Liang-Dong Guo

List of Publications by Year
in descending order

63	5,399	186265 28	128289 60
papers	citations	h-index	g-index

63	63	63	7032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global diversity and geography of soil fungi. Science, 2014, 346, 1256688.	12.6	2,513
2	Community assembly during secondary forest succession in a Chinese subtropical forest. Ecological Monographs, 2011, 81, 25-41.	5.4	222
3	A multi-locus backbone tree for Pestalotiopsis, with a polyphasic characterization of 14 new species. Fungal Diversity, 2012, 56, 95-129.	12.3	211
4	Pestalotiopsisâ€”morphology, phylogeny, biochemistry and diversity. Fungal Diversity, 2011, 50, 167-187.	12.3	198
5	Community composition of endophytic fungi in Acer truncatum and their role in decomposition. Fungal Diversity, 2011, 47, 85-95.	12.3	178
6	Phyllosphere epiphytic and endophytic fungal community and network structures differ in a tropical mangrove ecosystem. Microbiome, 2019, 7, 57.	11.1	146
7	Host plant genusâ€level diversity is the best predictor of ectomycorrhizal fungal diversity in a Chinese subtropical forest. Molecular Ecology, 2013, 22, 3403-3414.	3.9	133
8	Seasonal and Tissue Age Influences on Endophytic Fungi of Pinus tabulaeformis (Pinaceae) in the Dongling Mountains, Beijing. Journal of Integrative Plant Biology, 2008, 50, 997-1003.	8.5	115
9	Community assembly of ectomycorrhizal fungi along a subtropical secondary forest succession. New Phytologist, 2015, 205, 771-785.	7.3	107
10	Arbuscular mycorrhizal fungal community response to warming and nitrogen addition in a semiarid steppe ecosystem. Mycorrhiza, 2015, 25, 267-276.	2.8	92
11	Differential responses of arbuscular mycorrhizal fungi to nitrogen addition in a near pristine Tibetan alpine meadow. FEMS Microbiology Ecology, 2014, 89, 594-605.	2.7	79
12	Increased precipitation, rather than warming, exerts a strong influence on arbuscular mycorrhizal fungal community in a semiarid steppe ecosystem. Botany, 2016, 94, 459-469.	1.0	78
13	Response of endophytic fungi of Stipa grandis to experimental plant function group removal in Inner Mongolia steppe, China. Fungal Diversity, 2010, 43, 93-101.	12.3	73
14	Cultural studies coupled with DNA based sequence analyses and its implication on pigmentation as a phylogenetic marker in Pestalotiopsis taxonomy. Molecular Phylogenetics and Evolution, 2010, 57, 528-535.	2.7	67
15	The Arbuscular Mycorrhizal Fungal Community Response to Warming and Grazing Differs between Soil and Roots on the Qinghai-Tibetan Plateau. PLoS ONE, 2013, 8, e76447.	2.5	67
16	Relationships between soil fungal and woody plant assemblages differ between ridge and valley habitats in a subtropical mountain forest. New Phytologist, 2017, 213, 1874-1885.	7.3	67
17	Arbuscular mycorrhizal fungi in non-grazed, restored and over-grazed grassland in the Inner Mongolia steppe. Mycorrhiza, 2007, 17, 689-693.	2.8	62
18	Pestalotiopsis species associated with Camellia sinensis (tea). Mycotaxon, 2013, 123, 47-61.	0.3	52

