

Kai Chi

List of Publications by Year in descending order

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17
papers

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759055

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times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-charge bacterial cellulose as a potential 3D printable material for soft tissue engineering. <i>Composites Part B: Engineering</i> , 2022, 231, 109598.	5.9	19
2	Nanocellulose for Sustainable Water Purification. <i>Chemical Reviews</i> , 2022, 122, 8936-9031.	23.0	82
3	Nitro-oxidation process for fabrication of efficient bioadsorbent from lignocellulosic biomass by combined liquid-gas phase treatment. <i>Carbohydrate Polymer Technologies and Applications</i> , 2022, 3, 100219.	1.6	0
4	A covalently cross-linked hyaluronic acid/bacterial cellulose composite hydrogel for potential biological applications. <i>Carbohydrate Polymers</i> , 2021, 252, 117123.	5.1	53
5	Characterization of the supramolecular structures of cellulose nanocrystals of different origins. <i>Cellulose</i> , 2021, 28, 1369-1385.	2.4	19
6	Synthesis of cationic bacterial cellulose using a templated metal phenolic network for antibacterial applications. <i>Cellulose</i> , 2021, 28, 9283-9296.	2.4	9
7	Nitro-oxidized carboxycellulose nanofibers from moringa plant: effective bioadsorbent for mercury removal. <i>Cellulose</i> , 2021, 28, 8611-8628.	2.4	26
8	Structural and physico-chemical characterization of industrial hemp hurd: Impacts of chemical pretreatments and mechanical refining. <i>Industrial Crops and Products</i> , 2021, 171, 113818.	2.5	15
9	Study the Use of Activated Carbon and Bone Char on the Performance of Gravity Sand-Bag Water Filter. <i>Membranes</i> , 2021, 11, 868.	1.4	5
10	Functionalized bioadsorbents for removal of perfluoroalkyl substances: A perspective. <i>AWWA Water Science</i> , 2021, 3, .	1.0	8
11	Sustainable starch-based barrier coatings for packaging applications. <i>Food Hydrocolloids</i> , 2020, 103, 105696.	5.6	50
12	Improved eco-friendly barrier materials based on crystalline nanocellulose/chitosan/carboxymethyl cellulose polyelectrolyte complexes. <i>Food Hydrocolloids</i> , 2018, 80, 195-205.	5.6	84
13	Sustainable Development of Polysaccharide Polyelectrolyte Complexes as Eco-Friendly Barrier Materials for Packaging Applications. <i>ACS Symposium Series</i> , 2018, , 109-123.	0.5	6
14	Enhanced dispersion and interface compatibilization of crystalline nanocellulose in polylactide by surfactant adsorption. <i>Cellulose</i> , 2017, 24, 4845-4860.	2.4	36
15	The influences of added polysaccharides on the properties of bacterial crystalline nanocellulose. <i>Nanoscale</i> , 2017, 9, 15144-15158.	2.8	50
16	Crystalline nanocellulose/lauric arginate complexes. <i>Carbohydrate Polymers</i> , 2017, 175, 320-329.	5.1	31
17	Mechanical, thermal expansion, and flammability properties of co-extruded wood polymer composites with basalt fiber reinforced shells. <i>Materials & Design</i> , 2014, 60, 334-342.	5.1	85