Renfu Lu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4583270/publications.pdf

Version: 2024-02-01

140 papers 6,448 citations

57758 44 h-index 71685 **76** g-index

142 all docs

 $\begin{array}{c} 142 \\ \\ \text{docs citations} \end{array}$

142 times ranked

3164 citing authors

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Measurement of the optical properties of fruits and vegetables using spatially resolved hyperspectral diffuse reflectance imaging technique. Postharvest Biology and Technology, 2008, 49, 355-365. | 6.0 | 313 |
| 2 | Hyperspectral and multispectral imaging for evaluating food safety and quality. Journal of Food Engineering, 2013, 118, 157-171. | 5.2 | 287 |
| 3 | Multispectral imaging for predicting firmness and soluble solids content of apple fruit. Postharvest Biology and Technology, 2004, 31, 147-157. | 6.0 | 252 |
| 4 | Hyperspectral Scattering for assessing Peach Fruit Firmness. Biosystems Engineering, 2006, 93, 161-171. | 4.3 | 245 |
| 5 | Analysis of spatially resolved hyperspectral scattering images for assessing apple fruit firmness and soluble solids content. Postharvest Biology and Technology, 2008, 48, 52-62. | 6.0 | 220 |
| 6 | Near-infrared hyperspectral reflectance imaging for detection of bruises on pickling cucumbers. Computers and Electronics in Agriculture, 2006, 53, 60-70. | 7.7 | 201 |
| 7 | Prediction of firmness and soluble solids content of blueberries using hyperspectral reflectance imaging. Journal of Food Engineering, 2013, 115, 91-98. | 5.2 | 197 |
| 8 | Sensors for product characterization and quality of specialty crops—A review. Computers and Electronics in Agriculture, 2010, 74, 176-194. | 7.7 | 182 |
| 9 | An image segmentation method for apple sorting and grading using support vector machine and Otsu's method. Computers and Electronics in Agriculture, 2013, 94, 29-37. | 7.7 | 154 |
| 10 | DETERMINATION OF FIRMNESS AND SUGAR CONTENT OF APPLES USING NEAR-INFRARED DIFFUSE REFLECTANCE. Journal of Texture Studies, 2000, 31, 615-630. | 2.5 | 145 |
| 11 | Nondestructive detection of chilling injury in cucumber fruit using hyperspectral imaging with feature selection and supervised classification. Postharvest Biology and Technology, 2016, 111, 352-361. | 6.0 | 138 |
| 12 | Measurement of the Absorption and Scattering Properties of Turbid Liquid Foods Using Hyperspectral Imaging. Applied Spectroscopy, 2007, 61, 388-396. | 2.2 | 136 |
| 13 | Measurement of optical properties of fruits and vegetables: A review. Postharvest Biology and Technology, 2020, 159, 111003. | 6.0 | 130 |
| 14 | Relationship of the optical absorption and scattering properties with mechanical and structural properties of apple tissue. Postharvest Biology and Technology, 2013, 85, 30-38. | 6.0 | 127 |
| 15 | Hyperspectral laser-induced fluorescence imaging for assessing apple fruit quality. Postharvest Biology and Technology, 2007, 43, 193-201. | 6.0 | 124 |
| 16 | Hyperspectral imaging technology for quality and safety evaluation of horticultural products: A review and celebration of the past 20-year progress. Postharvest Biology and Technology, 2020, 170, 111318. | 6.0 | 123 |
| 17 | Prediction of apple fruit firmness and soluble solids content using characteristics of multispectral scattering images. Journal of Food Engineering, 2007, 82, 142-152. | 5.2 | 119 |
| 18 | Evaluation of internal defect and surface color of whole pickles using hyperspectral imaging. Journal of Food Engineering, 2010, 96, 583-590. | 5.2 | 105 |

