Zhiyan Zhou

List of Publications by Year
in descending order

14 papers	**257** citations	933447 **10** h-index	1058476 **14** g-index
14 all docs	**14** docs citations	**14** times ranked	**307** citing authors

#	Article	IF	Citations
1	UAV-based partially sampling system for rapid NDVI mapping in the evaluation of rice nitrogen use efficiency. Journal of Cleaner Production, 2021, 289, 125705.	9.3	23
2	Cloud Cover throughout All the Paddy Rice Fields in Guangdong, China: Impacts on Sentinel 2 MSI and Landsat 8 OLI Optical Observations. Remote Sensing, 2021, 13, 2961.	4.0	7
3	Optical Tracking System for Multi-UAV Clustering. IEEE Sensors Journal, 2021, 21, 19382-19394.	4.7	4
4	Test and Comprehensive Evaluation for the Performance of UAV-Based Fertilizer Spreaders. IEEE Access, 2020, 8, 202153-202163.	4.2	11
5	Analysis of the Influence of Different Parameters on Droplet Characteristics and Droplet Size Classification Categories for Air Induction Nozzle. Agronomy, 2020, 10, 256.	3.0	11
6	Assessing the Operation Parameters of a Low-altitude UAV for the Collection of NDVI Values Over a Paddy Rice Field. Remote Sensing, 2020, 12, 1850.	4.0	16
7	The relations of leaf area index with the spray quality and efficacy of cotton defoliant spraying using unmanned aerial systems (UASs). Computers and Electronics in Agriculture, 2020, 169, 105228.	7.7	10
8	Brown rice planthopper (Nilaparvata lugens Stal) detection based on deep learning. Precision Agriculture, 2020, 21, 1385-1402.	6.0	40
9	A Novel Illumination Compensation Technique for Multi-Spectral Imaging in NDVI Detection. Sensors, 2019, 19, 1859.	3.8	3
10	Recognition of the Duration and Prediction of Insect Prevalence of Stored Rough Rice Infested by the Red Flour Beetle (Tribolium castaneum Herbst) Using an Electronic Nose. Sensors, 2017, 17, 688.	3.8	14
11	Quality Detection of Litchi Stored in Different Environments Using an Electronic Nose. Sensors, 2016, 16, 852.	3.8	29
12	Improved Algorithms for the Classification of Rough Rice Using a Bionic Electronic Nose Based on PCA and the Wilks Distribution. Sensors, 2014, 14, 5486-5501.	3.8	22
13	Estimation of the Age and Amount of Brown Rice Plant Hoppers Based on Bionic Electronic Nose Use. Sensors, 2014, 14, 18114-18130.	3.8	27
14	Rice plant-hopper infestation detection and classification algorithms based on fractal dimension values and fuzzy C-means. Mathematical and Computer Modelling, 2013, 58, 701-709.	2.0	40