Jian Sun

List of Publications by Year
in descending order

119 papers	3,487 citations	136950 32 h-index	189892 50 g-index
122 all docs	122 docs citations	122 times ranked	3240 citing authors

#	Article	IF	Citations
1	Response of net reduction rate in vegetation carbon uptake to climate change across a unique gradient zone on the Tibetan Plateau. Environmental Research, 2022, 203, 111894.	7.5	20
2	YB-1 is a positive regulator of KLF5 transcription factor in basal-like breast cancer. Cell Death and Differentiation, 2022, 29, 1283-1295.	11.2	23
3	Mutual feedback between above- and below-ground controls the restoration of alpine ecosystem multifunctionality in long-term grazing exclusion. Journal of Cleaner Production, 2022, 333, 130184.	9.3	18
4	Migration of vegetation boundary between alpine steppe and meadow on a century-scale across the Tibetan Plateau. Ecological Indicators, 2022, 136, 108599.	6.3	10
5	Context-Dependency in Relationships Between Herbaceous Plant Leaf Traits and Abiotic Factors. Frontiers in Plant Science, 2022, 13, 757077.	3.6	6
6	A feedforward circuit between KLF5 and lncRNA KPRT4 contributes to basal-like breast cancer. Cancer Letters, 2022, 534, 215618.	7.2	5
7	Effect of grazing exclusion on ecosystem services dynamics, trade-offs and synergies in Northern Tibet. Ecological Engineering, 2022, 179, 106638.	3.6	11
8	Dual Influence of Climate Change and Anthropogenic Activities on the Spatiotemporal Vegetation Dynamics Over the Qinghaiâ€Tibetan Plateau From 1981 to 2015. Earth's Future, 2022, 10, .	6.3	41
9	Functional identity of leaf dry matter content regulates community stability in the northern Tibetan grasslands. Science of the Total Environment, 2022, 838, 156150.	8.0	4
10	Toward a sustainable grassland ecosystem worldwide. Innovation(China), 2022, 3, 100265.	9.1	25
11	Variation of plant CSR strategies across a precipitation gradient in the alpine grasslands on the northern Tibet Plateau. Science of the Total Environment, 2022, 838, 156512.	8.0	16
12	Varying support for abundanceâ€centre and congenericâ€competition hypotheses along elevational transects of mammals. Journal of Biogeography, 2021, 48, 616-627.	3.0	2
13	Verification of the biomass transfer hypothesis under moderate grazing across the Tibetan plateau: a meta-analysis. Plant and Soil, 2021, 458, 139-150.	3.7	40
14	Climatic factors drive the aboveground ecosystem functions of alpine grassland via soil microbial biomass nitrogen on the Qingzang Plateau. Chinese Journal of Plant Ecology, 2021, 45, 434-443.	0.6	4
15	Ring distribution patternsâ€"diversification or speciation? Comparative phylogeography of two small mammals in the mountains surrounding the Sichuan Basin. Molecular Ecology, 2021, 30, 2641-2658.	3.9	11
16	Biologic and Abiotic Factors Regulate Dissolved Organic Nitrogen With Low and High Nutrient Concentrations on Tibetan Plateau, Respectively. Frontiers in Environmental Science, 2021, 9, .	3.3	1
17	SOC changes were more sensitive in alpine grasslands than in temperate grasslands during grassland transformation in China: A meta-analysis. Journal of Cleaner Production, 2021, 308, 127430.	9.3	27
18	Characterization of tree shrew telomeres and telomerase. Journal of Genetics and Genomics, 2021, 48, 631-639.	3.9	2