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|----|---|-----|-----------|
| 19 | <title>Hyperspectral imaging for safety inspection of food and agricultural products</title> ., 1999, 3544, 121. | | 100 |
| 20 | Comparison and fusion of four nondestructive sensors for predicting apple fruit firmness and soluble solids content. Postharvest Biology and Technology, 2012, 73, 89-98. | 6.0 | 99 |
| 21 | Monte Carlo simulation for quantification of light transport features in apples. Computers and Electronics in Agriculture, 2009, 68, 44-51. | 7.7 | 80 |
| 22 | Apple mealiness detection using hyperspectral scattering technique. Postharvest Biology and Technology, 2010, 58, 168-175. | 6.0 | 78 |
| 23 | Grading of apples based on firmness and soluble solids content using Vis/SWNIR spectroscopy and spectral scattering techniques. Journal of Food Engineering, 2014, 125, 59-68. | 5.2 | 77 |
| 24 | Ripeness evaluation of †Sun Bright†tomato using optical absorption and scattering properties. Postharvest Biology and Technology, 2015, 103, 27-34. | 6.0 | 76 |
| 25 | Improving apple fruit firmness predictions by effective correction of multispectral scattering images. Postharvest Biology and Technology, 2006, 41, 266-274. | 6.0 | 75 |
| 26 | Optical scattering in beef steak to predict tenderness using hyperspectral imaging in the VIS-NIR region. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 189-196. | 1.5 | 75 |
| 27 | Optimization of the hyperspectral imaging-based spatially-resolved system for measuring the optical properties of biological materials. Optics Express, 2010, 18, 17412. | 3.4 | 75 |
| 28 | Evaluation of Sugar Content of Potatoes using Hyperspectral Imaging. Food and Bioprocess Technology, 2015, 8, 995-1010. | 4.7 | 73 |
| 29 | Innovative Hyperspectral Imaging-Based Techniques for Quality Evaluation of Fruits and Vegetables: A Review. Applied Sciences (Switzerland), 2017, 7, 189. | 2.5 | 73 |
| 30 | Nondestructive measurement of firmness and soluble solids content for apple fruit using hyperspectral scattering images. Sensing and Instrumentation for Food Quality and Safety, 2007, 1, 19-27. | 1.5 | 69 |
| 31 | Measurement of moisture, soluble solids, sucrose content and mechanical properties in sugar beet using portable visible and near-infrared spectroscopy. Postharvest Biology and Technology, 2015, 102, 42-50. | 6.0 | 68 |
| 32 | Deep learning-based apple detection using a suppression mask R-CNN. Pattern Recognition Letters, 2021, 147, 206-211. | 4.2 | 68 |
| 33 | Hyperspectral waveband selection for internal defect detection of pickling cucumbers and whole pickles. Computers and Electronics in Agriculture, 2010, 74, 137-144. | 7.7 | 67 |
| 34 | Assessment of tomato soluble solids content and pH by spatially-resolved and conventional Vis/NIR spectroscopy. Journal of Food Engineering, 2018, 236, 19-28. | 5.2 | 67 |
| 35 | Structured-illumination reflectance imaging (SIRI) for enhanced detection of fresh bruises in apples. Postharvest Biology and Technology, 2016, 117, 89-93. | 6.0 | 65 |
| 36 | Assessment of internal quality of blueberries using hyperspectral transmittance and reflectance images with whole spectra or selected wavelengths. Innovative Food Science and Emerging Technologies, 2014, 24, 2-13. | 5.6 | 61 |

