Guozhen Du

List of Publications by Year
in descending order

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Version: 2024-02-01

69 papers	3,005 citations	201674 27 h-index	175258 52 g-index
69 all docs	69 docs citations	69 times ranked	3614 citing authors

#	Article	IF	Citations
1	Herbivores and nutrients control grassland plant diversity via light limitation. Nature, 2014, 508, 517-520.	27.8	669
2	Direct and indirect influences of 8â€ƒyr of nitrogen and phosphorus fertilization on Glomeromycota in an alpine meadow ecosystem. New Phytologist, 2012, 194, 523-535.	7.3	282
3	Plant speciesâ€™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. Nature Communications, 2015, 6, 7710.	12.8	143
4	Global change effects on plant communities are magnified by time and the number of global change factors imposed. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17867-17873.	7.1	141
5	Dynamics of arbuscular mycorrhizal fungal community structure and functioning along a nitrogen enrichment gradient in an alpine meadow ecosystem. New Phytologist, 2018, 220, 1222-1235.	7.3	119
6	Seed mass and germination in an alpine meadow on the eastern Tsinghaiâ€“Tibet plateau. Plant Ecology, 2007, 191, 127-149.	1.6	97
7	Grazing practices affect the soil microbial community composition in a Tibetan alpine meadow. Land Degradation and Development, 2019, 30, 49-59.	3.9	84
8	Geographic variation in seed mass within and among nine species of Pedicularis (Orobanchaceae): effects of elevation, plant size and seed number per fruit. Journal of Ecology, 2010, 98, 1232-1242.	4.0	79
9	The effects of long-term fertilization on the temporal stability of alpine meadow communities. Plant and Soil, 2011, 345, 315-324.	3.7	75
10	Community-wide germination strategies in an alpine meadow on the eastern Qinghai-Tibet plateau: phylogenetic and life-history correlates. Plant Ecology, 2008, 195, 87-98.	1.6	71
11	Linking grazing response of species abundance to functional traits in the Tibetan alpine meadow. Plant and Soil, 2010, 330, 215-223.	3.7	68
12	Impacts of altitude and position on the rates of soil nitrogen mineralization and nitrification in alpine meadows on the eastern Qinghaiâ€“Tibetan Plateau, China. Biology and Fertility of Soils, 2012, 48, 393-400.	4.3	68
13	The allometry of reproductive biomass in response to land use in Tibetan alpine grasslands. Functional Ecology, 2009, 23, 274-283.	3.6	67
14	The communityâ€level effect of light on germination timing in relation to seed mass: a source of regeneration niche differentiation. New Phytologist, 2014, 204, 496-506.	7.3	55
15	Seasonal dynamics in alpine meadow seed banksalong an altitudinal gradient on the Tibetan Plateau. Plant and Soil, 2010, 336, 291-302.	3.7	53
16	Interactive influence of light intensity and soil fertility on root-associated arbuscular mycorrhizal fungi. Plant and Soil, 2014, 378, 173-188.	3.7	53
17	Resource availability differentially drives community assemblages of plants and their root-associated arbuscular mycorrhizal fungi. Plant and Soil, 2015, 386, 341-355.	3.7	53
18	Soil seed bank dynamics in alpine wetland succession on the Tibetan Plateau. Plant and Soil, 2011, 346, 19-28.	3.7	52

