

# Dawei Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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	An Asian Origin of Virulent <i>Aeromonas hydrophila</i> Responsible for Disease Epidemics in United States-Farmed Catfish. <i>MBio</i> , 2014, 5, e00848-14.	4.1	111
3	Phenotyping of Arabidopsis Drought Stress Response Using Kinetic Chlorophyll Fluorescence and Multicolor Fluorescence Imaging. <i>Frontiers in Plant Science</i> , 2018, 9, 603.	3.6	91
4	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
5	Implication of Lateral Genetic Transfer in the Emergence of <i>Aeromonas hydrophila</i> Isolates of Epidemic Outbreaks in Channel Catfish. <i>PLoS ONE</i> , 2013, 8, e80943.	2.5	83
6	Three Novel Virophage Genomes Discovered from Yellowstone Lake Metagenomes. <i>Journal of Virology</i> , 2015, 89, 1278-1285.	3.4	76
7	Rapid and Nondestructive Measurement of Rice Seed Vitality of Different Years Using Near-Infrared Hyperspectral Imaging. <i>Molecules</i> , 2019, 24, 2227.	3.8	52
8	Advances in optical phenotyping of cereal crops. <i>Trends in Plant Science</i> , 2022, 27, 191-208.	8.8	49
9	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
10	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
11	Time-Series Chlorophyll Fluorescence Imaging Reveals Dynamic Photosynthetic Fingerprints of sos Mutants to Drought Stress. <i>Sensors</i> , 2019, 19, 2649.	3.8	22
12	Combining near-infrared hyperspectral imaging with elemental and isotopic analysis to discriminate farm-raised pacific white shrimp from high-salinity and low-salinity environments. <i>Food Chemistry</i> , 2019, 299, 125121.	8.2	13
13	Structure of the capsule and lipopolysaccharide O-antigen from the channel catfish pathogen, <i>Aeromonas hydrophila</i> . <i>Carbohydrate Research</i> , 2019, 486, 107858.	2.3	13
14	Spatiotemporal Heterogeneity of Chlorophyll Content and Fluorescence Response Within Rice ( <i>Oryza</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	13
15	Genome modifications and cloning using a conjugally transferable recombineering system. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 8, 24-35.	4.4	12
16	The gfc operon is involved in the formation of the O antigen capsule in <i>Aeromonas hydrophila</i> and contributes to virulence in channel catfish. <i>Aquaculture</i> , 2019, 512, 734334.	3.5	12
17	Optimization of 3D Point Clouds of Oilseed Rape Plants Based on Time-of-Flight Cameras. <i>Sensors</i> , 2021, 21, 664.	3.8	8
18	Optimal temporal – spatial fluorescence techniques for phenotyping nitrogen status in oilseed rape. <i>Journal of Experimental Botany</i> , 2020, 71, 6429-6443.	4.8	7

#	ARTICLE	IF	CITATIONS
19	Optical sensors: deciphering plant phenomics in breeding factories. Trends in Plant Science, 2022, 27, 209-210.	8.8	5
20	Hyperspectral imaging technology combined with genome-wide association study rapidly identifies more genes related to rice quality. , 2018, , .		0