Jordi GenÃ©-Mola

List of Publications by Year
in descending order

16 papers	509 citations	933264 10 h-index	996849 15 g-index
16 all docs	16 docs citations	16 times ranked	330 citing authors

#	Article	IF	Citations
1	Multi-modal deep learning for Fuji apple detection using RGB-D cameras and their radiometric capabilities. Computers and Electronics in Agriculture, 2019, 162, 689-698.	3.7	102
2	Fruit detection and 3D location using instance segmentation neural networks and structure-from-motion photogrammetry. Computers and Electronics in Agriculture, 2020, 169, 105165.	3.7	90
3	Fruit detection in an apple orchard using a mobile terrestrial laser scanner. Biosystems Engineering, 2019, 187, 171-184.	1.9	69
4	Fruit detection, yield prediction and canopy geometric characterization using LiDAR with forced air flow. Computers and Electronics in Agriculture, 2020, 168, 105121.	3.7	56
5	In-field apple size estimation using photogrammetry-derived 3D point clouds: Comparison of 4 different methods considering fruit occlusions. Computers and Electronics in Agriculture, 2021, 188, 106343.	3.7	38
6	Kinect v2 Sensor-Based Mobile Terrestrial Laser Scanner for Agricultural Outdoor Applications. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2420-2427.	3.7	36
7	KFuji RGB-DS database: Fuji apple multi-modal images for fruit detection with color, depth and range-corrected IR data. Data in Brief, 2019, 25, 104289.	0.5	23
8	Fuji-SfM dataset: A collection of annotated images and point clouds for Fuji apple detection and location using structure-from-motion photogrammetry. Data in Brief, 2020, 30, 105591.	0.5	23
9	Assessing the Performance of RGB-D Sensors for 3D Fruit Crop Canopy Characterization under Different Operating and Lighting Conditions. Sensors, 2020, 20, 7072.	2.1	18
10	Analyzing and overcoming the effects of GNSS error on LiDAR based orchard parameters estimation. Computers and Electronics in Agriculture, 2020, 170, 105255.	3.7	16
11	LFuji-air dataset: Annotated 3D LiDAR point clouds of Fuji apple trees for fruit detection scanned under different forced air flow conditions. Data in Brief, 2020, 29, 105248.	0.5	8
12	Comparison of 3D scan matching techniques for autonomous robot navigation in urban and agricultural environments. Journal of Applied Remote Sensing, 2021, 15, .	0.6	8
13	PFuji-Size dataset: A collection of images and photogrammetry-derived 3D point clouds with ground truth annotations for Fuji apple detection and size estimation in field conditions. Data in Brief, 2021, 39, 107629.	0.5	8
14	Polarization Lidar Detection of Agricultural Aerosol Emissions. Journal of Sensors, 2018, 2018, 1-9.	0.6	7
15	Evaluation of a boxwood topiary trimming robot. Biosystems Engineering, 2022, 214, 11-27.	1.9	7
16	3D Spectral Graph Wavelet Point Signatures in Pre-Processing Stage for Mobile Laser Scanning Point Cloud Registration in Unstructured Orchard Environments. IEEE Sensors Journal, 2022, 22, 1720-1728.	2.4	0