

Xiao-Na Guo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,175
citations

19
h-index

32
g-index

73
ext. papers

1,744
ext. citations

6.4
avg, IF

5.19
L-index

#	Paper	IF	Citations
70	Impact of solid state fermentation on nutritional, physical and flavor properties of wheat bran. <i>Food Chemistry</i> , 2017 , 217, 28-36	8.5	78
69	Polymerization of wheat gluten and the changes of glutenin macropolymer (GMP) during the production of Chinese steamed bread. <i>Food Chemistry</i> , 2016 , 201, 275-83	8.5	76
68	Effect of vacuum mixing on the quality characteristics of fresh noodles. <i>Journal of Food Engineering</i> , 2012 , 110, 525-531	6	75
67	Natural Additives in Wheat-Based Pasta and Noodle Products: Opportunities for Enhanced Nutritional and Functional Properties. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2014 , 13, 347-357	16.4	71
66	The impact of protein cross-linking induced by alkali on the quality of buckwheat noodles. <i>Food Chemistry</i> , 2017 , 221, 1178-1185	8.5	56
65	Heat-induced interaction between egg white protein and wheat gluten. <i>Food Chemistry</i> , 2016 , 197, 699-708	8.5	50
64	Delineating the physico-chemical, structural, and water characteristic changes during the deterioration of fresh noodles: Understanding the deterioration mechanisms of fresh noodles. <i>Food Chemistry</i> , 2017 , 216, 374-81	8.5	49
63	Effects of frozen storage on the quality characteristics of frozen cooked noodles. <i>Food Chemistry</i> , 2019 , 283, 522-529	8.5	44
62	Functional properties of chitosan-xylose Maillard reaction products and their application to semi-dried noodle. <i>Carbohydrate Polymers</i> , 2013 , 92, 1972-7	10.3	43
61	Effect of steaming on the quality characteristics of frozen cooked noodles. <i>LWT - Food Science and Technology</i> , 2015 , 62, 1134-1140	5.4	41
60	Delineating the protein changes in Asian noodles induced by vacuum mixing. <i>Food Chemistry</i> , 2014 , 143, 9-16	8.5	41
59	Effects of alkali on protein polymerization and textural characteristics of textured wheat protein. <i>Food Chemistry</i> , 2018 , 239, 579-587	8.5	37
58	Delineating the microbial and physico-chemical changes during storage of ozone treated wheat flour. <i>Innovative Food Science and Emerging Technologies</i> , 2013 , 20, 223-229	6.8	35
57	Effect of superheated steam treatment on quality characteristics of whole wheat flour and storage stability of semi-dried whole wheat noodle. <i>Food Chemistry</i> , 2020 , 322, 126738	8.5	34
56	Quality characteristics, structural changes, and storage stability of semi-dried noodles induced by moderate dehydration: understanding the quality changes in semi-dried noodles. <i>Food Chemistry</i> , 2016 , 194, 797-804	8.5	30
55	Effect of deamidation-induced modification on umami and bitter taste of wheat gluten hydrolysates. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 3181-3188	4.3	25
54	Effect of sequential hydrolysis with endo- and exo-peptidase on bitterness properties of wheat gluten hydrolysates. <i>RSC Advances</i> , 2016 , 6, 27659-27668	3.7	24

