## Qi-Xing Jiang

## List of Publications by Year in descending order

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101384 168136 3,398 113 36 53 citations h-index g-index papers 113 113 113 2620 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	The effects of edible chitosan-based coatings on flavor quality of raw grass carp (Ctenopharyngodon) Tj ETQq $1\ 1$	0.784314	rgBT  Ove <mark>rl</mark> d
2	Synthesis and antioxidant properties of chitosan and carboxymethyl chitosan-stabilized selenium nanoparticles. Carbohydrate Polymers, 2015, 132, 574-581.	5.1	152
3	Development and properties of bacterial cellulose, curcumin, and chitosan composite biodegradable films for active packaging materials. Carbohydrate Polymers, 2021, 260, 117778.	5.1	115
4	Dynamics and diversity of microbial community succession during fermentation of Suan yu, a Chinese traditional fermented fish, determined by high throughput sequencing. Food Research International, 2018, 111, 565-573.	2.9	109
5	The shelf life extension of refrigerated grass carp ( Ctenopharyngodon idellus ) fillets by chitosan coating combined with glycerol monolaurate. International Journal of Biological Macromolecules, 2017, 101, 448-454.	3.6	100
6	The contribution of autochthonous microflora on free fatty acids release and flavor development in low-salt fermented fish. Food Chemistry, 2018, 256, 259-267.	4.2	97
7	Effect of autochthonous starter cultures on microbiological and physico-chemical characteristics of Suan yu, a traditional Chinese low salt fermented fish. Food Control, 2013, 33, 344-351.	2.8	83
8	Chemical and microbial properties of Chinese traditional low-salt fermented whole fish product Suan yu. Food Control, 2013, 30, 590-595.	2.8	74
9	Recent advances in quality retention of non-frozen fish and fishery products: A review. Critical Reviews in Food Science and Nutrition, 2020, 60, 1747-1759.	5.4	74
10	Molecular forces involved in heat-induced freshwater surimi gel: Effects of various bond disrupting agents on the gel properties and protein conformation changes. Food Hydrocolloids, 2017, 69, 193-201.	5.6	70
11	Effect of autochthonous starter cultures on the volatile flavour compounds of Chinese traditional fermented fish (Suan yu). International Journal of Food Science and Technology, 2016, 51, 1630-1637.	1.3	69
12	Chitosan oligosaccharide-N-chlorokojic acid mannich base polymer as a potential antibacterial material. Carbohydrate Polymers, 2018, 182, 225-234.	5.1	66
13	Physicochemical and structural characteristics of chitosan nanopowders prepared by ultrafine milling. Carbohydrate Polymers, 2012, 87, 309-313.	5.1	65
14	Correlations between microbiota succession and flavor formation during fermentation of Chinese low-salt fermented common carp (Cyprinus carpio L.) inoculated with mixed starter cultures. Food Microbiology, 2020, 90, 103487.	2.1	65
15	Pressure-induced changes of silver carp (Hypophthalmichthys molitrix) myofibrillar protein structure. European Food Research and Technology, 2014, 238, 753-761.	1.6	63
16	The relationship between degradation of myofibrillar structural proteins and texture of superchilled grass carp (Ctenopharyngodon idella) fillet. Food Chemistry, 2019, 301, 125278.	4.2	63
17	Geraniol grafted chitosan oligosaccharide as a potential antibacterial agent. Carbohydrate Polymers, 2017, 176, 356-364.	5.1	62
18	Aggregation and structural changes of silver carp actomyosin as affected by mild acidification with d-gluconic acid $\hat{l}$ -lactone. Food Chemistry, 2012, 134, 1005-1010.	4.2	59

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19	Influence of pH Shift on Functional Properties of Protein Isolated of Tilapia (Oreochromis niloticus) Muscles and of Soy Protein Isolate. Food and Bioprocess Technology, 2012, 5, 2192-2200.	2.6	58
20	Facile synthesis and antibacterial activity of geraniol conjugated chitosan oligosaccharide derivatives. Carbohydrate Polymers, 2021, 251, 117099.	5.1	58
