Yanjun Liu

List of Publications by Year in Descending Order

98 papers	1,052 citations	17 h-index	27 g-index
104 ext. papers	1,375 ext. citations	4.2 avg, IF	4.4 L-index

#	Paper	IF	Citations
98	Phosphatidylmannoside prevents obesity induced by high-fat feeding. *Food Bioscience*, **2022**, 46, 101537	4.9	
97	Antibacterial properties of cyclolinopeptides from flaxseed oil and their application on beef.. *Food Chemistry*, **2022**, 385, 132715	8.5	1
96	Hypolipidemic activity and safety evaluation of a rhamnan-type sulfated polysaccharide-chromium (III) complex.. *Journal of Trace Elements in Medicine and Biology*, **2022**, 72, 126982	4.1	0
95	Sialoglycoproteins isolated from the eggs of Carassius auratus alleviates CCL4-induced liver injury via downregulation of the IRE-JNF-B signaling pathway. *Journal of Food Biochemistry*, **2021**, 45, e13964	3.3	0
94	A comprehensive review of calcium and ferrous ions chelating peptides: Preparation, structure and transport pathways. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-13	11.5	0
93	Comparison of Different Molecular Forms of Astaxanthin in Inhibiting Lipogenesis and its Mechanism. *Current Pharmaceutical Biotechnology*, **2021**, 22, 1932-1941	2.6	2
92	Saponins from the Sea Cucumber Promote the Osteoblast Differentiation in MC3T3-E1 Cells through the Activation of the BMP2/ Smads Pathway. *Current Pharmaceutical Biotechnology*, **2021**, 22, 1942-1952	2.6	0
91	Peptides from Euphausia superba Promote Longitudinal Bone Growth by Accelerating Growth Plate Chondrocyte Proliferation and Hypertrophy. *Current Pharmaceutical Biotechnology*, **2021**, 22, 1866-1877	2.6	1
90	DHA-enriched phosphatidylcholine suppressed angiogenesis by activating PPARand modulating the VEGFR2/Ras/ERK pathway in human umbilical vein endothelial cells. *Food Science and Biotechnology*, **2021**, 30, 1543-1553	3	2
89	A Novel Sialoglycopeptide from Eggs Prevents Liver Fibrosis Induced by CCl via Downregulating FXR/FGF15 and TLR4/TGF-JSmad Pathways. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 13093-13101	5.7	3
88	Carrageenan Tetrasaccharide from Carrageenan Inhibits Islet Cell Apoptosis Via the Upregulation of GLP-1 to Inhibit the Mitochondrial Apoptosis Pathway. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 212-222	5.7	3
87	Exogenous phosphatidylglucoside alleviates cognitive impairment by improvement of neuroinflammation, and neurotrophin signaling. *Clinical and Translational Medicine*, **2021**, 11, e332	5.7	1
86	Intestinal Anti-Inflammatory Effects of Selenized Polysaccharides in a Dextran Sulfate Sodium-Induced Inflammatory Bowel Disease Model. *Journal of Medicinal Food*, **2021**, 24, 236-247	2.8	1
85	Study on the effects of the different polar group of EPA-enriched phospholipids on the proliferation and apoptosis in 95D cells. *Marine Life Science and Technology*, **2021**, 3, 519-528	4.5	
84	Plasmalogen attenuates the development of hepatic steatosis and cognitive deficit through mechanism involving p75NTR inhibition. *Redox Biology*, **2021**, 43, 102002	11.3	4
83	YRL577 ameliorates markers of non-alcoholic fatty liver and alters expression of genes within the intestinal bile acid pathway. *British Journal of Nutrition*, **2021**, 125, 521-529	3.6	5
82	YRL577 combined with plant extracts reduce markers of non-alcoholic fatty liver disease in mice. *British Journal of Nutrition*, **2021**, 125, 1081-1091	3.6	1

81	Structure-function relationship analysis of fucoidan from sea cucumber (Holothuria tubulosa) on ameliorating metabolic inflammation. *Journal of Food Biochemistry*, **2021**, 45, e13500	3.3	3
80	A low proportion n-6/n-3 PUFA diet supplemented with Antarctic krill () oil protects against osteoarthritis by attenuating inflammation in ovariectomized mice. *Food and Function*, **2021**, 12, 6766-6779	6.1	3
79	Sea urchin gangliosides exhibit neuritogenic effects in neuronal PC12 cells via TrkA- and TrkB-related pathways. *Bioscience, Biotechnology and Biochemistry*, **2021**, 85, 675-686	2.1	2
