Kuanglin Chao

List of Publications by Year
in descending order

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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	A rapid and precise spectroscopic method for detecting fipronil insecticide on solid surfaces. Journal of Food Measurement and Characterization, 2022, 16, 2710-2717.	3.2	1
2	A facile and label-free SERS approach for inspection of fipronil in chicken eggs using SiO2@Au core/shell nanoparticles. Talanta, 2020, 207, 120324.	5.5	34
3	Surface-Enhanced Raman Spectroscopy for Trace Detection of Tetracycline and Dicyandiamide in Milk Using Transparent Substrate of Ag Nanoparticle Arrays. ACS Applied Nano Materials, 2020, 3, 7066-7075.	5.0	52
4	Raman and IR spectroscopic modality for authentication of turmeric powder. Food Chemistry, 2020, 320, 126567.	8.2	30
5	Prediction of infertile chicken eggs before hatching by the NaÃ¯ve-Bayes method combined with visible near infrared transmission spectroscopy. Spectroscopy Letters, 2020, 53, 327-336.	1.0	10
6	Detection of Additives and Chemical Contaminants in Turmeric Powder Using FT-IR Spectroscopy. Foods, 2019, 8, 143.	4.3	34
7	A Nondestructive Detection Method for Mixed Veterinary Drugs in Pork Using Line-Scan Raman Chemical Imaging Technology. Food Analytical Methods, 2019, 12, 658-667.	2.6	7
8	Assessment of Polysaccharides from Mycelia of genus Ganoderma by Mid-Infrared and Near-Infrared Spectroscopy. Scientific Reports, 2018, 8, 10.	3.3	139
9	Fabrication of a Novel Transparent SERS Substrate Comprised of Ag-nanoparticle Arrays and its Application in Rapid Detection of Ractopamine on Meat. Food Analytical Methods, 2018, 11, 2329-2335.	2.6	28
10	A feasibility study of rapid nondestructive detection of total volatile basic nitrogen (TVB-N) content in beef based on airflow and laser ranging technique. Meat Science, 2018, 145, 367-374.	5.5	20
11	A 1064 nm Dispersive Raman Spectral Imaging System for Food Safety and Quality Evaluation. Applied Sciences (Switzerland), 2018, 8, 431.	2.5	21
12	Detection of Azo Dyes in Curry Powder Using a 1064-nm Dispersive Point-Scan Raman System. Applied Sciences (Switzerland), 2018, 8, 564.	2.5	21
13	A Simple Surface-Enhanced Raman Spectroscopic Method for on-Site Screening of Tetracycline Residue in Whole Milk. Sensors, 2018, 18, 424.	3.8	49
14	Quantitative Detection of Benzoyl Peroxide in Wheat Flour Using Line-Scan Macroscale Raman Chemical Imaging. Applied Spectroscopy, 2017, 71, 2469-2476.	2.2	23
15	Effects of the Adulteration Technique on the Near-Infrared Detection of Melamine in Milk Powder. Journal of Agricultural and Food Chemistry, 2017, 65, 5799-5809.	5.2	35
16	Spatial assessment of soluble solid contents on apple slices using hyperspectral imaging. Biosystems Engineering, 2017, 159, 10-21.	4.3	51
17	Extraction and identification of mixed pesticides' Raman signal and establishment of their prediction models. Journal of Raman Spectroscopy, 2017, 48, 494-500.	2.5	33
18	Detection and quantification of adulterants in milk powder using a high-throughput Raman chemical imaging technique. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 152-161.	2.3	30

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19	A Spatially Offset Raman Spectroscopy Method for Non-Destructive Detection of Gelatin-Encapsulated Powders. Sensors, 2017, 17, 618.	3.8	18
20	Identification and Evaluation of Composition in Food Powder Using Point-Scan Raman Spectral Imaging. Applied Sciences (Switzerland), 2017, 7, 1.	2.5	559
21	Line-Scan Hyperspectral Imaging Techniques for Food Safety and Quality Applications. Applied Sciences (Switzerland), 2017, 7, 125.	2.5	63
22	Evaluation of Turmeric Powder Adulterated with Metanil Yellow Using FT-Raman and FT-IR Spectroscopy. Foods, 2016, 5, 36.	4.3	93
23	Penetration Depth Measurement of Near-Infrared Hyperspectral Imaging Light for Milk Powder. Sensors, 2016, 16, 441.	3.8	25
24	Raman spectral imaging for quantitative contaminant evaluation in skim milk powder. Journal of Food Measurement and Characterization, 2016, 10, 374-386.	3.2	35
25	A lineâ€scan hyperspectral Raman system for spatially offset Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 437-443.	2.5	34
26	Detection of melamine in milk powders using near-infrared hyperspectral imaging combined with regression coefficient of partial least square regression model. Talanta, 2016, 151, 183-191.	5.5	92
27	Line-Scan Macro-scale Raman Chemical Imaging for Authentication of Powdered Foods and Ingredients. Food and Bioprocess Technology, 2016, 9, 113-123.	4.7	39
28	Rapid detection of benzoyl peroxide in wheat flour by using Raman scattering spectroscopy. , 2015, , .		2
29	Detection of Cracks on Tomatoes Using a Hyperspectral Near-Infrared Reflectance Imaging System. Sensors, 2014, 14, 18837-18850.	3.8	29
30	Development of a Raman chemical imaging detection method for authenticating skim milk powder. Journal of Food Measurement and Characterization, 2014, 8, 122-131.	3.2	31
31	Prototype instrument development for non-destructive detection of pesticide residue in apple surface using Raman technology. Journal of Food Engineering, 2014, 123, 94-103.	5.2	63
32	Development of multispectral imaging algorithm for detection of frass on mature red tomatoes. Postharvest Biology and Technology, 2014, 93, 1-8.	6.0	21
33	A Line-Scan Hyperspectral System for High-Throughput Raman Chemical Imaging. Applied Spectroscopy, 2014, 68, 692-695.	2.2	18
34	Simultaneous detection of multiple adulterants in dry milk using macro-scale Raman chemical imaging. Food Chemistry, 2013, 138, 998-1007.	8.2	107
35	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
36	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

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37	Feasibility of colloidal silver SERS for rapid bacterial screening. Sensing and Instrumentation for Food Quality and Safety, 2009, 3, 100-107.	1.5	20
38	Machine vision system for online inspection of freshly slaughtered chickens. Sensing and Instrumentation for Food Quality and Safety, 2009, 3, 70-80.	1.5	32
39	Assessment of bacterial biofilm on stainless steel by hyperspectral fluorescence imaging. Sensing and Instrumentation for Food Quality and Safety, 2009, 3, 41-48.	1.5	44
40	Food process automation. Sensing and Instrumentation for Food Quality and Safety, 2009, 3, 1-2.	1.5	1
41	Citrus canker detection using hyperspectral reflectance imaging and PCA-based image classification method. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 168-177.	1.5	91
42	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
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