Sagar Dhakal

List of Publications by Year
in descending order

31 papers	1,282 citations	516215 16 h-index	713013 21 g-index
31 all docs	31 docs citations	31 times ranked	1810 citing authors

#	Article	IF	Citations
1	Raman and IR spectroscopic modality for authentication of turmeric powder. Food Chemistry, 2020, 320, 126567.	4.2	30
2	Detection of Additives and Chemical Contaminants in Turmeric Powder Using FT-IR Spectroscopy. Foods, 2019, 8, 143.	1.9	34
3	Advances in Raman spectroscopy and imaging techniques for quality and safety inspection of horticultural products. Postharvest Biology and Technology, 2019, 149, 101-117.	2.9	45
4	Authentication of turmeric powder using hyperspectral Raman system. , 2019, , .		0
5	A 1064 nm Dispersive Raman Spectral Imaging System for Food Safety and Quality Evaluation. Applied Sciences (Switzerland), 2018, 8, 431.	1.3	21
6	Detection of Azo Dyes in Curry Powder Using a 1064-nm Dispersive Point-Scan Raman System. Applied Sciences (Switzerland), 2018, 8, 564.	1.3	21
7	A Simple Surface-Enhanced Raman Spectroscopic Method for on-Site Screening of Tetracycline Residue in Whole Milk. Sensors, 2018, 18, 424.	2.1	49
8	Detection of color dye contamination in spice powder using 1064 nm Raman chemical imaging system. , 2018, , .		0
9	Non-targeted and targeted Raman imaging detection of chemical contaminants in food powders. , 2018, , .		2
10	Raman spectroscopy method for subsurface detection of food powders through plastic layers. , 2017, , .		0
11	Subsurface inspection of food safety and quality using line-scan spatially offset Raman spectroscopy technique. Food Control, 2017, 75, 246-254.	2.8	28
12	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.	1.1	30
13	A Spatially Offset Raman Spectroscopy Method for Non-Destructive Detection of Gelatin-Encapsulated Powders. Sensors, 2017, 17, 618.	2.1	18
14	Identification and Evaluation of Composition in Food Powder Using Point-Scan Raman Spectral Imaging. Applied Sciences (Switzerland), 2017, 7, 1.	1.3	559
15	Evaluation of Turmeric Powder Adulterated with Metanil Yellow Using FT-Raman and FT-IR Spectroscopy. Foods, 2016, 5, 36.	1.9	93
16	Raman spectral imaging for quantitative contaminant evaluation in skim milk powder. Journal of Food Measurement and Characterization, 2016, 10, 374-386.	1.6	35
17	Detection of metanil yellow contamination in turmeric using FT-Raman and FT-IR spectroscopy. Proceedings of SPIE, 2016, , .	0.8	5
18	Raman-spectroscopy-based chemical contaminant detection in milk powder. , 2015, , .		0

#	Article	IF	Citations
19	Research on identification and determination of mixed pesticides in apples using surface enhanced Raman spectroscopy. Proceedings of SPIE, 2015, , .	0.8	1
20	Rapid detection of benzoyl peroxide in wheat flour by using Raman scattering spectroscopy. , 2015, , .		2
21	Depth of penetration of a 785nm wavelength laser in food powders. , 2015, , .		2
22	Rapid detection of chlorpyrifos pesticide residue concentration in agro-product using Raman spectroscopy. Proceedings of SPIE, 2014, , .	0.8	1
23	Prototype instrument development for non-destructive detection of pesticide residue in apple surface using Raman technology. Journal of Food Engineering, 2014, 123, 94-103.	2.7	63
24	Spoilage Detection of Chilled Meat during Shelf Life by using Hyperspectral Imaging Technique. , 2013, , .		0
25	Simultaneous determination of tenderness and Escherichia coli contamination of pork using hyperspectral scattering technique. Meat Science, 2012, 90, 851-857.	2.7	96
26	Rapid detection of pesticide residue in apple based on Raman spectroscopy. Proceedings of SPIE, 2012, , .	0.8	10
27	Real-time Detection of Natural Bruises in Apple Surface using Machine Vision. , 2012, , .		1
28	Classification of Pork Quality Characteristics by Hyperspectral Scattering Technique. , 2012, , .		0
29	A machine vision system for identification of micro-crack in egg shell. Journal of Food Engineering, 2012, 109, 127-134.	2.7	46
30	Prediction of beef quality attributes using VIS/NIR hyperspectral scattering imaging technique. Journal of Food Engineering, 2012, 109, 267-273.	2.7	86
31	Rapid detection of total viable count of chilled pork using hyperspectral scattering technique. Proceedings of SPIE, 2010, , .	0.8	4