Dawei Sun

List of Publications by Year
in descending order

20 papers	884 citations	759233 12 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1022 citing authors

#	Article	IF	Citations
1	Optical sensors: deciphering plant phenomics in breeding factories. Trends in Plant Science, 2022, 27, 209-210.	8.8	5
2	Advances in optical phenotyping of cereal crops. Trends in Plant Science, 2022, 27, 191-208.	8.8	49
3	Spatiotemporal Heterogeneity of Chlorophyll Content and Fluorescence Response Within Rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overl	3.6	13
4	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
5	Optimization of 3D Point Clouds of Oilseed Rape Plants Based on Time-of-Flight Cameras. Sensors, 2021, 21, 664.	3.8	8
6	Optimal temporal–spatial fluorescence techniques for phenotyping nitrogen status in oilseed rape. Journal of Experimental Botany, 2020, 71, 6429-6443.	4.8	7
7	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. Agricultural and Forest Meteorology, 2020, 291, 108096.	4.8	145
8	Time-Series Chlorophyll Fluorescence Imaging Reveals Dynamic Photosynthetic Fingerprints of sos Mutants to Drought Stress. Sensors, 2019, 19, 2649.	3.8	22
9	Combining near-infrared hyperspectral imaging with elemental and isotopic analysis to discriminate farm-raised pacific white shrimp from high-salinity and low-salinity environments. Food Chemistry, 2019, 299, 125121.	8.2	13
10	The gfc operon is involved in the formation of the O antigen capsule in Aeromonas hydrophila and contributes to virulence in channel catfish. Aquaculture, 2019, 512, 734334.	3.5	12
11	Rapid and Nondestructive Measurement of Rice Seed Vitality of Different Years Using Near-Infrared Hyperspectral Imaging. Molecules, 2019, 24, 2227.	3.8	52
12	Structure of the capsule and lipopolysaccharide O-antigen from the channel catfish pathogen, Aeromonas hydrophila. Carbohydrate Research, 2019, 486, 107858.	2.3	13
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	Combining UAV-Based Vegetation Indices and Image Classification to Estimate Flower Number in Oilseed Rape. Remote Sensing, 2018, 10, 1484.	4.0	89
15	Hyperspectral imaging technology combined with genome-wide association study rapidly identifies more genes related to rice quality. , 2018, , .		0
16	Phenotyping of Arabidopsis Drought Stress Response Using Kinetic Chlorophyll Fluorescence and Multicolor Fluorescence Imaging. Frontiers in Plant Science, 2018, 9, 603.	3.6	91
17	Genome modifications and cloning using a conjugally transferable recombineering system. Biotechnology Reports (Amsterdam, Netherlands), 2015, 8, 24-35.	4.4	12
18	Three Novel Virophage Genomes Discovered from Yellowstone Lake Metagenomes. Journal of Virology, 2015, 89, 1278-1285.	3.4	76

#	Article	IF	Citations
19	An Asian Origin of Virulent Aeromonas hydrophila Responsible for Disease Epidemics in United States-Farmed Catfish. MBio, 2014, 5, e00848-14.	4.1	111
20	Implication of Lateral Genetic Transfer in the Emergence of Aeromonas hydrophila Isolates of Epidemic Outbreaks in Channel Catfish. PLoS ONE, 2013, 8, e80943.	2.5	83