78	Fucoidans from Thelenota ananas with 182.4 kDa Exhibited Optimal Anti-Adipogenic Activities by Modulating the Wnt/Catenin Pathway. *Journal of Ocean University of China*, **2021**, 20, 921-930	1	
77	Different n-6/n-3 PUFA diets with fish oil attenuated osteoarthritis in ovariectomized mice via targeting the NLRP3 inflammasome. *Food Bioscience*, **2021**, 45, 101220	4.9	1
76	Comparative Study of DHA with Different Molecular Forms for Ameliorating Osteoporosis by Promoting Chondrocyte-to-Osteoblast Transdifferentiation in the Growth Plate of Ovariectomized Mice. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 10562-10571	5.7	3
75	Novel Carrageenan Tetrasaccharide Alleviates Liver Lipid Accumulation via the Bile Acid-FXR-SHP/PXR Pathway to Regulate Cholesterol Conversion and Fatty Acid Metabolism in Insulin-Resistant Mice. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 9813-9821	5.7	3
74	DHA/EPA-Enriched Phosphatidylcholine Suppresses Tumor Growth and Metastasis via Activating Peroxisome Proliferator-Activated Receptor In Lewis Lung Cancer Mice. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 676-685	5.7	3
73	Effects of Edible Oils with Different n-6/n-3 PUFA Ratios on Articular Cartilage Degeneration via Regulating the NF-B Signaling Pathway. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 12641-12650	5.7	6
72	The exogenous natural phospholipids, EPA-PC and EPA-PE, contribute to ameliorate inflammation and promote macrophage polarization. *Food and Function*, **2020**, 11, 6542-6551	6.1	2
71	Hydrophilic Astaxanthin: PEGylated Astaxanthin Fights Diabetes by Enhancing the Solubility and Oral Absorbability. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 3649-3655	5.7	12
70	Enzymatic Synthesis of Ether Lipids Rich in Docosahexaenoic Acid with Squalene as Reaction Medium. *JAOCS, Journal of the American Oil ChemistssSociety*, **2020**, 97, 135-140	1.8	1
69	Maternal diet with sea urchin gangliosides promotes neurodevelopment of young offspring enhancing NGF and BDNF expression. *Food and Function*, **2020**, 11, 9912-9923	6.1	3
68	Exogenous natural EPA-enriched phosphatidylcholine and phosphatidylethanolamine ameliorate lipid accumulation and insulin resistance activation of PPAR in mice. *Food and Function*, **2020**, 11, 8248-8258	6.1	7
67	The opposite effects of Antarctic krill oil and arachidonic acid-rich oil on bone resorption in ovariectomized mice. *Food and Function*, **2020**, 11, 7048-7060	6.1	7
66	Preparation and effects on neuronal nutrition of plasmenylethonoamine and plasmanylcholine from the mussel. *Bioscience, Biotechnology and Biochemistry*, **2020**, 84, 380-392	2.1	5
65	Sialoglycoproteins Isolated from the Eggs of Gadus morhua Inhibit Bone Resorption in Ovariectomized Rats by Suppressing the MAPK and NF-B Pathways. *Journal of Ocean University of China*, **2019**, 18, 1174-1184	1	0
64	Arsenic Speciation of Edible Shrimp by High-Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometry (HPLC-ICP-MS): Method Development and Health Assessment. *Analytical Letters*, **2019**, 52, 2266-2282	2.2	8

63	Hypoglycemic activity and mechanism of the sulfated rhamnose polysaccharides chromium(III) complex in type 2 diabetic mice. *Bioorganic Chemistry*, **2019**, 88, 102942	5.1	17
62	Antarctic krill oil promotes longitudinal bone growth in adolescent male mice. *Food Bioscience*, **2019**, 28, 170-176	4.9	3
61	Sialoglycoprotein isolated from Carassius auratus eggs promotes osteogenesis by stimulating mesenchymal stem cells to commit to osteoblast differentiation. *Cell and Tissue Research*, **2019**, 376, 365-376	4.2	3
60	Peptides from Antarctic Krill (Euphausia superba) Improve Osteoarthritis via Inhibiting HIF-2Mediated Death Receptor Apoptosis and Metabolism Regulation in Osteoarthritic Mice. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 3125-3133	5.7	8
