

Shijie Han

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

3,178
citations

201385

27
h-index

182168

51
g-index

98
all docs

98
docs citations

98
times ranked

3980
citing authors

#	ARTICLE	IF	CITATIONS
1	Close relationship between spectral vegetation indices and V_{max} in deciduous and mixed forests. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 23279.	0.8	24
2	Direct and indirect effects of climatic variations on the interannual variability in net ecosystem exchange across terrestrial ecosystems. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 30575.	0.8	21
3	Elevated CO ₂ , warming, N addition, and increased precipitation affect different aspects of the arbuscular mycorrhizal fungal community. <i>Science of the Total Environment</i> , 2022, 806, 150522.	3.9	19
4	Effects and mechanisms of land-types conversion on greenhouse gas emissions in the Yellow River floodplain wetland. <i>Science of the Total Environment</i> , 2022, 813, 152406.	3.9	13
5	Beneficial effects of warming on temperate tree carbon storage depend on precipitation and mycorrhizal types. <i>Science of the Total Environment</i> , 2022, 819, 153086.	3.9	5
6	Litter quality mediated the effect of nitrogen addition and precipitation reduction on the release and immobilization of plant litter nitrogen and phosphorus. <i>Canadian Journal of Soil Science</i> , 2022, 102, 263-275.	0.5	1
7	Retention of deposited ammonium and nitrate and its impact on the global forest carbon sink. <i>Nature Communications</i> , 2022, 13, 880.	5.8	55
8	Resistance and Resilience of Nine Plant Species to Drought in Inner Mongolia Temperate Grasslands of Northern China. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4967.	1.3	1
9	Land-use type strongly affects soil microbial community assembly process and inter-kingdom co-occurrence pattern in a floodplain ecosystem. <i>Applied Soil Ecology</i> , 2022, 179, 104574.	2.1	11
10	The effect of soil moisture on the response by fungi and bacteria to nitrogen additions for N ₂ O production. <i>Journal of Forestry Research</i> , 2021, 32, 2037-2045.	1.7	2
11	Tree ring width-based January–March mean minimum temperature reconstruction from <i>Larix gmelinii</i> in the Greater Khingan Mountains, China since AD 1765. <i>International Journal of Climatology</i> , 2021, 41, E842.	1.5	3
12	Quantitative estimation of stochastic and deterministic processes for soil prokaryotic community assembly in the Yellow River floodplain. <i>European Journal of Soil Science</i> , 2021, 72, 1462-1477.	1.8	11
13	Spatial Variation and Temporal Instability in the Growth/Climate Relationship of White Birch (<i>Betula</i>) Tj ETQq1 1 0.784314 rgBT /Over 0,9	0.9	4
14	A 168-year temperature recording based on tree rings and latitude differences in temperature changes in northeast China. <i>International Journal of Biometeorology</i> , 2021, 65, 1859-1870.	1.3	4
15	Long-term nitrogen addition further increased carbon sequestration in a boreal forest. <i>European Journal of Forest Research</i> , 2021, 140, 1113-1126.	1.1	7
16	Soil Microbial Community Based on PLFA Profiles in an Age Sequence of Pomegranate Plantation in the Middle Yellow River Floodplain. <i>Diversity</i> , 2021, 13, 408.	0.7	10
17	Quantitative evidence of underestimated nitrogen rhizodeposition using ¹⁵ N split-root labeling during spring wheat developmental period. <i>Catena</i> , 2021, 207, 105618.	2.2	2
18	The Right-Skewed Distribution of Fine-Root Size in Three Temperate Forests in Northeastern China. <i>Frontiers in Plant Science</i> , 2021, 12, 772463.	1.7	2

