

Kuanglin Chao

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,105
citations

236925

25
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

2766
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and Evaluation of Composition in Food Powder Using Point-Scan Raman Spectral Imaging. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1.	2.5	559
2	Assessment of Polysaccharides from Mycelia of genus <i>Ganoderma</i> by Mid-Infrared and Near-Infrared Spectroscopy. <i>Scientific Reports</i> , 2018, 8, 10.	3.3	139
3	Simultaneous detection of multiple adulterants in dry milk using macro-scale Raman chemical imaging. <i>Food Chemistry</i> , 2013, 138, 998-1007.	8.2	107
4	Evaluation of Turmeric Powder Adulterated with Metanil Yellow Using FT-Raman and FT-IR Spectroscopy. <i>Foods</i> , 2016, 5, 36.	4.3	93
5	Detection of melamine in milk powders using near-infrared hyperspectral imaging combined with regression coefficient of partial least square regression model. <i>Talanta</i> , 2016, 151, 183-191.	5.5	92
6	Citrus canker detection using hyperspectral reflectance imaging and PCA-based image classification method. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2008, 2, 168-177.	1.5	91
7	Prototype instrument development for non-destructive detection of pesticide residue in apple surface using Raman technology. <i>Journal of Food Engineering</i> , 2014, 123, 94-103.	5.2	63
8	Line-Scan Hyperspectral Imaging Techniques for Food Safety and Quality Applications. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 125.	2.5	63
9	Surface-Enhanced Raman Spectroscopy for Trace Detection of Tetracycline and Dicyandiamide in Milk Using Transparent Substrate of Ag Nanoparticle Arrays. <i>ACS Applied Nano Materials</i> , 2020, 3, 7066-7075.	5.0	52
10	Spatial assessment of soluble solid contents on apple slices using hyperspectral imaging. <i>Biosystems Engineering</i> , 2017, 159, 10-21.	4.3	51
11	A Simple Surface-Enhanced Raman Spectroscopic Method for on-Site Screening of Tetracycline Residue in Whole Milk. <i>Sensors</i> , 2018, 18, 424.	3.8	49
12	Assessment of bacterial biofilm on stainless steel by hyperspectral fluorescence imaging. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009, 3, 41-48.	1.5	44
13	Line-Scan Macro-scale Raman Chemical Imaging for Authentication of Powdered Foods and Ingredients. <i>Food and Bioprocess Technology</i> , 2016, 9, 113-123.	4.7	39
14	Raman spectral imaging for quantitative contaminant evaluation in skim milk powder. <i>Journal of Food Measurement and Characterization</i> , 2016, 10, 374-386.	3.2	35
15	Effects of the Adulteration Technique on the Near-Infrared Detection of Melamine in Milk Powder. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5799-5809.	5.2	35
16	A line-scan hyperspectral Raman system for spatially offset Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 437-443.	2.5	34
17	Detection of Additives and Chemical Contaminants in Turmeric Powder Using FT-IR Spectroscopy. <i>Foods</i> , 2019, 8, 143.	4.3	34
18	A facile and label-free SERS approach for inspection of fipronil in chicken eggs using SiO ₂ @Au core/shell nanoparticles. <i>Talanta</i> , 2020, 207, 120324.	5.5	34

#	ARTICLE	IF	CITATIONS
19	Extraction and identification of mixed pesticides' Raman signal and establishment of their prediction models. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 494-500.	2.5	33
20	Machine vision system for online inspection of freshly slaughtered chickens. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009, 3, 70-80.	1.5	32
21	Development of a Raman chemical imaging detection method for authenticating skim milk powder. <i>Journal of Food Measurement and Characterization</i> , 2014, 8, 122-131.	3.2	31
22	Multispectral line-scan imaging system for simultaneous fluorescence and reflectance measurements of apples: multitask apple inspection system. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2008, 2, 123-129.	1.5	30
23	Detection and quantification of adulterants in milk powder using a high-throughput Raman chemical imaging technique. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 152-161.	2.3	30
24	Raman and IR spectroscopic modality for authentication of turmeric powder. <i>Food Chemistry</i> , 2020, 320, 126567.	8.2	30
25	Detection of Cracks on Tomatoes Using a Hyperspectral Near-Infrared Reflectance Imaging System. <i>Sensors</i> , 2014, 14, 18837-18850.	3.8	29
26	Fabrication of a Novel Transparent SERS Substrate Comprised of Ag-nanoparticle Arrays and its Application in Rapid Detection of Ractopamine on Meat. <i>Food Analytical Methods</i> , 2018, 11, 2329-2335.	2.6	28
27	Penetration Depth Measurement of Near-Infrared Hyperspectral Imaging Light for Milk Powder. <i>Sensors</i> , 2016, 16, 441.	3.8	25
28	Quantitative Detection of Benzoyl Peroxide in Wheat Flour Using Line-Scan Macroscale Raman Chemical Imaging. <i>Applied Spectroscopy</i> , 2017, 71, 2469-2476.	2.2	23
29	Visible to SWIR hyperspectral imaging for produce safety and quality evaluation. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2011, 5, 155-164.	1.5	22
30	Development of multispectral imaging algorithm for detection of frass on mature red tomatoes. <i>Postharvest Biology and Technology</i> , 2014, 93, 1-8.	6.0	21
31	A 1064 nm Dispersive Raman Spectral Imaging System for Food Safety and Quality Evaluation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 431.	2.5	21
32	Detection of Azo Dyes in Curry Powder Using a 1064-nm Dispersive Point-Scan Raman System. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 564.	2.5	21
33	Feasibility of colloidal silver SERS for rapid bacterial screening. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009, 3, 100-107.	1.5	20
34	A feasibility study of rapid nondestructive detection of total volatile basic nitrogen (TVB-N) content in beef based on airflow and laser ranging technique. <i>Meat Science</i> , 2018, 145, 367-374.	5.5	20
35	The development of a simple multispectral algorithm for detection of fecal contamination on apples using a hyperspectral line-scan imaging system. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2011, 5, 10-18.	1.5	18
36	A Line-Scan Hyperspectral System for High-Throughput Raman Chemical Imaging. <i>Applied Spectroscopy</i> , 2014, 68, 692-695.	2.2	18

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37	A Spatially Offset Raman Spectroscopy Method for Non-Destructive Detection of Gelatin-Encapsulated Powders. <i>Sensors</i> , 2017, 17, 618.	3.8	18
38	Prediction of infertile chicken eggs before hatching by the Naïve-Bayes method combined with visible near infrared transmission spectroscopy. <i>Spectroscopy Letters</i> , 2020, 53, 327-336.	1.0	10
39	A Nondestructive Detection Method for Mixed Veterinary Drugs in Pork Using Line-Scan Raman Chemical Imaging Technology. <i>Food Analytical Methods</i> , 2019, 12, 658-667.	2.6	7
40	Rapid detection of benzoyl peroxide in wheat flour by using Raman scattering spectroscopy. , 2015, , .		2
41	Food process automation. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009, 3, 1-2.	1.5	1
42	A rapid and precise spectroscopic method for detecting fipronil insecticide on solid surfaces. <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 2710-2717.	3.2	1
43	DETECTION OF FECAL RESIDUE ON POULTRY CARCASSES BY LASER INDUCED FLUORESCENCE IMAGING. , 2008, , .		0
44	LINE-SCAN SPECTRAL IMAGING SYSTEM FOR ONLINE POULTRY CARCASS INSPECTION. , 2008, , .		0