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	Hyperspectral Estimation Models of Winter Wheat Chlorophyll Content Under Elevated CO2. Frontiers in Plant Science, 2021, 12, 642917.	3.6	10
2	Diurnal and Seasonal Variations in the Photosynthetic Characteristics and the Gas Exchange Simulations of Two Rice Cultivars Grown at Ambient and Elevated CO2. Frontiers in Plant Science, 2021, 12, 651606.	3.6	22
3	Warming Treatment Methodology Affected the Response of Plant Ecophysiological Traits to Temperature Increases: A Quantitive Meta-Analysis. Frontiers in Plant Science, 2019, 10, 957.	3.6	9
4	BETYdb: a yield, trait, and ecosystem service database applied to secondâ€generation bioenergy feedstock production. GCB Bioenergy, 2018, 10, 61-71.	5.6	40
5	Effects of 8-Year Nitrogen and Phosphorus Treatments on the Ecophysiological Traits of Two Key Species on Tibetan Plateau. Frontiers in Plant Science, 2018, 9, 1290.	3.6	10
6	Diversity in stomatal function is integral to modelling plant carbon and water fluxes. Nature Ecology and Evolution, 2017, 1, 1292-1298.	7.8	67
7	Timing Effects of Heat-Stress on Plant Ecophysiological Characteristics and Growth. Frontiers in Plant Science, 2016, 7, 1629.	3.6	46
8	Plant Physiological, Morphological and Yield-Related Responses to Night Temperature Changes across Different Species and Plant Functional Types. Frontiers in Plant Science, 2016, 7, 1774.	3.6	39
9	Comparing predicted yield and yield stability of willow and Miscanthus across Denmark. GCB Bioenergy, 2016, 8, 1061-1070.	5.6	24
10	Analyzing the impact of climate and management factors on the productivity and soil carbon sequestration of poplar plantations. Environmental Research, 2016, 144, 88-95.	7.5	9
11	A physiological and biophysical model of coppice willow (<scp>S</scp>alix spp.) production yields for the contiguous <scp>USA</scp> in current and future climate scenarios. Plant, Cell and Environment, 2015, 38, 1850-1865.	5.7	30
12	Effects of CO₂ on the tolerance of photosynthesis to heat stress can be affected by photosynthetic pathway and nitrogen. American Journal of Botany, 2014, 101, 34-44.	1.7	17
13	Impact of a short-term heat event on C and N relations in shoots vs. roots of the stress-tolerant C4 grass, Andropogon gerardii. Journal of Plant Physiology, 2014, 171, 977-985.	3.5	20
14	Acclimation of photosynthetic tolerance to acute heat stress at elevated CO2 and N. Plant Science, 2014, 226, 162-171.	3.6	10
15	A quantitative assessment of a terrestrial biosphere model's data needs across North American biomes. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 286-300.	3.0	92
16	Facilitating feedbacks between field measurements and ecosystem models. Ecological Monographs, 2013, 83, 133-154.	5.4	137
17	Predicting yields of shortâ€rotation hybrid poplar (Populus spp.) for the United States through modelâ€“data synthesis. Ecological Applications, 2013, 23, 944-958.	3.8	36
18	Ecophysiological screening of tree species for biomass production: trade-off between production and water use. Ecosphere, 2013, 4, art138.	2.2	16

#	Article	IF	Citations
19	Harvesting Carbon from Eastern US Forests: Opportunities and Impacts of an Expanding Bioenergy Industry. Forests, 2012, 3, 370-397.	2.1	24
20	A meta-analysis of plant physiological and growth responses to temperature and elevated CO2. Oecologia, 2012, 169, 1-13.	2.0	270
21	Impact of nitrogen allocation on growth and photosynthesis of Miscanthus (MiscanthusÂÃ—Âgiganteus). GCB Bioenergy, 2012, 4, 688-697.	5.6	61
22	Induced Pib Expression and Resistance to Magnaporthe grisea are Compromised by Cytosine Demethylation at Critical Promoter Regions in Rice. Journal of Integrative Plant Biology, 2011, 53, 814-823.	8.5	24
23	A quantitative review comparing the yield of switchgrass in monocultures and mixtures in relation to climate and management factors. GCB Bioenergy, 2010, 2, 16-25.	5.6	83
24	Interactive Effects of Elevated CO₂ and Ozone on Leaf Thermotolerance in Fieldâ€grown Glycine max. Journal of Integrative Plant Biology, 2008, 50, 1396-1405.	8.5	20
25	Interactive Effects of Elevated CO₂ and Growth Temperature on the Tolerance of Photosynthesis to Acute Heat Stress in C₃ and C₄ Species. Journal of Integrative Plant Biology, 2008, 50, 1375-1387.	8.5	70
26	Effects of N on Plant Response to Heatâ€wave: A Field Study with Prairie Vegetation. Journal of Integrative Plant Biology, 2008, 50, 1416-1425.	8.5	27
27	Effects of elevated CO₂ on the tolerance of photosynthesis to acute heat stress in C₃, C₄, and CAM species. American Journal of Botany, 2008, 95, 165-176.	1.7	109