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19	A destructive new disease of Syzygium samarangense in Thailand caused by the new species Pestalotiopsis samarangensis. Tropical Plant Pathology, 2013, 38, 227-235.	1.5	50
20	Arbuscular mycorrhizal fungi associated with common pteridophytes in Dujiangyan, southwest China. Mycorrhiza, 2004, 14, 25-30.	2.8	49
21	Arbuscular mycorrhizal structure and fungi associated with mosses. Mycorrhiza, 2007, 17, 319-325.	2.8	46
22	Dryland forest management alters fungal community composition and decouples assembly of root- and soil-associated fungal communities. Soil Biology and Biochemistry, 2017, 109, 14-22.	8.8	39
23	Improving the backbone tree for the genus Pestalotiopsis; addition of P. steyaertii and P. magna sp. nov.. Mycological Progress, 2014, 13, 617-624.	1.4	37
24	Community structure of endophytic fungi of four mangrove species in Southern China. Mycology, 2016, 7, 180-190.	4.4	37
25	Host Phylogeny Is a Major Determinant of Fagaceae-Associated Ectomycorrhizal Fungal Community Assembly at a Regional Scale. Frontiers in Microbiology, 2018, 9, 2409.	3.5	36
26	New Azaphilones and Chlorinated Phenolic Glycosides from Chaetomium elatum with Caspase-3 Inhibitory Activity. Planta Medica, 2012, 78, 1683-1689.	1.3	34
27	Plant Identity Exerts Stronger Effect than Fertilization on Soil Arbuscular Mycorrhizal Fungi in a Sown Pasture. Microbial Ecology, 2016, 72, 647-658.	2.8	32
28	Ectomycorrhizal fungus communities of Quercus liaotungensis Koidz of different ages in a northern China temperate forest. Mycorrhiza, 2012, 22, 461-470.	2.8	31
29	Pseudopestalotiopsis ignota and Ps. camelliae spp. nov. associated with grey blight disease of tea in China. Mycological Progress, 2016, 15, 1.	1.4	31
30	Phylogenetic relatedness explains highly interconnected and nested symbiotic networks of woody plants and arbuscular mycorrhizal fungi in a Chinese subtropical forest. Molecular Ecology, 2017, 26, 2563-2575.	3.9	31
31	Effect of drought and season on arbuscular mycorrhizal fungi in a subtropical secondary forest. Fungal Ecology, 2019, 41, 107-115.	1.6	30
32	Diversity and community of culturable endophytic fungi from stems and roots of desert halophytes in northwest China. MycoKeys, 2020, 62, 75-95.	1.9	30
33	Host plant phylogeny and geographic distance strongly structure Betulaceae-associated ectomycorrhizal fungal communities in Chinese secondary forest ecosystems. FEMS Microbiology Ecology, 2019, 95, .	2.7	28
34	Micronematobotrys, a new genus and its phylogenetic placement based on rDNA sequence analyses. Mycological Progress, 2010, 9, 567-574.	1.4	22
35	Tree mycorrhizal type and tree diversity shape the forest soil microbiota. Environmental Microbiology, 2022, 24, 4236-4255.	3.8	22
36	Seasonality and host preference of arbuscular mycorrhizal fungi of five plant species in the inner Mongolia steppe, China. Brazilian Journal of Microbiology, 2011, 42, 57-65.	2.0	21

