Lufeng Luo

List of Publications by Year
in descending order

19	832	840119 11	794141 19
papers	citations	h-index	g-index

20	20	20	559
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of Convolutional Neural Network-Based Detection Methods in Fresh Fruit Production: A Comprehensive Review. Frontiers in Plant Science, 2022, 13, .	1.7	10
2	A Novel Efficient Convolutional Neural Algorithm for Multi-Category Aliasing Hardware Recognition. Sensors, 2022, 22, 5358.	2.1	2
3	YOLOv3-Litchi Detection Method of Densely Distributed Litchi in Large Vision Scenes. Mathematical Problems in Engineering, 2021, 2021, 1-11.	0.6	23
4	An approach on stability analysis of cable-driven parallel robots considering cable mass. AIP Advances, 2021, 11, 055014.	0.6	2
5	Fruit Detection and Pose Estimation for Grape Clusterâ€“Harvesting Robot Using Binocular Imagery Based on Deep Neural Networks. Frontiers in Robotics and AI, 2021, 8, 626989.	2.0	28
6	Grape Berry Detection and Size Measurement Based on Edge Image Processing and Geometric Morphology. Machines, 2021, 9, 233.	1.2	24
7	Leveraging Multimodal Out-of-Domain Information to Improve Low-Resource Speech Translation. Security and Communication Networks, 2021, 2021, 1-14.	1.0	1
8	SwinGD: A Robust Grape Bunch Detection Model Based on Swin Transformer in Complex Vineyard Environment. Horticulturae, 2021, 7, 492.	1.2	30
9	Recognition and Localization Methods for Vision-Based Fruit Picking Robots: A Review. Frontiers in Plant Science, 2020, 11, 510.	1.7	294
10	A vision methodology for harvesting robot to detect cutting points on peduncles of double overlapping grape clusters in a vineyard. Computers in Industry, 2018, 99, 130-139.	5.7	93
11	Vehicle Information Influence Degree Screening Method Based on GEP Optimized RBF Neural Network. Complexity, 2018, 2018, 1-12.	0.9	5
12	Collision-Free Path-Planning for Six-DOF Serial Harvesting Robot Based on Energy Optimal and Artificial Potential Field. Complexity, 2018, 2018, 1-12.	0.9	19
13	Measurement method of LCD surface deformation for smartphone based on optical vision sensing system. Optik, 2018, 172, 1079-1088.	1.4	5
14	Recognition and Matching of Clustered Mature Litchi Fruits Using Binocular Charge-Coupled Device (CCD) Color Cameras. Sensors, 2017, 17, 2564.	2.1	40
15	Robust Grape Cluster Detection in a Vineyard by Combining the AdaBoost Framework and Multiple Color Components. Sensors, 2016, 16, 2098.	2.1	70
16	Localisation of litchi in an unstructured environment using binocular stereo vision. Biosystems Engineering, 2016, 145, 39-51.	1.9	91
17	Vision-based extraction of spatial information in grape clusters for harvesting robots. Biosystems Engineering, 2016, 151, 90-104.	1.9	85
18	Extracting Behavior Knowledge and Modeling Based on Virtual Agricultural Mobile Robot. Lecture Notes in Computer Science, 2006, , 28-37.	1.0	6

#	Article	IF	Citations
19	Estimation of Characteristic Parameters of Grape Clusters Based on Point Cloud Data. Frontiers in Plant Science, 0, 13, .	1.7	3