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19	Effects of mowing and nitrogen addition on the ecosystem C and N pools in a temperate steppe: A case study from northern China. <i>Catena</i> , 2020, 185, 104332.	2.2	30
20	Differences in tree and shrub growth responses to climate change in a boreal forest in China. <i>Dendrochronologia</i> , 2020, 63, 125744.	1.0	17
21	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	2.4	646
22	Direct effects of nitrogen addition on seed germination of eight semi-arid grassland species. <i>Ecology and Evolution</i> , 2020, 10, 8793-8800.	0.8	19
23	Comparative study of lignin stabilizing mechanisms in soil aggregates at virgin mixed broadleaf-pine forest and secondary broadleaf forest at Changbai Mountain Nature Reserve, Northeast China. <i>Ecological Indicators</i> , 2020, 117, 106665.	2.6	5
24	Effects of warming on soil respiration during the non-growing seasons in a semiarid temperate steppe. <i>Journal of Plant Ecology</i> , 2020, 13, 288-294.	1.2	25
25	Drought timing and primary productivity in a semiarid grassland. <i>Land Degradation and Development</i> , 2020, 31, 2185-2195.	1.8	26
26	Exploring slope spatial heterogeneity by nitrogen transfer and arbuscular mycorrhizal community. <i>Journal of Soils and Sediments</i> , 2020, 20, 3569-3579.	1.5	2
27	Mapping forest type and age in China's plantations. <i>Science of the Total Environment</i> , 2020, 744, 140790.	3.9	37
28	Temperature-Dominated Driving Mechanisms of the Plant Diversity in Temperate Forests, Northeast China. <i>Forests</i> , 2020, 11, 227.	0.9	10
29	Variation in soil lignin protection mechanisms in five successional gradients of mixed broadleaf-pine forests. <i>Soil Science Society of America Journal</i> , 2020, 84, 232-250.	1.2	5
30	Throughfall reduction diminished the enhancing effect of N addition on soil N leaching loss in an old, temperate forest. <i>Environmental Pollution</i> , 2020, 261, 114090.	3.7	9
31	Long-time precipitation reduction and nitrogen deposition increase alter soil nitrogen dynamic by influencing soil bacterial communities and functional groups. <i>Pedosphere</i> , 2020, 30, 363-377.	2.1	30
32	Variations in the natural ¹³ C and ¹⁵ N abundance of plants and soils under long-term N addition and precipitation reduction: interpretation of C and N dynamics. <i>Forest Ecosystems</i> , 2020, 7, .	1.3	14
33	Uptake Patterns of Glycine, Ammonium, and Nitrate Differ Among Four Common Tree Species of Northeast China. <i>Frontiers in Plant Science</i> , 2019, 10, 799.	1.7	32
34	Contrasting climate-growth relationship between <i>Larix gmelinii</i> and <i>Pinus sylvestris</i> var. <i>mongolica</i> along a latitudinal gradient in Daxing'an Mountains, China. <i>Dendrochronologia</i> , 2019, 58, 125645.	1.0	16
35	Reconstruction of June-July Temperatures Based on a 233 Year Tree-Ring of <i>Picea jezoensis</i> var. <i>microsperma</i> . <i>Forests</i> , 2019, 10, 416.	0.9	7
36	Interactive effect of nitrogen addition and throughfall reduction decreases soil aggregate stability through reducing biological binding agents. <i>Forest Ecology and Management</i> , 2019, 445, 13-19.	1.4	39

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37	Patterns and controlling factors of plant nitrogen and phosphorus stoichiometry across China's forests. <i>Biogeochemistry</i> , 2019, 143, 191-205.	1.7	27
38	Climate and litter C/N ratio constrain soil organic carbon accumulation. <i>National Science Review</i> , 2019, 6, 746-757.	4.6	87
39	Calibration and Assessment of Burned Area Simulation Capability of the LPJ-WHyMe Model in Northeast China. <i>Forests</i> , 2019, 10, 992.	0.9	0
40	Effects of precipitation change on fine root morphology and dynamics at a global scale: a meta-analysis. <i>Canadian Journal of Soil Science</i> , 2019, 99, 1-11.	0.5	26
41	Recent rising temperatures drive younger and southern Korean pine growth decline. <i>Science of the Total Environment</i> , 2019, 649, 1105-1116.	3.9	39
42	Carbon pools in China's terrestrial ecosystems: New estimates based on an intensive field survey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4021-4026.	3.3	466
43	Sequestration of atmospheric CO ₂ in boreal forest carbon pools in northeastern China: Effects of nitrogen deposition. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 70-81.	1.9	33
44	Effects of inundation and stranding on leaf litter decomposition and chemical transformation. <i>Aquatic Sciences</i> , 2018, 80, 1.	0.6	10
45	Effects of winter snowpack and nitrogen addition on the soil microbial community in a temperate forest in northeastern China. <i>Ecological Indicators</i> , 2018, 93, 602-611.	2.6	15
46	Does the accelerated soil N cycling sustain N demand of <i>Quercus mongolica</i> after decade-long elevated CO ₂ treatment?. <i>Biogeochemistry</i> , 2018, 139, 197-213.	1.7	6
47	Nitrogen addition impacts on the emissions of greenhouse gases depending on the forest type: a case study in Changbai Mountain, Northeast China. <i>Journal of Soils and Sediments</i> , 2017, 17, 23-34.	1.5	15
48	Rainfall reduction amplifies the stimulatory effect of nitrogen addition on N ₂ O emissions from a temperate forest soil. <i>Scientific Reports</i> , 2017, 7, 43329.	1.6	24
49	Nitrogen addition, drought and mixture effects on litter decomposition and nitrogen immobilization in a temperate forest. <i>Plant and Soil</i> , 2017, 416, 165-179.	1.8	29
50	Changes in CH ₄ production during different stages of litter decomposition under inundation and N addition. <i>Journal of Soils and Sediments</i> , 2017, 17, 949-959.	1.5	3
51	Different spatial patterns of nitrogen and phosphorus resorption efficiencies in China's forests. <i>Scientific Reports</i> , 2017, 7, 10584.	1.6	10
52	Organic carbon and nitrogen dynamics in different soil fractions between broad-leaved Korean pine forests and aspen-birch forests in northeastern China. <i>Journal of Soils and Sediments</i> , 2017, 17, 2257-2273.	1.5	19
53	Radial Growth Response of <i>Larix gmelinii</i> to Climate along a Latitudinal Gradient in the Greater Khingan Mountains, Northeastern China. <i>Forests</i> , 2016, 7, 295.	0.9	16
54	Nitrogen deposition may enhance soil carbon storage via change of soil respiration dynamic during a spring freeze-thaw cycle period. <i>Scientific Reports</i> , 2016, 6, 29134.	1.6	19