21	Inhibitory effects of chitosan-based coatings on endogenous enzyme activities, proteolytic degradation and texture softening of grass carp (Ctenopharyngodon idellus) fillets stored at 4â€-°C. Food Chemistry, 2018, 262, 1-6.	4.2	57
22	Contribution of Mixed Starter Cultures to Flavor Profile of Suanyu - A Traditional Chinese Low-Salt Fermented Whole Fish. Journal of Food Processing and Preservation, 2017, 41, e13131.	0.9	54
23	Differential roles of ice crystal, endogenous proteolytic activities and oxidation in softening of obscure pufferfish (Takifugu obscurus) fillets during frozen storage. Food Chemistry, 2019, 278, 452-459.	4.2	52
24	Synthesis of varisized chitosan-selenium nanocomposites through heating treatment and evaluation of their antioxidant properties. International Journal of Biological Macromolecules, 2018, 114, 751-758.	3.6	50
25	Inhibition of microbial spoilage of grass carp (Ctenopharyngodon idellus) fillets with a chitosan-based coating during refrigerated storage. International Journal of Food Microbiology, 2018, 285, 61-68.	2.1	49
26	Proteolysis during fermentation of Suanyu as a traditional fermented fish product of China. International Journal of Food Properties, 2017, 20, S166-S176.	1.3	48
27	Cinnamyl alcohol modified chitosan oligosaccharide for enhancing antimicrobial activity. Food Chemistry, 2020, 309, 125513.	4.2	45
28	A strategy of ultrasound-assisted processing to improve the performance of bio-based coating preservation for refrigerated carp fillets (Ctenopharyngodon idellus). Food Chemistry, 2021, 345, 128862.	4.2	45
29	Endogenous proteolytic enzymes – A study of their impact on cod (Gadus morhua) muscle proteins and textural properties in a fermented product. Food Chemistry, 2015, 172, 551-558.	4.2	44
30	Effect of mixed kojis on physiochemical and sensory properties of rapidâ€fermented fish sauce made with freshwater fish byâ€products. International Journal of Food Science and Technology, 2017, 52, 2088-2096.	1.3	41
31	Effect of heating temperature and duration on the texture and protein composition of Bighead Carp ( <i>Aristichthys nobilis</i> ) muscle. International Journal of Food Properties, 2018, 21, 2110-2120.	1.3	40
32	Effects of chitosan coating combined with essential oils on quality and antioxidant enzyme activities of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets stored at 4°C. International Journal of Food Science and Technology, 2017, 52, 404-412.	1.3	39
33	Effects of inoculating autochthonous starter cultures on N-nitrosodimethylamine and its precursors formation during fermentation of Chinese traditional fermented fish. Food Chemistry, 2019, 271, 174-181.	4.2	39
34	Lipolysis and lipid oxidation caused by <i>Staphylococcus xylosus</i> 135 and <i>Saccharomyces cerevisiae</i> 31 isolated from Suan yu, a traditional Chinese lowâ€salt fermented fish. International Journal of Food Science and Technology, 2016, 51, 419-426.	1.3	38
35	Changes of biogenic amines in <scp>C</scp> hinese lowâ€salt fermented fish pieces ( <scp>S</scp> uan yu) inoculated with mixed starter cultures. International Journal of Food Science and Technology, 2013, 48, 685-692.	1.3	37
36	Physicochemical, microbiological, and sensory attributes of chitosan-coated grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets stored at 4°C. International Journal of Food Properties, 2017, 20, 390-401.	1.3	37

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37	Differential role of endogenous cathepsin and microorganism in texture softening of iceâ€stored grass carp ( <i>Ctenopharyngodon idella</i> ) fillets. Journal of the Science of Food and Agriculture, 2016, 96, 3233-3239.	1.7	36
38	The impact of desmin on texture and waterâ€holding capacity of iceâ€stored grass carp ( <i>Ctenopharyngodon idella</i> ) fillet. International Journal of Food Science and Technology, 2017, 52, 464-471.	1.3	36
