

# Honglong Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4570704/publications.pdf>

Version: 2024-02-01

10  
papers

192  
citations

1478505

6  
h-index

1474206

9  
g-index

13  
all docs

13  
docs citations

13  
times ranked

255  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid stomatal response to fluctuating light: an under-explored mechanism to improve drought tolerance in rice. <i>Functional Plant Biology</i> , 2016, 43, 727.	2.1	68
2	A three-dimensional canopy photosynthesis model in rice with a complete description of the canopy architecture, leaf physiology, and mechanical properties. <i>Journal of Experimental Botany</i> , 2019, 70, 2479-2490.	4.8	36
3	An in situ approach to characterizing photosynthetic gas exchange of rice panicle. <i>Plant Methods</i> , 2020, 16, 92.	4.3	27
4	ePlant for quantitative and predictive plant science research in the big data era – Lay the foundation for the future model guided crop breeding, engineering and agronomy. <i>Quantitative Biology</i> , 2017, 5, 260-271.	0.5	18
5	Two major metabolic factors for an efficient NADP-malic enzyme type C4 photosynthesis. <i>Plant Physiology</i> , 2022, 189, 84-98.	4.8	15
6	Morphological and physiological factors contributing to early vigor in the elite rice cultivar 9,311. <i>Scientific Reports</i> , 2020, 10, 14813.	3.3	12
7	Why an increase in activity of an enzyme in the Calvin-Benson cycle does not always lead to an increased photosynthetic CO <sub>2</sub> uptake rate? – a theoretical analysis. <i>In Silico Plants</i> , 2021, 3, .	1.9	10
8	Diurnal and Seasonal Variations of Photosynthetic Energy Conversion Efficiency of Field Grown Wheat. <i>Frontiers in Plant Science</i> , 2022, 13, 817654.	3.6	3
9	Kinetic Modeling of Photorespiration. <i>Methods in Molecular Biology</i> , 2017, 1653, 203-216.	0.9	2
10	Early Career Researcher Profile: Honglong Zhao. <i>In Silico Plants</i> , 2021, 3, .	1.9	0