Shouyang Liu

List of Publications by Year
in descending order

		1040056	1281871
11 papers	634 citations	9 h-index	11 g-index
11 all docs	11 docs citations	11 times ranked	610 citing authors

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