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19	Cushion plants as critical pioneers and engineers in alpine ecosystems across the Tibetan Plateau. Ecology and Evolution, 2021, 11, 11554-11558.	1.9	4
20	Community species diversity mediates the tradeâ€off between aboveground and belowground biomass for grasses and forbs in degraded alpine meadow, Tibetan Plateau. Ecology and Evolution, 2021, 11, 13259-13267.	1.9	4
21	Optimizing grazing exclusion practices to achieve Goal 15 of the sustainable development goals in the Tibetan Plateau. Science Bulletin, 2021, 66, 1493-1496.	9.0	48
22	Plant-microbe interactions regulate the aboveground community nitrogen accumulation rate in different environmental conditions on the Tibetan Plateau. Catena, 2021, 204, 105407.	5.0	14
23	KLF5-induced lncRNA IGFL2-AS1 promotes basal-like breast cancer cell growth and survival by upregulating the expression of IGFL1. Cancer Letters, 2021, 515, 49-62.	7.2	17
24	Plant nitrogen concentration is more sensitive in response to degradation than phosphorus concentration in alpine meadow. Ecological Engineering, 2021, 169, 106323.	3.6	5
25	Suitable duration of grazing exclusion for restoration of a degraded alpine meadow on the eastern Qinghai-Tibetan Plateau. Catena, 2021, 207, 105582.	5.0	17
26	Degradation shifts plant communities from S- to R-strategy in an alpine meadow, Tibetan Plateau. Science of the Total Environment, 2021, 800, 149572.	8.0	23
27	Linkages of aboveground plant carbon accumulation rate with ecosystem multifunctionality in alpine grassland, Qingzang Plateau. Chinese Journal of Plant Ecology, 2021, 45, 496-506.	0.6	2
28	Fences undermine biodiversity targets. Science, 2021, 374, 269-269.	12.6	22
29	Plants and Microbes Mediate the Shift in Ecosystem Multifunctionality From Low to High Patterns Across Alpine Grasslands on the Tibetan Plateau. Frontiers in Plant Science, 2021, 12, 760599.	3.6	6
30	Precipitation dominants synergies and trade-offs among ecosystem services across the Qinghai-Tibet Plateau. Global Ecology and Conservation, 2021, 32, e01886.	2.1	25
31	Coupling between plant nitrogen and phosphorus along water and heat gradients in alpine grassland. Science of the Total Environment, 2020, 701, 134660.	8.0	27
32	Water and heat availability are drivers of the aboveground plant carbon accumulation rate in alpine grasslands on the Tibetan Plateau. Global Ecology and Biogeography, 2020, 29, 50-64.	5.8	77
33	Change in the tradeâ€off between aboveground and belowground biomass of alpine grassland: Implications for the land degradation process. Land Degradation and Development, 2020, 31, 105-117.	3.9	48
34	Meta-analysis demonstrating that moderate grazing can improve the soil quality across China's grassland ecosystems. Applied Soil Ecology, 2020, 147, 103438.	4.3	54
35	Seasonal dynamics of cattle grazing behaviors on contrasting landforms of a fenced ranch in northern China. Science of the Total Environment, 2020, 749, 141613.	8.0	6
36	Injectable Reactive Oxygen Species-Responsive SN38 Prodrug Scaffold with Checkpoint Inhibitors for Combined Chemoimmunotherapy. ACS Applied Materials & Interfaces, 2020, 12, 50248-50259.	8.0	33

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37	Root Features Determine the Increasing Proportion of Forbs in Response to Degradation in Alpine Steppe, Tibetan Plateau. Frontiers in Environmental Science, 2020, 8, .	3.3	6
38	Concurrent and Lagged Effects of Extreme Drought Induce Net Reduction in Vegetation Carbon Uptake on Tibetan Plateau. Remote Sensing, 2020, 12, 2347.	4.0	42
39	Donâ€™t judge toxic weeds on whether they are native but on their ecological effects. Ecology and Evolution, 2020, 10, 9014-9025.	1.9	24
40	Dynamics and Drivers of the Alpine Timberline on Gongga Mountain of Tibetan Plateau-Adopted from the Otsu Method on Google Earth Engine. Remote Sensing, 2020, 12, 2651.	4.0	13
41	Degradation leads to dramatic decrease in topsoil but not subsoil root biomass in an alpine meadow on the Tibetan Plateau, China. Journal of Arid Land, 2020, 12, 806-818.	2.3	11
42	Plant community of alpine steppe shows stronger association with soil properties than alpine meadow alongside degradation. Science of the Total Environment, 2020, 733, 139048.	8.0	36
43	Shift in nurse effect from facilitation to competition with increasing size of Salix cupularis canopy in a desertified alpine meadow on the Tibetan Plateau. Catena, 2020, 195, 104757.	5.0	12
44	Restoration efficiency of short-term grazing exclusion is the highest at the stage shifting from light to moderate degradation at Zoige, Tibetan Plateau. Ecological Indicators, 2020, 114, 106323.	6.3	23
45	Roles of RNF126 and BCA2 E3 ubiquitin ligases in DNA damage repair signaling and targeted cancer therapy. Pharmacological Research, 2020, 155, 104748.	7.1	14
46	One-year grazing exclusion remarkably restores degraded alpine meadow at Zoige, eastern Tibetan Plateau. Global Ecology and Conservation, 2020, 22, e00951.	2.1	18
47	The patterns and mechanisms of precipitation use efficiency in alpine grasslands on the Tibetan Plateau. Agriculture, Ecosystems and Environment, 2020, 292, 106833.	5.3	32
48	Ecosystem Health: Assessment Framework, Spatial Evolution, and Regional Optimization in Southwest China. Chinese Geographical Science, 2020, 30, 142-156.	3.0	16
49	EphA7 is required for otic epithelial homeostasis by modulating Claudin6 in Xenopus. Biochemical and Biophysical Research Communications, 2020, 526, 375-380.	2.1	2
50	Reconsidering the efficiency of grazing exclusion using fences on the Tibetan Plateau. Science Bulletin, 2020, 65, 1405-1414.	9.0	151
51	The Response of Vegetation Biomass to Soil Properties along Degradation Gradients of Alpine Meadow at Zoige Plateau. Chinese Geographical Science, 2020, 30, 446-455.	3.0	9
52	Precipitation-use efficiency may explain net primary productivity allocation under different precipitation conditions across global grassland ecosystems. Global Ecology and Conservation, 2019, 20, e00713.	2.1	14
53	Precipitation mediates the temporal dynamics of net primary productivity and precipitation use efficiency in Chinaâ€™s northern and southern forests. Annals of Forest Science, 2019, 76, 1.	2.0	11
54	Research trends on bats in China: A twenty-first century review. Mammalian Biology, 2019, 98, 163-172.	1.5	17

