Lei Chen

List of Publications by Citations

23	344	12	18
papers	citations	h-index	g-index
24	480	6.2	3.7
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
23	Enhancing the performance of starch-based wood adhesive by silane coupling agent(KH570). *International Journal of Biological Macromolecules*, **2017**, 104, 137-144	7.9	65
22	Effects of nano-TiO on bonding performance, structure stability and film-forming properties of starch-g-VAc based wood adhesive. *Carbohydrate Polymers*, **2018**, 200, 477-486	10.3	27
21	Synthesis and characterization of starch-g-poly(vinyl acetate-co-butyl acrylate) bio-based adhesive for wood application. *International Journal of Biological Macromolecules*, **2018**, 114, 1186-1193	7.9	25
20	The effects of fish meat and fish bone addition on nutritional value, texture and microstructure of optimised fried snacks. *International Journal of Food Science and Technology*, **2019**, 54, 1045-1053	3.8	24
19	Effects of different durations of acid hydrolysis on the properties of starch-based wood adhesive. *International Journal of Biological Macromolecules*, **2017**, 103, 819-828	7.9	23
18	Effects of different emulsifiers on the bonding performance, freeze-thaw stability and retrogradation behavior of the resulting high amylose starch-based wood adhesive. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 538, 192-201	5.1	20
17	Evaluation of physicochemical, textural and sensory quality characteristics of red fish meat-based fried snacks. *Journal of the Science of Food and Agriculture*, **2019**, 99, 5771-5777	4.3	17
16	The impact of hydrophilic emulsifiers on the physico-chemical properties, microstructure, water distribution and in vitro digestibility of proteins in fried snacks based on fish meat. *Food and Function*, **2019**, 10, 6927-6935	6.1	16
15	Synthesis of H 2 Ti 2 O 3 □H 2 O nanotubes and their effects on the flame retardancy of bamboo fiber/high-density polyethylene composites. *Composites Part A: Applied Science and Manufacturing*, **2016**, 90, 225-233	8.4	16
14	Effect of wheat flour replacement with potato powder on dough rheology, physiochemical and microstructural properties of instant noodles. *Journal of Food Processing and Preservation*, **2019**, 43, e13995	2.1	15
13	Effects of dynamic high-pressure microfluidization treatment on the functional and structural properties of potato protein isolate and its complex with chitosan. *Food Research International*, **2021**, 140, 109868	7	15
12	Effects of sucrose fatty acid esters on the stability and bonding performance of high amylose starch-based wood adhesive. *International Journal of Biological Macromolecules*, **2017**, 104, 846-853	7.9	14
11	Sodium dodecyl sulfate improves the properties of bio-based wood adhesive derived from micronized starch: Microstructure and rheological behaviors. *International Journal of Biological Macromolecules*, **2019**, 140, 1026-1036	7.9	12
10	Starch: An Undisputed Potential Candidate and Sustainable Resource for the Development of Wood Adhesive. *Starch/Staerke*, **2020**, 72, 1900276	2.3	12
9	The formation mechanism and thermodynamic properties of potato protein isolate-chitosan complex under dynamic high-pressure microfluidization (DHPM) treatment. *International Journal of Biological Macromolecules*, **2020**, 154, 486-492	7.9	11
8	Effects of sucrose fatty acid ester addition on the structural, rheological and retrogradation behavior of high amylose starch-based wood adhesive. *International Journal of Adhesion and Adhesives*, **2019**, 89, 51-58	3.4	10
7	A combination of coarse-grain molecular dynamics to investigate the effects of sodium dodecyl sulfate on grafted reaction of starch-based adhesive. *Carbohydrate Polymers*, **2019**, 218, 20-29	10.3	6

6	Synthesis and Characterization of Corn Starch Crosslinked with Oxidized Sucrose. *Starch/Staerke*, **2018**, 71, 1800152	2.3	6
5	The effects of gluten protein substation on chemical structure, crystallinity, and Ca in vitro digestibility of wheat-cassava snacks. *Food Chemistry*, **2021**, 339, 127875	8.5	4
4	Investigating the structure and self-assembly behavior of starch-g-VAc in starch-based adhesive by combining NMR analysis and multi-scale simulation. *Carbohydrate Polymers*, **2020**, 246, 116655	10.3	3
3	Effects of granule size on physicochemical and digestive properties of potato powder. *Journal of the Science of Food and Agriculture*, **2020**, 100, 4005-4011	4.3	2
2	Interfacial modification of starch at high concentration by sodium dodecylsulfate as revealed by experiments and molecular simulation. *Journal of Molecular Liquids*, **2020**, 310, 113190	6	0
1	Sustainable Bio-Based Wood Adhesive Incorporated Different Functionalized Nanoparticles: A Performance Comparison Study. *Starch/Staerke*, **2021**, 73, 2100042	2.3	