

# Moon S Kim

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136  
papers

4,332  
citations

33  
h-index

62  
g-index

150  
ext. papers

5,172  
ext. citations

4.3  
avg, IF

5.51  
L-index

#	Paper	IF	Citations
136	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.. <i>Foods</i> , <b>2022</b> , 11,	4.9	1
135	Investigation of reflectance, fluorescence, and Raman hyperspectral imaging techniques for rapid detection of aflatoxins in ground maize. <i>Food Control</i> , <b>2022</b> , 132, 108479	6.2	1
134	Combining deep learning and fluorescence imaging to automatically identify fecal contamination on meat carcasses.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2392	4.9	0
133	Estimation of Cold Stress, Plant Age, and Number of Leaves in Watermelon Plants Using Image Analysis.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 847225	6.2	0
132	Analysis of RGB Plant Images to Identify Root Rot Disease in Korean Ginseng Plants Using Deep Learning. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2489	2.6	1
131	A packaged food internal Raman signal separation method based on spatially offset Raman spectroscopy combined with FastICA.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 275, 121154	4.4	1
130	Application of Fourier Transform Infrared Spectroscopy and Multivariate Analysis Methods for the Non-Destructive Evaluation of Phenolics Compounds in Moringa Powder. <i>Agriculture (Switzerland)</i> , <b>2022</b> , 12, 10	3	1
129	Handheld Multispectral Fluorescence Imaging System to Detect and Disinfect Surface Contamination. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
128	Quantitative detection of benzoyl peroxide in wheat flour using line-scan short-wave infrared hyperspectral imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 352, 130997	8.5	1
127	Non-Destructive Detection Pilot Study of Vegetable Organic Residues Using VNIR Hyperspectral Imaging and Deep Learning Techniques. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
126	Detection of adulterated sugar with plastic packaging based on spatially offset Raman imaging. <i>Journal of the Science of Food and Agriculture</i> , <b>2021</b> , 101, 6281-6288	4.3	2
125	Shortwave infrared hyperspectral imaging system coupled with multivariable method for TVB-N measurement in pork. <i>Food Control</i> , <b>2021</b> , 124, 107854	6.2	6
124	Review: Application of Artificial Intelligence in Phenomics. <i>Sensors</i> , <b>2021</b> , 21,	3.8	7
123	Development of Fluorescence Imaging Technique to Detect Fresh-Cut Food Organic Residue on Processing Equipment Surface. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 458	2.6	1
122	Nondestructive freshness evaluation of intact prawns ( <i>Fenneropenaeus chinensis</i> ) using line-scan spatially offset Raman spectroscopy. <i>Food Control</i> , <b>2021</b> , 126, 108054	6.2	4
121	High-Throughput Phenotyping Approach for the Evaluation of Heat Stress in Korean Ginseng (Meyer) Using a Hyperspectral Reflectance Image. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
120	Quantitative Evaluation of Food-Waste Components in Organic Fertilizer Using Visible-Near-Infrared Hyperspectral Imaging. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8201	2.6	0