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|----|--|-----|-----------|
| 37 | Non-Destructive Defect Detection of Apples by Spectroscopic and Imaging Technologies: A Review. Transactions of the ASABE, 2017, 60, 1765-1790. | 1.1 | 60 |
| 38 | Detection of internal defect of apples by a multichannel Vis/NIR spectroscopic system. Postharvest Biology and Technology, 2020, 161, 111065. | 6.0 | 60 |
| 39 | Detection of early decay in peaches by structured-illumination reflectance imaging. Postharvest Biology and Technology, 2019, 151, 68-78. | 6.0 | 57 |
| 40 | Determination of sucrose content in sugar beet by portable visible and near-infrared spectroscopy. Food Chemistry, 2015, 167, 264-271. | 8.2 | 56 |
| 41 | Predicting bruise susceptibility of â€~Golden Delicious' apples using hyperspectral scattering technique. Postharvest Biology and Technology, 2016, 114, 86-94. | 6.0 | 55 |
| 42 | ABSORPTION of WATER IN LONG-GRAIN RICE ROUGH DURING SOAKING. Journal of Food Process Engineering, 1994, 17, 141-154. | 2.9 | 52 |
| 43 | Detection of fruit fly infestation in pickling cucumbers using a hyperspectral reflectance/transmittance imaging system. Postharvest Biology and Technology, 2013, 81, 44-50. | 6.0 | 50 |
| 44 | Visible and near-infrared spectroscopy for nondestructive quality assessment of pickling cucumbers. Postharvest Biology and Technology, 2007, 44, 165-174. | 6.0 | 49 |
| 45 | Histogram-based automatic thresholding for bruise detection of apples by structured-illumination reflectance imaging. Biosystems Engineering, 2017, 160, 30-41. | 4.3 | 49 |
| 46 | Hyperspectral Imaging-Based Classification and Wavebands Selection for Internal Defect Detection of Pickling Cucumbers. Food and Bioprocess Technology, 2014, 7, 1689-1700. | 4.7 | 48 |
| 47 | Quality assessment of tomato fruit by optical absorption and scattering properties. Postharvest Biology and Technology, 2018, 143, 78-85. | 6.0 | 48 |
| 48 | Quality evaluation of pickling cucumbers using hyperspectral reflectance and transmittance imaging: Part I. Development of a prototype. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 144-151. | 1.5 | 44 |
| 49 | Quality evaluation of pickling cucumbers using hyperspectral reflectance and transmittance imagingâ€"Part II. Performance of a prototype. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 152-160. | 1.5 | 43 |
| 50 | Prediction of olive quality using FT-NIR spectroscopy in reflectance and transmittance modes. Biosystems Engineering, 2009, 103, 304-312. | 4.3 | 42 |
| 51 | Analysis of hyperspectral scattering images using locally linear embedding algorithm for apple mealiness classification. Computers and Electronics in Agriculture, 2012, 89, 175-181. | 7.7 | 41 |
| 52 | Quantification of the optical properties of two-layer turbid materials using a hyperspectral imaging-based spatially-resolved technique. Applied Optics, 2009, 48, 5612. | 2.1 | 40 |
| 53 | System design and control of an apple harvesting robot. Mechatronics, 2021, 79, 102644. | 3.3 | 40 |
| 54 | Fast demodulation of pattern images by spiral phase transform in structured-illumination reflectance imaging for detection of bruises in apples. Computers and Electronics in Agriculture, 2016, 127, 652-658. | 7.7 | 38 |

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| 55 | Integrated spectral and image analysis of hyperspectral scattering data for prediction of apple fruit firmness and soluble solids content. Postharvest Biology and Technology, 2011, , . | 6.0 | 37 |
| 56 | Development of a Multispectral Structured Illumination Reflectance Imaging (SIRI) System and Its Application to Bruise Detection of Apples. Transactions of the ASABE, 2017, 60, 1379-1389. | 1.1 | 37 |
| 57 | Development of a multispectral imaging prototype for real-time detection of apple fruit firmness. Optical Engineering, 2007, 46, 123201. | 1.0 | 33 |
| 58 | Gloss Evaluation of Curved-surface Fruits and Vegetables. Food and Bioprocess Technology, 2009, 2, 300-307. | 4.7 | 33 |
| 59 | Deep Feature Representation with Stacked Sparse Auto-Encoder and Convolutional Neural Network for Hyperspectral Imaging-Based Detection of Cucumber Defects. Transactions of the ASABE, 2018, 61, 425-436. | 1.1 | 33 |
| 60 | Development and evaluation of an apple infield grading and sorting system. Postharvest Biology and Technology, 2021, 180, 111588. | 6.0 | 33 |
| 61 | Optimization of inverse algorithm for estimating the optical properties of biological materials using spatially-resolved diffuse reflectance. Inverse Problems in Science and Engineering, 2010, 18, 853-872. | 1.2 | 31 |
| 62 | Hyperspectral diffuse reflectance imaging for rapid, noncontact measurement of the optical properties of turbid materials. Applied Optics, 2006, 45, 8366. | 2.1 | 29 |
| 63 | Prediction of canned black bean texture (<scp><i>Phaseolus vulgaris</i></scp> L.) from intact dry seeds using visible/near infrared spectroscopy and hyperspectral imaging data. Journal of the Science of Food and Agriculture, 2018, 98, 283-290. | 3.5 | 29 |
| 64 | Structured-illumination reflectance imaging for the detection of defects in fruit: Analysis of resolution, contrast and depth-resolving features. Biosystems Engineering, 2019, 180, 1-15. | 4.3 | 28 |
| 65 | Fast Bi-dimensional empirical mode decomposition as an image enhancement technique for fruit defect detection. Computers and Electronics in Agriculture, 2018, 152, 314-323. | 7.7 | 27 |
| 66 | Evaluation of Canning Quality Traits in Black Beans (Phaseolus vulgaris L.) by Visible/Near-Infrared Spectroscopy. Food and Bioprocess Technology, 2014, 7, 2666-2678. | 4.7 | 26 |
| 67 | Development of a multichannel hyperspectral imaging probe for property and quality assessment of horticultural products. Postharvest Biology and Technology, 2017, 133, 88-97. | 6.0 | 26 |
| 68 | Structured-illumination reflectance imaging coupled with phase analysis techniques for surface profiling of apples. Journal of Food Engineering, 2018, 232, 11-20. | 5,2 | 26 |
| 69 | Panicle emergence of tiller types and grain yield of tiller order for direct-seeded rice cultivars. Field Crops Research, 1996, 47, 235-242. | 5.1 | 23 |
| 70 | Spatial-frequency domain imaging coupled with frequency optimization for estimating optical properties of two-layered food and agricultural products. Journal of Food Engineering, 2020, 277, 109909. | 5.2 | 23 |
| 71 | Assessment of the optical properties of peaches with fungal infection using spatially-resolved diffuse reflectance technique and their relationships with tissue structural and biochemical properties. Food Chemistry, 2020, 321, 126704. | 8.2 | 23 |
| 72 | Predict Compositions and Mechanical Properties of Sugar Beet Using Hyperspectral Scattering. Food and Bioprocess Technology, 2016, 9, 1177-1186. | 4.7 | 22 |

