Hongsheng Liu

List of Publications by Citations

22 papers	433 citations	11 h-index	20 g-index
28 ext. papers	609 ext. citations	6.6 avg, IF	3.75 L-index

#	Paper	IF	Citations
22	Starch-based antimicrobial films functionalized by pomegranate peel. *International Journal of Biological Macromolecules*, **2019**, 129, 1120-1126	7.9	83
21	Thermal Decomposition of Corn Starch with Different Amylose/Amylopectin Ratios in Open and Sealed Systems. *Cereal Chemistry*, **2009**, 86, 383-385	2.4	67
20	Development and preparation of active starch films carrying tea polyphenol. *Carbohydrate Polymers*, **2018**, 196, 162-167	10.3	65
19	Insights into the hierarchical structure and digestion rate of alkali-modulated starches with different amylose contents. *Carbohydrate Polymers*, **2016**, 144, 271-81	10.3	37
18	Preparation and characterization of starch-based composite films reinforced by corn and wheat hulls. *Journal of Applied Polymer Science*, **2017**, 134, 45159	2.9	34
17	Development and characterization of a hydroxypropyl starch/zein bilayer edible film. *International Journal of Biological Macromolecules*, **2019**, 141, 1175-1182	7.9	31
16	Superhydrophobic Modification on Starch Film Using PDMS and Ball-Milled MMT Coating. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 10423-10430	8.3	30
15	Preparation and characterization of edible starch film reinforced by laver. *International Journal of Biological Macromolecules*, **2019**, 129, 944-951	7.9	20
14	Effect of plasticizers on microstructure, compatibility and mechanical property of hydroxypropyl methylcellulose/hydroxypropyl starch blends. *International Journal of Biological Macromolecules*, **2018**, 119, 141-148	7.9	16
13	Morphology and phase transition of waxy cornstarch in solvents of 1-allyl-3-methylimidazolium chloride/water. *International Journal of Biological Macromolecules*, **2015**, 78, 304-12	7.9	15
12	Preparation and characterization of starch-based composite films reinforced by apricot and walnut shells. *Journal of Applied Polymer Science*, **2019**, 136, 47978	2.9	12
11	A study of starch-urea-water mixtures with a combination of molecular dynamics simulation and traditional characterization methods. *International Journal of Biological Macromolecules*, **2020**, 148, 121-128	7.9	8
10	Plasticization Efficiency and Characteristics of Monosaccharides, Disaccharides, and Low-Molecular-Weight Polysaccharides for Starch-Based Materials. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 11960-11969	8.3	5
9	Starch-Based Foams Nucleated and Reinforced by Polysaccharide-Based Crystals. *ACS Sustainable Chemistry and Engineering*,	8.3	3
8	Quantitative study of starch swelling capacity during gelatinization with an efficient automatic segmentation methodology. *Carbohydrate Polymers*, **2021**, 255, 117372	10.3	2
7	Anchor and bridge functions of APTES layer on interface between hydrophilic starch films and hydrophobic soyabean oil coating. *Carbohydrate Polymers*, **2021**, 272, 118450	10.3	2
6	Effect of annealing on morphologies and performances of hydroxypropyl methylcellulose/hydroxypropyl starch blends. *Journal of Applied Polymer Science*, **2020**, 137, 49535	2.9	1

List of Publications

5	Influence of Moisture Content on Starch Esterification by Solvent-Free Method. *Starch/Staerke*, **2021**, 73, 2100009	2.3	1
4	A new characterization methodology for starch gelatinization. *International Journal of Biological Macromolecules*, **2019**, 125, 1140-1146	7.9	1
3	Alkali-washing facilitates thermal-processed lignin to slow the hydrolysis of pancreatic α-amylase in starchy foods.. *Carbohydrate Polymers*, **2022**, 290, 119502	10.3	0
2	Starch-Based Packaging Materials **2021**, 1-26		
1	Characterization of a novel starch-based foam with a tunable release of oxygen.. *Food Chemistry*, **2022**, 389, 133062	8.5	