ecology and Management</i> , 2021, 482, 118874.	3.2	3

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55	Effect of nitrogen and phosphorus addition on soil aggregation and its associated organic carbon. <i>Chemistry and Ecology</i> , 2021, 37, 603-615.	1.6	3
56	Low Nitrogen Retention in Soil and Litter under Conditions without Plants in a Subtropical Pine Plantation. <i>Forests</i> , 2015, 6, 2387-2404.	2.1	2
57	Responses of leaf litter decomposability to nitrogen and phosphorus additions are associated with cell wall carbohydrate composition in a subtropical plantation. <i>Plant and Soil</i> , 2021, 467, 359-372.	3.7	2
58	Responses of microbial function, biomass and heterotrophic respiration, and organic carbon in fir plantation soil to successive nitrogen and phosphorus fertilization. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 8907-8920.	3.6	2
59	Experimental Approach Alters N and P Addition Effects on Leaf Traits and Growth Rate of Subtropical <i>Schima superba</i> (Reinw. ex Blume) Seedlings. <i>Forests</i> , 2022, 13, 141.	2.1	1
60	Navel orange fine root nutrient content and rhizosphere effects varied with tree ages and soil depths in a hilly red soil region of China. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021, 71, 696-705.	0.6	0