39	Effect of kojic acid-grafted-chitosan oligosaccharides as a novel antibacterial agent on cell membrane of gram-positive and gram-negative bacteria. Journal of Bioscience and Bioengineering, 2015, 120, 335-339.	1.1	35
40	One-step procedure for enhancing the antibacterial and antioxidant properties of a polysaccharide polymer: Kojic acid grafted onto chitosan. International Journal of Biological Macromolecules, 2018, 113, 1125-1133.	3.6	35
41	A comparison of endogenous and microbial proteolytic activities during fast fermentation of silver carp inoculated with Lactobacillus plantarum. Food Chemistry, 2016, 207, 86-92.	4.2	34
42	Inhibitory effect of aqueous extract of Allium species on endogenous cathepsin activities and textural deterioration of ice-stored grass carp fillets. Food and Bioprocess Technology, 2015, 8, 2171-2175.	2.6	30
43	Effect of commercial starter cultures on the quality characteristics of fermented fish-chili paste. LWT - Food Science and Technology, 2020, 122, 109016.	2.5	30
44	Multifunctional bioactive coatings based on water-soluble chitosan with pomegranate peel extract for fish flesh preservation. Food Chemistry, 2022, 374, 131619.	4.2	30
45	Synergistic action of cathepsin B, L, D and calpain in disassembly and degradation of myofibrillar protein of grass carp. Food Research International, 2018, 109, 481-488.	2.9	29
46	Synthesis, characterization and bioactivities of N , O -carbonylated chitosan. International Journal of Biological Macromolecules, 2016, 91, 220-226.	3.6	28
47	Biosynthesis of acetate esters by dominate strains, isolated from Chinese traditional fermented fish (Suan yu). Food Chemistry, 2018, 244, 44-49.	4.2	27
48	Transcriptome analysis of the effects of chitosan on the hyperlipidemia and oxidative stress in high-fat diet fed mice. International Journal of Biological Macromolecules, 2017, 102, 104-110.	3.6	26
49	Acid-induced aggregation of actomyosin from silver carp (Hypophthalmichthys molitrix). Food Hydrocolloids, 2012, 27, 309-315.	5.6	25
50	Contribution of myofibril filament disassembly to textural deterioration of ice-stored grass carp fillet: Significance of endogenous proteolytic activity, loss of heat shock protein and dephosphorylation of myosin light chain. Food Chemistry, 2018, 269, 511-518.	4.2	24
51	Phospholipid molecular species composition of Chinese traditional low-salt fermented fish inoculated with different starter cultures. Food Research International, 2018, 111, 87-96.	2.9	21
52	Effect of chitosan with different molecular weight on the stability, antioxidant and anticancer activities of wellâ€dispersed selenium nanoparticles. IET Nanobiotechnology, 2019, 13, 30-35.	1.9	21
53	Quality of giant freshwater prawn ( <i>Macrobrachium rosenbergii</i> ) during the storage at $\hat{a}^{1}$ 18 $\hat{A}^{0}$ C as affected by different methods of freezing. International Journal of Food Properties, 2018, 21, 2100-2109.	1.3	20
54	Aroma profiles of commercial Chinese traditional fermented fish (Suan yu) in Western Hunan: GC-MS, odor activity value and sensory evaluation by partial least squares regression. International Journal of Food Properties, 2020, 23, 213-226.	1.3	20

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55	The impact of collagen on softening of grass carp ( <i>Ctenopharyngodon idella</i> ) fillets stored under superchilled and iceAstorage. International Journal of Food Science and Technology, 2015, 50, 2427-2435.	1.3	19
56	Biochemical and Sensory Characteristics of Whole Carp Inoculated With Autochthonous Starter Cultures. Journal of Aquatic Food Product Technology, 2015, 24, 52-67.	0.6	19
57	Effect of Steam Cooking on Textural Properties and Taste Compounds of Shrimp ( <i>Metapenaeus) Tj ETQq1 1 (</i>	).784314 ı 0.3	rgBT /Overlo