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55	Annual soil CO ₂ efflux in a cold temperate forest in northeastern China: effects of winter snowpack and artificial nitrogen deposition. <i>Scientific Reports</i> , 2016, 6, 18957.	1.6	17
56	Developing conservation strategies for <i>Pinus koraiensis</i> and <i>Eleutherococcus senticosus</i> by using model-based geographic distributions. <i>Journal of Forestry Research</i> , 2016, 27, 389-400.	1.7	15
57	Fine root growth and contribution to soil carbon in a mixed mature <i>Pinus koraiensis</i> forest. <i>Plant and Soil</i> , 2016, 400, 275-284.	1.8	26
58	Global parameterization and validation of a two-leaf light use efficiency model for predicting gross primary production across FLUXNET sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1045-1072.	1.3	93
59	Role and Variation of the Amount and Composition of Glomalin in Soil Properties in Farmland and Adjacent Plantations with Reference to a Primary Forest in North-Eastern China. <i>PLoS ONE</i> , 2015, 10, e0139623.	1.1	33
60	Incipient changes of lignin and substituted fatty acids under N addition in a Chinese forest soil. <i>Organic Geochemistry</i> , 2015, 79, 14-20.	0.9	13
61	Pulse Increase of Soil N ₂ O Emission in Response to N Addition in a Temperate Forest on Mt Changbai, Northeast China. <i>PLoS ONE</i> , 2014, 9, e102765.	1.1	34
62	Narrowband Bio-Indicator Monitoring of Temperate Forest Carbon Fluxes in Northeastern China. <i>Remote Sensing</i> , 2014, 6, 8986-9013.	1.8	9
63	Model-based conservation planning of the genetic diversity of <i>Phellodendron amurense</i> Rupr due to climate change. <i>Ecology and Evolution</i> , 2014, 4, 2884-2900.	0.8	32
64	How recent climate change influences water use efficiency in East Asia. <i>Theoretical and Applied Climatology</i> , 2014, 116, 359-370.	1.3	53
65	Seasonal dynamics of water use efficiency of typical forest and grassland ecosystems in China. <i>Journal of Forest Research</i> , 2014, 19, 70-76.	0.7	55
66	Multiyear precipitation reduction strongly decreases carbon uptake over northern China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 881-896.	1.3	79
67	Non-additive effects of mixing different sources of dissolved organic matter on its biodegradation. <i>Soil Biology and Biochemistry</i> , 2014, 78, 160-169.	4.2	18
68	Planning the priority protected areas of endangered orchid species in northeastern China. <i>Biodiversity and Conservation</i> , 2014, 23, 1395-1409.	1.2	45
69	Effects of tea saponin on glucan conversion and bonding behaviour of cellulolytic enzymes during enzymatic hydrolysis of corncob residue with high lignin content. <i>Biotechnology for Biofuels</i> , 2013, 6, 161.	6.2	33
70	Carbon and nitrogen turnover in response to warming and nitrogen addition during early stages of forest litter decomposition—an incubation experiment. <i>Journal of Soils and Sediments</i> , 2013, 13, 312-324.	1.5	8
71	Needle δ ¹³ C and mobile carbohydrates in <i>Pinus koraiensis</i> in relation to decreased temperature and increased moisture along an elevational gradient in NE China. <i>Trees - Structure and Function</i> , 2013, 27, 389-399.	0.9	17
72	Site-level model-data synthesis of terrestrial carbon fluxes in the CarboEastAsia eddy-covariance observation network: toward future modeling efforts. <i>Journal of Forest Research</i> , 2013, 18, 13-20.	0.7	31

