

# Jian Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2342015/publications.pdf>

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15  
papers

301  
citations

840776

11  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

325  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Combining UAVâ€™RGB highâ€™throughput field phenotyping and genomeâ€™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
4	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
5	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
6	Comparison of mosaicking techniques for airborne images from consumer-grade cameras. <i>Journal of Applied Remote Sensing</i> , 2016, 10, 016030.	1.3	25
7	Crop Classification and LAI Estimation Using Original and Resolution-Reduced Images from Two Consumer-Grade Cameras. <i>Remote Sensing</i> , 2017, 9, 1054.	4.0	15
8	Early Detection of Bacterial Wilt in Tomato with Portable Hyperspectral Spectrometer. <i>Remote Sensing</i> , 2022, 14, 2882.	4.0	15
9	Detection of Standing Dead Trees after Pine Wilt Disease Outbreak with Airborne Remote Sensing Imagery by Multi-Scale Spatial Attention Deep Learning and Gaussian Kernel Approach. <i>Remote Sensing</i> , 2022, 14, 3075.	4.0	15
10	Automatic Wheat Lodging Detection and Mapping in Aerial Imagery to Support High-Throughput Phenotyping and In-Season Crop Management. <i>Agronomy</i> , 2020, 10, 1762.	3.0	14
11	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
12	Registration for Optical Multimodal Remote Sensing Images Based on FAST Detection, Window Selection, and Histogram Specification. <i>Remote Sensing</i> , 2018, 10, 663.	4.0	9
13	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. <i>Precision Agriculture</i> , 2020, 21, 1092-1120.	6.0	9
14	Sensitivity analysis of the CROPGRO-Canola model in China: A case study for rapeseed. <i>PLoS ONE</i> , 2021, 16, e0259929.	2.5	3
15	Long-Term Optimal Management of Rapeseed Cultivation Simulated with the CROPGRO-Canola Model. <i>Agronomy</i> , 2022, 12, 1191.	3.0	1