Scarlett Liu

List of Publications by Year
in descending order

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	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
2	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
3	Three‑dimensional reconstruction of <scp><i>Vitis vinifera</i></scp> (L.) cvs Pinot Noir and Merlot grape bunch frameworks using a restricted reconstruction grammar based on the stochastic L‑system. Australian Journal of Grape and Wine Research, 2020, 26, 207-219.	2.1	9
4	Laser distance measurement by triangular-wave amplitude modulation based on the least squares. Infrared Physics and Technology, 2020, 104, 103146.	2.9	3
5	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
6	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
7	Novel Vision-Based Abnormal Behavior Localization of Pantograph-Catenary for High-Speed Trains. IEEE Access, 2019, 7, 180935-180946.	4.2	20
8	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
9	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
10	Smartphone tools for measuring vine water status. Acta Horticulturae, 2018, , 53-58.	0.2	2
11	A robust automated flower estimation system for grape vines. Biosystems Engineering, 2018, 172, 110-123.	4.3	29
12	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
13	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
14	Microscope image based fully automated stomata detection and pore measurement method for grapevines. Plant Methods, 2017, 13, 94.	4.3	42
15	Spatial Map Generation from Low Cost Ground Vehicle Mounted Monocular Camera. IFAC-PapersOnLine, 2016, 49, 231-236.	0.9	3
16	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
17	Efficient colour image compression using fusion approach. Imaging Science Journal, 2016, 64, 166-177.	0.5	3
18	A Fast Method to Measure Stomatal Aperture by MSER on Smart Mobile Phone. , 2016, , .		11

#	Article	IF	Citations
19	Automatic grape bunch detection in vineyards with an SVM classifier. Journal of Applied Logic, 2015, 13, 643-653.	1.1	70
20	Automatic grape bunch detection in vineyards for precise yield estimation. , 2015, , .		7
21	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