

# Diane E Chan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10794420/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	Line-Scan Hyperspectral Imaging Techniques for Food Safety and Quality Applications. Applied Sciences (Switzerland), 2017, 7, 125.	2.5	63
4	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
5	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
6	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
7	Shortwave infrared hyperspectral imaging system coupled with multivariable method for TVB-N measurement in pork. Food Control, 2021, 124, 107854.	5.5	22
8	Fast line-scan imaging system for broiler carcass inspection. Sensing and Instrumentation for Food Quality and Safety, 2007, 1, 62-71.	1.5	21
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	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
11	A Spatially Offset Raman Spectroscopy Method for Non-Destructive Detection of Gelatin-Encapsulated Powders. Sensors, 2017, 17, 618.	3.8	18
12	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
13	Multispectral fluorescence imaging for detection of bovine faeces on Romaine lettuce and baby spinach leaves. Biosystems Engineering, 2014, 127, 125-134.	4.3	13
14	Hyperspectral Imaging from a Multipurpose Floating Platform to Estimate Chlorophyll-a Concentrations in Irrigation Pond Water. Remote Sensing, 2020, 12, 2070.	4.0	13
15	Combining deep learning and fluorescence imaging to automatically identify fecal contamination on meat carcasses. Scientific Reports, 2022, 12, 2392.	3.3	13
16	Handheld Multispectral Fluorescence Imaging System to Detect and Disinfect Surface Contamination. Sensors, 2021, 21, 7222.	3.8	7
17	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
18	Detection of fecal/ingesta contaminants at slaughter plants from a number of characteristic visible and near infrared bands. , 2006, , .		0