59	Egg oil from alleviates insulin resistance through activation of insulin signaling in mice. *Applied Physiology, Nutrition and Metabolism*, **2019**, 44, 1081-1088	3	4
58	Isolation and Characterization of a Novel Sialoglycopeptide Promoting Osteogenesis from Eggs. *Molecules*, **2019**, 25,	4.8	3
57	Oil from Antarctic krill () facilitates bone formation in dexamethasone-treated mice. *Food Science and Biotechnology*, **2019**, 28, 539-545	3	8
56	Structure characterization of low molecular weight sulfate Ulva polysaccharide and the effect of its derivative on iron deficiency anemia. *International Journal of Biological Macromolecules*, **2019**, 126, 747-754	7.9	19
55	Eicosapentaenoic acid-containing phosphatidylcholine promotes osteogenesis:mechanism of up-regulating Runx2 and ERK-mediated phosphorylation of PPARat serine 112. *Journal of Functional Foods*, **2019**, 52, 73-80	5.1	8
54	Structure characterization and antitumor activity of the extracellular polysaccharide from the marine fungus Hansfordia sinuosae. *Carbohydrate Polymers*, **2018**, 190, 87-94	10.3	33
53	Effect of thermal processing towards lipid oxidation and non-enzymatic browning reactions of Antarctic krill (Euphausia superba) meal. *Journal of the Science of Food and Agriculture*, **2018**, 98, 5257-5268	4.2	8
52	Lipid Degradation During Salt-Fermented Antarctic Krill Paste Processing and Their Relationship With Lipase and Phospholipase Activities. *European Journal of Lipid Science and Technology*, **2018**, 120, 1700443	3	2
51	Sialoglycoprotein isolated from eggs of Carassius auratus promotes fracture healing in osteoporotic mice. *Journal of Food and Drug Analysis*, **2018**, 26, 716-724	7	4
50	Neuritogenic effect of sea cucumber glucocerebrosides on NGF-induced PC12 cells via activation of the TrkA/CREB/BDNF signalling pathway. *Journal of Functional Foods*, **2018**, 46, 175-184	5.1	9
49	Reaction Specificity of Phospholipase D Prepared from Acinetobacter radioresistens a2 in Transphosphatidylation. *Lipids*, **2018**, 53, 517-526	1.6	5
48	A novel low molecular weight Enteromorpha polysaccharide-iron (III) complex and its effect on rats with iron deficiency anemia (IDA). *International Journal of Biological Macromolecules*, **2018**, 108, 412-418	7.9	30
47	Sialoglycoprotein isolated from Carassius auratus eggs promotes osteoblast differentiation via targeting the p38 mitogen-activated protein kinase-dependent Wnt/catenin and BMP2/Smads pathways. *Journal of Food Biochemistry*, **2018**, 42, e12465	3.3	1
46	Docosahexaenoic acid-containing phosphatidylcholine induced osteoblastic differentiation by modulating key transcription factors. *Journal of Food Biochemistry*, **2018**, 42, e12661	3.3	3

45	Sialoglycoprotein from eggs improve high bone turnover activity via down-regulating BMP-2/Smads and Wnt/Ecatenin signal pathways. *Food Science and Biotechnology*, **2018**, 27, 1455-1465	3	4
44	Antarctic Krill Oil improves articular cartilage degeneration via activating chondrocyte autophagy and inhibiting apoptosis in osteoarthritis mice. *Journal of Functional Foods*, **2018**, 46, 413-422	5.1	13
43	Gastric Protective Activities of Sea Cucumber Fucoidans with Different Molecular Weight and Chain Conformations: A Structure-Activity Relationship Investigation. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 8615-8622	5.7	20
42	Enzymatic synthesis of lysophosphatidylcholine with n-3 polyunsaturated fatty acid from sn-glycero-3-phosphatidylcholine in a solvent-free system. *Food Chemistry*, **2017**, 226, 165-170	8.5	8
41	Sialoglycoprotein isolated from the eggs of Gadus morhua enhances fracture healing in osteoporotic mice. *Food and Function*, **2017**, 8, 1094-1104	6.1	16
40	Eicosapentaenoic acid-enriched phospholipids improve atherosclerosis by mediating cholesterol metabolism. *Journal of Functional Foods*, **2017**, 32, 90-97	5.1	38
39	Renoprotective effect of fucoidan from Acaudina molpadioides in streptozotocin/high fat diet-induced type 2 diabetic mice. *Journal of Functional Foods*, **2017**, 31, 123-130	5.1	16
