

Charles P Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

369
citations

11
h-index

14
g-index

14
ext. papers

422
ext. citations

5.7
avg, IF

3.05
L-index

#	Paper	IF	Citations
14	Mechanisms of ozone tolerance in rice: characterization of two QTLs affecting leaf bronzing by gene expression profiling and biochemical analyses. <i>Journal of Experimental Botany</i> , 2010 , 61, 1405-17	7	74
13	Do the rich always become richer? Characterizing the leaf physiological response of the high-yielding rice cultivar Takanari to free-air CO ₂ enrichment. <i>Plant and Cell Physiology</i> , 2014 , 55, 381-91	4.9	40
12	Leaf ascorbic acid level--is it really important for ozone tolerance in rice?. <i>Plant Physiology and Biochemistry</i> , 2012 , 59, 63-70	5.4	39
11	Is a short, sharp shock equivalent to long-term punishment? Contrasting the spatial pattern of acute and chronic ozone damage to soybean leaves via chlorophyll fluorescence imaging. <i>Plant, Cell and Environment</i> , 2009 , 32, 327-35	8.4	36
10	Increasing canopy photosynthesis in rice can be achieved without a large increase in water use-A model based on free-air CO ₂ enrichment. <i>Global Change Biology</i> , 2018 , 24, 1321-1341	11.4	33
9	The effect of leaf-level spatial variability in photosynthetic capacity on biochemical parameter estimates using the Farquhar model: a theoretical analysis. <i>Plant Physiology</i> , 2008 , 148, 1139-47	6.6	29
8	Investigations on spikelet formation in hybrid rice as affected by elevated tropospheric ozone concentration in China. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 150, 63-71	5.7	26
7	Overcoming the difficulties in collecting apoplastic fluid from rice leaves by the infiltration-centrifugation method. <i>Plant and Cell Physiology</i> , 2012 , 53, 1659-68	4.9	23
6	A High-Yielding Rice Cultivar "Takanari" Shows No N Constraints on CO ₂ Fertilization. <i>Frontiers in Plant Science</i> , 2019 , 10, 361	6.2	20
5	The OzT8 locus in rice protects leaf carbon assimilation rate and photosynthetic capacity under ozone stress. <i>Plant, Cell and Environment</i> , 2011 , 34, 1141-9	8.4	20
4	Nitrogen Distribution in Leaf Canopies of High-Yielding Rice Cultivar Takanari. <i>Crop Science</i> , 2017 , 57, 2080-2088	2.4	14
3	High mesophyll conductance in the high-yielding rice cultivar Takanari quantified with the combined gas exchange and chlorophyll fluorescence measurements under free-air CO ₂ enrichment. <i>Plant Production Science</i> , 2019 , 22, 395-406	2.4	10
2	Nitrogen resorption in senescing leaf blades of rice exposed to free-air CO ₂ enrichment (FACE) under different N fertilization levels. <i>Plant and Soil</i> , 2017 , 418, 231-240	4.2	4
1	Heat-Mitigation Effects of Irrigated Rice-Paddy Fields Under Changing Atmospheric Carbon Dioxide Based on a Coupled Atmosphere and Crop Energy-Balance Model. <i>Boundary-Layer Meteorology</i> , 2021 , 179, 447-476	3.4	1