

Guantao Xuan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

316
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral imaging for non-destructive detection of honey adulteration. <i>Vibrational Spectroscopy</i> , 2022, 118, 103340.	2.2	15
2	Spectral and image analysis of hyperspectral data for internal and external quality assessment of peach fruit. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 121016.	3.9	22
3	Early diagnosis and pathogenesis monitoring of wheat powdery mildew caused by blumeria graminis using hyperspectral imaging. <i>Computers and Electronics in Agriculture</i> , 2022, 197, 106921.	7.7	15
4	A new quantitative index for the assessment of tomato quality using Vis-NIR hyperspectral imaging. <i>Food Chemistry</i> , 2022, 386, 132864.	8.2	26
5	Assessment of Strawberry Ripeness Using Hyperspectral Imaging. <i>Analytical Letters</i> , 2021, 54, 1547-1560.	1.8	25
6	Soluble solids content monitoring for shelf-life assessment of table grapes coated with chitosan using hyperspectral imaging. <i>Infrared Physics and Technology</i> , 2021, 115, 103725.	2.9	12
7	Maturity determination at harvest and spatial assessment of moisture content in okra using Vis-NIR hyperspectral imaging. <i>Postharvest Biology and Technology</i> , 2021, 180, 111597.	6.0	27
8	In-field and non-invasive determination of internal quality and ripeness stages of Feicheng peach using a portable hyperspectral imager. <i>Biosystems Engineering</i> , 2021, 212, 115-125.	4.3	15
9	Application of hyperspectral imaging for spatial prediction of soluble solid content in sweet potato. <i>RSC Advances</i> , 2020, 10, 33148-33154.	3.6	19
10	Apple Detection in Natural Environment Using Deep Learning Algorithms. <i>IEEE Access</i> , 2020, 8, 216772-216780.	4.2	22
11	Real-time hyperspectral imaging for the in-field estimation of strawberry ripeness with deep learning. <i>Artificial Intelligence in Agriculture</i> , 2020, 4, 31-38.	6.0	72
12	Detection of adulterants and authenticity discrimination for coarse grain flours using NIR hyperspectral imaging. <i>Journal of Food Process Engineering</i> , 2019, 42, e13265.	2.9	8
13	Determination of the bruise degree for cherry using Vis-NIR reflection spectroscopy coupled with multivariate analysis. <i>PLoS ONE</i> , 2019, 14, e0222633.	2.5	26
14	Identification of adulterated cooked millet flour with Hyperspectral Imaging Analysis. <i>IFAC-PapersOnLine</i> , 2018, 51, 96-101.	0.9	12