

Dan Wang

List of Publications by Year in descending order

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27
papers

1,322
citations

394421

19
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

2413
citing authors

#	ARTICLE	IF	CITATIONS
1	A meta-analysis of plant physiological and growth responses to temperature and elevated CO ₂ . <i>Oecologia</i> , 2012, 169, 1-13.	2.0	270
2	Facilitating feedbacks between field measurements and ecosystem models. <i>Ecological Monographs</i> , 2013, 83, 133-154.	5.4	137
3	Effects of elevated CO ₂ on the tolerance of photosynthesis to acute heat stress in C ₃ , C ₄ , and CAM species. <i>American Journal of Botany</i> , 2008, 95, 165-176.	1.7	109
4	A quantitative assessment of a terrestrial biosphere model's data needs across North American biomes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 286-300.	3.0	92
5	A quantitative review comparing the yield of switchgrass in monocultures and mixtures in relation to climate and management factors. <i>GCB Bioenergy</i> , 2010, 2, 16-25.	5.6	83
6	Interactive Effects of Elevated CO ₂ and Growth Temperature on the Tolerance of Photosynthesis to Acute Heat Stress in C ₃ and C ₄ Species. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1375-1387.	8.5	70
7	Diversity in stomatal function is integral to modelling plant carbon and water fluxes. <i>Nature Ecology and Evolution</i> , 2017, 1, 1292-1298.	7.8	67
8	Impact of nitrogen allocation on growth and photosynthesis of <i>Miscanthus</i> (<i>Miscanthus</i> – <i>Agiganteus</i>). <i>GCB Bioenergy</i> , 2012, 4, 688-697.	5.6	61
9	Timing Effects of Heat-Stress on Plant Ecophysiological Characteristics and Growth. <i>Frontiers in Plant Science</i> , 2016, 7, 1629.	3.6	46
10	BETYdb: a yield, trait, and ecosystem service database applied to second-generation bioenergy feedstock production. <i>GCB Bioenergy</i> , 2018, 10, 61-71.	5.6	40
11	Plant Physiological, Morphological and Yield-Related Responses to Night Temperature Changes across Different Species and Plant Functional Types. <i>Frontiers in Plant Science</i> , 2016, 7, 1774.	3.6	39
12	Predicting yields of short-rotation hybrid poplar (<i>Populus</i> spp.) for the United States through model data synthesis. <i>Ecological Applications</i> , 2013, 23, 944-958.	3.8	36
13	A physiological and biophysical model of coppice willow (<i>Salix</i> spp.) production yields for the contiguous USA in current and future climate scenarios. <i>Plant, Cell and Environment</i> , 2015, 38, 1850-1865.	5.7	30
14	Effects of N on Plant Response to Heatwave: A Field Study with Prairie Vegetation. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1416-1425.	8.5	27
15	Induced Pib Expression and Resistance to <i>Magnaporthe grisea</i> are Compromised by Cytosine Demethylation at Critical Promoter Regions in Rice. <i>Journal of Integrative Plant Biology</i> , 2011, 53, 814-823.	8.5	24
16	Harvesting Carbon from Eastern US Forests: Opportunities and Impacts of an Expanding Bioenergy Industry. <i>Forests</i> , 2012, 3, 370-397.	2.1	24
17	Comparing predicted yield and yield stability of willow and <i>Miscanthus</i> across Denmark. <i>GCB Bioenergy</i> , 2016, 8, 1061-1070.	5.6	24
18	Diurnal and Seasonal Variations in the Photosynthetic Characteristics and the Gas Exchange Simulations of Two Rice Cultivars Grown at Ambient and Elevated CO ₂ . <i>Frontiers in Plant Science</i> , 2021, 12, 651606.	3.6	22

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19	Interactive Effects of Elevated CO ₂ and Ozone on Leaf Thermotolerance in Field-grown <i>Glycine max</i> . <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1396-1405.	8.5	20
20	Impact of a short-term heat event on C and N relations in shoots vs. roots of the stress-tolerant C4 grass, <i>Andropogon gerardii</i> . <i>Journal of Plant Physiology</i> , 2014, 171, 977-985.	3.5	20
21	Effects of CO ₂ on the tolerance of photosynthesis to heat stress can be affected by photosynthetic pathway and nitrogen. <i>American Journal of Botany</i> , 2014, 101, 34-44.	1.7	17
22	Ecophysiological screening of tree species for biomass production: trade-off between production and water use. <i>Ecosphere</i> , 2013, 4, art138.	2.2	16
23	Acclimation of photosynthetic tolerance to acute heat stress at elevated CO ₂ and N. <i>Plant Science</i> , 2014, 226, 162-171.	3.6	10
24	Effects of 8-Year Nitrogen and Phosphorus Treatments on the Ecophysiological Traits of Two Key Species on Tibetan Plateau. <i>Frontiers in Plant Science</i> , 2018, 9, 1290.	3.6	10
25	Hyperspectral Estimation Models of Winter Wheat Chlorophyll Content Under Elevated CO ₂ . <i>Frontiers in Plant Science</i> , 2021, 12, 642917.	3.6	10
26	Analyzing the impact of climate and management factors on the productivity and soil carbon sequestration of poplar plantations. <i>Environmental Research</i> , 2016, 144, 88-95.	7.5	9
27	Warming Treatment Methodology Affected the Response of Plant Ecophysiological Traits to Temperature Increases: A Quantitative Meta-Analysis. <i>Frontiers in Plant Science</i> , 2019, 10, 957.	3.6	9