Sumedha Liyanage

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6692992/publications.pdf

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17	310	933447 10	940533 16
papers	citations	h-index	g-index

17	17	17	353
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical and physical characterization of galactomannan extracted from guar cultivars (Cyamopsis) Tj ETQq1 1 0.784314 rgBT /Over	5.2	60
2	Utilization of Cellulose to Its Full Potential: A Review on Cellulose Dissolution, Regeneration, and Applications. Polymers, 2021, 13, 4344.	4.5	53
3	Production and Surface Modification of Cellulose Bioproducts. Polymers, 2021, 13, 3433.	4.5	35
4	Review of FTIR microspectroscopy applications to investigate biochemical changes in C. elegans. Vibrational Spectroscopy, 2018, 96, 74-82.	2.2	28
5	Physical and Biochemical Characterization of Chemically Treated Pollen Shells for Potential Use in Oral Delivery of Therapeutics. Journal of Pharmaceutical Sciences, 2018, 107, 3047-3059.	3.3	28
6	Conversion of low-quality cotton to bioplastics. Cellulose, 2021, 28, 2021-2038.	4.9	19
7	Optimization and validation of cryostat temperature conditions for trans-reflectance mode FTIR microspectroscopic imaging of biological tissues. MethodsX, 2017, 4, 118-127.	1.6	17
8	Molecular weight and organization of cellulose at different stages of cotton fiber development. Textile Reseach Journal, 2019, 89, 726-738.	2.2	14
9	FTIR imaging detects diet and genotype-dependent chemical composition changes in wild type and mutantC. elegansstrains. Analyst, The, 2017, 142, 4727-4736.	3.5	13
10	FTIR microspectroscopy reveals fatty acid-induced biochemical changes in C. elegans. Vibrational Spectroscopy, 2019, 102, 8-15.	2.2	12
11	Role of Sporopollenin Shell Interfacial Properties in Protein Adsorption. Langmuir, 2022, 38, 2763-2776.	3.5	7
12	Fourier transform infrared applications to investigate induced biochemical changes in liver. Applied Spectroscopy Reviews, 2020, 55, 840-872.	6.7	6
13	Hydraulic Fracturing Impacts and Technologies. , 0, , .		5
14	Cryogenic grinding of cotton fiber cellulose: The effect on physicochemical properties. Carbohydrate Polymers, 2022, 289, 119408.	10.2	5
15	Application of FTIR imaging to detect dietary induced biochemical changes in brown and white adipocytes. Vibrational Spectroscopy, 2018, 97, 91-101.	2.2	3
16	Fourier transform infrared microspectroscopy detects biochemical changes during C. elegans lifespan. Vibrational Spectroscopy, 2019, 102, 71-78.	2.2	3
17	FTIR microspectroscopic approach to investigate macromolecular distribution in seed coat cross-sections. Vibrational Spectroscopy, 2022, 120, 103376.	2.2	2