Moon S Kim

List of Publications by Year
in descending order

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150 papers	6,012 citations	94433 37 h-index	82547 72 g-index
150 all docs	150 docs citations	150 times ranked	4697 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	Quantitative detection of benzoyl peroxide in wheat flour using line-scan short-wave infrared hyperspectral imaging. Sensors and Actuators B: Chemical, 2022, 352, 130997.	7.8	18
3	Nondestructive Prediction of Isoflavones and Oligosaccharides in Intact Soybean Seed Using Fourier Transform Near-Infrared (FT-NIR) and Fourier Transform Infrared (FT-IR) Spectroscopic Techniques. Foods, 2022, 11, 232.	4.3	12
4	Combining deep learning and fluorescence imaging to automatically identify fecal contamination on meat carcasses. Scientific Reports, 2022, 12, 2392.	3.3	13
5	Estimation of Cold Stress, Plant Age, and Number of Leaves in Watermelon Plants Using Image Analysis. Frontiers in Plant Science, 2022, 13, 847225.	3.6	5
6	Analysis of RGB Plant Images to Identify Root Rot Disease in Korean Ginseng Plants Using Deep Learning. Applied Sciences (Switzerland), 2022, 12, 2489.	2.5	8
7	Multispectral Wavebands Selection for the Detection of Potential Foreign Materials in Fresh-Cut Vegetables. Sensors, 2022, 22, 1775.	3.8	8
8	A packaged food internal Raman signal separation method based on spatially offset Raman spectroscopy combined with FastICA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 275, 121154.	3.9	9
9	Application of Fourier Transform Infrared Spectroscopy and Multivariate Analysis Methods for the Non-Destructive Evaluation of Phenolics Compounds in Moringa Powder. Agriculture (Switzerland), 2022, 12, 10.	3.1	10
10	Comparative Determination of Phenolic Compounds in Arabidopsis thaliana Leaf Powder under Distinct Stress Conditions Using Fourier-Transform Infrared (FT-IR) and Near-Infrared (FT-NIR) Spectroscopy. Plants, 2022, 11, 836.	3.5	10
11	Short-Wave Infrared Hyperspectral Imaging System for Nondestructive Evaluation of Powdered Food. Journal of Biosystems Engineering, 2022, 47, 223-232.	2.5	2
12	Development of Fluorescence Imaging Technique to Detect Fresh-Cut Food Organic Residue on Processing Equipment Surface. Applied Sciences (Switzerland), 2021, 11, 458.	2.5	3
13	Non-Destructive Detection Pilot Study of Vegetable Organic Residues Using VNIR Hyperspectral Imaging and Deep Learning Techniques. Sensors, 2021, 21, 2899.	3.8	12
14	Detection of adulterated sugar with plastic packaging based on spatially offset Raman imaging. Journal of the Science of Food and Agriculture, 2021, 101, 6281-6288.	3.5	5
15	Shortwave infrared hyperspectral imaging system coupled with multivariable method for TVB-N measurement in pork. Food Control, 2021, 124, 107854.	5.5	22
16	Review: Application of Artificial Intelligence in Phenomics. Sensors, 2021, 21, 4363.	3.8	31
17	Nondestructive freshness evaluation of intact prawns (Fenneropenaeus chinensis) using line-scan spatially offset Raman spectroscopy. Food Control, 2021, 126, 108054.	5.5	19
18	High-Throughput Phenotyping Approach for the Evaluation of Heat Stress in Korean Ginseng (Panax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.8	15

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19	Quantitative Evaluation of Food-Waste Components in Organic Fertilizer Using Visibleâ€“Near-Infrared Hyperspectral Imaging. Applied Sciences (Switzerland), 2021, 11, 8201.	2.5	3
20	Handheld Multispectral Fluorescence Imaging System to Detect and Disinfect Surface Contamination. Sensors, 2021, 21, 7222.	3.8	7
21	Raman spectral analysis for non-invasive detection of external and internal parameters of fake eggs. Sensors and Actuators B: Chemical, 2020, 303, 127243.	7.8	21
22	Non-Targeted Detection of Adulterants in Almond Powder Using Spectroscopic Techniques Combined with Chemometrics. Foods, 2020, 9, 876.	4.3	12