119	Raman Spectral Analysis for Quality Determination of Grignard Reagent. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3545	2.6	1
118	Accounting for the Three-Dimensional Distribution of Escherichia coli Concentrations in Pond Water in Simulations of the Microbial Quality of Water Withdrawn for Irrigation. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1708	3	2
117	Near-Infrared Transmittance Spectral Imaging for Nondestructive Measurement of Internal Disorder in Korean Ginseng. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
116	Determination of the viability of retinispora (Hinoki cypress) seeds using shortwave infrared hyperspectral imaging spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , <b>2020</b> , 28, 70-80	1.5	4
115	Non-Targeted Detection of Adulterants in Almond Powder Using Spectroscopic Techniques Combined with Chemometrics. <i>Foods</i> , <b>2020</b> , 9,	4.9	4
114	Classification of Watermelon Seeds Using Morphological Patterns of X-ray Imaging: A Comparison of Conventional Machine Learning and Deep Learning. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
113	Hyperspectral Imaging from a Multipurpose Floating Platform to Estimate Chlorophyll-a Concentrations in Irrigation Pond Water. <i>Remote Sensing</i> , <b>2020</b> , 12, 2070	5	6
112	Geographical Origin Discrimination of White Rice Based on Image Pixel Size Using Hyperspectral Fluorescence Imaging Analysis. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5794	2.6	2
111	Raman spectral analysis for non-invasive detection of external and internal parameters of fake eggs. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 303, 127243	8.5	13
110	Optimized Multivariate Analysis for the Discrimination of Cucumber Green Mosaic Mottle Virus-Infected Watermelon Seeds Based on Spectral Imaging. <i>Journal of Biosystems Engineering</i> , <b>2019</b> , 44, 95-102	1.1	4
109	Rapid Measurement of Soybean Seed Viability Using Kernel-Based Multispectral Image Analysis. <i>Sensors</i> , <b>2019</b> , 19,	3.8	29
108	Selection of Optimal Hyperspectral Wavebands for Detection of Discolored, Diseased Rice Seeds. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 1027	2.6	17
107	Classification Method for Viability Screening of Naturally Aged Watermelon Seeds Using FT-NIR Spectroscopy. <i>Sensors</i> , <b>2019</b> , 19,	3.8	14
106	Packaged food detection method based on the generalized Gaussian model for line-scan Raman scattering images. <i>Journal of Food Engineering</i> , <b>2019</b> , 258, 9-17	6	7
105	Raman hyperspectral imaging and spectral similarity analysis for quantitative detection of multiple adulterants in wheat flour. <i>Biosystems Engineering</i> , <b>2019</b> , 181, 103-113	4.8	21
104	Multispectral Fluorescence Imaging Technique for On-Line Inspection of Fecal Residues on Poultry Carcasses. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5
103	Improving Sensitivity in Raman Imaging for Thin Layered and Powdered Food Analysis Utilizing a Reflection Mirror. <i>Sensors</i> , <b>2019</b> , 19,	3.8	1
102	A novel hyperspectral line-scan imaging method for whole surfaces of round shaped agricultural products. <i>Biosystems Engineering</i> , <b>2019</b> , 188, 57-66	4.8	3

101	Detection of produce residues on processing equipment surfaces using fluorescence imaging <b>2019</b> ,		1
100	Advances in Raman spectroscopy and imaging techniques for quality and safety inspection of horticultural products. <i>Postharvest Biology and Technology</i> , <b>2019</b> , 149, 101-117	6.2	31
99	Determination of the total volatile basic nitrogen (TVB-N) content in pork meat using hyperspectral fluorescence imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 532-539	8.5	47
98	Hyperspectral Determination of Fluorescence Wavebands for Multispectral Imaging Detection of Multiple Animal Fecal Species Contaminations on Romaine Lettuce. <i>Food and Bioprocess Technology</i> , <b>2018</b> , 11, 774-784	5.1	8
97	Non-destructive technique for determining the viability of soybean ( <i>Glycine max</i> ) seeds using FT-NIR spectroscopy. <i>Journal of the Science of Food and Agriculture</i> , <b>2018</b> , 98, 1734-1742	4.3	34
96	Calibration and testing of a Raman hyperspectral imaging system to reveal powdered food adulteration. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195253	3.7	20
95	Application of Near Infrared Reflectance Spectroscopy for Rapid and Non-Destructive Discrimination of Hulled Barley, Naked Barley, and Wheat Contaminated with <i>Fusarium</i> . <i>Sensors</i> , <b>2018</b> , 18,	3.8	18
94	Mapping the Pungency of Green Pepper Using Hyperspectral Imaging. <i>Food Analytical Methods</i> , <b>2018</b> , 11, 3042-3052	3.4	6
93	Detection of melamine in milk powder using MCT-based short-wave infrared hyperspectral imaging system. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2018</b> , 35, 1027-1037	3.2	9
92	Through-packaging analysis of butter adulteration using line-scan spatially offset Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 5663-5673	4.4	20
91	Non-destructive evaluation of bacteria-infected watermelon seeds using visible/near-infrared hyperspectral imaging. <i>Journal of the Science of Food and Agriculture</i> , <b>2017</b> , 97, 1084-1092	4.3	23
90	On-line fresh-cut lettuce quality measurement system using hyperspectral imaging. <i>Biosystems Engineering</i> , <b>2017</b> , 156, 38-50	4.8	18
89	Quantitative analysis of Sudan dye adulteration in paprika powder using FTIR spectroscopy. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2017</b> , 34, 678-686	3.2	15
88	Fluorescence hyperspectral imaging technique for foreign substance detection on fresh-cut lettuce. <i>Journal of the Science of Food and Agriculture</i> , <b>2017</b> , 97, 3985-3993	4.3	9
87	Quantitative Detection of Benzoyl Peroxide in Wheat Flour Using Line-Scan Macroscale Raman Chemical Imaging. <i>Applied Spectroscopy</i> , <b>2017</b> , 71, 2469-2476	3.1	16
86	Discrimination methods for biological contaminants in fresh-cut lettuce based on VNIR and NIR hyperspectral imaging. <i>Infrared Physics and Technology</i> , <b>2017</b> , 85, 1-12	2.7	6
85	Line-scan Raman imaging and spectroscopy platform for surface and subsurface evaluation of food safety and quality. <i>Journal of Food Engineering</i> , <b>2017</b> , 198, 17-27	6	14
84	Effects of the Adulteration Technique on the Near-Infrared Detection of Melamine in Milk Powder. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 5799-5809	5.7	27