58	Comparison of methodological proposal in sensory evaluation for Chinese mitten crab (Eriocheir) Tj ETQq0 0 0 rş	gBT /Overlo	ock 10 Tf 50
59	Effect of the Degree of Hydrolysis on Nutritional, Functional, and Morphological Characteristics of Protein Hydrolysate Produced from Bighead Carp (Hypophthalmichthys nobilis) Using Ficin Enzyme. Foods, 2022, 11, 1320.	1.9	18
60	Physicochemical and functional properties of flour and protein isolates extracted from seinat (Cucumis melo var. tibish) seeds. Food Science and Biotechnology, 2014, 23, 345-353.	1.2	17
61	Freshness assessment of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets during stroage at 4°C by physicochemical, microbiological and sensorial evaluations. Journal of Food Safety, 2017, 37, e12305.	1.1	17
62	Effects of freezing method on water distribution, microstructure, and taste active compounds of frozen channel catfish ( <scp><i>lctalurus punctatus</i></scp> ). Journal of Food Process Engineering, 2019, 42, e12937.	1.5	17
63	The impact of fermentation at elevated temperature on quality attributes and biogenic amines formation of lowâ€salt fermented fish. International Journal of Food Science and Technology, 2019, 54, 723-733.	1.3	17
64	Esterase activities of autochthonous starter cultures to increase volatile flavour compounds in Chinese traditional fermented fish (Suan yu). International Journal of Food Properties, 2017, 20, S663-S672.	1.3	16
65	<i>In vitro</i> antioxidant activity of protein fractions extracted from seinat ( <i>Cucumis) Tj ETQq1 1 0.784314</i>	rgBT JOver	lock 10 Tf 50
66	Enhancement of storage stability of surimi particles stabilized novel pickering emulsions: Effect of different sequential ultrasonic processes. Ultrasonics Sonochemistry, 2021, 79, 105802.	3.8	15
67	Recovery of Chitin from Antarctic Krill ( <i>Euphausia superba</i> ) Shell Waste by Microbial Deproteinization and Demineralization. Journal of Aquatic Food Product Technology, 2017, 26, 1210-1220.	0.6	14
68	Comparative study on quality characteristics of pickled and fermented sturgeon (Acipenser sinensis) meat in retort cooking. International Journal of Food Science and Technology, 2019, 54, 2553-2562.	1.3	12
69	The apoptosis of grass carp (Ctenopharyngodon idella) muscle during postmortem condition regulated by the cytokines via TOR and NF-IºB signaling pathways. Food Chemistry, 2022, 369, 130911.	4.2	12
70	Binding of a novel bacteriostatic agentâ€"chitosan oligosaccharidesâ€"kojic acid graft copolymer to bovine serum albumin: spectroscopic and conformation investigations. European Food Research and Technology, 2015, 240, 109-118.	1.6	11
71	Effect of High Pressure Processing on the Quality and Endogenous Enzyme Activities of Grass Carp <i>(Ctenopharyngodon idellus) </i> Fillets Stored at 4°C. Journal of Aquatic Food Product Technology, 2018, 27, 1093-1105.	0.6	11
72	Improvement of the quality stability of vacuumâ€packaged fermented fish ( <i>Suanyu</i> ) stored at room temperature by irradiation and thermal treatments. International Journal of Food Science and Technology, 2021, 56, 224-232.	1.3	11

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73	The characterization and biological activities of synthetic N, O-selenized chitosan derivatives. International Journal of Biological Macromolecules, 2021, 173, 504-512.	3.6	11
74	Effect of Thermal Sterilization on the Selected Quality Attributes of Sweet and Sour Carp. International Journal of Food Properties, 2014, 17, 1828-1840.	1.3	10
75	Nutrient Compositions and Properties of Antarctic Krill ( <i>Euphausia superba</i> ) Muscle and Processing By-Products. Journal of Aquatic Food Product Technology, 2016, 25, 434-443.	0.6	10
76	Combined Effect of Microwave and Steam Cooking on Phytochemical Compounds and Antioxidant Activity of Purple Sweet Potatoes. Food Science and Technology Research, 2017, 23, 193-201.	0.3	10
