Pengcheng Hu

List of Publications by Year
in descending order

9 papers	314 citations	1307366 7 h-index	1474057 9 g-index
10 all docs	10 docs citations	10 times ranked	371 citing authors

#	Article	IF	Citations
1	Phenological optimization of late reproductive phase for raising wheat yield potential in irrigated mega-environments. Journal of Experimental Botany, 2022, 73, 4236-4249.	2.4	4
2	Unsupervised Plot-Scale LAI Phenotyping via UAV-Based Imaging, Modelling, and Machine Learning. Plant Phenomics, 2022, 2022, .	2.5	11
3	A field-based high-throughput method for acquiring canopy architecture using unmanned aerial vehicle images. Agricultural and Forest Meteorology, 2021, 296, 108231.	1.9	31
4	Coupling of machine learning methods to improve estimation of ground coverage from unmanned aerial vehicle (UAV) imagery for high-throughput phenotyping of crops. Functional Plant Biology, 2021, 48, 766-779.	1.1	18
5	Comparison of Modelling Strategies to Estimate Phenotypic Values from an Unmanned Aerial Vehicle with Spectral and Temporal Vegetation Indexes. Remote Sensing, 2021, 13, 2827.	1.8	8
6	Using a gene-based phenology model to identify optimal flowering periods of spring wheat in irrigated mega-environments. Journal of Experimental Botany, 2021, 72, 7203-7218.	2.4	7
7	Pixel size of aerial imagery constrains the applications of unmanned aerial vehicle in crop breeding. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 154, 1-9.	4.9	41
8	Image-based dynamic quantification and high-accuracy 3D evaluation of canopy structure of plant populations. Annals of Botany, 2018, 121, 1079-1088.	1.4	72
9	Estimation of plant height using a high throughput phenotyping platform based on unmanned aerial vehicle and self-calibration: Example for sorghum breeding. European Journal of Agronomy, 2018, 95, 24-32.	1.9	122