

Huajian Liu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

326
citations

1039406

9
h-index

1125271

13
g-index

15
all docs

15
docs citations

15
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral imaging and 3D technologies for plant phenotyping: From satellite to close-range sensing. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105621.	3.7	59
2	The Development of Hyperspectral Distribution Maps to Predict the Content and Distribution of Nitrogen and Water in Wheat (<i>Triticum aestivum</i>). <i>Frontiers in Plant Science</i> , 2019, 10, 1380.	1.7	56
3	A review of recent sensing technologies to detect invertebrates on crops. <i>Precision Agriculture</i> , 2017, 18, 635-666.	3.1	49
4	A multispectral machine vision system for invertebrate detection on green leaves. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 279-288.	3.7	30
5	Approaches, applications, and future directions for hyperspectral vegetation studies: An emphasis on yield-limiting factors in wheat. <i>The Plant Phenome Journal</i> , 2020, 3, e20007.	1.0	25
6	A Multispectral 3-D Vision System for Invertebrate Detection on Crops. <i>IEEE Sensors Journal</i> , 2017, 17, 7502-7515.	2.4	24
7	Transformation of a high-dimensional color space for material classification. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 523.	0.8	16
8	Registration of multispectral 3D points for plant inspection. <i>Precision Agriculture</i> , 2018, 19, 513-536.	3.1	16
9	The Performances of Hyperspectral Sensors for Proximal Sensing of Nitrogen Levels in Wheat. <i>Sensors</i> , 2020, 20, 4550.	2.1	15
10	Proximal detecting invertebrate pests on crops using a deep residual convolutional neural network trained by virtual images. <i>Artificial Intelligence in Agriculture</i> , 2021, 5, 13-23.	4.4	11
11	The Promise of Hyperspectral Imaging for the Early Detection of Crown Rot in Wheat. <i>AgriEngineering</i> , 2021, 3, 924-941.	1.7	8
12	An evaluation of the contribution of ultraviolet in fused multispectral images for invertebrate detection on green leaves. <i>Precision Agriculture</i> , 2017, 18, 667-683.	3.1	7
13	Detecting Crown Rot Disease in Wheat in Controlled Environment Conditions Using Digital Color Imaging and Machine Learning. <i>AgriEngineering</i> , 2022, 4, 141-155.	1.7	6
14	Stitching of Video Sequences for Weed Mapping. , 2015, , .		3
15	Bioinspired invertebrate pest detection on standing crops. , 2018, , .		1