83	Spatial assessment of soluble solid contents on apple slices using hyperspectral imaging. <i>Biosystems Engineering</i> , <b>2017</b> , 159, 10-21	4.8	28
82	Raman imaging from microscopy to macroscopy: Quality and safety control of biological materials. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 93, 183-198	14.6	47
81	Subsurface inspection of food safety and quality using line-scan spatially offset Raman spectroscopy technique. <i>Food Control</i> , <b>2017</b> , 75, 246-254	6.2	17
80	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> , <b>2017</b> , 34, 152-161	3.2	21
79	A Spatially Offset Raman Spectroscopy Method for Non-Destructive Detection of Gelatin-Encapsulated Powders. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
78	Raman Hyperspectral Imaging for Detection of Watermelon Seeds Infected with <i>Acidovorax citrulli</i> . <i>Sensors</i> , <b>2017</b> , 17,	3.8	19
77	Classification of Fusarium-Infected Korean Hulled Barley Using Near-Infrared Reflectance Spectroscopy and Partial Least Squares Discriminant Analysis. <i>Sensors</i> , <b>2017</b> , 17,	3.8	7
76	Nondestructive Estimation of Moisture Content, pH and Soluble Solid Contents in Intact Tomatoes Using Hyperspectral Imaging. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 109	2.6	23
75	Line-Scan Hyperspectral Imaging Techniques for Food Safety and Quality Applications. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 125	2.6	35
74	Hyperspectral fluorescence imaging using violet LEDs as excitation sources for fecal matter contaminate identification on spinach leaves. <i>Journal of Food Measurement and Characterization</i> , <b>2016</b> , 10, 56-63	2.8	9
73	Detection of cucumber green mottle mosaic virus-infected watermelon seeds using a near-infrared (NIR) hyperspectral imaging system: Application to seeds of the Bamboke Honey cultivar. <i>Biosystems Engineering</i> , <b>2016</b> , 148, 138-147	4.8	30
72	A line-scan hyperspectral Raman system for spatially offset Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 437-443	2.3	26
71	Detection of melamine in milk powders using near-infrared hyperspectral imaging combined with regression coefficient of partial least square regression model. <i>Talanta</i> , <b>2016</b> , 151, 183-191	6.2	74
70	Line-Scan Macro-scale Raman Chemical Imaging for Authentication of Powdered Foods and Ingredients. <i>Food and Bioprocess Technology</i> , <b>2016</b> , 9, 113-123	5.1	33
69	Application of hyperspectral imaging for characterization of intramuscular fat distribution in beef. <i>Infrared Physics and Technology</i> , <b>2016</b> , 74, 1-10	2.7	36
68	Chlorophyll-a concentration estimation using three difference bio-optical algorithms, including a correction for the low-concentration range: the case of the Yiam reservoir, Korea. <i>Remote Sensing Letters</i> , <b>2016</b> , 7, 407-416	2.3	11
67	High speed measurement of corn seed viability using hyperspectral imaging. <i>Infrared Physics and Technology</i> , <b>2016</b> , 75, 173-179	2.7	58
66	Penetration Depth Measurement of Near-Infrared Hyperspectral Imaging Light for Milk Powder. <i>Sensors</i> , <b>2016</b> , 16, 441	3.8	14

