Liang Wan

List of Publications by Year
in descending order

19	694	840776 11	940533 16
papers	citations	h-index	g-index

19	19	19	619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combining transfer learning and hyperspectral reflectance analysis to assess leaf nitrogen concentration across different plant species datasets. Remote Sensing of Environment, 2022, 269, 112826.	11.0	41
2	Nutrient Status Diagnosis of Infield Oilseed Rape via Deep Learning-Enabled Dynamic Model. IEEE Transactions on Industrial Informatics, 2021, 17, 4379-4389.	11.3	41
3	Spatiotemporal Heterogeneity of Chlorophyll Content and Fluorescence Response Within Rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overl	3.6	13
4	A model for phenotyping crop fractional vegetation cover using imagery from unmanned aerial vehicles. Journal of Experimental Botany, 2021, 72, 4691-4707.	4.8	28
5	Unmanned aerial vehicle-based field phenotyping of crop biomass using growth traits retrieved from PROSAIL model. Computers and Electronics in Agriculture, 2021, 187, 106304.	7.7	35
6	Stability evaluation of the PROSPECT model for leaf chlorophyll content retrieval. International Journal of Agricultural and Biological Engineering, 2021, 14, 189-198.	0.6	3
7	PROSDM: Applicability of PROSPECT model coupled with spectral derivatives and similarity metrics to retrieve leaf biochemical traits from bidirectional reflectance. Remote Sensing of Environment, 2021, 267, 112761.	11.0	15
8	Upscaling from leaf to canopy: Improved spectral indices for leaf biochemical traits estimation by minimizing the difference between leaf adaxial and abaxial surfaces. Field Crops Research, 2021, 274, 108330.	5.1	11
9	Assessment of Seed Yield and Quality of Winter Oilseed Rape Using Chlorophyll Fluorescence Parameters of Pods. Transactions of the ASABE, 2020, 63, 231-242.	1.1	6
10	Characterization and Detection of Leaf Photosynthetic Response to Citrus Huanglongbing from Cool to Hot Seasons in Two Orchards. Transactions of the ASABE, 2020, 63, 501-512.	1.1	11
11	Grain yield prediction of rice using multi-temporal UAV-based RGB and multispectral images and model transfer â€“ a case study of small farmlands in the South of China. Agricultural and Forest Meteorology, 2020, 291, 108096.	4.8	145
12	Fine-tuning convolutional neural network with transfer learning for semantic segmentation of ground-level oilseed rape images in a field with high weed pressure. Computers and Electronics in Agriculture, 2019, 167, 105091.	7.7	90
13	Using hyperspectral analysis as a potential high throughput phenotyping tool in GWAS for protein content of rice quality. Plant Methods, 2019, 15, 54.	4.3	48
14	Dynamic monitoring of biomass of rice under different nitrogen treatments using a lightweight UAV with dual image-frame snapshot cameras. Plant Methods, 2019, 15, 32.	4.3	88
15	Color Calibration of Proximal Sensing RGB Images of Oilseed Rape Canopy via Deep Learning Combined with K-Means Algorithm. Remote Sensing, 2019, 11, 3001.	4.0	24
16	<i>Combining UAV-based vegetation indices, canopy height and canopy coverage to improve rice yield prediction under different nitrogen levels</i>. , 2019, , .		6
17	<i>Assessment of seed yield and quality of winter oilseed rape using chlorophyll fluorescence parameters of pods</i>. , 2018, , .		0
18	Combining UAV-Based Vegetation Indices and Image Classification to Estimate Flower Number in Oilseed Rape. Remote Sensing, 2018, 10, 1484.	4.0	89

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