Zhongkai Zhou

List of Publications by Year in Descending Order

21 papers	263 citations	9 h-index	16 g-index
24 ext. papers	400 ext. citations	5.5 avg, IF	3.34 L-index

#	Paper	IF	Citations
21	Association of starch crystalline pattern with acetylation property and its influence on gut microbota fermentation characteristics. *Food Hydrocolloids*, **2022**, 128, 107556	10.6	2
20	The structure and stability analysis of the pea seed legumin glycosylated by oligochitosan. *Journal of the Science of Food and Agriculture*, **2021**, 101, 1065-1075	4.3	0
19	Microbiota fermentation characteristics of acylated starches and the regulation mechanism of short-chain fatty acids on hepatic steatosis. *Food and Function*, **2021**, 12, 8659-8668	6.1	0
18	Manipulation of the internal structure of starch by propionyl treatment and its diverse influence on digestion and in vitro fermentation characteristics. *Carbohydrate Polymers*, **2021**, 270, 118390	10.3	5
17	Ultrasonication enhanced the multi-scale structural characteristics of rice starch following short-chain fatty acids acylation. *International Journal of Biological Macromolecules*, **2021**, 190, 333-342	7.9	1
16	Preparation, structural characteristics and physiological property of resistant starch. *Advances in Food and Nutrition Research*, **2021**, 95, 1-40	6	1
15	A study on volatile metabolites screening by HS-SPME-GC-MS and HS-GC-IMS for discrimination and characterization of white and yellowed rice. *Cereal Chemistry*, **2020**, 97, 496-504	2.4	24
14	Regulation of hyperglycemia in diabetic mice by autolysates from Ɛmannanase-treated breweris yeast. *Journal of the Science of Food and Agriculture*, **2019**, 99, 6981-6988	4.3	1
13	Attenuation of metabolic syndrome in the ob/ob mouse model by resistant starch intervention is dose dependent. *Food and Function*, **2019**, 10, 7940-7951	6.1	6
12	Wheat bran with enriched gamma-aminobutyric acid attenuates glucose intolerance and hyperinsulinemia induced by a high-fat diet. *Food and Function*, **2018**, 9, 2820-2828	6.1	10
11	Enhancement of the water solubility and antioxidant activity of hesperidin by chitooligosaccharide. *Journal of the Science of Food and Agriculture*, **2018**, 98, 2422-2427	4.3	23
10	Characterization of endogenous antioxidant attributes and its influence on thermal stability of canola oil.. *RSC Advances*, **2018**, 8, 36096-36103	3.7	1
9	Functional enrichment of mannanase-treated spent brewer yeast. *Preparative Biochemistry and Biotechnology*, **2017**, 47, 789-794	2.4	4
8	A comparison of RS4-type resistant starch to RS2-type resistant starch in suppressing oxidative stress in high-fat-diet-induced obese rats. *Food and Function*, **2017**, 8, 232-240	6.1	22
7	Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes. *Food and Function*, **2017**, 8, 4374-4383	6.1	30
6	Resistant starch attenuates impaired lipid biosynthesis induced by dietary oxidized oil via activation of insulin signaling pathways. *RSC Advances*, **2017**, 7, 50772-50780	3.7	2
5	Enhanced anti-obesity effects of complex of resistant starch and chitosan in high fat diet fed rats. *Carbohydrate Polymers*, **2017**, 157, 834-841	10.3	34

4	Effect of single or combined administration of resistant starch and chitosan oligosaccharides on insulin resistance in rats fed with a high-fat diet. *Starch/Staerke*, **2017**, 69, 1600209	2.3	4
3	Effect of Ganoderma lucidum spores intervention on glucose and lipid metabolism gene expression profiles in type 2 diabetic rats. *Lipids in Health and Disease*, **2015**, 14, 49	4.4	22
2	Resistant starch manipulated hyperglycemia/hyperlipidemia and related genes expression in diabetic rats. *International Journal of Biological Macromolecules*, **2015**, 75, 316-21	7.9	45
1	Starch structure modulates metabolic activity and gut microbiota profile. *Anaerobe*, **2013**, 24, 71-8	2.8	26