

Chenghai Yang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

608
citations

623734

14
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Sensing and Precision Agriculture Technologies for Crop Disease Detection and Management with a Practical Application Example. <i>Engineering</i> , 2020, 6, 528-532.	6.7	65
2	Rapeseed Seedling Stand Counting and Seeding Performance Evaluation at Two Early Growth Stages Based on Unmanned Aerial Vehicle Imagery. <i>Frontiers in Plant Science</i> , 2018, 9, 1362.	3.6	53
3	Evaluating unsupervised and supervised image classification methods for mapping cotton root rot. <i>Precision Agriculture</i> , 2015, 16, 201-215.	6.0	52
4	Comparison of airborne multispectral and hyperspectral imagery for mapping cotton root rot. <i>Biosystems Engineering</i> , 2010, 107, 131-139.	4.3	42
5	Evaluation of an Airborne Remote Sensing Platform Consisting of Two Consumer-Grade Cameras for Crop Identification. <i>Remote Sensing</i> , 2016, 8, 257.	4.0	42
6	Automatic Classification of Cotton Root Rot Disease Based on UAV Remote Sensing. <i>Remote Sensing</i> , 2020, 12, 1310.	4.0	40
7	Automatic Estimation of Crop Disease Severity Levels Based on Vegetation Index Normalization. <i>Remote Sensing</i> , 2020, 12, 1930.	4.0	35
8	Monitoring cotton root rot by synthetic Sentinel-2 NDVI time series using improved spatial and temporal data fusion. <i>Scientific Reports</i> , 2018, 8, 2016.	3.3	32
9	Combining UAVâ€™s RGB high-throughput field phenotyping and genome-wide association study to reveal genetic variation of rice germplasms in dynamic response to drought stress. <i>New Phytologist</i> , 2021, 232, 440-455.	7.3	31
10	Segmenting Purple Rapeseed Leaves in the Field from UAV RGB Imagery Using Deep Learning as an Auxiliary Means for Nitrogen Stress Detection. <i>Remote Sensing</i> , 2020, 12, 1403.	4.0	29
11	Evaluation of Sentinel-2A Satellite Imagery for Mapping Cotton Root Rot. <i>Remote Sensing</i> , 2017, 9, 906.	4.0	27
12	Assessing the Effect of Real Spatial Resolution of In Situ UAV Multispectral Images on Seedling Rapeseed Growth Monitoring. <i>Remote Sensing</i> , 2020, 12, 1207.	4.0	27
13	Change detection of cotton root rot infection over 10-year intervals using airborne multispectral imagery. <i>Computers and Electronics in Agriculture</i> , 2016, 123, 154-162.	7.7	21
14	A Plant-by-Plant Method to Identify and Treat Cotton Root Rot Based on UAV Remote Sensing. <i>Remote Sensing</i> , 2020, 12, 2453.	4.0	18
15	Identification of Cotton Root Rot by Multifeature Selection from Sentinel-2 Images Using Random Forest. <i>Remote Sensing</i> , 2020, 12, 3504.	4.0	17
16	Site-Specific Management of Cotton Root Rot Using Airborne and High-Resolution Satellite Imagery and Variable-Rate Technology. <i>Transactions of the ASABE</i> , 2018, 61, 849-858.	1.1	13
17	Retrieval of rapeseed leaf area index using the PROSAIL model with canopy coverage derived from UAV images as a correction parameter. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102373.	2.8	13
18	GIS-based volunteer cotton habitat prediction and plant-level detection with UAV remote sensing. <i>Computers and Electronics in Agriculture</i> , 2022, 193, 106629.	7.7	12

#	ARTICLE	IF	CITATIONS
19	Evaluation of a UAV-mounted consumer grade camera with different spectral modifications and two handheld spectral sensors for rapeseed growth monitoring: performance and influencing factors. Precision Agriculture, 2020, 21, 1092-1120.	6.0	9
20	Winter Wheat Nitrogen Estimation Based on Ground-Level and UAV-Mounted Sensors. Sensors, 2022, 22, 549.	3.8	9
21	Identifying saltcedar with hyperspectral data and support vectormachines. Geocarto International, 2011, 26, 195-209.	3.5	7
22	Identification of Abandoned Jujube Fields Using Multi-Temporal High-Resolution Imagery and Machine Learning. Remote Sensing, 2021, 13, 801.	4.0	6
23	Combining fuzzy set theory and nonlinear stretching enhancement for unsupervised classification of cotton root rot. Journal of Applied Remote Sensing, 2015, 9, 096013.	1.3	4
24	Linear unmixing of multitime hyperspectral imagery for crop yield estimation. , 2011, , .		3