77	Textural and physicochemical properties of surimi gels prepared with potassium and calcium chloride as substitutes for sodium chloride. International Journal of Food Properties, 0, , 1-14.	1.3	9
78	Inhibitory Effect of Edible Additives on Collagenase Activity and Softening of Chilled Grass Carp Fillets. Journal of Food Processing and Preservation, 2017, 41, e12836.	0.9	9
79	Relevance of collagen solubility and gelatinolytic proteinase activity for texture softening in chilled grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets. International Journal of Food Science and Technology, 2021, 56, 1801-1808.	1.3	9
80	The impact of crucial protein degradation in intramuscular connective tissue on softening of iceâ€stored grass carp ( <i>Ctenopharyngodon idella</i> ) fillets. International Journal of Food Science and Technology, 2021, 56, 3527-3535.	1.3	9
81	Improving the quality characteristics of rice mash grass carp using different microbial inoculation strategies. Food Bioscience, 2021, 44, 101443.	2.0	9
82	Purification and Characterization of an Extracellular Acidic Protease of <i>Pediococcus pentosaceus</i> Isolated from Fermented Fish. Food Science and Technology Research, 2015, 21, 739-744.	0.3	8
83	Broadâ€spectrum inhibition of proteolytic enzymes by allicin and application in mitigating textural deterioration of iceâ€stored grass carp ( <i>Ctenopharyngodon idella</i> ) fillets. International Journal of Food Science and Technology, 2016, 51, 902-910.	1.3	8
84	Effect of Pretreatments on Hydrolysis Efficiency and Antioxidative Activity of Hydrolysates Produced from Bighead Carp ( <i>Aristichthys nobilis</i> ). Journal of Aquatic Food Product Technology, 2016, 25, 916-927.	0.6	8
85	The Effects of Chitosan Coating on Biogenic Amines Inhibition and Microbial Succession of Refrigerated Grass Carp ( <i>Ctenopharyngodon idellus</i> ) Fillets. Journal of Aquatic Food Product Technology, 2017, 26, 1266-1279.	0.6	8
86	Effects of inoculating autochthonous starter cultures on biogenic amines accumulation of Chinese traditional fermented fish. Journal of Food Processing and Preservation, 2018, 42, e13694.	0.9	8
87	Effect of freezing methods on quality changes of grass carp during frozen storage. Journal of Food Process Engineering, 2020, 43, e13539.	1.5	8
88	Characterisation of dominant autochthonous strains for nitrite degradation of Chinese traditional fermented fish. International Journal of Food Science and Technology, 2018, 53, 2633-2641.	1.3	7
89	Effects of blanching on extraction and stability of anthocyanins from blueberry peel. Journal of Food Measurement and Characterization, 2020, 14, 2854-2861.	1.6	7
90	Effects of three carp species on texture, color, and aroma properties of Suan yu, a Chinese traditional fermented fish. Journal of Food Processing and Preservation, 2020, 44, e14403.	0.9	6

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91	Characteristics of silver carp surimi gel under high temperature (≥100 °C): quality changes, water distribution and protein pattern. International Journal of Food Science and Technology, 2022, 57, 4613-4627.	1.3	6
92	High hydrostatic pressure inactivation kinetics of the endogenous lipoxygenase in crude silver carp ( <i><scp>H</scp>ypophthalmichthys molitrix</i> ) extract. International Journal of Food Science and Technology, 2013, 48, 1142-1147.	1.3	5
93	Effects of washing and membrane removal pretreatments on the antioxidant properties of grass carp ( <i>Ctenopharyngodon idella</i> ) protein hydrolysates produced by <i>inÂvitro</i> digestion. International Journal of Food Science and Technology, 2017, 52, 1260-1268.	1.3	5
94	The impacts of salt with Chinese liquor on the inhibition of microbial spoilage and quality attributes of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets stored at $4\hat{A}^{\circ}$ C. Journal of Food Processing and Preservation, 2020, 44, e14817.	0.9	5
