

Yongliang Liu

List of Publications by Year in descending order

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31
papers

734
citations

623734

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26
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docs citations

32
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Fourier transform infrared spectral features of plant biomass components during cotton organ development and their biological implications. <i>Journal of Cotton Research</i> , 2022, 5, .	2.5	9
2	Characterizations of a distributional parameter that evaluates contents of immature fibers within and among cotton samples. <i>Cellulose</i> , 2021, 28, 9023-9038.	4.9	5
3	Detection of aflatoxin B1 on corn kernel surfaces using visible-near infrared spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2020, 28, 59-69.	1.5	10
4	Separation of underdeveloped from developed cotton fibers by attenuated total reflection Fourier transform infrared spectroscopy. <i>Microchemical Journal</i> , 2020, 158, 105152.	4.5	3
5	Investigation of fiber maturity measurement by cross-sectional image analysis and Fourier transform infrared spectroscopy on developing and developed upland cottons. <i>Cellulose</i> , 2019, 26, 5865-5875.	4.9	13
6	Feasibility assessment of phenotyping cotton fiber maturity using infrared spectroscopy and algorithms for genotyping analyses. <i>Journal of Cotton Research</i> , 2019, 2, .	2.5	6
7	Study to relate mini-spun yarn tenacity with cotton fiber strength. <i>Textile Research Journal</i> , 2019, 89, 4491-4501.	2.2	5
8	Functional divergence of cellulose synthase orthologs in between wild <i>Gossypium raimondii</i> and domesticated <i>G. arboreum</i> diploid cotton species. <i>Cellulose</i> , 2019, 26, 9483-9501.	4.9	3
9	Use of Visible-Near-Infrared (Vis-NIR) Spectroscopy to Detect Aflatoxin B ₁ on Peanut Kernels. <i>Applied Spectroscopy</i> , 2019, 73, 415-423.	2.2	21
10	Comparative Investigation of Secondary Cell Wall Development in Cotton Fiber Near Isogenic Lines Using Attenuated Total Reflection Fourier Transform Infrared Spectroscopy (ATR FT-IR). <i>Applied Spectroscopy</i> , 2019, 73, 329-336.	2.2	9
11	Comparison and validation of Fourier transform infrared spectroscopic methods for monitoring secondary cell wall cellulose from cotton fibers. <i>Cellulose</i> , 2018, 25, 49-64.	4.9	27
12	Chemical Composition and Characterization of Cotton Fibers. , 2018, , 75-94.		9
13	Characterization of Developmental Immature Fiber (<i>im</i>) Mutant and Texas Marker-1 (TM-1) Cotton Fibers Using Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopy. <i>Applied Spectroscopy</i> , 2017, 71, 1689-1695.	2.2	5
14	Comparative physical and chemical analyses of cotton fibers from two near isogenic upland lines differing in fiber wall thickness. <i>Cellulose</i> , 2017, 24, 2385-2401.	4.9	31
15	Natural resistance of raw cotton fiber to heat evidenced by the suppressed depolymerization of cellulose. <i>Polymer Degradation and Stability</i> , 2017, 138, 133-141.	5.8	23
16	Fourier Transform Infrared Spectroscopy (FT-IR) and Simple Algorithm Analysis for Rapid and Non-Destructive Assessment of Developmental Cotton Fibers. <i>Sensors</i> , 2017, 17, 1469.	3.8	59
17	Compositional features of cotton plant biomass fractions characterized by attenuated total reflection Fourier transform infrared spectroscopy. <i>Industrial Crops and Products</i> , 2016, 79, 283-286.	5.2	46
18	Application of near infrared spectroscopy in cotton fiber micronaire measurement. <i>Information Processing in Agriculture</i> , 2016, 3, 30-35.	4.1	7

#	ARTICLE	IF	CITATIONS
19	Comparative fiber property and transcriptome analyses reveal key genes potentially related to high fiber strength in cotton (<i>Gossypium hirsutum</i> L.) line MD52ne. <i>BMC Plant Biology</i> , 2016, 16, 36.	3.6	51
20	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. <i>Applied Spectroscopy</i> , 2015, 69, 1004-1010.	2.2	22
21	Preliminary Study of Linear Density, Tenacity, and Crystallinity of Cotton Fibers. <i>Fibers</i> , 2014, 2, 211-220.	4.0	9
22	Preliminary study of relating cotton fiber tenacity and elongation with crystallinity. <i>Textile Research Journal</i> , 2014, 84, 1829-1839.	2.2	5
23	Recent Progress in Fourier Transform Infrared (FTIR) Spectroscopy Study of Compositional, Structural and Physical Attributes of Developmental Cotton Fibers. <i>Materials</i> , 2013, 6, 299-313.	2.9	54
24	Characterization of Attenuated Total Reflection Infrared Spectral Intensity Variations of Immature and Mature Cotton Fibers by Two-Dimensional Correlation Analysis. <i>Applied Spectroscopy</i> , 2012, 66, 198-207.	2.2	17
25	Comparative Investigation of Fourier Transform Infrared (FT-IR) Spectroscopy and X-ray Diffraction (XRD) in the Determination of Cotton Fiber Crystallinity. <i>Applied Spectroscopy</i> , 2012, 66, 983-986.	2.2	72
26	Simple XRD algorithm for direct determination of cotton crystallinity. , 2012, , .		0
27	Development of simple algorithm for direct and rapid determination of cotton maturity from FT-IR spectroscopy. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
28	Two-Dimensional Attenuated Total Reflection Infrared Correlation Spectroscopy Study of the Desorption Process of Water-Soaked Cotton Fibers. <i>Applied Spectroscopy</i> , 2010, 64, 1355-1363.	2.2	14
29	Two-Dimensional Correlation Analysis of Visible/Near-Infrared Spectral Intensity Variations of Chicken Breasts with Various Chilled and Frozen Storages. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 505-510.	5.2	46
30	Two-Dimensional Fourier Transform Raman Correlation Spectroscopy Determination of the Glycosidic Linkages in Amylose and Amylopectin. <i>Applied Spectroscopy</i> , 2004, 58, 745-749.	2.2	35
31	Two-Dimensional Correlation Spectroscopy Study of Visible and Near-Infrared Spectral Variations of Chicken Meats in Cold Storage. <i>Applied Spectroscopy</i> , 2000, 54, 1458-1470.	2.2	75