

Yali Zhang

List of Publications by Year in descending order

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352
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in Agricultural Unmanned Aerial Vehicles (UAVs) Applied in China and Prospects for Poland. Agriculture (Switzerland), 2022, 12, 397.	3.1	17
2	Detection of Rice Spikelet Flowering for Hybrid Rice Seed Production Using Hyperspectral Technique and Machine Learning. Agriculture (Switzerland), 2022, 12, 755.	3.1	2
3	Identification of Male and Female Parents for Hybrid Rice Seed Production Using UAV-Based Multispectral Imagery. Agriculture (Switzerland), 2022, 12, 1005.	3.1	4
4	Development and Prospect of UAV-Based Aerial Electrostatic Spray Technology in China. Applied Sciences (Switzerland), 2021, 11, 4071.	2.5	16
5	Droplet distributions in cotton harvest aid applications vary with the interactions among the unmanned aerial vehicle spraying parameters. Industrial Crops and Products, 2021, 163, 113324.	5.2	30
6	Canopy Volume Extraction of Citrus reticulate Blanco cv. Shatangju Trees Using UAV Image-Based Point Cloud Deep Learning. Remote Sensing, 2021, 13, 3437.	4.0	12
7	Real-Time Identification of Rice Weeds by UAV Low-Altitude Remote Sensing Based on Improved Semantic Segmentation Model. Remote Sensing, 2021, 13, 4370.	4.0	23
8	Research Progress and Prospects of Agricultural Aero-Bionic Technology in China. Applied Sciences (Switzerland), 2021, 11, 10435.	2.5	2
9	Deep learning versus Object-based Image Analysis (OBIA) in weed mapping of UAV imagery. International Journal of Remote Sensing, 2020, 41, 3446-3479.	2.9	68
10	WSN-Assisted UAV Trajectory Adjustment for Pesticide Drift Control. Sensors, 2020, 20, 5473.	3.8	12
11	Lightweight Semantic Segmentation Network for Real-Time Weed Mapping Using Unmanned Aerial Vehicles. Applied Sciences (Switzerland), 2020, 10, 7132.	2.5	23
12	Detection of Helminthosporium Leaf Blotch Disease Based on UAV Imagery. Applied Sciences (Switzerland), 2019, 9, 558.	2.5	40
13	Automatic delivery and recovery system of Wireless Sensor Networks (WSN) nodes based on UAV for agricultural applications. Computers and Electronics in Agriculture, 2019, 162, 31-43.	7.7	40
14	Au@Ag alloy nanoparticles supported on ordered mesoporous carbon (CMK-3) with remarkable solar thermal conversion efficiency. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	8
15	Applications and Prospects of Agricultural Unmanned Aerial Vehicle Obstacle Avoidance Technology in China. Sensors, 2019, 19, 642.	3.8	49
16	Accurate Weed Mapping and Prescription Map Generation Based on Fully Convolutional Networks Using UAV Imagery. Sensors, 2018, 18, 3299.	3.8	37