23	Classification of Watermelon Seeds Using Morphological Patterns of X-ray Imaging: A Comparison of Conventional Machine Learning and Deep Learning. Sensors, 2020, 20, 6753.	3.8	25
24	Hyperspectral Imaging from a Multipurpose Floating Platform to Estimate Chlorophyll-a Concentrations in Irrigation Pond Water. Remote Sensing, 2020, 12, 2070.	4.0	13
25	Geographical Origin Discrimination of White Rice Based on Image Pixel Size Using Hyperspectral Fluorescence Imaging Analysis. Applied Sciences (Switzerland), 2020, 10, 5794.	2.5	8
26	Raman Spectral Analysis for Quality Determination of Grignard Reagent. Applied Sciences (Switzerland), 2020, 10, 3545.	2.5	3
27	Accounting for the Three-Dimensional Distribution of Escherichia coli Concentrations in Pond Water in Simulations of the Microbial Quality of Water Withdrawn for Irrigation. Water (Switzerland), 2020, 12, 1708.	2.7	4
28	Near-Infrared Transmittance Spectral Imaging for Nondestructive Measurement of Internal Disorder in Korean Ginseng. Sensors, 2020, 20, 273.	3.8	6
29	Determination of the viability of retinispora (Hinoki cypress) seeds using shortwave infrared hyperspectral imaging spectroscopy. Journal of Near Infrared Spectroscopy, 2020, 28, 70-80.	1.5	6
30	Multispectral Fluorescence Imaging Technique for On-Line Inspection of Fecal Residues on Poultry Carcasses. Sensors, 2019, 19, 3483.	3.8	12
31	Improving Sensitivity in Raman Imaging for Thin Layered and Powdered Food Analysis Utilizing a Reflection Mirror. Sensors, 2019, 19, 2698.	3.8	4
32	A novel hyperspectral line-scan imaging method for whole surfaces of round shaped agricultural products. Biosystems Engineering, 2019, 188, 57-66.	4.3	13
33	Optimized Multivariate Analysis for the Discrimination of Cucumber Green Mosaic Mottle Virus-Infected Watermelon Seeds Based on Spectral Imaging. Journal of Biosystems Engineering, 2019, 44, 95-102.	2.5	8
34	Rapid Measurement of Soybean Seed Viability Using Kernel-Based Multispectral Image Analysis. Sensors, 2019, 19, 271.	3.8	46
35	Selection of Optimal Hyperspectral Wavebands for Detection of Discolored, Diseased Rice Seeds. Applied Sciences (Switzerland), 2019, 9, 1027.	2.5	28
36	Classification Method for Viability Screening of Naturally Aged Watermelon Seeds Using FT-NIR Spectroscopy. Sensors, 2019, 19, 1190.	3.8	25

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37	Packaged food detection method based on the generalized Gaussian model for line-scan Raman scattering images. Journal of Food Engineering, 2019, 258, 9-17.	5.2	9
38	Raman hyperspectral imaging and spectral similarity analysis for quantitative detection of multiple adulterants in wheat flour. Biosystems Engineering, 2019, 181, 103-113.	4.3	36
39	Advances in Raman spectroscopy and imaging techniques for quality and safety inspection of horticultural products. Postharvest Biology and Technology, 2019, 149, 101-117.	6.0	45
40	Detection of produce residues on processing equipment surfaces using fluorescence imaging. , 2019, , .		1
41	Selection of optimal bands for developing multispectral system for inspecting apples for defects. , 2019, , .		0
42	Determination of the total volatile basic nitrogen (TVB-N) content in pork meat using hyperspectral fluorescence imaging. Sensors and Actuators B: Chemical, 2018, 259, 532-539.	7.8	73
43	Hyperspectral Determination of Fluorescence Wavebands for Multispectral Imaging Detection of Multiple Animal Fecal Species Contaminations on Romaine Lettuce. Food and Bioprocess Technology, 2018, 11, 774-784.	4.7	11
44	Nonâ€destructive technique for determining the viability of soybean (<scp>Glycine max</scp>) seeds using FTâ€NIR spectroscopy. Journal of the Science of Food and Agriculture, 2018, 98, 1734-1742.	3.5	55
