Yongliang Liu

List of Publications by Year
in descending order

31 papers	734 citations	623734 14 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	750 citing authors

#	Article	IF	Citations
1	Two-Dimensional Correlation Spectroscopy Study of Visible and Near-Infrared Spectral Variations of Chicken Meats in Cold Storage. Applied Spectroscopy, 2000, 54, 1458-1470.	2.2	75
2	Comparative Investigation of Fourier Transform Infrared (FT-IR) Spectroscopy and X-ray Diffraction (XRD) in the Determination of Cotton Fiber Crystallinity. Applied Spectroscopy, 2012, 66, 983-986.	2.2	72
3	Fourier Transform Infrared Spectroscopy (FT-IR) and Simple Algorithm Analysis for Rapid and Non-Destructive Assessment of Developmental Cotton Fibers. Sensors, 2017, 17, 1469.	3.8	59
4	Recent Progress in Fourier Transform Infrared (FTIR) Spectroscopy Study of Compositional, Structural and Physical Attributes of Developmental Cotton Fibers. Materials, 2013, 6, 299-313.	2.9	54
5	Comparative fiber property and transcriptome analyses reveal key genes potentially related to high fiber strength in cotton (Gossypium hirsutum L.) line MD52ne. BMC Plant Biology, 2016, 16, 36.	3.6	51
6	Two-Dimensional Correlation Analysis of Visible/Near-Infrared Spectral Intensity Variations of Chicken Breasts with Various Chilled and Frozen Storages. Journal of Agricultural and Food Chemistry, 2004, 52, 505-510.	5.2	46
7	Compositional features of cotton plant biomass fractions characterized by attenuated total reflection Fourier transform infrared spectroscopy. Industrial Crops and Products, 2016, 79, 283-286.	5.2	46
8	Two-Dimensional Fourier Transform Raman Correlation Spectroscopy Determination of the Glycosidic Linkages in Amylose and Amylopectin. Applied Spectroscopy, 2004, 58, 745-749.	2.2	35
9	Comparative physical and chemical analyses of cotton fibers from two near isogenic upland lines differing in fiber wall thickness. Cellulose, 2017, 24, 2385-2401.	4.9	31
10	Comparison and validation of Fourier transform infrared spectroscopic methods for monitoring secondary cell wall cellulose from cotton fibers. Cellulose, 2018, 25, 49-64.	4.9	27
11	Natural resistance of raw cotton fiber to heat evidenced by the suppressed depolymerization of cellulose. Polymer Degradation and Stability, 2017, 138, 133-141.	5.8	23
12	Use of Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopy in Direct, Nondestructive, and Rapid Assessment of Developmental Cotton Fibers Grown in Planta and in Culture. Applied Spectroscopy, 2015, 69, 1004-1010.	2.2	22
13	Use of Visibleâ€“Near-Infrared (Vis-NIR) Spectroscopy to Detect Aflatoxin B₁ on Peanut Kernels. Applied Spectroscopy, 2019, 73, 415-423.	2.2	21
14	Characterization of Attenuated Total Reflection Infrared Spectral Intensity Variations of Immature and Mature Cotton Fibers by Two-Dimensional Correlation Analysis. Applied Spectroscopy, 2012, 66, 198-207.	2.2	17
15	Two-Dimensional Attenuated Total Reflection Infrared Correlation Spectroscopy Study of the Desorption Process of Water-Soaked Cotton Fibers. Applied Spectroscopy, 2010, 64, 1355-1363.	2.2	14
16	Investigation of fiber maturity measurement by cross-sectional image analysis and Fourier transform infrared spectroscopy on developing and developed upland cottons. Cellulose, 2019, 26, 5865-5875.	4.9	13
17	Detection of aflatoxin B1 on corn kernel surfaces using visible-near infrared spectroscopy. Journal of Near Infrared Spectroscopy, 2020, 28, 59-69.	1.5	10
18	Preliminary Study of Linear Density, Tenacity, and Crystallinity of Cotton Fibers. Fibers, 2014, 2, 211-220.	4.0	9

#	Article	IF	Citations
19	Chemical Composition and Characterization of Cotton Fibers. , 2018, , 75-94.		9
20	Comparative Investigation of Secondary Cell Wall Development in Cotton Fiber Near Isogenic Lines Using Attenuated Total Reflection Fourier Transform Infrared Spectroscopy (ATR FT-IR). Applied Spectroscopy, 2019, 73, 329-336.	2.2	9
21	Fourier transform infrared spectral features of plant biomass components during cotton organ development and their biological implications. Journal of Cotton Research, 2022, 5, .	2.5	9
22	Application of near infrared spectroscopy in cotton fiber micronaire measurement. Information Processing in Agriculture, 2016, 3, 30-35.	4.1	7
23	Feasibility assessment of phenotyping cotton fiber maturity using infrared spectroscopy and algorithms for genotyping analyses. Journal of Cotton Research, 2019, 2, .	2.5	6
24	Preliminary study of relating cotton fiber tenacity and elongation with crystallinity. Textile Reseach Journal, 2014, 84, 1829-1839.	2.2	5
25	Characterization of Developmental Immature Fiber (im) Mutant and Texas Marker-1 (TM-1) Cotton Fibers Using Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopy. Applied Spectroscopy, 2017, 71, 1689-1695.	2.2	5
26	Study to relate mini-spun yarn tenacity with cotton fiber strength. Textile Reseach Journal, 2019, 89, 4491-4501.	2.2	5
27	Characterizations of a distributional parameter that evaluates contents of immature fibers within and among cotton samples. Cellulose, 2021, 28, 9023-9038.	4.9	5
28	Functional divergence of cellulose synthase orthologs in between wild Gossypium raimondii and domesticated G. arboreum diploid cotton species. Cellulose, 2019, 26, 9483-9501.	4.9	3
29	Separation of underdeveloped from developed cotton fibers by attenuated total reflection Fourier transform infrared spectroscopy. Microchemical Journal, 2020, 158, 105152.	4.5	3
30	Development of simple algorithm for direct and rapid determination of cotton maturity from FT-IR spectroscopy. Proceedings of SPIE, 2011, , .	0.8	0
31	Simple XRD algorithm for direct determination of cotton crystallinity. , 2012, , .		0