38	Long-chain bases from sea cucumber mitigate endoplasmic reticulum stress and inflammation in obesity mice. *Journal of Food and Drug Analysis*, **2017**, 25, 628-636	7	8
37	Peptides from Antarctic krill (Euphausia superba) ameliorate senile osteoporosis via activating osteogenesis related BMP2/Smads and Wnt/Ecatenin pathway. *Journal of Food Biochemistry*, **2017**, 41, e12381	3.3	5
36	Identification of a novel phospholipase D with high transphosphatidylation activity and its application in synthesis of phosphatidylserine and DHA-phosphatidylserine. *Journal of Biotechnology*, **2017**, 249, 51-58	3.7	21
35	Eicosapentaenoic Acid-Enriched Phosphatidylcholine Attenuated Hepatic Steatosis Through Regulation of Cholesterol Metabolism in Rats with Nonalcoholic Fatty Liver Disease. *Lipids*, **2017**, 52, 119-127	1.6	10
34	Mechanism of Phospholipid Hydrolysis for Oyster Crassostrea plicatula Phospholipids During Storage Using Shotgun Lipidomics. *Lipids*, **2017**, 52, 1045-1058	1.6	18
33	Phosphorylated peptides from Antarctic Krill (Euphausia superba) improve fracture healing in mice with ovariectomy induced osteoporosis. *Journal of Food Biochemistry*, **2017**, 41, e12408	3.3	4
32	Preparation, Gel Electrophoresis Analysis, and Nutritional Evaluation of a Functional Krill Protein Concentrate with Low Fluoride Level from Antarctic krill (Euphausia superba). *Journal of Aquatic Food Product Technology*, **2017**, 26, 958-968	1.6	0
31	Fucoidan from sea cucumber Cucumaria frondosa exhibits anti-hyperglycemic effects in insulin resistant mice via activating the PI3K/PKB pathway and GLUT4. *Journal of Bioscience and Bioengineering*, **2016**, 121, 36-42	3.3	30
30	Green Synthesis of Oxovanadium(IV)/chitosan Nanocomposites and Its Ameliorative Effect on Hyperglycemia, Insulin Resistance, and Oxidative Stress. *Biological Trace Element Research*, **2016**, 169, 310-9	4.5	5
29	Assessment of total and organic vanadium levels and their bioaccumulation in edible sea cucumbers: tissues distribution, inter-species-specific, locational differences and seasonal variations. *Environmental Geochemistry and Health*, **2016**, 38, 111-22	4.7	7
28	Sialoglycoprotein isolated from the eggs of Carassius auratus prevents bone loss: an effect associated with the regulation of gut microbiota in ovariectomized rats. *Food and Function*, **2016**, 7, 4764-4771	6.1	12

27	Long-chain bases from inhibit adipogenesis and regulate lipid metabolism in 3T3-L1 adipocytes. *Food Science and Biotechnology*, **2016**, 25, 1753-1760	3	8
26	Sialoglycoproteins prepared from the eggs of Carassius auratus prevent bone loss by inhibiting the NF-B pathway in ovariectomized rats. *Food and Function*, **2016**, 7, 704-12	6.1	17
25	Fucoidan from sea cucumber may improve hepatic inflammatory response and insulin resistance in mice. *International Immunopharmacology*, **2016**, 31, 15-23	5.8	39
24	Enrichment, Distribution of Vanadium-Containing Protein in Vanadium-Enriched Sea Cucumber Apostichopus japonicus and the Ameliorative Effect on Insulin Resistance. *Biological Trace Element Research*, **2016**, 171, 167-75	4.5	7
23	Long-term fatty liver-induced insulin resistance in orotic acid-induced nonalcoholic fatty liver rats. *Bioscience, Biotechnology and Biochemistry*, **2016**, 80, 735-43	2.1	9
22	Effect and potential mechanism of action of sea cucumber saponins on postprandial blood glucose in mice. *Bioscience, Biotechnology and Biochemistry*, **2016**, 80, 1081-7	2.1	5
21	Sialoglycoprotein Isolated from Eggs of Carassius auratus Ameliorates Osteoporosis: An Effect Associated with Regulation of the Wnt/Catenin Pathway in Rodents. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 2875-82	5.7	17
20	Fucoidan from protects pancreatic islet against cell apoptosis via inhibition of inflammation in type 2 diabetic mice. *Food Science and Biotechnology*, **2016**, 25, 293-300	3	8
