

Liang Wan

List of Publications by Year in descending order

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19
papers

694
citations

840776

11
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Grain yield prediction of rice using multi-temporal UAV-based RGB and multispectral images and model transfer – a case study of small farmlands in the South of China. <i>Agricultural and Forest Meteorology</i> , 2020, 291, 108096.	4.8	145
2	Fine-tuning convolutional neural network with transfer learning for semantic segmentation of ground-level oilseed rape images in a field with high weed pressure. <i>Computers and Electronics in Agriculture</i> , 2019, 167, 105091.	7.7	90
3	Combining UAV-Based Vegetation Indices and Image Classification to Estimate Flower Number in Oilseed Rape. <i>Remote Sensing</i> , 2018, 10, 1484.	4.0	89
4	Dynamic monitoring of biomass of rice under different nitrogen treatments using a lightweight UAV with dual image-frame snapshot cameras. <i>Plant Methods</i> , 2019, 15, 32.	4.3	88
5	Using hyperspectral analysis as a potential high throughput phenotyping tool in GWAS for protein content of rice quality. <i>Plant Methods</i> , 2019, 15, 54.	4.3	48
6	Nutrient Status Diagnosis of Infield Oilseed Rape via Deep Learning-Enabled Dynamic Model. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4379-4389.	11.3	41
7	Combining transfer learning and hyperspectral reflectance analysis to assess leaf nitrogen concentration across different plant species datasets. <i>Remote Sensing of Environment</i> , 2022, 269, 112826.	11.0	41
8	Unmanned aerial vehicle-based field phenotyping of crop biomass using growth traits retrieved from PROSAIL model. <i>Computers and Electronics in Agriculture</i> , 2021, 187, 106304.	7.7	35
9	A model for phenotyping crop fractional vegetation cover using imagery from unmanned aerial vehicles. <i>Journal of Experimental Botany</i> , 2021, 72, 4691-4707.	4.8	28
10	Color Calibration of Proximal Sensing RGB Images of Oilseed Rape Canopy via Deep Learning Combined with K-Means Algorithm. <i>Remote Sensing</i> , 2019, 11, 3001.	4.0	24
11	PROSDM: Applicability of PROSPECT model coupled with spectral derivatives and similarity metrics to retrieve leaf biochemical traits from bidirectional reflectance. <i>Remote Sensing of Environment</i> , 2021, 267, 112761.	11.0	15
12	Spatiotemporal Heterogeneity of Chlorophyll Content and Fluorescence Response Within Rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	13
13	Characterization and Detection of Leaf Photosynthetic Response to Citrus Huanglongbing from Cool to Hot Seasons in Two Orchards. <i>Transactions of the ASABE</i> , 2020, 63, 501-512.	1.1	11
14	Upscaling from leaf to canopy: Improved spectral indices for leaf biochemical traits estimation by minimizing the difference between leaf adaxial and abaxial surfaces. <i>Field Crops Research</i> , 2021, 274, 108330.	5.1	11
15	<i>Combining UAV-based vegetation indices, canopy height and canopy coverage to improve rice yield prediction under different nitrogen levels</i>. , 2019, , .		6
16	Assessment of Seed Yield and Quality of Winter Oilseed Rape Using Chlorophyll Fluorescence Parameters of Pods. <i>Transactions of the ASABE</i> , 2020, 63, 231-242.	1.1	6
17	Stability evaluation of the PROSPECT model for leaf chlorophyll content retrieval. <i>International Journal of Agricultural and Biological Engineering</i> , 2021, 14, 189-198.	0.6	3
18	<i>Assessment of seed yield and quality of winter oilseed rape using chlorophyll fluorescence parameters of pods</i>. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Hyperspectral imaging technology combined with genome-wide association study rapidly identifies more genes related to rice quality. , 2018, , .		0