

# Charles P Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

469  
citations

758635

12  
h-index

1058022

14  
g-index

14  
all docs

14  
docs citations

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times ranked

603  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1405-1417.	2.4	82
2	Do the Rich Always Become Richer? Characterizing the Leaf Physiological Response of the High-Yielding Rice Cultivar Takanari to Free-Air CO <sub>2</sub> Enrichment. <i>Plant and Cell Physiology</i> , 2014, 55, 381-391.	1.5	57
3	Leaf ascorbic acid level “ Is it really important for ozone tolerance in rice?. <i>Plant Physiology and Biochemistry</i> , 2012, 59, 63-70.	2.8	47
4	Increasing canopy photosynthesis in rice can be achieved without a large increase in water use”A model based on free-air CO <sub>2</sub> enrichment. <i>Global Change Biology</i> , 2018, 24, 1321-1341.	4.2	47
5	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, 327-335.	2.8	43
6	The Effect of Leaf-Level Spatial Variability in Photosynthetic Capacity on Biochemical Parameter Estimates Using the Farquhar Model: A Theoretical Analysis Å. <i>Plant Physiology</i> , 2008, 148, 1139-1147.	2.3	34
7	Overcoming the Difficulties in Collecting Apoplastic Fluid from Rice Leaves by the Infiltration–Centrifugation method. <i>Plant and Cell Physiology</i> , 2012, 53, 1659-1668.	1.5	33
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.	2.5	33
9	A High-Yielding Rice Cultivar “Takanari” Shows No N Constraints on CO <sub>2</sub> Fertilization. <i>Frontiers in Plant Science</i> , 2019, 10, 361.	1.7	31
10	The <i>OzT8</i> locus in rice protects leaf carbon assimilation rate and photosynthetic capacity under ozone stress. <i>Plant, Cell and Environment</i> , 2011, 34, 1141-1149.	2.8	26
11	Nitrogen Distribution in Leaf Canopies of High-Yielding Rice Cultivar Takanari. <i>Crop Science</i> , 2017, 57, 2080-2088.	0.8	16
12	High mesophyll conductance in the high-yielding rice cultivar Takanari quantified with the combined gas exchange and chlorophyll fluorescence measurements under free-air CO <sub>2</sub> enrichment. <i>Plant Production Science</i> , 2019, 22, 395-406.	0.9	13
13	Nitrogen resorption in senescing leaf blades of rice exposed to free-air CO <sub>2</sub> enrichment (FACE) under different N fertilization levels. <i>Plant and Soil</i> , 2017, 418, 231-240.	1.8	5
14	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.	1.2	2