45	Application of Near Infrared Reflectance Spectroscopy for Rapid and Non-Destructive Discrimination of Hulled Barley, Naked Barley, and Wheat Contaminated with Fusarium. Sensors, 2018, 18, 113.	3.8	21
46	Mapping the Pungency of Green Pepper Using Hyperspectral Imaging. Food Analytical Methods, 2018, 11, 3042-3052.	2.6	11
47	Detection of melamine in milk powder using MCT-based short-wave infrared hyperspectral imaging system. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 1027-1037.	2.3	16
48	Through-packaging analysis of butter adulteration using line-scan spatially offset Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2018, 410, 5663-5673.	3.7	34
49	Calibration and testing of a Raman hyperspectral imaging system to reveal powdered food adulteration. PLoS ONE, 2018, 13, e0195253.	2.5	28
50	Nonâ€destructive evaluation of bacteriaâ€infected watermelon seeds using visible/nearâ€infrared hyperspectral imaging. Journal of the Science of Food and Agriculture, 2017, 97, 1084-1092.	3.5	36
51	On-line fresh-cut lettuce quality measurement system using hyperspectral imaging. Biosystems Engineering, 2017, 156, 38-50.	4.3	26
52	Quantitative analysis of Sudan dye adulteration in paprika powder using FTIR spectroscopy. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 1-9.	2.3	22
53	Fluorescence hyperspectral imaging technique for foreign substance detection on freshâ€cut lettuce. Journal of the Science of Food and Agriculture, 2017, 97, 3985-3993.	3.5	14
54	Quantitative Detection of Benzoyl Peroxide in Wheat Flour Using Line-Scan Macroscale Raman Chemical Imaging. Applied Spectroscopy, 2017, 71, 2469-2476.	2.2	23

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55	Discrimination methods for biological contaminants in fresh-cut lettuce based on VNIR and NIR hyperspectral imaging. Infrared Physics and Technology, 2017, 85, 1-12.	2.9	11
56	Raman spectroscopy method for subsurface detection of food powders through plastic layers. , 2017, , .		0
57	Detecting benzoyl peroxide in wheat flour by line-scan macro-scale Raman chemical imaging. , 2017, , .		0
58	Line-scan Raman imaging and spectroscopy platform for surface and subsurface evaluation of food safety and quality. Journal of Food Engineering, 2017, 198, 17-27.	5.2	21
59	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
60	Spatial assessment of soluble solid contents on apple slices using hyperspectral imaging. Biosystems Engineering, 2017, 159, 10-21.	4.3	51
61	Raman imaging from microscopy to macroscopy: Quality and safety control of biological materials. TrAC - Trends in Analytical Chemistry, 2017, 93, 183-198.	11.4	62
62	Subsurface inspection of food safety and quality using line-scan spatially offset Raman spectroscopy technique. Food Control, 2017, 75, 246-254.	5.5	28
63	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
64	A Spatially Offset Raman Spectroscopy Method for Non-Destructive Detection of Gelatin-Encapsulated Powders. Sensors, 2017, 17, 618.	3.8	18
65	Raman Hyperspectral Imaging for Detection of Watermelon Seeds Infected with Acidovorax citrulli. Sensors, 2017, 17, 2188.	3.8	30
66	Classification of Fusarium-Infected Korean Hulled Barley Using Near-Infrared Reflectance Spectroscopy and Partial Least Squares Discriminant Analysis. Sensors, 2017, 17, 2258.	3.8	12
67	Nondestructive Estimation of Moisture Content, pH and Soluble Solid Contents in Intact Tomatoes Using Hyperspectral Imaging. Applied Sciences (Switzerland), 2017, 7, 109.	2.5	50
68	Line-Scan Hyperspectral Imaging Techniques for Food Safety and Quality Applications. Applied Sciences (Switzerland), 2017, 7, 125.	2.5	63
69	Penetration Depth Measurement of Near-Infrared Hyperspectral Imaging Light for Milk Powder. Sensors, 2016, 16, 441.	3.8	25
70	MCT-based SWIR hyperspectral imaging system for evaluation of biological samples. , 2016, , .		0