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19	Root-shoot competition interactions cause diversity loss after fertilization: a field experiment in an alpine meadow on the Tibetan Plateau. Journal of Plant Ecology, 2011, 4, 138-146.	2.3	48
20	Trade-offs between flowering time, plant height, and seed size within and across 11 communities of a QingHai-Tibetan flora. Plant Ecology, 2010, 209, 321-333.	1.6	41
21	High soil<scp>pH</scp>enhances the network interactions among bacterial and archaeal microbiota in alpine grasslands of the Tibetan Plateau. Environmental Microbiology, 2021, 23, 464-477.	3.8	38
22	Relationships between Flowering Phenology and Functional Traits in Eastern Tibet Alpine Meadow. Arctic, Antarctic, and Alpine Research, 2011, 43, 585-592.	1.1	37
23	Direct and indirect effects of temperature and precipitation on alpine seed banks in the Tibetan Plateau. Ecological Applications, 2020, 30, e02096.	3.8	35
24	Grazing disturbance increases transient but decreases persistent soil seed bank. Ecological Applications, 2018, 28, 1020-1031.	3.8	34
25	How do soil microâ€organisms respond to N, P and NP additions? Application of the ecological framework of (coâ€)limitation by multiple resources. Journal of Ecology, 2019, 107, 2329-2345.	4.0	33
26	Disentangling ecological, allometric and evolutionary determinants of the relationship between seed mass and elevation: insights from multiple analyses of 1355 angiosperm species on the eastern Tibetan Plateau. Oikos, 2014, 123, 23-32.	2.7	32
27	Soil Seed Banks, Alternative Stable State Theory, and Ecosystem Resilience. BioScience, 2021, 71, 697-707.	4.9	31
28	Differential Mechanisms Drive Species Loss Under Artificial Shade and Fertilization in the Alpine Meadow of the Tibetan Plateau. Frontiers in Plant Science, 2022, 13, 832473.	3.6	24
29	Role of the Soil Seed Bank during Succession in a Subalpine Meadow on the Tibetan Plateau. Arctic, Antarctic, and Alpine Research, 2009, 41, 469-477.	1.1	23
30	Shift in community functional composition following nitrogen fertilization in an alpine meadow through intraspecific trait variation and community composition change. Plant and Soil, 2018, 431, 289-302.	3.7	23
31	Seed banks trigger ecological resilience in subalpine meadows abandoned after arable farming on the Tibetan Plateau. Ecological Applications, 2019, 29, e01959.	3.8	23
32	Planting accelerates restoration of tropical forest but assembly mechanisms appear insensitive to initial composition. Journal of Applied Ecology, 2018, 55, 986-996.	4.0	22
33	Phylogenetic conservatism and climate factors shape flowering phenology in alpine meadows. Oecologia, 2016, 182, 419-428.	2.0	20
34	The Evolutionary Significance of Seed Germinability in an Alpine Meadow on The Eastern Qinghai-Tibet Plateau. Arctic, Antarctic, and Alpine Research, 2009, 41, 97-102.	1.1	17
35	Variation in seed germination of 86 subalpine forest species from the eastern Tibetan Plateau: phylogeny and lifeâ€history correlates. Ecological Research, 2012, 27, 453-465.	1.5	17
36	Very fast-germinating seeds of desert species are cryptoviparous-like. Seed Science Research, 2013, 23, 163-167.	1.7	17

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37	Direct and indirect effects of long-term fertilization on the stability of the persistent seed bank. Plant and Soil, 2019, 438, 239-250.	3.7	15
38	Contrasting understorey species responses to the canopy and root effects of a dominant shrub drive community composition. Journal of Vegetation Science, 2017, 28, 1118-1127.	2.2	14
39	The effect of light and seed mass on seed germination of common herbaceous species from the eastern <scp>Q</scp>inghaiâ€<scp>T</scp>ibet <scp>P</scp>lateau. Plant Species Biology, 2017, 32, 263-269.	1.0	14
40	Resource availability, species composition and sown density effects on productivity of experimental plant communities. Plant and Soil, 2011, 344, 177-186.	3.7	13
41	Higher Abundance of Ammonia Oxidizing Archaea than Ammonia Oxidizing Bacteria and Their Communities in Tibetan Alpine Meadow Soils under Long-term Nitrogen Fertilization. Geomicrobiology Journal, 2014, 31, 597-604.	2.0	13
42	Untangling interacting mechanisms of seed mass variation with elevation: insights from the comparison of inter-specific and intra-specific studies on eastern Tibetan angiosperm species. Plant Ecology, 2015, 216, 283-292.	1.6	13
43	Diversity effects under different nutrient addition and cutting frequency environments in experimental plant communities. Ecological Research, 2017, 32, 611-619.	1.5	11
44	Phenological variation of flower longevity and duration of sex phases in a protandrous alpine plant: potential causes and fitness significance. BMC Plant Biology, 2020, 20, 137.	3.6	11
45	Elevation filters seed traits and germination strategies in the eastern Tibetan Plateau. Ecography, 2021, 44, 242-254.	4.5	11
46	Effects of clipping on diversity and aboveâ€ground biomass associated with soil fertility on an alpine meadow in the eastern region of the Qinghaiâ€Tibetan Plateau. New Zealand Journal of Agricultural Research, 2007, 50, 361-368.	1.6	10
47	Light-dependent associations of germination timing with subsequent life-history traits and maternal habitats for 476 angiosperm species of the eastern Tibetan Plateau grasslands. Seed Science Research, 2014, 24, 207-215.	1.7	10
48	Biological traits are correlated with elevational distribution range of eastern Tibetan herbaceous species. Plant Ecology, 2014, 215, 1187-1198.	1.6	10
49	Increased community compositional dissimilarity alleviates species loss following nutrient enrichment at large spatial scales. Journal of Plant Ecology, 2019, 12, 376-386.	2.3	10
50	Relative Importance of Deterministic and Stochastic Processes in Driving Arbuscular Mycorrhizal Fungal Assemblage during the Spreading of a Toxic Plant. PLoS ONE, 2014, 9, e95672.	2.5	9
51	Light-dependent associations of germination proportion with seed mass in alpine grasslands of the Qinghai-Tibet plateau. Ecological Engineering, 2017, 105, 306-313.	3.6	9
52	SRU_D: A simple nonâ€destructive method for accurate quantification of plant diversity dynamics. Journal of Ecology, 2019, 107, 2155-2166.	4.0	9
53	Effects of Water Level on Three Wetlands Soil Seed Banks on the Tibetan Plateau. PLoS ONE, 2014, 9, e101458.	2.5	9
54	Space resource utilisation: a novel indicator to quantify species competitive ability for light. Scientific Reports, 2015, 5, 16832.	3.3	8

