

Hong-Lang Duan

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,009
citations

361296

20
h-index

254106

43
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51
all docs

51
docs citations

51
times ranked

3111
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological and Biochemical Dynamics of <i>Pinus massoniana</i> Lamb. Seedlings under Extreme Drought Stress and during Recovery. <i>Forests</i> , 2022, 13, 65.	0.9	13
2	Testing the limits of plant drought stress and subsequent recovery in four provenances of a widely distributed subtropical tree species. <i>Plant, Cell and Environment</i> , 2022, 45, 1187-1203.	2.8	13
3	Effects of long-term nitrogen addition on water use by <i>Cunninghamia lanceolata</i> in a subtropical plantation. <i>Ecosphere</i> , 2022, 13, .	1.0	2
4	Responses of intra-annual runoff to forest recovery patterns in subtropical China. <i>Journal of Forestry Research</i> , 2021, 32, 1479-1488.	1.7	2
5	Heat waves intensify the effects of drought on bacterial diversity but not community composition in <i>Solanum lycopersicum</i> soil. <i>Journal of Soils and Sediments</i> , 2021, 21, 355-363.	1.5	6
6	Stoichiometric traits (N:P) of understory plants contribute to reductions in plant diversity following long-term nitrogen addition in subtropical forest. <i>Ecology and Evolution</i> , 2021, 11, 4243-4251.	0.8	8
7	Reduced photosynthetic thermal acclimation capacity under elevated ozone in poplar (<i>Populus</i>) Tj ETQq1 1 0.784314 rgBJ /Overlock 4.2	1.7	1
8	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	2.4	73
9	Effects of exogenous 3-indoleacetic acid and cadmium stress on the physiological and biochemical characteristics of <i>Cinnamomum camphora</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 109998.	2.9	43
10	Modeling Light Response of Electron Transport Rate and Its Allocation for Ribulose Biphosphate Carboxylation and Oxygenation. <i>Frontiers in Plant Science</i> , 2020, 11, 581851.	1.7	1
11	Assessing hydrological responses to reforestation and fruit tree planting in a sub-tropical forested watershed using a combined research approach. <i>Journal of Hydrology</i> , 2020, 590, 125480.	2.3	9
12	Effects of drought regimes on growth and physiological traits of a typical shrub species in subtropical China. <i>Global Ecology and Conservation</i> , 2020, 24, e01269.	1.0	6
13	The decoupling between gas exchange and water potential of <i>Cinnamomum camphora</i> seedlings during drought recovery and its relation to ABA accumulation in leaves. <i>Journal of Plant Ecology</i> , 2020, 13, 683-692.	1.2	9
14	Divergent effects of a 6-year warming experiment on the nutrient productivities of subtropical tree species. <i>Forest Ecology and Management</i> , 2020, 461, 117952.	1.4	8
15	Quantifying Light Response of Leaf-Scale Water-Use Efficiency and Its Interrelationships With Photosynthesis and Stomatal Conductance in C3 and C4 Species. <i>Frontiers in Plant Science</i> , 2020, 11, 374.	1.7	16
16	Comparing two measures of leaf photorespiration rate across a wide range of light intensities. <i>Journal of Plant Physiology</i> , 2019, 240, 153002.	1.6	5
17	Long-term nitrogen addition changes soil microbial community and litter decomposition rate in a subtropical forest. <i>Applied Soil Ecology</i> , 2019, 142, 43-51.	2.1	52
18	Contrasting drought sensitivity and post-drought resilience among three co-occurring tree species in subtropical China. <i>Agricultural and Forest Meteorology</i> , 2019, 272-273, 55-68.	1.9	29