65	Quantitative analysis of melamine in milk powders using near-infrared hyperspectral imaging and band ratio. <i>Journal of Food Engineering</i> , <b>2016</b> , 181, 10-19	6	56
64	Chemical compositions, free amino acid contents and antioxidant activities of Hanwoo ( <i>Bos taurus coreanae</i> ) beef by cut. <i>Meat Science</i> , <b>2016</b> , 119, 16-21	6.4	15
63	Continuous temperature-dependent Raman spectroscopy of melamine and structural analog detection in milk powder. <i>Applied Spectroscopy</i> , <b>2015</b> , 69, 398-406	3.1	14
62	Design and Fabrication of a Real-Time Measurement System for the Capsaicinoid Content of Korean Red Pepper ( <i>Capsicum annuum</i> L.) Powder by Visible and Near-Infrared Spectroscopy. <i>Sensors</i> , <b>2015</b> , 15, 27420-35	3.8	14
61	Detection of Lettuce Discoloration Using Hyperspectral Reflectance Imaging. <i>Sensors</i> , <b>2015</b> , 15, 29511-348	3.8	14
60	Development of a Raman chemical imaging detection method for authenticating skim milk powder. <i>Journal of Food Measurement and Characterization</i> , <b>2014</b> , 8, 122-131	2.8	22
59	Hyperspectral near-infrared imaging for the detection of physical damages of pear. <i>Journal of Food Engineering</i> , <b>2014</b> , 130, 1-7	6	83
58	A comparison of hyperspectral reflectance and fluorescence imaging techniques for detection of contaminants on spinach leaves. <i>Journal of Food Engineering</i> , <b>2014</b> , 143, 139-145	6	35
57	Development of multispectral imaging algorithm for detection of frass on mature red tomatoes. <i>Postharvest Biology and Technology</i> , <b>2014</b> , 93, 1-8	6.2	17
56	Detection of melamine in milk powders based on NIR hyperspectral imaging and spectral similarity analyses. <i>Journal of Food Engineering</i> , <b>2014</b> , 124, 97-104	6	95
55	A line-scan hyperspectral system for high-throughput Raman chemical imaging. <i>Applied Spectroscopy</i> , <b>2014</b> , 68, 692-5	3.1	17
54	Multispectral fluorescence imaging for detection of bovine faeces on Romaine lettuce and baby spinach leaves. <i>Biosystems Engineering</i> , <b>2014</b> , 127, 125-134	4.8	12
53	Optimal fluorescence waveband determination for detecting defective cherry tomatoes using a fluorescence excitation-emission matrix. <i>Sensors</i> , <b>2014</b> , 14, 21483-96	3.8	10
52	Detection of cracks on tomatoes using a hyperspectral near-infrared reflectance imaging system. <i>Sensors</i> , <b>2014</b> , 14, 18837-50	3.8	24
51	Development of a portable 3CCD camera system for multispectral imaging of biological samples. <i>Sensors</i> , <b>2014</b> , 14, 20262-73	3.8	5
50	Non-destructive quality evaluation of pepper ( <i>Capsicum annuum</i> L.) seeds using LED-induced hyperspectral reflectance imaging. <i>Sensors</i> , <b>2014</b> , 14, 7489-504	3.8	25
49	An average enumeration method of hyperspectral imaging data for quantitative evaluation of medical device surface contamination. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 3613-27	3.5	4
48	Development of a Raman chemical image detection algorithm for authenticating dry milk <b>2013</b> ,		1