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55	Stature of dependent forbs is more related to the direct and indirect aboveâ€•and belowâ€ground effects of a subalpine shrub than are foliage traits. Journal of Vegetation Science, 2019, 30, 403-412.	2.2	8
56	Direct and indirect facilitation affect community productivity through changes in functional diversity in an alpine system. Annals of Botany, 2021, 127, 241-249.	2.9	8
57	Variations of flower size and reproductive traits in self-incompatible Trollius ranunculoides (Ranunculaceae) among local habitats at Alpine Meadow. Plant Ecology, 2007, 193, 241-251.	1.6	7
58	Habitat-specific responses of leaf traits to soil water conditions in species from a novel alpine swamp meadow community. , 2015, 3, cov046.		7
59	Current biogeographical roles of the Kunlun Mountains. Ecology and Evolution, 2022, 12, e8493.	1.9	6
60	The Complex Biodiversity-Ecosystem Function Relationships for the Qinghai-Tibetan Grassland Community. Frontiers in Plant Science, 2021, 12, 772503.	3.6	5
61	Aboveground facilitation and not complementary resource use cause overyielding among grasses in Tibetan alpine ecosystems. Folia Geobotanica, 2018, 53, 365-376.	0.9	4
62	Light plasticity of germination on the eastern Tibetan Plateau: Phylogeny, trait, and environmental correlates. Journal of Plant Physiology, 2022, 272, 153670.	3.5	4
63	Seed germinating characteristics of 54 gramineous species in the alpine meadow on the eastern Qinghai-Tibet plateau. Frontiers of Biology in China: Selected Publications From Chinese Universities, 2008, 3, 187-193.	0.2	3
64	Current patterns of plant diversity and phylogenetic structure on the Kunlun Mountains. Plant Diversity, 2022, 44, 30-38.	3.7	3
65	Large-Scale Patterns of Soil Nematodes across Grasslands on the Tibetan Plateau: Relationships with Climate, Soil and Plants. Diversity, 2021, 13, 369.	1.7	3
66	Plasticity of reproductive traits responding to variation in light availability at the rosette stage of the first year in a strict biennial, Pedicularis torta, from a field on the Qinghai-Tibet Plateau, China. Plant Species Biology, 2011, 26, 105-110.	1.0	2
67	N-Induced Species Loss Dampened by Clipping Mainly Through Suppressing Dominant Species in an Alpine Meadow. Frontiers in Plant Science, 2022, 13, 815011.	3.6	2
68	Role of seed bank in aboveground vegetation regeneration signal ecosystem transition from arid grassland to shrubland with decreasing soil moisture. Plant and Soil, 2021, 466, 193-205.	3.7	0
69	The Evolutionary Significance of Seed Germinability in an Alpine Meadow on The Eastern Qinghai-Tibet Plateau. Arctic, Antarctic, and Alpine Research, 2009, 41, 97-102.	1.1	0