19	Eicosapentaenoic acid-containing phosphatidylcholine alleviated lipid accumulation in orotic acid-induced non-alcoholic fatty liver. *Journal of Functional Foods*, **2016**, 23, 294-305	5.1	19
18	Purification and identification of 2,3 linked sialoglycoprotein and 2,6 linked sialoglycoprotein in edible bird's nest. *European Food Research and Technology*, **2015**, 240, 389-397	3.4	14
17	Preparation and anti-osteoporotic activities in vivo of phosphorylated peptides from Antarctic krill (Euphausia superba). *Peptides*, **2015**, 68, 239-45	3.8	16
16	Ameliorative effect of vanadyl(IV)-ascorbate complex on high-fat high-sucrose diet-induced hyperglycemia, insulin resistance, and oxidative stress in mice. *Journal of Trace Elements in Medicine and Biology*, **2015**, 32, 155-61	4.1	14
15	Vanadium-binding protein from vanadium-enriched sea cucumber Apostichopus japonicus inhibits adipocyte differentiation through activating WNT/catenin pathway. *Journal of Functional Foods*, **2015**, 17, 504-513	5.1	13
14	Fucoidan isolated from the sea cucumber Acaudina molpadioides improves insulin resistance in adipocytes via activating PKB/GLUT4 pathway. *European Food Research and Technology*, **2015**, 240, 753-761	3.4	7
13	Determination of trace vanadium in sea cucumbers by ultrasound-assisted cloud point extraction and graphite furnace atomic absorption spectrometry. *International Journal of Environmental Analytical Chemistry*, **2015**, 95, 258-270	1.8	14
12	Preparation of Triacylglycerols Enriched in DHA from Single Cell Glycerides via Molecular Distillation and Enzymatic Glycerolysis. *Journal of Aquatic Food Product Technology*, **2015**, 24, 796-806	1.6	10
11	Phosphorylated Peptides from Antarctic Krill (Euphausia superba) Prevent Estrogen Deficiency Induced Osteoporosis by Inhibiting Bone Resorption in Ovariectomized Rats. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 9550-7	5.7	30
10	Inhibitory effect of fucosylated chondroitin sulfate from the sea cucumber Acaudina molpadioides on adipogenesis is dependent on Wnt/catenin pathway. *Journal of Bioscience and Bioengineering*, **2015**, 119, 85-91	3.3	23

9	Production of Structured Triacylglycerols Containing Palmitic Acids at sn-2 Position and Docosahexaenoic Acids at sn-1, 3 Positions. *Journal of Oleo Science*, **2015**, 64, 1227-34	1.6	5
8	Hpyerglycemic effect of a mixture of sea cucumber and cordyceps sinensis in streptozotocin-induced diabetic rat. *Journal of Ocean University of China*, **2014**, 13, 271-277	1	5
7	Eicosapentaenoic acid-enriched phosphatidylcholine isolated from Cucumaria frondosa exhibits anti-hyperglycemic effects via activating phosphoinositide 3-kinase/protein kinase B signal pathway. *Journal of Bioscience and Bioengineering*, **2014**, 117, 457-63	3.3	23
6	The effects of fucosylated chondroitin sulfate isolated from Isostichopus badionotus on antimetastatic activity via down-regulation of Hif-1 and Hpa. *Food Science and Biotechnology*, **2014**, 23, 1643-1651	3	5
5	Comparative study of DHA-enriched phospholipids and EPA-enriched phospholipids on metabolic disorders in diet-induced-obese C57BL/6J mice. *European Journal of Lipid Science and Technology*, **2014**, 116, 255-265	3	50
4	Eicosapentaenoic acid-enriched phospholipid ameliorates insulin resistance and lipid metabolism in diet-induced-obese mice. *Lipids in Health and Disease*, **2013**, 12, 109	4.4	90
3	Antioxidation activities of low-molecular-weight gelatin hydrolysate isolated from the sea cucumber Stichopus japonicus. *Journal of Ocean University of China*, **2010**, 9, 94-98	1	22
2	Antioxidant and melanogenesis-inhibitory activities of collagen peptide from jellyfish (Rhopilema esculentum). *Journal of the Science of Food and Agriculture*, **2009**, 89, 1722-1727	4.3	66
1	A rapid quantitative method for polysaccharides in green tea and oolong tea. *European Food Research and Technology*, **2008**, 226, 691-696	3.4	17