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19	Effects of elevated carbon dioxide and elevated temperature on morphological, physiological and anatomical responses of <i>Eucalyptus tereticornis</i> along a soil phosphorus gradient. <i>Tree Physiology</i> , 2019, 39, 1821-1837.	1.4	13
20	Soil N/P and C/P ratio regulate the responses of soil microbial community composition and enzyme activities in a long-term nitrogen loaded Chinese fir forest. <i>Plant and Soil</i> , 2019, 436, 91-107.	1.8	73
21	Competition increased fine root biomass in Chinese fir (<i>Cunninghamia lanceolata</i>) plantations in Subtropical China. <i>Forest Ecology and Management</i> , 2019, 435, 151-157.	1.4	28
22	Effects of drought and nitrogen addition on growth and leaf physiology of <i>Pinus massoniana</i> seedlings. <i>Pakistan Journal of Botany</i> , 2019, 51, .	0.2	4
23	Nutrient leaching of Chinese fir (<i>Cunninghamia lanceolata</i>) seedlings under simulated nitrogen deposition. <i>Pakistan Journal of Botany</i> , 2019, 51, .	0.2	0
24	CO ₂ and temperature effects on morphological and physiological traits affecting risk of drought-induced mortality. <i>Tree Physiology</i> , 2018, 38, 1138-1151.	1.4	41
25	Dry mass production, allocation patterns and water use efficiency of two conifers with different water use strategies under elevated [CO ₂], warming and drought conditions. <i>European Journal of Forest Research</i> , 2018, 137, 605-618.	1.1	19
26	Effects of biochar application on root traits: a meta-analysis. <i>GCB Bioenergy</i> , 2017, 9, 1563-1572.	2.5	184
27	Individual size but not additional nitrogen regulates tree carbon sequestration in a subtropical forest. <i>Scientific Reports</i> , 2017, 7, 46293.	1.6	5
28	Estimations of evapotranspiration in an age sequence of <i>Eucalyptus</i> plantations in subtropical China. <i>PLoS ONE</i> , 2017, 12, e0174208.	1.1	16
29	A multi-species synthesis of physiological mechanisms in drought-induced tree mortality. <i>Nature Ecology and Evolution</i> , 2017, 1, 1285-1291.	3.4	739
30	Effects of soil organic carbon on soil reservoir capacity after forest restoration in degraded red soil. <i>Acta Ecologica Sinica</i> , 2017, 37, .	0.0	0
31	Effects of artificially restored forests on soil organic carbon and active organic carbon in eroded red soil. <i>Acta Ecologica Sinica</i> , 2017, 37, .	0.0	1
32	Hydrological recovery in two large forested watersheds of southeastern China: the importance of watershed properties in determining hydrological responses to reforestation. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4747-4756.	1.9	24
33	Individual and interactive effects of drought and heat on leaf physiology of seedlings in an economically important crop. <i>AoB PLANTS</i> , 2016, , plw090.	1.2	21
34	Warming effects on photosynthesis of subtropical tree species: a translocation experiment along an altitudinal gradient. <i>Scientific Reports</i> , 2016, 6, 24895.	1.6	22
35	Elevated temperature is more effective than elevated [CO ₂] in exposing genotypic variation in <i>Telopea speciosissima</i> growth plasticity: implications for woody plant populations under climate change. <i>Global Change Biology</i> , 2015, 21, 3800-3813.	4.2	24
36	Drought responses of two gymnosperm species with contrasting stomatal regulation strategies under elevated [CO ₂] and temperature. <i>Tree Physiology</i> , 2015, 35, 756-770.	1.4	66

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37	Nitrogen and phosphorus productivities of five subtropical tree species in response to elevated CO ₂ and N addition. <i>European Journal of Forest Research</i> , 2015, 134, 845-856.	1.1	16
38	Drought increases heat tolerance of leaf respiration in <i>Eucalyptus globulus</i> saplings grown under both ambient and elevated atmospheric [CO ₂] and temperature. <i>Journal of Experimental Botany</i> , 2014, 65, 6471-6485.	2.4	34
39	Shifts in soil phosphorus fractions under elevated CO ₂ and N addition in model forest ecosystems in subtropical China. <i>Plant Ecology</i> , 2014, 215, 1373-1384.	0.7	31
40	Effects of light irradiance on stomatal regulation and growth of tomato. <i>Environmental and Experimental Botany</i> , 2014, 98, 65-73.	2.0	56
41	Elevated [CO ₂] does not ameliorate the negative effects of elevated temperature on drought-induced mortality in <i>Eucalyptus radiata</i> seedlings. <i>Plant, Cell and Environment</i> , 2014, 37, 1598-1613.	2.8	108
42	Carbon dynamics of eucalypt seedlings exposed to progressive drought in elevated [CO ₂] and elevated temperature. <i>Tree Physiology</i> , 2013, 33, 779-792.	1.4	91
43	Changes in leaf nutrient traits and photosynthesis of four tree species: effects of elevated [CO ₂], N fertilization and canopy positions. <i>Journal of Plant Ecology</i> , 2012, 5, 376-390.	1.2	28
44	Effects of Carbon Dioxide Enrichment and Nitrogen Addition on Inorganic Carbon Leaching in Subtropical Model Forest Ecosystems. <i>Ecosystems</i> , 2011, 14, 683-697.	1.6	13
45	Photosynthesis acclimation, leaf nitrogen concentration, and growth of four tree species over 3 years in response to elevated carbon dioxide and nitrogen treatment in subtropical China. <i>Journal of Soils and Sediments</i> , 2011, 11, 1155-1164.	1.5	17
46	Carbon dynamics in subtropical forest soil: effects of atmospheric carbon dioxide enrichment and nitrogen addition. <i>Journal of Soils and Sediments</i> , 2010, 10, 730-738.	1.5	28
47	High N Storage but Low N Recovery After Long-Term N-Fertilization in a Subtropical <i>Cunninghamia lanceolata</i> Plantation Ecosystem: A 14-Year Case Study. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0