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55	Effects of climatic and grazing changes on desertification of alpine grasslands, Northern Tibet. Ecological Indicators, 2019, 107, 105647.	6.3	43
56	Degradation induces changes in the soil C:N:P stoichiometry of alpine steppe on the Tibetan Plateau. Journal of Mountain Science, 2019, 16, 2348-2360.	2.0	22
57	Vegetation type controls root turnover in global grasslands. Global Ecology and Biogeography, 2019, 28, 442-455.	5.8	46
58	Solar radiation regulates the leaf nitrogen and phosphorus stoichiometry across alpine meadows of the Tibetan Plateau. Agricultural and Forest Meteorology, 2019, 271, 92-101.	4.8	34
59	HMPA-Catalyzed Transfer Hydrogenation of 3-Carbonyl Pyridines and Other N-Heteroarenes with Trichlorosilane. Molecules, 2019, 24, 401.	3.8	6
60	Focus on economy or ecology? A threeâ€dimensional tradeâ€off based on ecological carrying capacity in southwest China. Natural Resource Modelling, 2019, 32, e12201.	2.0	17
61	The aridity index governs the variation of vegetation characteristics in alpine grassland, Northern Tibet Plateau. PeerJ, 2019, 7, e7272.	2.0	7
62	Predicting the distribution of Stipa purpurea across the Tibetan Plateau via the MaxEnt model. BMC Ecology, 2018, 18, 10.	3.0	106
63	Divergent biomass partitioning to aboveground and belowground across forests in China. Journal of Plant Ecology, 2018, 11, 484-492.	2.3	13
64	Grazing enhances soil nutrient effects: Tradeâ€offs between aboveground and belowground biomass in alpine grasslands of the Tibetan Plateau. Land Degradation and Development, 2018, 29, 337-348.	3.9	93
65	Plant coverage is more sensitive than species diversity in indicating the dynamics of the above-ground biomass along a precipitation gradient on the Tibetan Plateau. Ecological Indicators, 2018, 84, 507-514.	6.3	29
66	Soil acid cations induced reduction in soil respiration under nitrogen enrichment and soil acidification. Science of the Total Environment, 2018, 615, 1535-1546.	8.0	70
67	EphA7 regulates claudin6 and pronephros development in Xenopus. Biochemical and Biophysical Research Communications, 2018, 495, 1580-1587.	2.1	5
68	Soil conservation service on the Tibetan Plateau, 1984â€“2013. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2018, 109, 445-451.	0.3	4
69	A discrete wavelet spectrum approach for identifying non-monotonic trends in hydroclimate data. Hydrology and Earth System Sciences, 2018, 22, 757-766.	4.9	26
70	Rebirth after death: forest succession dynamics in response to climate change on Gongga Mountain, Southwest China. Journal of Mountain Science, 2018, 15, 1671-1681.	2.0	3
71	Linkages of the dynamics of glaciers and lakes with the climate elements over the Tibetan Plateau. Earth-Science Reviews, 2018, 185, 308-324.	9.1	86
72	Soil and vegetation carbon turnover times from tropical to boreal forests. Functional Ecology, 2018, 32, 71-82.	3.6	68