47	Simultaneous detection of multiple adulterants in dry milk using macro-scale Raman chemical imaging. <i>Food Chemistry</i> , <b>2013</b> , 138, 998-1007	8.5	93
46	Use of a portable hyperspectral imaging system for monitoring the efficacy of sanitation procedures in produce processing plants. <i>Journal of Food Engineering</i> , <b>2013</b> , 117, 217-226	6	20
45	Hyperspectral and multispectral imaging for evaluating food safety and quality. <i>Journal of Food Engineering</i> , <b>2013</b> , 118, 157-171	6	187
44	Comparison of Singular Value Decomposition and Principal Component Analysis applied to Hyperspectral Imaging of biofilm <b>2012</b> ,		1
43	Detection of fresh-cut produce processing residues on food contact surface materials using hyperspectral imaging. <i>Journal of Food Measurement and Characterization</i> , <b>2012</b> , 6, 48-55	2.8	8
42	Investigation of Raman chemical imaging for detection of lycopene changes in tomatoes during postharvest ripening. <i>Journal of Food Engineering</i> , <b>2011</b> , 107, 277-288	6	97
41	Visible to SWIR hyperspectral imaging for produce safety and quality evaluation. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2011</b> , 5, 155-164		15
40	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> , <b>2011</b> , 5, 10-18		14
39	Fusarium damage assessment in wheat kernels by Vis/NIR hyperspectral imaging. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2011</b> , 5, 63-71		47
38	Detection of fecal contamination on leafy greens by hyperspectral imaging. <i>Procedia Food Science</i> , <b>2011</b> , 1, 953-959		18
37	Classification of fecal contamination on leafy greens by hyperspectral imaging <b>2010</b> ,		6
36	Machine vision system for online inspection of freshly slaughtered chickens. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2009</b> , 3, 70-80		26
35	Assessment of bacterial biofilm on stainless steel by hyperspectral fluorescence imaging. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2009</b> , 3, 41-48		36
34	Using parabolic mirrors for complete imaging of apple surfaces. <i>Bioresource Technology</i> , <b>2009</b> , 100, 4499-506		19
33	The beneficial endophyte <i>Trichoderma hamatum</i> isolate DIS 219b promotes growth and delays the onset of the drought response in <i>Theobroma cacao</i> . <i>Journal of Experimental Botany</i> , <b>2009</b> , 60, 3279-95	7	332
32	Multispectral fluorescence lifetime imaging of feces-contaminated apples by time-resolved laser-induced fluorescence imaging system with tunable excitation wavelengths. <i>Applied Optics</i> , <b>2008</b> , 47, 1608-16	1.7	12
31	Citrus canker detection using hyperspectral reflectance imaging and PCA-based image classification method. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2008</b> , 2, 168-177		70
30	The drought response of <i>Theobroma cacao</i> (cacao) and the regulation of genes involved in polyamine biosynthesis by drought and other stresses. <i>Plant Physiology and Biochemistry</i> , <b>2008</b> , 46, 174-88 <sup>†</sup>		77

