Yanjun Liu

List of Publications by Year in descending order

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101	1,652	20	32
papers	citations	h-index	g-index
104	104	104	1563 citing authors
all docs	docs citations	times ranked	

#	Article	IF	CITATIONS
1	Eicosapentaenoic acid-enriched phospholipid ameliorates insulin resistance and lipid metabolism in diet-induced-obese mice. Lipids in Health and Disease, 2013, 12, 109.	1.2	104
2	Antioxidant and melanogenesisâ€inhibitory activities of collagen peptide from jellyfish (<i>Rhopilema) Tj ETQq0</i>	0 Q.rgBT	/Overlock 10 T
3	Comparative study of DHAâ€enriched phospholipids and EPAâ€enriched phospholipids on metabolic disorders in dietâ€inducedâ€obese C57BL/6J mice. European Journal of Lipid Science and Technology, 2014, 116, 255-265.	1.0	61
4	Fucoidan from sea cucumber may improve hepatic inflammatory response and insulin resistance in mice. International Immunopharmacology, 2016, 31, 15-23.	1.7	55
5	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.	3.6	52
6	Structure characterization and antitumor activity of the extracellular polysaccharide from the marine fungus Hansfordia sinuosae. Carbohydrate Polymers, 2018, 190, 87-94.	5.1	49
7	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.	1.1	45
8	Eicosapentaenoic acid-enriched phospholipids improve atherosclerosis by mediating cholesterol metabolism. Journal of Functional Foods, 2017, 32, 90-97.	1.6	44
9	Phosphorylated Peptides from Antarctic Krill (<i>Euphausia superba</i>) Prevent Estrogen Deficiency Induced Osteoporosis by Inhibiting Bone Resorption in Ovariectomized Rats. Journal of Agricultural and Food Chemistry, 2015, 63, 9550-9557.	2.4	39
10	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.	2.4	38
11	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.	3.6	33
12	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.	0.6	32
13	Inhibitory effect of fucosylated chondroitin sulfate from the sea cucumber Acaudina molpadioides on adipogenesis is dependent on Wnt/ \hat{l}^2 -catenin pathway. Journal of Bioscience and Bioengineering, 2015, 119, 85-91.	1.1	30
14	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.	1.9	29
15	Hypoglycemic activity and mechanism of the sulfated rhamnose polysaccharides chromium(III) complex in type 2 diabetic mice. Bioorganic Chemistry, 2019, 88, 102942.	2.0	28
16	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, 457-463.	1.1	27
17	Preparation and anti-osteoporotic activities in vivo of phosphorylated peptides from Antarctic krill (Euphausia superba). Peptides, 2015, 68, 239-245.	1.2	25
18	Mechanism of Phospholipid Hydrolysis for Oyster <i>Crassostrea plicatula</i> Phospholipids During Storage Using Shotgun Lipidomics. Lipids, 2017, 52, 1045-1058.	0.7	24

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19	Effect of thermal processing towards lipid oxidation and nonâ€enzymatic browning reactions of Antarctic krill (⟨i⟩Euphausia superba⟨/i⟩) meal. Journal of the Science of Food and Agriculture, 2018, 98, 5257-5268.	1.7	24
20	Eicosapentaenoic acid-containing phosphatidylcholine alleviated lipid accumulation in orotic acid-induced non-alcoholic fatty liver. Journal of Functional Foods, 2016, 23, 294-305.	1.6	23
21	Sialoglycoprotein Isolated from Eggs of <i>Carassius auratus</i> Ameliorates Osteoporosis: An Effect Associated with Regulation of the Wnt/ $\hat{\Gamma}^2$ -Catenin Pathway in Rodents. Journal of Agricultural and Food Chemistry, 2016, 64, 2875-2882.	2.4	22
22	Hydrophilic Astaxanthin: PEGylated Astaxanthin Fights Diabetes by Enhancing the Solubility and Oral Absorbability. Journal of Agricultural and Food Chemistry, 2020, 68, 3649-3655.	2.4	22
23	Sialoglycoproteins prepared from the eggs of Carassius auratus prevent bone loss by inhibiting the NF- \hat{I}° B pathway in ovariectomized rats. Food and Function, 2016, 7, 704-712.	2.1	21
24	Sialoglycoprotein isolated from the eggs of Gadus morhua enhances fracture healing in osteoporotic mice. Food and Function, 2017, 8, 1094-1104.	2.1	21
25	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, 155-161.	1.5	20
26	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.	1.6	20
27	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.	2.1	19
28	Exogenous natural EPA-enriched phosphatidylcholine and phosphatidylethanolamine ameliorate lipid accumulation and insulin resistance <i>via</i> activation of PPARα/γ in mice. Food and Function, 2020, 11, 8248-8258.	2.1	19
29	A comprehensive review of calcium and ferrous ions chelating peptides: Preparation, structure and transport pathways. Critical Reviews in Food Science and Nutrition, 2023, 63, 4418-4430.	5.4	19
30	A rapid quantitative method for polysaccharides in green tea and oolong tea. European Food Research and Technology, 2008, 226, 691-696.	1.6	18
31	The opposite effects of <i>Antarctic krill</i> oil and arachidonic acid-rich oil on bone resorption in ovariectomized mice. Food and Function, 2020, 11, 7048-7060.	2.1	18
32	Novel ι-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.	2.4	18
33	Purification and identification of α 2–3 linked sialoglycoprotein and α 2–6 linked sialoglycoprotein in edible bird's nest. European Food Research and Technology, 2015, 240, 389-397.	1.6	17
34	Peptides from Antarctic Krill (<i>Euphausia superba</i>) Improve Osteoarthritis via Inhibiting HIF-2α-Mediated Death Receptor Apoptosis and Metabolism Regulation in Osteoarthritic Mice. Journal of Agricultural and Food Chemistry, 2019, 67, 3125-3133.	2.4	17
35	Vanadium-binding protein from vanadium-enriched sea cucumber Apostichopus japonicus inhibits adipocyte differentiation through activating WNT \hat{l}^2 -catenin pathway. Journal of Functional Foods, 2015, 17, 504-513.	1.6	16
36	Effects of Edible Oils with Different n-6/n-3 PUFA Ratios on Articular Cartilage Degeneration via Regulating the NF-κB Signaling Pathway. Journal of Agricultural and Food Chemistry, 2020, 68, 12641-12650.	2.4	16

