Jordi Gené-Mola

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	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
2	Evaluation of a boxwood topiary trimming robot. Biosystems Engineering, 2022, 214, 11-27.	1.9	7
3	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
4	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
5	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
6	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
7	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
8	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
9	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
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	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
12	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
13	Fruit detection in an apple orchard using a mobile terrestrial laser scanner. Biosystems Engineering, 2019, 187, 171-184.	1.9	69
14	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
15	Polarization Lidar Detection of Agricultural Aerosol Emissions. Journal of Sensors, 2018, 2018, 1-9.	0.6	7
16	Kinect v2 Sensor-Based Mobile Terrestrial Laser Scanner for Agricultural Outdoor Applications. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2420-2427.	3.7	36