71	Quantitative analysis of melamine in milk powders using near-infrared hyperspectral imaging and band ratio. Journal of Food Engineering, 2016, 181, 10-19.	5.2	64
72	Chemical compositions, free amino acid contents and antioxidant activities of Hanwoo (Bos taurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.5	31

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73	Hyperspectral fluorescence imaging using violet LEDs as excitation sources for fecal matter contaminate identification on spinach leaves. Journal of Food Measurement and Characterization, 2016, 10, 56-63.	3.2	10
74	Detection of cucumber green mottle mosaic virus-infected watermelon seeds using a near-infrared (NIR) hyperspectral imaging system: Application to seeds of the â€œSambok Honeyâ€•cultivar. Biosystems Engineering, 2016, 148, 138-147.	4.3	39
75	A lineâ€scan hyperspectral Raman system for spatially offset Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 437-443.	2.5	34
76	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
77	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
78	Application of hyperspectral imaging for characterization of intramuscular fat distribution in beef. Infrared Physics and Technology, 2016, 74, 1-10.	2.9	42
79	Chlorophyll-aconcentration estimation using three difference bio-optical algorithms, including a correction for the low-concentration range: the case of the Yiam reservoir, Korea. Remote Sensing Letters, 2016, 7, 407-416.	1.4	14
80	High speed measurement of corn seed viability using hyperspectral imaging. Infrared Physics and Technology, 2016, 75, 173-179.	2.9	95
81	Continuous Temperature-Dependent Raman Spectroscopy of Melamine and Structural Analog Detection in Milk Powder. Applied Spectroscopy, 2015, 69, 398-406.	2.2	17
82	Design and Fabrication of a Real-Time Measurement System for the Capsaicinoid Content of Korean Red Pepper (Capsicum annuum L.) Powder by Visible and Near-Infrared Spectroscopy. Sensors, 2015, 15, 27420-27435.	3.8	19
83	Detection of Lettuce Discoloration Using Hyperspectral Reflectance Imaging. Sensors, 2015, 15, 29511-29534.	3.8	20
84	Screening of adulterants in powdered foods and ingredients using line-scan Raman chemical imaging. Proceedings of SPIE, 2015, , .	0.8	1
85	Raman-spectroscopy-based chemical contaminant detection in milk powder. , 2015, , .		0
86	Multispectral fluorescence imaging for detection of bovine faeces on Romaine lettuce and baby spinach leaves. Biosystems Engineering, 2014, 127, 125-134.	4.3	13
87	Optimal Fluorescence Waveband Determination for Detecting Defective Cherry Tomatoes Using a Fluorescence Excitation-Emission Matrix. Sensors, 2014, 14, 21483-21496.	3.8	12
88	Detection of Cracks on Tomatoes Using a Hyperspectral Near-Infrared Reflectance Imaging System. Sensors, 2014, 14, 18837-18850.	3.8	29
89	Development of a Portable 3CCD Camera System for Multispectral Imaging of Biological Samples. Sensors, 2014, 14, 20262-20273.	3.8	7
90	Non-Destructive Quality Evaluation of Pepper (Capsicum annuum L.) Seeds Using LED-Induced Hyperspectral Reflectance Imaging. Sensors, 2014, 14, 7489-7504.	3.8	37

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91	An average enumeration method of hyperspectral imaging data for quantitative evaluation of medical device surface contamination. Biomedical Optics Express, 2014, 5, 3613.	2.9	4
92	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
93	Hyperspectral near-infrared imaging for the detection of physical damages of pear. Journal of Food Engineering, 2014, 130, 1-7.	5.2	116
94	A comparison of hyperspectral reflectance and fluorescence imaging techniques for detection of contaminants on spinach leaves. Journal of Food Engineering, 2014, 143, 139-145.	5.2	46
95	Development of multispectral imaging algorithm for detection of frass on mature red tomatoes. Postharvest Biology and Technology, 2014, 93, 1-8.	6.0	21
