

# Junfeng Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5087593/publications.pdf>

Version: 2024-02-01

10  
papers

600  
citations

1163117

8  
h-index

1474206

9  
g-index

11  
all docs

11  
docs citations

11  
times ranked

628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Localization and Classification of Paddy Field Pests using a Saliency Map and Deep Convolutional Neural Network. <i>Scientific Reports</i> , 2016, 6, 20410.	3.3	124
2	Recognising weeds in a maize crop using a random forest machine-learning algorithm and near-infrared snapshot mosaic hyperspectral imagery. <i>Biosystems Engineering</i> , 2018, 170, 39-50.	4.3	119
3	Deep convolutional neural networks for image-based <i>Convolvulus sepium</i> detection in sugar beet fields. <i>Plant Methods</i> , 2020, 16, 29.	4.3	110
4	Fusion of pixel and object-based features for weed mapping using unmanned aerial vehicle imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 67, 43-53.	2.8	76
5	Application of hyperspectral imaging technology to discriminate different geographical origins of <i>Jatropha curcas</i> L. seeds. <i>Computers and Electronics in Agriculture</i> , 2013, 99, 186-193.	7.7	56
6	Automatic late blight lesion recognition and severity quantification based on field imagery of diverse potato genotypes by deep learning. <i>Knowledge-Based Systems</i> , 2021, 214, 106723.	7.1	46
7	Automated spectral feature extraction from hyperspectral images to differentiate weedy rice and barnyard grass from a rice crop. <i>Computers and Electronics in Agriculture</i> , 2019, 159, 42-49.	7.7	39
8	Tea chrysanthemum detection under unstructured environments using the TC-YOLO model. <i>Expert Systems With Applications</i> , 2022, 193, 116473.	7.6	27
9	Tea Chrysanthemum Detection by Leveraging Generative Adversarial Networks and Edge Computing. <i>Frontiers in Plant Science</i> , 2022, 13, 850606.	3.6	2
10	Computer Vision and Less Complex Image Analyses to Monitor Potato Traits in Fields. <i>Methods in Molecular Biology</i> , 2021, 2354, 273-299.	0.9	0