Liu Liu

List of Publications by Year
in descending order

19	747	840585 11	839398 18
papers	citations	h-index	g-index

19	19	19	379
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PestNet: An End-to-End Deep Learning Approach for Large-Scale Multi-Class Pest Detection and Classification. IEEE Access, 2019, 7, 45301-45312.	2.6	142
2	A Recognition Method for Rice Plant Diseases and Pests Video Detection Based on Deep Convolutional Neural Network. Sensors, 2020, 20, 578.	2.1	139
3	A Deep Learning Framework for Driving Behavior Identification on In-Vehicle CAN-BUS Sensor Data. Sensors, 2019, 19, 1356.	2.1	79
4	Fusing multi-scale context-aware information representation for automatic in-field pest detection and recognition. Computers and Electronics in Agriculture, 2020, 169, 105222.	3.7	74
5	An Effective Data Augmentation Strategy for CNN-Based Pest Localization and Recognition in the Field. IEEE Access, 2019, 7, 160274-160283.	2.6	56
6	An effective automatic system deployed in agricultural Internet of Things using Multi-Context Fusion Network towards crop disease recognition in the wild. Applied Soft Computing Journal, 2020, 89, 106128.	4.1	51
7	AgriPest: A Large-Scale Domain-Specific Benchmark Dataset for Practical Agricultural Pest Detection in the Wild. Sensors, 2021, 21, 1601.	2.1	42
8	A coarse-to-fine network for aphid recognition and detection in the field. Biosystems Engineering, 2019, 187, 39-52.	1.9	39
9	Deep Learning Based Automatic Multiclass Wild Pest Monitoring Approach Using Hybrid Global and Local Activated Features. IEEE Transactions on Industrial Informatics, 2021, 17, 7589-7598.	7.2	32
10	Convolutional neural network based automatic pest monitoring system using hand-held mobile image analysis towards non-site-specific wild environment. Computers and Electronics in Agriculture, 2021, 187, 106268.	3.7	21
11	A multi-branch convolutional neural network with density map for aphid counting. Biosystems Engineering, 2022, 213, 148-161.	1.9	15
12	Towards densely clustered tiny pest detection in the wild environment. Neurocomputing, 2022, 490, 400-412.	3.5	14
13	MSR-RCNN: A Multi-Class Crop Pest Detection Network Based on a Multi-Scale Super-Resolution Feature Enhancement Module. Frontiers in Plant Science, 2022, 13, 810546.	1.7	14
14	When Pansharpening Meets Graph Convolution Network and Knowledge Distillation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	13
15	Toward Real-World Category-Level Articulation Pose Estimation. IEEE Transactions on Image Processing, 2022, 31, 1072-1083.	6.0	10
16	Learning region-guided scale-aware feature selection for object detection. Neural Computing and Applications, 2021, 33, 6389-6403.	3.2	3
17	GSS-RiskAsser: A Multi-Modal Deep-Learning Framework for Urban Gas Supply System Risk Assessment on Business Users. Sensors, 2021, 21, 7010.	2.1	1
18	Fast location and segmentation of highâ€throughput damaged soybean seeds with invertible neural networks. Journal of the Science of Food and Agriculture, 2022, , .	1.7	1

#	Article	IF	Citations
19	ASP-Det: Toward Appearance-Similar Light-Trap Agricultural Pest Detection and Recognition. Frontiers in Plant Science, 0, 13, .	1.7	1