96	Detection of melamine in milk powders based on NIR hyperspectral imaging and spectral similarity analyses. Journal of Food Engineering, 2014, 124, 97-104.	5.2	108
97	A Line-Scan Hyperspectral System for High-Throughput Raman Chemical Imaging. Applied Spectroscopy, 2014, 68, 692-695.	2.2	18
98	Development of a Raman chemical image detection algorithm for authenticating dry milk. Proceedings of SPIE, 2013, , .	0.8	3
99	Simultaneous detection of multiple adulterants in dry milk using macro-scale Raman chemical imaging. Food Chemistry, 2013, 138, 998-1007.	8.2	107
100	Use of a portable hyperspectral imaging system for monitoring the efficacy of sanitation procedures in produce processing plants. Journal of Food Engineering, 2013, 117, 217-226.	5.2	24
101	Hyperspectral and multispectral imaging for evaluating food safety and quality. Journal of Food Engineering, 2013, 118, 157-171.	5.2	287
102	Comparison of Singular Value Decomposition and Principal Component Analysis applied to Hyperspectral Imaging of biofilm. , 2012, , .		2
103	Detection of fresh-cut produce processing residues on food contact surface materials using hyperspectral imaging. Journal of Food Measurement and Characterization, 2012, 6, 48-55.	3.2	10
104	Detection of fecal contamination on leafy greens by hyperspectral imaging. Procedia Food Science, 2011, 1, 953-959.	0.6	18
105	Investigation of Raman chemical imaging for detection of lycopene changes in tomatoes during postharvest ripening. Journal of Food Engineering, 2011, 107, 277-288.	5.2	118
106	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
107	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
108	Fusarium damage assessment in wheat kernels by Vis/NIR hyperspectral imaging. Sensing and Instrumentation for Food Quality and Safety, 2011, 5, 63-71.	1.5	65

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109	Classification of fecal contamination on leafy greens by hyperspectral imaging. Proceedings of SPIE, 2010, , .	0.8	7
110	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
111	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
112	Food process automation. Sensing and Instrumentation for Food Quality and Safety, 2009, 3, 1-2.	1.5	1
113	Using parabolic mirrors for complete imaging of apple surfaces. Bioresource Technology, 2009, 100, 4499-4506.	9.6	31
114	The beneficial endophyte Trichoderma hamatum isolate DIS 219b promotes growth and delays the onset of the drought response in Theobroma cacao. Journal of Experimental Botany, 2009, 60, 3279-3295.	4.8	425
115	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
116	Optical Methods for Food Inspection. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 73-74.	1.5	4
117	The drought response of Theobroma cacao (cacao) and the regulation of genes involved in polyamine biosynthesis by drought and other stresses. Plant Physiology and Biochemistry, 2008, 46, 174-188.	5.8	92
118	Multispectral fluorescence lifetime imaging of feces-contaminated apples by time-resolved laser-induced fluorescence imaging system with tunable excitation wavelengths. Applied Optics, 2008, 47, 1608.	2.1	16
119	LINE-SCAN SPECTRAL IMAGING SYSTEM FOR ONLINE POULTRY CARCASS INSPECTION. , 2008, , .		0
120	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
121	Three-color mixing for classifying agricultural products for safety and quality. Applied Optics, 2006, 45, 3516.	2.1	12
122	Fluorescence Characteristics of Wholesome and Unwholesome Chicken Carcasses. Applied Spectroscopy, 2006, 60, 1210-1216.	2.2	8
123	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
124	Hyperspectral reflectance and fluorescence line-scan imaging system for online detection of fecal contamination on apples. , 2006, , .		1
