

Sumedha Liyanage

List of Publications by Year in descending order

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Version: 2024-02-01

17
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933447

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353
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Sporopollenin Shell Interfacial Properties in Protein Adsorption. <i>Langmuir</i> , 2022, 38, 2763-2776.	3.5	7
2	Cryogenic grinding of cotton fiber cellulose: The effect on physicochemical properties. <i>Carbohydrate Polymers</i> , 2022, 289, 119408.	10.2	5
3	FTIR microspectroscopic approach to investigate macromolecular distribution in seed coat cross-sections. <i>Vibrational Spectroscopy</i> , 2022, 120, 103376.	2.2	2
4	Conversion of low-quality cotton to bioplastics. <i>Cellulose</i> , 2021, 28, 2021-2038.	4.9	19
5	Production and Surface Modification of Cellulose Bioproducts. <i>Polymers</i> , 2021, 13, 3433.	4.5	35
6	Utilization of Cellulose to Its Full Potential: A Review on Cellulose Dissolution, Regeneration, and Applications. <i>Polymers</i> , 2021, 13, 4344.	4.5	53
7	Fourier transform infrared applications to investigate induced biochemical changes in liver. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 840-872.	6.7	6
8	Fourier transform infrared microspectroscopy detects biochemical changes during <i>C. elegans</i> lifespan. <i>Vibrational Spectroscopy</i> , 2019, 102, 71-78.	2.2	3
9	FTIR microspectroscopy reveals fatty acid-induced biochemical changes in <i>C. elegans</i> . <i>Vibrational Spectroscopy</i> , 2019, 102, 8-15.	2.2	12
10	Molecular weight and organization of cellulose at different stages of cotton fiber development. <i>Textile Research Journal</i> , 2019, 89, 726-738.	2.2	14
11	Review of FTIR microspectroscopy applications to investigate biochemical changes in <i>C. elegans</i> . <i>Vibrational Spectroscopy</i> , 2018, 96, 74-82.	2.2	28
12	Physical and Biochemical Characterization of Chemically Treated Pollen Shells for Potential Use in Oral Delivery of Therapeutics. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 3047-3059.	3.3	28
13	Application of FTIR imaging to detect dietary induced biochemical changes in brown and white adipocytes. <i>Vibrational Spectroscopy</i> , 2018, 97, 91-101.	2.2	3
14	Optimization and validation of cryostat temperature conditions for trans-reflectance mode FTIR microspectroscopic imaging of biological tissues. <i>MethodsX</i> , 2017, 4, 118-127.	1.6	17
15	FTIR imaging detects diet and genotype-dependent chemical composition changes in wild type and mutant <i>C. elegans</i> strains. <i>Analyst</i> , The, 2017, 142, 4727-4736.	3.5	13
16	Chemical and physical characterization of galactomannan extracted from guar cultivars (Cyamopsis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.2	60
17	Hydraulic Fracturing Impacts and Technologies. , 0, , .		5