

Pengcheng Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1417103/publications.pdf>

Version: 2024-02-01

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