125	Technique for normalizing intensity histograms of images when the approximate size of the target is known: Detection of feces on apples using fluorescence imaging. Computers and Electronics in Agriculture, 2006, 50, 135-147.	7.7	20
126	Necrosis- and Ethylene-Inducing Peptide from Fusarium oxysporum Induces a Complex Cascade of Transcripts Associated with Signal Transduction and Cell Death in Arabidopsis. Plant Physiology, 2006, 141, 1056-1067.	4.8	146

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127	Automated detection of fecal contamination of apples based on multispectral fluorescence image fusion. Journal of Food Engineering, 2005, 71, 85-91.	5.2	72
128	Detection of Fecal Contamination on Cantaloupes Using Hyperspectral Fluorescence Imagery. Journal of Food Science, 2005, 70, e471.	3.1	78
129	Detection of fecal contamination on apples with nanosecond-scale time-resolved imaging of laser-induced fluorescence. Applied Optics, 2005, 44, 1160.	2.1	25
130	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
131	Safety Inspection of Cantaloupes and Strawberries Using Multispectral Fluorescence Imaging Techniques. , 2004, , .		4
132	Uses of Hyperspectral and Multispectral Laser Induced Fluorescence Imaging Techniques for Food Safety Inspection. Key Engineering Materials, 2004, 270-273, 1055-1063.	0.4	9
133	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
134	Multispectral fluorescence imaging techniques for nondestructive food safety inspection. , 2004, , .		4
135	Analysis of hyperspectral fluorescence images for poultry skin tumor inspection. Applied Optics, 2004, 43, 824.	2.1	73
136	Ns-scale time-resolved laser induced fluorescence imaging for detection of fecal contamination on apples. , 2004, 5587, 190.		2
137	Portable multispectral fluorescence imaging system for food safety applications. , 2004, , .		4
138	Multispectral laser-induced fluorescence imaging system for large biological samples. Applied Optics, 2003, 42, 3927.	2.1	65
139	Optimal Fluorescence Excitation and Emission Bands for Detection of Fecal Contamination. Journal of Food Protection, 2003, 66, 1198-1207.	1.7	66
140	Machine vision technology for agricultural applications. Computers and Electronics in Agriculture, 2002, 36, 173-191.	7.7	331
141	Assessment of Environmental Plant Stresses Using Multispectral Steady-State Fluorescence Imagery. , 2002, , 321-341.		4
142	Steady-state multispectral fluorescence imaging system for plant leaves. Applied Optics, 2001, 40, 157.	2.1	86
143	Evaluating UV-B effects and EDU protection in cucumber leaves using fluorescence images and fluorescence emission spectra. Journal of Plant Physiology, 2001, 158, 41-53.	3.5	12
144	<title>Hyperspectral imaging system for food safety: detection of fecal contamination on apples</title>. , 2001, 4206, 174.		8

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145	<title>Applications of fluorescence sensing systems to the remote assessment of nitrogen supply in field corn (Zea Mays L.)</title>. , 1998, 3382, 80.		2
146	<title>Fluorescence: a diagnostic tool for the detection of stress in plants</title>. , 1997, , .		3
147	Physical properties of leaf level fluorescence. , 1997, , .		1
148	Blue-green Fluorescence and Visible-infrared Reflectance of Corn (Zea mays L.) Grain for in situ Field Detection of Nitrogen Supply. Journal of Plant Physiology, 1996, 148, 509-514.	3.5	6
149	Ratio analysis of reflectance spectra (RARS): An algorithm for the remote estimation of the concentrations of chlorophyll A, chlorophyll B, and carotenoids in soybean leaves. Remote Sensing of Environment, 1992, 39, 239-247.	11.0	687
150	Identification of the pigment responsible for the blue fluorescence band in the laser induced fluorescence (LIF) spectra of green plants, and the potential use of this band in remotely estimating rates of photosynthesis. Remote Sensing of Environment, 1991, 36, 213-218.	11.0	97