29	Development of simple algorithms for the detection of fecal contaminants on apples from visible/near infrared hyperspectral reflectance imaging. <i>Journal of Food Engineering</i> , <b>2007</b> , 81, 412-418	6	85
28	Technique for normalizing intensity histograms of images when the approximate size of the target is known: Detection of feces on apples using fluorescence imaging. <i>Computers and Electronics in Agriculture</i> , <b>2006</b> , 50, 135-147	6.5	17
27	Necrosis- and ethylene-inducing peptide from <i>Fusarium oxysporum</i> induces a complex cascade of transcripts associated with signal transduction and cell death in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2006</b> , 141, 1056-67	6.6	102
26	Three-color mixing for classifying agricultural products for safety and quality. <i>Applied Optics</i> , <b>2006</b> , 45, 3516-26	1.7	5
25	Fluorescence characteristics of wholesome and unwholesome chicken carcasses. <i>Applied Spectroscopy</i> , <b>2006</b> , 60, 1210-6	3.1	7
24	Comparison of Visible and near Infrared Reflectance Spectroscopy for the Detection of Faeces/Ingesta Contaminants for Sanitation Verification at Slaughter Plants. <i>Journal of Near Infrared Spectroscopy</i> , <b>2006</b> , 14, 325-331	1.5	2
23	Detection of fecal contamination on apples with nanosecond-scale time-resolved imaging of laser-induced fluorescence. <i>Applied Optics</i> , <b>2005</b> , 44, 1160-70	1.7	16
22	Development of a simple algorithm for the detection of chilling injury in cucumbers from visible/near-infrared hyperspectral imaging. <i>Applied Spectroscopy</i> , <b>2005</b> , 59, 78-85	3.1	49
21	Automated detection of fecal contamination of apples based on multispectral fluorescence image fusion. <i>Journal of Food Engineering</i> , <b>2005</b> , 71, 85-91	6	59
20	Detection of Fecal Contamination on Cantaloupes Using Hyperspectral Fluorescence Imagery. <i>Journal of Food Science</i> , <b>2005</b> , 70, e471-e476	3.4	68
19	Uses of Hyperspectral and Multispectral Laser Induced Fluorescence Imaging Techniques for Food Safety Inspection. <i>Key Engineering Materials</i> , <b>2004</b> , 270-273, 1055-1063	0.4	7
18	Development of hyperspectral imaging technique for the detection of apple surface defects and contaminations. <i>Journal of Food Engineering</i> , <b>2004</b> , 61, 67-81	6	250
17	Multispectral fluorescence imaging techniques for nondestructive food safety inspection <b>2004</b> ,		2
16	Analysis of hyperspectral fluorescence images for poultry skin tumor inspection. <i>Applied Optics</i> , <b>2004</b> , 43, 824-33	1.7	57
15	Ns-scale time-resolved laser induced fluorescence imaging for detection of fecal contamination on apples <b>2004</b> , 5587, 190		2
14	Portable multispectral fluorescence imaging system for food safety applications <b>2004</b> ,		3
13	Optimal fluorescence excitation and emission bands for detection of fecal contamination. <i>Journal of Food Protection</i> , <b>2003</b> , 66, 1198-207	2.5	51
12	Multispectral laser-induced fluorescence imaging system for large biological samples. <i>Applied Optics</i> , <b>2003</b> , 42, 3927-34	1.7	48



11	Machine vision technology for agricultural applications. <i>Computers and Electronics in Agriculture</i> , <b>2002</b> , 36, 173-191	6.5	236
10	Assessment of Environmental Plant Stresses Using Multispectral Steady-State Fluorescence Imagery <b>2002</b> , 321-341		3
9	Hyperspectral imaging system for food safety: detection of fecal contamination on apples <b>2001</b> , 4206, 174		5
8	Steady-state multispectral fluorescence imaging system for plant leaves. <i>Applied Optics</i> , <b>2001</b> , 40, 157-66.7		70
7	Evaluating UV-B effects and EDU protection in cucumber leaves using fluorescence images and fluorescence emission spectra. <i>Journal of Plant Physiology</i> , <b>2001</b> , 158, 41-53	3.6	11
6	Applications of fluorescence sensing systems to the remote assessment of nitrogen supply in field corn ( <i>Zea Mays</i> L.) <b>1998</b> , 3382, 80		1
5	Fluorescence: a diagnostic tool for the detection of stress in plants <b>1997</b> ,		2
4	Physical properties of leaf level fluorescence <b>1997</b> ,		1
3	Blue-green Fluorescence and Visible-infrared Reflectance of Corn ( <i>Zea mays</i> L.) Grain for in situ Field Detection of Nitrogen Supply. <i>Journal of Plant Physiology</i> , <b>1996</b> , 148, 509-514	3.6	6
2	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. <i>Remote Sensing of Environment</i> , <b>1992</b> , 39, 239-247	13.2	544
1	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. <i>Remote Sensing of Environment</i> , <b>1991</b> , 36, 213-218	13.2	82