

Chinmay C Satam

List of Publications by Year in descending order

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papers

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1162367

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651
citing authors

#	ARTICLE	IF	CITATIONS
1	Spray-Coated Multilayer Cellulose Nanocrystalâ€”Chitin Nanofiber Films for Barrier Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 10637-10644.	3.2	102
2	Multifunctional Bioâ€Nanocomposite Coatings for Perishable Fruits. Advanced Materials, 2020, 32, e1908291.	11.1	97
3	Impact of Bay-Breeze Circulations on Surface Air Quality and Boundary Layer Export. Journal of Applied Meteorology and Climatology, 2014, 53, 1697-1713.	0.6	70
4	Mechanical reinforcement and thermal properties of PVA tricomponent nanocomposites with chitin nanofibers and cellulose nanocrystals. Composites Part A: Applied Science and Manufacturing, 2019, 116, 147-157.	3.8	59
5	Controlling Barrier and Mechanical Properties of Cellulose Nanocrystals by Blending with Chitin Nanofibers. Biomacromolecules, 2020, 21, 545-555.	2.6	35
6	Technoâ€economic analysis of 1,4â€butanediol production by a singleâ€step bioconversion process. Biofuels, Bioproducts and Biorefining, 2019, 13, 1261-1273.	1.9	33
7	Photostability of Ambient-Processed, Conjugated Polymer Electrochromic Devices Encapsulated by Bioderived Barrier Films. ACS Sustainable Chemistry and Engineering, 2021, 9, 2937-2945.	3.2	11
8	Synergistic Reinforcement of Composite Hydrogels with Nanofiber Mixtures of Cellulose Nanocrystals and Chitin Nanofibers. Biomacromolecules, 2021, 22, 340-352.	2.6	10
9	Increasing efficiency of the homogenization process for production of chitin nanofibers for barrier film applications. Carbohydrate Polymers, 2021, 274, 118658.	5.1	10
10	Comparison of two routes for the bioâ€based production of economically important <sc>C₄</sc> streams. Journal of Advanced Manufacturing and Processing, 2020, 2, .	1.4	6
11	Bioâ€Nanocomposite Coatings: Multifunctional Bioâ€Nanocomposite Coatings for Perishable Fruits (Adv.) Tj ETQq1 1.0.784314 rgBT	11.1	97
12	Multifunctional starch-based barrier materials. Tappi Journal, 2021, 20, 511-523.	0.2	0
13	Commercially relevant water vapor barrier properties of high amylose starch acetates: Fact or fiction?. Tappi Journal, 2021, 20, 599-604.	0.2	0