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73	Dynamics and Controls of Carbon Use Efficiency across Chinaâ€™s Grasslands. Polish Journal of Environmental Studies, 2018, 27, 1541-1550.	1.2	11
74	Spatio-temporal dynamics of two alpine treeline ecotones and ecological characteristics of their dominate species at the eastern margin of Qinghai-Xizang Plateau. Chinese Journal of Plant Ecology, 2018, 42, 1082-1093.	0.6	5
75	Effects of grazing on ecosystem structure and function of alpine grasslands in Qinghaiâ€“Tibetan Plateau: a synthesis. Ecosphere, 2017, 8, e01656.	2.2	163
76	Chemical diversity and incubation time affect non-additive responses of soil carbon and nitrogen cycling to litter mixtures from an alpine steppe soil. Soil Biology and Biochemistry, 2017, 109, 124-134.	8.8	28
77	Health risk assessment of Chinaâ€™s main air pollutants. BMC Public Health, 2017, 17, 212.	2.9	26
78	Net primary productivity and its partitioning in response to precipitation gradient in an alpine meadow. Scientific Reports, 2017, 7, 15193.	3.3	29
79	Effects of precipitation and temperature on net primary productivity and precipitation use efficiency across Chinaâ€™s grasslands. GIScience and Remote Sensing, 2017, 54, 881-897.	5.9	42
80	Accelerated Urban Expansion in Lhasa City and the Implications for Sustainable Development in a Plateau City. Sustainability, 2017, 9, 1499.	3.2	38
81	Temporal and Spatial Patterns of Chinaâ€™s Main Air Pollutants: Years 2014 and 2015. Atmosphere, 2017, 8, 137.	2.3	29
82	Spatial-Temporal Patterns and Controls of Evapotranspiration across the Tibetan Plateau (2000â€“2012). Advances in Meteorology, 2017, 2017, 1-12.	1.6	15
83	Assessing the ecological vulnerability of the upper reaches of the Minjiang River. PLoS ONE, 2017, 12, e0181825.	2.5	23
84	Initial shifts in nitrogen impact on ecosystem carbon fluxes in an alpine meadow: patterns and causes. Biogeosciences, 2017, 14, 3947-3956.	3.3	29
85	The Haze Nightmare Following the Economic Boom in China: Dilemma and Tradeoffs. International Journal of Environmental Research and Public Health, 2016, 13, 402.	2.6	21
86	Reductive Hydrazination with Trichlorosilane: A Method for the Preparation of 1,1-Disubstituted Hydrazines. Organic Letters, 2016, 18, 1900-1903.	4.6	17
87	EphA7 modulates apical constriction of hindbrain neuroepithelium during neurulation in Xenopus. Biochemical and Biophysical Research Communications, 2016, 479, 759-765.	2.1	5
88	The response of vegetation dynamics of the different alpine grassland types to temperature and precipitation on the Tibetan Plateau. Environmental Monitoring and Assessment, 2016, 188, 20.	2.7	82
89	Effects of soil nutrients and climate factors on belowground biomass in an alpine meadow in the source region of the Yangtze-Yellow rivers, Tibetan Plateau of China. Journal of Arid Land, 2016, 8, 881-889.	2.3	15
90	Chiral Lewis Baseâ€Catalyzed, Enantioselective Reduction of Unprotected Î²â€Enamino Esters with Trichlorosilane. Advanced Synthesis and Catalysis, 2016, 358, 1042-1047.	4.3	40

