Diane E Chan

List of Publications by Year
in descending order

18 papers	728 citations	687363 13 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	578 citing authors

#	Article	IF	Citations
1	Investigation of reflectance, fluorescence, and Raman hyperspectral imaging techniques for rapid detection of aflatoxins in ground maize. Food Control, 2022, 132, 108479.	5.5	16
2	Combining deep learning and fluorescence imaging to automatically identify fecal contamination on meat carcasses. Scientific Reports, 2022, 12, 2392.	3.3	13
3	Shortwave infrared hyperspectral imaging system coupled with multivariable method for TVB-N measurement in pork. Food Control, 2021, 124, 107854.	5.5	22
4	Handheld Multispectral Fluorescence Imaging System to Detect and Disinfect Surface Contamination. Sensors, 2021, 21, 7222.	3.8	7
5	Hyperspectral Imaging from a Multipurpose Floating Platform to Estimate Chlorophyll-a Concentrations in Irrigation Pond Water. Remote Sensing, 2020, 12, 2070.	4.0	13
6	A Spatially Offset Raman Spectroscopy Method for Non-Destructive Detection of Gelatin-Encapsulated Powders. Sensors, 2017, 17, 618.	3.8	18
7	Line-Scan Hyperspectral Imaging Techniques for Food Safety and Quality Applications. Applied Sciences (Switzerland), 2017, 7, 125.	2.5	63
8	Multispectral fluorescence imaging for detection of bovine faeces on Romaine lettuce and baby spinach leaves. Biosystems Engineering, 2014, 127, 125-134.	4.3	13
9	Development of multispectral imaging algorithm for detection of frass on mature red tomatoes. Postharvest Biology and Technology, 2014, 93, 1-8.	6.0	21
10	Visible to SWIR hyperspectral imaging for produce safety and quality evaluation. Sensing and Instrumentation for Food Quality and Safety, 2011, 5, 155-164.	1.5	22
11	The development of a simple multispectral algorithm for detection of fecal contamination on apples using a hyperspectral line-scan imaging system. Sensing and Instrumentation for Food Quality and Safety, 2011, 5, 10-18.	1.5	18
12	Multispectral line-scan imaging system for simultaneous fluorescence and reflectance measurements of apples: multitask apple inspection system. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 123-129.	1.5	30
13	Development of simple algorithms for the detection of fecal contaminants on apples from visible/near infrared hyperspectral reflectance imaging. Journal of Food Engineering, 2007, 81, 412-418.	5.2	96
14	Fast line-scan imaging system for broiler carcass inspection. Sensing and Instrumentation for Food Quality and Safety, 2007, 1, 62-71.	1.5	21
15	Comparison of Visible and near Infrared Reflectance Spectroscopy for the Detection of Faeces/Ingesta Contaminants for Sanitation Verification at Slaughter Plants. Journal of Near Infrared Spectroscopy, 2006, 14, 325-331.	1.5	2
16	Detection of fecal/ingesta contaminants at slaughter plants from a number of characteristic visible and near infrared bands. , 2006, , .		0
17	Development of a Simple Algorithm for the Detection of Chilling Injury in Cucumbers from Visible/Near-Infrared Hyperspectral Imaging. Applied Spectroscopy, 2005, 59, 78-85.	2.2	56
18	Development of hyperspectral imaging technique for the detection of apple surface defects and contaminations. Journal of Food Engineering, 2004, 61, 67-81.	5.2	297