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37	Ectomycorrhizal community composition of Pinus tabulaeformis assessed by ITS-RFLP and ITS sequences. Botany, 2010, 88, 590-595.	1.0	20
38	Ectomycorrhizae associated with Castanopsis fargesii (Fagaceae) in a subtropical forest, China. Mycological Progress, 2011, 10, 323-332.	1.4	20
39	Arbuscular mycorrhizal fungal community composition affected by original elevation rather than translocation along an altitudinal gradient on the Qinghai-Tibet Plateau. Scientific Reports, 2016, 6, 36606.	3.3	20
40	Phosphorus fertilization rather than nitrogen fertilization, growing season and plant successional stage structures arbuscular mycorrhizal fungal community in a subtropical forest. Biology and Fertility of Soils, 2021, 57, 685-697.	4.3	20
41	Assembly processes lead to divergent soil fungal communities within and among 12 forest ecosystems along a latitudinal gradient. New Phytologist, 2021, 231, 1183-1194.	7.3	20
42	Two new Pythium species from China based on the morphology and DNA sequence data. Mycological Progress, 2012, 11, 689-698.	1.4	19
43	Host identity is more important in structuring bacterial epiphytes than endophytes in a tropical mangrove forest. FEMS Microbiology Ecology, 2020, 96, .	2.7	19
44	Genetic diversity of an ectomycorrhizal fungus Tricholoma terreum in a Larix principis-rupprechtii stand assessed using random amplified polymorphic DNA. Mycorrhiza, 2003, 13, 265-270.	2.8	18
45	Sporormiellin A, the first tetrahydrofuran-fused furochromone with an unprecedented tetracyclic skeleton from Sporormiella minima. RSC Advances, 2014, 4, 24295-24299.	3.6	16
46	Arbuscular mycorrhizal fungus identity and diversity influence subtropical tree competition. Fungal Ecology, 2016, 20, 115-123.	1.6	16
47	Different responses of arbuscular mycorrhizal fungal community to day-time and night-time warming in a semiarid steppe. Science Bulletin, 2014, 59, 5080-5089.	1.7	15
48	Community Assembly of Endophytic Fungi in Ectomycorrhizae of Betulaceae Plants at a Regional Scale. Frontiers in Microbiology, 2019, 10, 3105.	3.5	14
49	Spatial structure and diversity of woody plants and ectomycorrhizal fungus sporocarps in a natural subtropical forest. Mycorrhiza, 2007, 17, 271-278.	2.8	13
50	Changes in arbuscular mycorrhizal fungus community along an exotic plant Eupatorium adenophorum invasion in a chinese secondary forest. Journal of Microbiology, 2013, 51, 295-300.	2.8	13
51	A New Xanthone Glycoside from the Endolichenic Fungus Sporormiella irregularis. Molecules, 2016, 21, 764.	3.8	13
52	A comparative study of arbuscular mycorrhizal fungi in forest, grassland and cropland in the Tibetan Plateau, China. Mycology, 2010, 1, 163-170.	4.4	12
53	Pestalotiopsis yunnanensis sp. nov., an endophyte from Podocarpus macrophyllus (Podocarpaceae) based on morphology and ITS sequence data. Mycological Progress, 2013, 12, 563-568.	1.4	11
54	Two new species, Pythium agreste and P. wuhanense, based on morphological characteristics and DNA sequence data. Mycological Progress, 2014, 13, 145-155.	1.4	9

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55	Late Quaternary climate change explains soil fungal community composition rather than fungal richness in forest ecosystems. Ecology and Evolution, 2019, 9, 6678-6692.	1.9	9
56	Plant identity strongly structures the root-associated fungal community in a diverse subtropical forest. Basic and Applied Ecology, 2021, 55, 98-109.	2.7	9
57	Host plant richness explains diversity of ectomycorrhizal fungi: Response to the comment of Tedersoo etÂal. (2014). Molecular Ecology, 2014, 23, 996-999.	3.9	6
58	Response of arbuscular mycorrhizal fungal community in soil and roots to grazing differs in a wetland on the Qinghai-Tibet plateau. PeerJ, 2020, 8, e9375.	2.0	6
59	Molecular Diversity and Identification of Endophytic Fungi. , 2010, , 277-296.		4
60	Presidential address: recent advance of mycorrhizal research in China. Mycology, 2018, 9, 1-6.	4.4	4
61	Sporormminone A and 2-epi-sporormminone A, two new chromones from an endolichenic fungus Sporormiella irregularis. Natural Product Research, 2020, 34, 3117-3124.	1.8	3
62	Specific network and phylosymbiosis pattern in endophyte community of coastal halophytes. Fungal Ecology, 2021, 53, 101088.	1.6	3
63	Effects of ectomycorrhizal fungal identity and diversity on subtropical tree competition. Journal of Plant Ecology, 0, , rtw060.	2.3	1