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73	A modified ingrowth core method for measuring fine root production, mortality and decomposition in forests. <i>Tree Physiology</i> , 2013, 33, 18-25.	1.4	29
74	Soil Nematode Responses to Increases in Nitrogen Deposition and Precipitation in a Temperate Forest. <i>PLoS ONE</i> , 2013, 8, e82468.	1.1	75
75	Uncertainty analysis of modeled carbon fluxes for a broad-leaved Korean pine mixed forest using a process-based ecosystem model. <i>Journal of Forest Research</i> , 2012, 17, 268-282.	0.7	24
76	Uncertainty analysis in data processing on the estimation of net carbon exchanges at different forest ecosystems in China. <i>Journal of Forest Research</i> , 2012, 17, 312-322.	0.7	12
77	Responses of Fine Roots and Soil N Availability to Short-Term Nitrogen Fertilization in a Broad-Leaved Korean Pine Mixed Forest in Northeastern China. <i>PLoS ONE</i> , 2012, 7, e31042.	1.1	42
78	Spatial variations in evapotranspiration over East Asian forest sites. I. Evapotranspiration and decoupling coefficient. <i>Hydrological Research Letters</i> , 2011, 5, 83-87.	0.3	20
79	Spatial variations in evapotranspiration over East Asian forest sites. II. Surface conductance and aerodynamic conductance. <i>Hydrological Research Letters</i> , 2011, 5, 88-92.	0.3	3
80	Synergistic effects of nitrogen amendments and ethylene on atmospheric methane uptake under a temperate old-growth forest. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 843-854.	1.9	6
81	Litterfall and litter chemistry change over time in an old-growth temperate forest, northeastern China. <i>Annals of Forest Science</i> , 2010, 67, 206-206.	0.8	15
82	Construction of a framework map for <i>Pinus koraiensis</i> Sieb. et Zucc. using SRAP, SSR and ISSR markers. <i>Trees - Structure and Function</i> , 2010, 24, 685-693.	0.9	18
83	Changes in soil microbial biomass carbon and enzyme activities under elevated CO ₂ affect fine root decomposition processes in a Mongolian oak ecosystem. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1101-1107.	4.2	40
84	Effects of nitrogen additions on nitrogen resorption and use efficiencies and foliar litterfall of six tree species in a mixed birch and poplar forest, northeastern China. <i>Canadian Journal of Forest Research</i> , 2010, 40, 2256-2261.	0.8	32
85	Satellite-based estimation of evapotranspiration of an old-growth temperate mixed forest. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 976-984.	1.9	30
86	Effects of elevated CO ₂ concentrations on soil microbial respiration and root/rhizosphere respiration in forest soils. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 131-138.	0.2	0
87	Turbulent exchange of CO ₂ over a broadleaf-Korean pine forest in Changbai Mountain, northeast China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 401-406.	0.2	0
88	Comparison of three models to estimate evapotranspiration for a temperate mixed forest. <i>Hydrological Processes</i> , 2008, 22, 3431-3443.	1.1	54
89	Preservation of broadleaf species in Korean pine (<i>Pinus koraiensis</i>) plantations affects soil properties, carbon storage, biomass allocation, and available nitrogen storage. <i>Canadian Journal of Forest Research</i> , 2008, 38, 2227-2235.	0.8	8
90	Energy budget above a temperate mixed forest in northeastern China. <i>Hydrological Processes</i> , 2007, 21, 2425-2434.	1.1	29

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91	Foliar decomposition in a broadleaf-mixed Korean pine (<i>Pinus koraiensis</i> Sieb. Et Zucc) plantation forest: the impact of initial litter quality and the decomposition of three kinds of organic matter fraction on mass loss and nutrient release rates. <i>Plant and Soil</i> , 2007, 295, 151-167.	1.8	23
92	Response of needle dark respiration of <i>Pinus koraiensis</i> and <i>Pinus sylvestrifomis</i> to elevated CO2 concentrations for four growing seasonsâ€™ exposure. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 613-619.	0.9	2
93	Leaf and twig litter decomposition of main species in different forests along the north slope of Changbai Mountain, northeast China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 47-54.	0.2	5
94	Indirect effects of precipitation variation on the decomposition process of Mongolian oak (<i>Quercus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Universities, 2007, 2, 417-423.	0.2	8
95	Seasonal and annual variation of CO2 flux above a broad-leaved Korean pine mixed forest. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 63-73.	0.9	23
96	Photosynthetic characteristics of dominant tree species and canopy in the broadleaved Korean pine forest of Changbai Mountains. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 89-98.	0.9	10
97	Climatic controls of <i>Pinus pumila</i> radial growth along an altitude gradient. <i>New Forests</i> , 0, , 1.	0.7	3