95	Effect of fermentation on immunological properties of allergens from black carp ( <i>Mylopharyngodon piceus</i> ) sausages. International Journal of Food Science and Technology, 2020, 55, 3162-3172.	1.3	5
96	Endogenous proteases in giant freshwater prawn ( <i>Macrobrachium rosenbergii</i> ): changes and its impacts on texture deterioration during frozen storage. International Journal of Food Science and Technology, 2021, 56, 5824-5832.	1.3	5
97	Impact of protein oxidation induced by different cooking methods in channel fish ( <i>letalurus) Tj ETQq1 1 0.7843 Science and Technology, 2022, 57, 6016-6027.</i>	314 rgBT / 1.3	Overlock 10 5
98	Acid-induced Gel Formation of Silver Carp (Hypophthalmichthys molitrix) Myofibrils as Affected by Salt Concentration. Food Science and Technology Research, 2013, 19, 295-301.	0.3	4
99	Preliminary Purification and Characterization of Adhesive Proteins from Freshwater Mussels. Journal of Adhesion, 2014, 90, 607-617.	1.8	4
100	Comparative Study on Nutritional Value and Fatty Acid Profiles of Brains and Eyes from Four Freshwater Fishes. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 1471-1476.	0.8	4
101	Changes in myofibrillar structure of silver carp ( <i>Hypophthalmichthys molitrix</i> ) as affected by endogenous proteolysis under acidic condition. International Journal of Food Science and Technology, 2016, 51, 2171-2177.	1.3	4
102	Improvement of Antioxidant Activity of Grass Carp (Ctenopharyngodon idella) Protein Hydrolysate by Washing and Membrane Removal Pretreatments and Ultrasonic Treatment. Journal of Aquatic Food Product Technology, 2018, 27, 580-591.	0.6	3
103	Assessment of gelatinolytic proteinases in chilled grass carp ( Ctenopharyngodon idellus ) fillets: characterization and contribution to texture softening. Journal of the Science of Food and Agriculture, 2021, , .	1.7	3
104	Influence of Drying Techniques on the Physicochemical, Nutritional, and Morphological Properties of Bighead Carp (Hypophthalmichthys nobilis) Fillets. Foods, 2021, 10, 2837.	1.9	3
105	Physicochemical and microbiological changes in postmortem crayfish ( <i>Procambarus clarkii</i> ) stored at 4 °C and 25 °C. International Journal of Food Science and Technology, 2022, 57, 2992-3000	1.3	3
106	The role of cathepsin L on structural changes of collagen fibers involved in textural deterioration of chilled grass carp ( <i>Ctenopharyngodon idella</i> ) fillets. Journal of the Science of Food and Agriculture, 2022, 102, 5858-5866.	1.7	3
107	Effect of immersion freezing with the edible medium on protein structure, chemical bonding and particle size in grass carp ( <i>Ctenopharyngodon idellus</i> ) during frozen storage. International journal of Food Science and Technology, 2022, 57, 6201-6210.	1.3	3
108	Preparation of High-Quality Fermented Fish Product. Journal of Visualized Experiments, 2019, , .	0.2	2

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109	Effect of Incorporated Surimi on the Wheat Dough Rheological Properties and Noodle Quality. Food Science and Technology Research, 2014, 20, 1191-1197.	0.3	1
110	Lipid Extracts from the Brains of Silver Carp ( $<$ i>Hypophthalmichthys molitrix $<$  i>) Induce Apoptosis in MCF-7 Cells through the Generation of Reactive Oxygen Species and the Mitochondrial Pathway. Nutrition and Cancer, 2017, 69, 1053-1061.	0.9	1
111	Protective effects of lipid extract from brains of silver carp against oxidative damage in HEK-293 cells. RSC Advances, 2017, 7, 30855-30861.	1.7	1
112	Prediction of the Thermophysical Properties of Bighead Carp (Aristichthys nobilis) Fillets After Curing and Deep-Fat Frying. Journal of Aquatic Food Product Technology, 2015, 24, 762-781.	0.6	0
113	Microbiological, physicochemical and structural characteristics of natural salted casings treated with antibacterial agents. International Journal of Food Science and Technology, 2022, 57, 4483-4494.	1.3	0