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| 73 | Using composite sinusoidal patterns in structured-illumination reflectance imaging (SIRI) for enhanced detection of apple bruise. Journal of Food Engineering, 2017, 199, 54-64. | 5.2 | 21 |
| 74 | Structured Illumination Reflectance Imaging for Enhanced Detection of Subsurface Tissue Bruising in Apples. Transactions of the ASABE, 2018, 61, 809-819. | 1.1 | 21 |
| 75 | PREDICTION OF APPLE FRUIT FIRMNESS BY NEAR-INFRARED MULTISPECTRAL SCATTERING. Journal of Texture Studies, 2004, 35, 263-276. | 2.5 | 20 |
| 76 | Optical absorption and scattering properties of normal and defective pickling cucumbers for 700–1000Ånm. Sensing and Instrumentation for Food Quality and Safety, 2011, 5, 51-56. | 1.5 | 20 |
| 77 | Gram–Schmidt orthonormalization for retrieval of amplitude images under sinusoidal patterns of illumination. Applied Optics, 2016, 55, 6866. | 2.1 | 20 |
| 78 | Prediction of tomato firmness using spatially-resolved spectroscopy. Postharvest Biology and Technology, 2018, 140, 18-26. | 6.0 | 20 |
| 79 | Enhancing chlorophyll fluorescence imaging under structured illumination with automatic vignetting correction for detection of chilling injury in cucumbers. Computers and Electronics in Agriculture, 2020, 168, 105145. | 7.7 | 20 |
| 80 | Detection of subsurface bruising in fresh pickling cucumbers using structured-illumination reflectance imaging. Postharvest Biology and Technology, 2021, 180, 111624. | 6.0 | 20 |
| 81 | A two-step parameter optimization algorithm for improving estimation of optical properties using spatial frequency domain imaging. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 207, 32-40. | 2.3 | 19 |
| 82 | Characterization of nonlinear creep behavior of two food products. Journal of Rheology, 1991, 35, 1209-1233. | 2.6 | 18 |
| 83 | A Review of Bin Filling Technologies for Apple Harvest and Postharvest Handling. Applied Engineering in Agriculture, 2018, 34, 687-703. | 0.7 | 18 |
| 84 | Improved algorithm for estimating the optical properties of food products using spatially-resolved diffuse reflectance. Journal of Food Engineering, 2017, 212, 1-11. | 5.2 | 17 |
| 85 | Design Features and Bruise Evaluation of an Apple Harvest and In-Field Presorting Machine. Transactions of the ASABE, 2018, 61, 1135-1144. | 1.1 | 17 |
| 86 | Effects of optical variables in a single integrating sphere system on estimation of scattering properties of turbid media. Biosystems Engineering, 2020, 194, 82-98. | 4.3 | 17 |
| 87 | Finite element modeling of light propagation in turbid media under illumination of a continuous-wave beam. Applied Optics, 2016, 55, 95. | 2.1 | 16 |
| 88 | Basics of Image Analysis. Food Engineering Series, 2015, , 9-56. | 0.7 | 14 |
| 89 | Visible/shortwave near infrared spectroscopy and hyperspectral scattering for determining bulk density and particle size of wheat flour. Journal of Near Infrared Spectroscopy, 2017, 25, 116-126. | 1.5 | 14 |
| 90 | Evaluation of fungal infection in peaches based on optical and microstructural properties. Postharvest Biology and Technology, 2020, 165, 111181. | 6.0 | 14 |