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91	Precipitation and temperature regulate the seasonal changes of NDVI across the Tibetan Plateau. Environmental Earth Sciences, 2016, 75, 1.	2.7	72
92	Global evidence on nitrogen saturation of terrestrial ecosystem net primary productivity. Environmental Research Letters, 2016, 11, 024012.	5.2	88
93	Soil nitrogen and carbon determine the trade-off of the above- and below-ground biomass across alpine grasslands, Tibetan Plateau. Ecological Indicators, 2016, 60, 1070-1076.	6.3	76
94	The Impact of Climate Change and Human Activity on Net Primary Production in Tibet. Polish Journal of Environmental Studies, 2016, 25, 2113-2120.	1.2	6
95	Carbon, nitrogen, and phosphorus storage in alpine grassland ecosystems of Tibet: effects of grazing exclusion. Ecology and Evolution, 2015, 5, 4492-4504.	1.9	79
96	Non-additive effects of litter diversity on greenhouse gas emissions from alpine steppe soil in Northern Tibet. Scientific Reports, 2015, 5, 17664.	3.3	8
97	Litter chemical structure is more important than species richness in affecting soil carbon and nitrogen dynamics including gas emissions from an alpine soil. Biology and Fertility of Soils, 2015, 51, 791-800.	4.3	34
98	Total synthesis of Sparstolonin B, a potent anti-inflammatory agent. RSC Advances, 2015, 5, 12354-12357.	3.6	17
99	Xenopus Claudin-6 is required for embryonic pronephros morphogenesis and terminal differentiation. Biochemical and Biophysical Research Communications, 2015, 462, 178-183.	2.1	12
100	Group Exchange between Ketones and Carboxylic Acids through Directing Group Assisted Rh-Catalyzed Reorganization of Carbon Skeletons. Journal of the American Chemical Society, 2015, 137, 5012-5020.	13.7	78
101	Relationships of Biomass with Environmental Factors in the Grassland Area of Hulunbuir, China. PLoS ONE, 2014, 9, e102344.	2.5	26
102	The altitudinal belts of subalpine virgin forest on Mt. Gongga simulated by a succession model. Journal of Mountain Science, 2014, 11, 1560-1570.	2.0	2
103	Direct alkenyl Câ€“H functionalization of cyclic enamines with carboxylic acids via Rh catalysis assisted by hydrogen bonding. Organic Chemistry Frontiers, 2014, 1, 634-638.	4.5	35
104	Chiral 2,3â€Đisubstituted Indolines from Indoles and Aldehydes by Organocatalyzed Tandem Synthesis Involving Reduction by Trichlorosilane. Advanced Synthesis and Catalysis, 2014, 356, 2224-2230.	4.3	30
105	Methyltrichlorosilane as an Effective Activation Agent for Swern Oxidation. Synthetic Communications, 2014, 44, 2961-2965.	2.1	3
106	Synthesis and biological evaluation of pyranoisoflavone derivatives as anti-inflammatory agents. FÃ¬toterapÃ¬Ã¢, 2014, 97, 172-183.	2.2	11
107	Effects of Grazing Regimes on Plant Traits and Soil Nutrients in an Alpine Steppe, Northern Tibetan Plateau. PLoS ONE, 2014, 9, e108821.	2.5	49
108	On the Variation of NDVI with the Principal Climatic Elements in the Tibetan Plateau. Remote Sensing, 2013, 5, 1894-1911.	4.0	119

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109	Biomass Partitioning and Its Relationship with the Environmental Factors at the Alpine Steppe in Northern Tibet. PLoS ONE, 2013, 8, e81986.	2.5	28
110	Formation of Chiral Î±â€Monofluorinatedâ€Î²â€amino Esters through Organocatalytic Asymmetric Reduction of Î±â€Fluoroâ€Î²â€enamino Esters by Trichlorosilane. Chinese Journal of Chemistry, 2012, 30, 2636-2640.	4.9	10
111	Estimates of evapotranspiration from MODIS and AMSR-E land surface temperature and moisture over the Southern Great Plains. Remote Sensing of Environment, 2012, 127, 44-59.	11.0	32
112	Organocatalytic Enantioselective Dipolar [3+2]â€‰Cycloadditions of Acetylenic Aldehydes with Nitrones for the Formation of Chiral 4â€Isoxazolines. Advanced Synthesis and Catalysis, 2012, 354, 359-363.	4.3	36
113	Tuning the optical properties of BODIPY dye through Cu(I) catalyzed azide-alkyne cycloaddition (CuAAC) reaction. Science China Chemistry, 2012, 55, 125-130.	8.2	19
114	Chiral Phosphoric Acid Catalyzed Enantioselective Allylation of Aldehydes with Allyltrichlorosilane. Chinese Journal of Chemistry, 2011, 29, 1669-1671.	4.9	7
115	Chiral N-formyl amino alcohol as Lewis basic organocatalyst for enantioselective hydrosilylation of ketimines. Science Bulletin, 2010, 55, 1726-1728.	1.7	6
116	A Facile and Efficient Approach to Nâ€Protectedâ€Î²â€Sulfinylâ€enamines via Câ€Sulfinylation of Enamides and Enecarbamates. Advanced Synthesis and Catalysis, 2010, 352, 1876-1880.	4.3	34
117	Rationallyâ€Designed Sâ€Chiral Bissulfinamides as Highly Enantioselective Organocatalysts for Reduction of Ketimines. Advanced Synthesis and Catalysis, 2008, 350, 619-623.	4.3	92
118	Rationallyâ€Designed Sâ€Chiral Bissulfinamides as Highly Enantioselective Organocatalysts for Reduction of Ketimines. Advanced Synthesis and Catalysis, 2008, 350, 787-787.	4.3	0
119	Facile Allylation of Nâ€Boc and Nâ€Cbz Imines with Allyltrichlorosilane promoted by DMF. Synthetic Communications, 2008, 38, 1003-1010.	2.1	12