53	Influence of ultrasound during wheat gluten hydrolysis on the antioxidant activities of the resulting hydrolysate. <i>International Journal of Food Science and Technology</i> , 2011 , 46, 1053-1059	3.8	23
52	Artificial neural network - Genetic algorithm to optimize wheat germ fermentation condition: Application to the production of two anti-tumor benzoquinones. <i>Food Chemistry</i> , 2017 , 227, 264-270	8.5	22
51	Effect of different mixing and kneading process on the quality characteristics of frozen cooked noodle. <i>LWT - Food Science and Technology</i> , 2019 , 101, 583-589	5.4	19
50	Effect of Barley β -Glucan on the Gluten Polymerization Process in Dough during Heat Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6063-6069	5.7	18
49	Impact of Characteristics of Different Wheat Flours on the Quality of Frozen Cooked Noodles. <i>Cereal Chemistry</i> , 2017 , 94, 881-886	2.4	18
48	Activation of Endogenous Phytase and Degradation of Phytate in Wheat Bran. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 1082-1087	5.7	18
47	The enhanced inhibition of water extract of black tea under baking treatment on α -amylase and β -glucosidase. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 129-136	7.9	16
46	The Effect of Active Packaging on Microbial Stability and Quality of Chinese Steamed Bread. <i>Packaging Technology and Science</i> , 2015 , 28, 775-787	2.3	16
45	Influences of alkali on the quality and protein polymerization of buckwheat Chinese steamed bread. <i>Food Chemistry</i> , 2019 , 283, 52-58	8.5	15
44	Polyphenol oxidase browning in the formation of dark spots on fresh wet noodle sheets: How dark spots formed. <i>Food Chemistry</i> , 2020 , 329, 126800	8.5	13
43	Increasing the physicochemical stability of stored green tea noodles: Analysis of the quality and chemical components. <i>Food Chemistry</i> , 2019 , 278, 333-341	8.5	13
42	Effect of Steam Flash Explosion Pretreatment on Phytate Degradation of Wheat Bran. <i>Food and Bioprocess Technology</i> , 2015 , 8, 1552-1560	5.1	11
41	Effect of thermal treatments on in vitro starch digestibility of sorghum dried noodles. <i>Food and Function</i> , 2020 , 11, 3420-3431	6.1	11
40	Critical conditions accelerating the deterioration of fresh noodles: A study on temperature, pH, water content, and water activity. <i>Journal of Food Processing and Preservation</i> , 2017 , 41, e13173	2.1	11
39	Impact of gluten quality on textural stability of cooked noodles and the underlying mechanism. <i>Food Hydrocolloids</i> , 2021 , 119, 106842	10.6	11
38	Effect of fresh egg white addition on the quality characteristics and protein aggregation of oat noodles. <i>Food Chemistry</i> , 2020 , 330, 127319	8.5	9
37	Revealing the effect mechanism of NaCl on the rheological properties of dough of Chinese traditional hand-stretched dried noodles. <i>Food Chemistry</i> , 2020 , 320, 126606	8.5	9
36	Impact of arabinoxylan with different molecular weight on the thermo-mechanical, rheological, water mobility and microstructural characteristics of wheat dough. <i>International Journal of Food Science and Technology</i> , 2018 , 53, 2150-2158	3.8	8

35	Effects of tempering with steam on the water distribution of wheat grains and quality properties of wheat flour. <i>Food Chemistry</i> , 2020 , 323, 126842	8.5	8
34	Changes in the enzyme-induced release of bitter peptides from wheat gluten hydrolysates. <i>RSC Advances</i> , 2016 , 6, 102249-102257	3.7	7
33	Resistance investigation of wheat bran polyphenols extracts on HEK293 cells against oxidative damage. <i>RSC Advances</i> , 2015 , 5, 16116-16124	3.7	7
32	Influence of ϵ -poly-L-lysine treated yeast on gluten polymerization and freeze-thaw tolerance of frozen dough. <i>Food Chemistry</i> , 2021 , 343, 128440	8.5	7
31	Effect of ozonated water on physicochemical, microbiological, and textural properties of semi-dried noodles. <i>Journal of Food Processing and Preservation</i> , 2020 , 44, e14404	2.1	6
30	Effect of barley β -glucan on water redistribution and thermal properties of dough. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 2329-2337	3.8	6
29	Effects of insoluble dietary fiber and ferulic acid on the quality of steamed bread and gluten aggregation properties. <i>Food Chemistry</i> , 2021 , 364, 130444	8.5	6
28	Water Cooking Stability of Dried Noodles Enriched with Different Particle Size and Concentration Green Tea Powders. <i>Foods</i> , 2020 , 9,	4.9	5
27	Effect of NaHCO and freeze-thaw cycles on frozen dough: From water state, gluten polymerization and microstructure. <i>Food Chemistry</i> , 2021 , 358, 129869	8.5	5
26	Macroporous adsorbent resin-based wheat bran polyphenol extracts inhibition effects on H ₂ O ₂ -induced oxidative damage in HEK293 cells. <i>RSC Advances</i> , 2015 , 5, 20931-20938	3.7	4
25	The addition of alpha amylase improves the quality of Chinese dried noodles. <i>Journal of Food Science</i> , 2021 , 86, 860-866	3.4	4
24	Influence of protein type, content and polymerization on in vitro starch digestibility of sorghum noodles. <i>Food Research International</i> , 2021 , 142, 110199	7	3
23	Effect of Humidity-Controlled Dehydration on Microbial Growth and Quality Characteristics of Fresh Wet Noodles. <i>Foods</i> , 2021 , 10,	4.9	3
22	Inhibition of L-Cysteine on the Browning of Fresh Wet Noodles. <i>Foods</i> , 2021 , 10,	4.9	3
21	Inhibition of hexose oxidase on the dark spots in fresh wet noodle sheets: A feasible prevention of dark spots. <i>Food Chemistry</i> , 2021 , 339, 128021	8.5	3
20	Influence of extrusion on storage quality of dried oat noodles: Lipid degradation and off-flavours. <i>Journal of Cereal Science</i> , 2021 , 101, 103316	3.8	3
19	Egg white protein addition induces protein aggregation and fibrous structure formation of textured wheat gluten. <i>Food Chemistry</i> , 2022 , 371, 131102	8.5	3
18	Effect of rehydration on textural properties, oral behavior, kinetics and water state of textured wheat gluten.. <i>Food Chemistry</i> , 2021 , 376, 131934	8.5	2