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| 91 | Force/deformation techniques for measuring texture. , 2004, , 109-145. | | 13 |
| 92 | Characterization of nonlinear behavior of apple flesh under stress relaxation. Journal of Rheology, 1992, 36, 303-318. | 2.6 | 11 |
| 93 | Hyperspectral and multispectral imaging for food quality and safety. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 131-132. | 1.5 | 11 |
| 94 | Finite element simulation of light transfer in turbid media under structured illumination. Applied Optics, 2017, 56, 6035. | 1.8 | 10 |
| 95 | A stepwise method for estimating optical properties of two-layer turbid media from spatial-frequency domain reflectance. Optics Express, 2019, 27, 1124. | 3.4 | 10 |
| 96 | Peach maturity/quality assessment using hyperspectral imaging-based spatially resolved technique. Proceedings of SPIE, $2011,\ldots$ | 0.8 | 9 |
| 97 | Prediction of Cooking Time for Soaked and Unsoaked Dry Beans (<i>Phaseolus vulgaris</i> L.) Using Hyperspectral Imaging Technology. The Plant Phenome Journal, 2018, 1, 1-9. | 2.0 | 9 |
| 98 | Hyperspectral diffuse reflectance for determination of the optical properties of milk and fruit and vegetable juices. , $2005, \dots$ | | 8 |
| 99 | Development of a low-cost attitude sensor for agricultural vehicles. Computers and Electronics in Agriculture, 2011, 76, 198-204. | 7.7 | 8 |
| 100 | ANALYSIS OF ABSORPTION AND SCATTERING SPECTRA FOR ASSESSING THE INTERNAL QUALITY OF APPLE FRUIT. Acta Horticulturae, 2012, , 181-188. | 0.2 | 7 |
| 101 | Detection of Chilling Injury in Pickling Cucumbers Using Dual-Band Chlorophyll Fluorescence Imaging. Foods, 2021, 10, 1094. | 4.3 | 7 |
| 102 | SHEAR PROPERTIES AND WARNER-BRATZLER TENDERNESS MEASUREMENT OF BEEF. Journal of Texture Studies, 1999, 30, 361-375. | 2.5 | 6 |
| 103 | Near-infrared multispectral scattering for assessing internal quality of apple fruit. , 2004, , . | | 6 |
| 104 | Analysis of hyperspectral scattering characteristics for predicting apple fruit firmness and soluble solids content., 2009,,. | | 6 |
| 105 | siritool: A Matlab Graphical User Interface for Image Analysis in Structured-Illumination Reflectance Imaging for Fruit Defect Detection. Transactions of the ASABE, 2020, 63, 1037-1047. | 1.1 | 6 |
| 106 | Quality evaluation of Fruit by Hyperspectral Imaging. , 2008, , 319-348. | | 5 |
| 107 | Hyperspectral Imaging for Defect Detection of Pickling Cucumbers. , 2010, , 431-447. | | 5 |
| 108 | Internal quality evaluation of apples using spectral absorption and scattering properties. Proceedings of SPIE, 2007, , . | 0.8 | 4 |

