Liu Liu

List of Publications by Year
in descending order

19 papers	747 citations	840585 11 h-index	839398 18 g-index
19 all docs	19 docs citations	19 times ranked	379 citing authors

#	Article	IF	Citations
1	Toward Real-World Category-Level Articulation Pose Estimation. IEEE Transactions on Image Processing, 2022, 31, 1072-1083.	6.0	10
2	A multi-branch convolutional neural network with density map for aphid counting. Biosystems Engineering, 2022, 213, 148-161.	1.9	15
3	Towards densely clustered tiny pest detection in the wild environment. Neurocomputing, 2022, 490, 400-412.	3.5	14
4	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
5	Fast location and segmentation of high‐throughput damaged soybean seeds with invertible neural networks. Journal of the Science of Food and Agriculture, 2022, , .	1.7	1
6	When Pansharpening Meets Graph Convolution Network and Knowledge Distillation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	13
7	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
8	Learning region-guided scale-aware feature selection for object detection. Neural Computing and Applications, 2021, 33, 6389-6403.	3.2	3
9	AgriPest: A Large-Scale Domain-Specific Benchmark Dataset for Practical Agricultural Pest Detection in the Wild. Sensors, 2021, 21, 1601.	2.1	42
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	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
12	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
13	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
14	A Recognition Method for Rice Plant Diseases and Pests Video Detection Based on Deep Convolutional Neural Network. Sensors, 2020, 20, 578.	2.1	139
15	A coarse-to-fine network for aphid recognition and detection in the field. Biosystems Engineering, 2019, 187, 39-52.	1.9	39
16	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
17	A Deep Learning Framework for Driving Behavior Identification on In-Vehicle CAN-BUS Sensor Data. Sensors, 2019, 19, 1356.	2.1	79
18	An Effective Data Augmentation Strategy for CNN-Based Pest Localization and Recognition in the Field. IEEE Access, 2019, 7, 160274-160283.	2.6	56

#	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