

# Shouyang Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9407128/publications.pdf>

Version: 2024-02-01

11  
papers

634  
citations

1040056

9  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ear density estimation from high resolution RGB imagery using deep learning technique. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 225-234.	4.8	190
2	Global Wheat Head Detection (GWHD) Dataset: A Large and Diverse Dataset of High-Resolution RGB-Labelled Images to Develop and Benchmark Wheat Head Detection Methods. <i>Plant Phenomics</i> , 2020, 2020, 3521852.	5.9	128
3	Estimation of Wheat Plant Density at Early Stages Using High Resolution Imagery. <i>Frontiers in Plant Science</i> , 2017, 8, 739.	3.6	60
4	Global Wheat Head Detection 2021: An Improved Dataset for Benchmarking Wheat Head Detection Methods. <i>Plant Phenomics</i> , 2021, 2021, 9846158.	5.9	60
5	Estimating wheat green area index from ground-based LiDAR measurement using a 3D canopy structure model. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 12-20.	4.8	57
6	Mapping maize crop coefficient Kc using random forest algorithm based on leaf area index and UAV-based multispectral vegetation indices. <i>Agricultural Water Management</i> , 2021, 252, 106906.	5.6	38
7	Estimation of Plant and Canopy Architectural Traits Using the Digital Plant Phenotyping Platform. <i>Plant Physiology</i> , 2019, 181, 881-890.	4.8	36
8	A method to estimate plant density and plant spacing heterogeneity: application to wheat crops. <i>Plant Methods</i> , 2017, 13, 38.	4.3	27
9	Importance of the description of light interception in crop growth models. <i>Plant Physiology</i> , 2021, 186, 977-997.	4.8	21
10	Effective GAI is best estimated from reflectance observations as compared to GAI and LAI: Demonstration for wheat and maize crops based on 3D radiative transfer simulations. <i>Field Crops Research</i> , 2022, 283, 108538.	5.1	9
11	Modeling the spatial distribution of plants on the row for wheat crops: Consequences on the green fraction at the canopy level. <i>Computers and Electronics in Agriculture</i> , 2017, 136, 147-156.	7.7	8