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| 109 | Integrating fluorescence and interactance measurements to improve apple maturity assessment. , 2006, , . | | 3 |
| 110 | Multi-sensor data fusion for improved prediction of apple fruit firmness and soluble solids content. Proceedings of SPIE, $2011, \ldots$ | 0.8 | 3 |
| 111 | Detection of fresh bruises in apples by structured-illumination reflectance imaging. Proceedings of SPIE, 2016, , . | 0.8 | 2 |
| 112 | Overview of Light Interaction with Food and Biological Materials. Contemporary Food Engineering, 2016, , 19-41. | 0.2 | 2 |
| 113 | UV/blue Light-induced Fluorescence for Assessing Apple Quality. Journal of Biosystems Engineering, 2010, 35, 124-131. | 2.5 | 2 |
| 114 | A recursive method for updating apple firmness prediction models based on spectral scattering images. Proceedings of SPIE, 2007, , . | 0.8 | 1 |
| 115 | Wavebands selection for a hyperspectral reflectance and transmittance imaging system for quality evaluation of pickling cucumbers. , 2009, , . | | 1 |
| 116 | Detection of fruit fly infestation in pickling cucumbers using hyperspectral imaging., 2011,,. | | 1 |
| 117 | Measurement of Food Optical Properties. Food Engineering Series, 2015, , 203-226. | 0.7 | 1 |
| 118 | Theory of Light Transfer in Food and Biological Materials. Contemporary Food Engineering, 2016, , 43-77. | 0.2 | 1 |
| 119 | Spatially Resolved Spectroscopic Technique for Measuring Optical Properties of Food. Contemporary Food Engineering, 2016, , 159-185. | 0.2 | 1 |
| 120 | Phase analysis for three-dimensional surface reconstruction of apples using structured-illumination reflectance imaging. , 2017 , , . | | 1 |
| 121 | <i>Optimization of Spatial Frequency Domain Imaging Technique for Estimating Optical Properties of Food and Biological Materials</i> ., 2017, | | 1 |
| 122 | <i>DETECTION OF SURFACE AND SUBSURFACE DEFECTS OF APPLES USING STRUCTURED-ILLUMINATION REFLECTANCE IMAGING WITH MACHINE LEARNING ALGORITHMS</i> ., 2018, , . | | 1 |
| 123 | Automated Infield Sorting and Handling of Apples. Agriculture Automation and Control, 2021, , 267-295. | 0.6 | 1 |
| 124 | Detecting pits in tart cherries by hyperspectral transmission imaging., 2004, 5587, 153. | | 0 |
| 125 | A laser-based multispectral imaging system for real-time detection of apple fruit firmness., 2005,,. | | 0 |
| 126 | Characterization of Spatially-Resolved Hyperspectral Scattering Images for Assessing Apple Fruit Firmness. , 2007, , . | | 0 |

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| 127 | On-Line Hyperspectral Transmittance Imaging for Internal Defect Detection of Pickling Cucumbers. , 2007, , . | | 0 |
| 128 | Optical Properties of Bruised Apple Tissue. , 2009, , . | | 0 |
| 129 | Characterization of the optical properties of normal and defective pickling cucumbers and whole pickles. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 130 | Feature Wavelengths Selection Using Successive Projections Algorithm for Prediction of Apple Firmness and Soluble Solids Content. , 2010, , . | | 0 |
| 131 | Data Fusion of Visible/Near-infrared Spectroscopy and Spectral Scattering for Apple Quality Assessment., 2011,,. | | 0 |
| 132 | Assessment of Internal Quality of Blueberry Using Hyperspectral Imaging., 2012,,. | | 0 |
| 133 | Hyperspectral Imaging-based Classification and Wavebands Selection for Internal Defect Detection of Pickling Cucumbers. , 2013, , . | | 0 |
| 134 | Assessing the sensitivity and robustness of prediction models for apple firmness using spectral scattering technique. , 2013, , . | | 0 |
| 135 | A sequential method for measuring the optical properties of two-layer media with spatially-resolved diffuse reflectance: simulation study. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 136 | Development of a multichannel hyperspectral imaging probe for food property and quality assessment. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 137 | Finite element simulation of light transfer in turbid media under structured illumination. , 2017, , . | | 0 |
| 138 | <i>Structured-Illumination Reflectance Imaging Coupled with Spiral Phase Transform for Bruise Detection and Three-Dimensional Geometry Reconstruction of Apples</i> ., 2017,,. | | 0 |
| 139 | Measuring the optical properties of two-layer agricultural tissue with a sequential method from spatially-resolved diffuse reflectance, Part I: Analysis and simplification. , 2018, , . | | 0 |
| 140 | & t; >siriTool: a Matlab Graphical User Interface for Image Analysis in Structured-illumination Reflectance imaging for Fruit Defect Detection& t; >., 2019,,. | | 0 |