Scarlett Liu

List of Publications by Year
in descending order

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21 papers	630 citations	687363 13 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	607 citing authors

#	Article	IF	Citations
1	Numerical study on the aerodynamic pressure of a metro train running between two adjacent platforms. Tunnelling and Underground Space Technology, 2017, 65, 187-199.	6.2	77
2	Automatic grape bunch detection in vineyards with an SVM classifier. Journal of Applied Logic, 2015, 13, 643-653.	1.1	70
3	Numerical simulation of the Reynolds number effect on the aerodynamic pressure in tunnels. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 173, 187-198.	3.9	69
4	A computer vision system for early stage grape yield estimation based on shoot detection. Computers and Electronics in Agriculture, 2017, 137, 88-101.	7.7	59
5	A review of applications of visual inspection technology based on image processing in the railway industry. Transportation Safety and Environment, 2019, 1, 185-204.	2.1	59
6	Microscope image based fully automated stomata detection and pore measurement method for grapevines. Plant Methods, 2017, 13, 94.	4.3	42
7	The accuracy and utility of a low cost thermal camera and smartphone-based system to assess grapevine water status. Biosystems Engineering, 2019, 179, 126-139.	4.3	41
8	A Novel Bearing Fault Classification Method Based on XGBoost: The Fusion of Deep Learning-Based Features and Empirical Features. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	40
9	Utilizing information and knowledge models to support global manufacturing co-ordination decisions. International Journal of Computer Integrated Manufacturing, 2004, 17, 479-492.	4.6	35
10	A robust automated flower estimation system for grape vines. Biosystems Engineering, 2018, 172, 110-123.	4.3	29
11	A vision-based robust grape berry counting algorithm for fast calibration-free bunch weight estimation in the field. Computers and Electronics in Agriculture, 2020, 173, 105360.	7.7	28
12	Novel Vision-Based Abnormal Behavior Localization of Pantograph-Catenary for High-Speed Trains. IEEE Access, 2019, 7, 180935-180946.	4.2	20
13	3DBunch: A Novel iOS-Smartphone Application to Evaluate the Number of Grape Berries per Bunch Using Image Analysis Techniques. IEEE Access, 2020, 8, 114663-114674.	4.2	18
14	A Fast Method to Measure Stomatal Aperture by MSER on Smart Mobile Phone. , 2016, , .		11
15	Threeâ€dimensional reconstruction of<scp>Vitis vinifera</scp>(L.) cvs Pinot Noir and Merlot grape bunch frameworks using a restricted reconstruction grammar based on the stochastic Lâ€system. Australian Journal of Grape and Wine Research, 2020, 26, 207-219.	2.1	9
16	Automatic grape bunch detection in vineyards for precise yield estimation. , 2015, , .		7
17	Non-Productive Vine Canopy Estimation through Proximal and Remote Sensing**This work was supported by Wine Australia. IFAC-PapersOnLine, 2016, 49, 398-403.	0.9	5
18	Spatial Map Generation from Low Cost Ground Vehicle Mounted Monocular Camera. IFAC-PapersOnLine, 2016, 49, 231-236.	0.9	3

#	Article	IF	Citations
19	Efficient colour image compression using fusion approach. Imaging Science Journal, 2016, 64, 166-177.	0.5	3
20	Laser distance measurement by triangular-wave amplitude modulation based on the least squares. Infrared Physics and Technology, 2020, 104, 103146.	2.9	3
21	Smartphone tools for measuring vine water status. Acta Horticulturae, 2018, , 53-58.	0.2	2