

Zhiyan Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

257
citations

933447

10
h-index

1058476

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g-index

14
all docs

14
docs citations

14
times ranked

307
citing authors

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