17	Impact of laccase-induced protein cross-linking on the in vitro starch digestion of black highland barley noodles. <i>Food Hydrocolloids</i> , 2022 , 124, 107298	10.6	2
16	Combined effect of NaCl and resting on dough rheology of Chinese traditional hand-stretched dried noodles and the underlying mechanism. <i>Cereal Chemistry</i> , 2021 , 98, 774-783	2.4	2
15	Effect of Superheated Steam Treatment on the Lipid Stability of Dried Whole Wheat Noodles during Storage. <i>Foods</i> , 2021 , 10,	4.9	2
14	Effect of sodium bicarbonate on quality of machine-made Kongxin noodles. <i>LWT - Food Science and Technology</i> , 2021 , 138, 110670	5.4	2
13	The effects of extruded endogenous starch on the processing properties of gluten-free Tartary buckwheat noodles. <i>Carbohydrate Polymers</i> , 2021 , 267, 118170	10.3	2
12	Thermal-aggregation behavior of gluten in frozen dough induced by ϵ -poly-L-lysine treated yeast. <i>Food Chemistry</i> , 2021 , 359, 129985	8.5	2
11	Effect of superheated steam treatment and extrusion on lipid stability of black soybean noodles during storage. <i>Food Control</i> , 2022 , 132, 108388	6.2	2
10	Effect of acidity regulators on the shelf life, quality, and physicochemical characteristics of fresh wet noodles. <i>Journal of Cereal Science</i> , 2022 , 103, 103409	3.8	1
9	Changes of lipids in noodle dough and dried noodles during industrial processing. <i>Journal of Food Science</i> , 2021 , 86, 3517-3528	3.4	1
8	Effect of phosphate salts on the shelf-life and quality characteristics of semi-dried noodles.. <i>Food Chemistry</i> , 2022 , 384, 132481	8.5	1
7	Metabolomics analysis of freeze-thaw tolerance enhancement mechanism of ϵ -poly-L-lysine on industrial yeast.. <i>Food Chemistry</i> , 2022 , 382, 132315	8.5	0
6	Effects of ultrasound-assisted resting on the qualities of whole wheat dough sheets and noodles. <i>International Journal of Food Science and Technology</i> , 2021 , 56, 5609	3.8	0
5	Insight into the Relationship Between Quality Characteristics and Major Chemical Components of Chinese Traditional Hand-Stretched Dried Noodles: a Comparative Study. <i>Food and Bioprocess Technology</i> , 2021 , 14, 945-955	5.1	0
4	Effect of pre-treated wheat bran on semi-dried whole wheat noodles for extending shelf-life and improving quality characteristics. <i>LWT - Food Science and Technology</i> , 2021 , 146, 111503	5.4	0
3	Effect of superheated steam treatment on the lipid stability of whole wheat flour. <i>Food Chemistry</i> , 2021 , 363, 130333	8.5	0
2	Effects of freeze-thaw cycles on the quality of frozen raw noodles.. <i>Food Chemistry</i> , 2022 , 387, 132940	8.5	0
1	Effect of freeze-thaw cycles on the physicochemical properties and frying performance of frozen Youtiao dough.. <i>Food Chemistry</i> , 2022 , 386, 132854	8.5	0