

Lufeng Luo

List of Publications by Year in descending order

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19
papers

832
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840119

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20
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citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition and Localization Methods for Vision-Based Fruit Picking Robots: A Review. <i>Frontiers in Plant Science</i> , 2020, 11, 510.	1.7	294
2	A vision methodology for harvesting robot to detect cutting points on peduncles of double overlapping grape clusters in a vineyard. <i>Computers in Industry</i> , 2018, 99, 130-139.	5.7	93
3	Localisation of litchi in an unstructured environment using binocular stereo vision. <i>Biosystems Engineering</i> , 2016, 145, 39-51.	1.9	91
4	Vision-based extraction of spatial information in grape clusters for harvesting robots. <i>Biosystems Engineering</i> , 2016, 151, 90-104.	1.9	85
5	Robust Grape Cluster Detection in a Vineyard by Combining the AdaBoost Framework and Multiple Color Components. <i>Sensors</i> , 2016, 16, 2098.	2.1	70
6	Recognition and Matching of Clustered Mature Litchi Fruits Using Binocular Charge-Coupled Device (CCD) Color Cameras. <i>Sensors</i> , 2017, 17, 2564.	2.1	40
7	SwinGD: A Robust Grape Bunch Detection Model Based on Swin Transformer in Complex Vineyard Environment. <i>Horticulturae</i> , 2021, 7, 492.	1.2	30
8	Fruit Detection and Pose Estimation for Grape Cluster Harvesting Robot Using Binocular Imagery Based on Deep Neural Networks. <i>Frontiers in Robotics and AI</i> , 2021, 8, 626989.	2.0	28
9	Grape Berry Detection and Size Measurement Based on Edge Image Processing and Geometric Morphology. <i>Machines</i> , 2021, 9, 233.	1.2	24
10	YOLOv3-Litchi Detection Method of Densely Distributed Litchi in Large Vision Scenes. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-11.	0.6	23
11	Collision-Free Path-Planning for Six-DOF Serial Harvesting Robot Based on Energy Optimal and Artificial Potential Field. <i>Complexity</i> , 2018, 2018, 1-12.	0.9	19
12	Application of Convolutional Neural Network-Based Detection Methods in Fresh Fruit Production: A Comprehensive Review. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	10
13	Extracting Behavior Knowledge and Modeling Based on Virtual Agricultural Mobile Robot. <i>Lecture Notes in Computer Science</i> , 2006, , 28-37.	1.0	6
14	Vehicle Information Influence Degree Screening Method Based on GEP Optimized RBF Neural Network. <i>Complexity</i> , 2018, 2018, 1-12.	0.9	5
15	Measurement method of LCD surface deformation for smartphone based on optical vision sensing system. <i>Optik</i> , 2018, 172, 1079-1088.	1.4	5
16	Estimation of Characteristic Parameters of Grape Clusters Based on Point Cloud Data. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
17	An approach on stability analysis of cable-driven parallel robots considering cable mass. <i>AIP Advances</i> , 2021, 11, 055014.	0.6	2
18	A Novel Efficient Convolutional Neural Algorithm for Multi-Category Aliasing Hardware Recognition. <i>Sensors</i> , 2022, 22, 5358.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Leveraging Multimodal Out-of-Domain Information to Improve Low-Resource Speech Translation. Security and Communication Networks, 2021, 2021, 1-14.	1.0	1