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37	DHA/EPA-Enriched Phosphatidylcholine Suppresses Tumor Growth and Metastasis via Activating Peroxisome Proliferator-Activated Receptor I ³ in Lewis Lung Cancer Mice. Journal of Agricultural and Food Chemistry, 2021, 69, 676-685.	2.4	16
38	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	15
39	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.	1.6	15
40	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.	1.6	15
41	<i>Lactobacillus casei</i> 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.	1.2	15
42	Plasmalogen attenuates the development of hepatic steatosis and cognitive deficit through mechanism involving p75NTR inhibition. Redox Biology, 2021, 43, 102002.	3.9	15
43	A Novel Sialoglycopeptide from <i>Gadus morhua</i> Eggs Prevents Liver Fibrosis Induced by CCl ₄ via Downregulating FXR/FGF15 and TLR4/TGF-β/Smad Pathways. Journal of Agricultural and Food Chemistry, 2021, 69, 13093-13101.	2.4	15
44	Long-term fatty liver-induced insulin resistance in orotic acid-induced nonalcoholic fatty liver rats. Bioscience, Biotechnology and Biochemistry, 2016, 80, 735-743.	0.6	13
45	Enzymatic synthesis of lysophosphatidylcholine with nâ^3 polyunsaturated fatty acid from sn-glycero-3-phosphatidylcholine in a solvent-free system. Food Chemistry, 2017, 226, 165-170.	4.2	13
46	A low proportion n-6/n-3 PUFA diet supplemented with Antarctic krill (<i>Euphausia superba</i>) oil protects against osteoarthritis by attenuating inflammation in ovariectomized mice. Food and Function, 2021, 12, 6766-6779.	2.1	13
47	Eicosapentaenoic Acidâ€Enriched Phosphatidylcholine Attenuated Hepatic Steatosis Through Regulation of Cholesterol Metabolism in Rats with Nonalcoholic Fatty Liver Disease. Lipids, 2017, 52, 119-127.	0.7	12
48	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.	1.0	12
49	Isolation and Characterization of a Novel Sialoglycopeptide Promoting Osteogenesis from Gadus morhua Eggs. Molecules, 2020, 25, 156.	1.7	12
50	Structure–function relationship analysis of fucoidan from sea cucumber (<i>Holothuria) Tj ETQq0 0 0 rgBT /C</i>	Overlock 1(1.2	O Tf 50 222 To
51	Intestinal Anti-Inflammatory Effects of Selenized <i>Ulva pertusa</i> Polysaccharides in a Dextran Sulfate Sodium-Induced Inflammatory Bowel Disease Model. Journal of Medicinal Food, 2021, 24, 236-247.	0.8	12
52	Hepatoprotective effects of sea cucumber ether-phospholipids against alcohol-induced lipid metabolic dysregulation and oxidative stress in mice. Food and Function, 2022, 13, 2791-2804.	2.1	12
53	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.	0.6	11
54	Long-chain bases from Cucumaria frondosa inhibit adipogenesis and regulate lipid metabolism in 3T3-L1 adipocytes. Food Science and Biotechnology, 2016, 25, 1753-1760.	1.2	11

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55	Eicosapentaenoic acid-containing phosphatidylcholine promotes osteogenesis:mechanism of up-regulating Runx2 and ERK-mediated phosphorylation of PPAR \hat{I}^3 at serine 112. Journal of Functional Foods, 2019, 52, 73-80.	1.6	11
56	The exogenous natural phospholipids, EPA-PC and EPA-PE, contribute to ameliorate inflammation and promote macrophage polarization. Food and Function, 2020, 11, 6542-6551.	2.1	11
57	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, 167-175.	1.9	10
58	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.	0.9	10
59	Oil from Antarctic krill (Euphausia superba) facilitates bone formation in dexamethasone-treated mice. Food Science and Biotechnology, 2019, 28, 539-545.	1.2	10
60	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.	2.4	10
61	Reaction Specificity of Phospholipase D Prepared from <i>Acinetobacter radioresistens a2</i> i> in Transphosphatidylation. Lipids, 2018, 53, 517-526.	0.7	9
62	\hat{l}^1 -Carrageenan Tetrasaccharide from \hat{l}^1 -Carrageenan Inhibits Islet \hat{l}^2 Cell Apoptosis Via the Upregulation of GLP-1 to Inhibit the Mitochondrial Apoptosis Pathway. Journal of Agricultural and Food Chemistry, 2021, 69, 212-222.	2.4	9
63	Novel peptides from sea cucumber intestinal hydrolysates promote longitudinal bone growth in adolescent mice through accelerating cell cycle progress by regulating glutamine metabolism. Food and Function, 2022, 13, 7730-7739.	2.1	9
64	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.	1.6	8
65	Fucoidan from Acaudina molpadioides protects pancreatic islet against cell apoptosis via inhibition of inflammation in type 2 diabetic mice. Food Science and Biotechnology, 2016, 25, 293-300.	1.2	8
66	Effect and potential mechanism of action of sea cucumber saponins on postprandial blood glucose in mice. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1081-1087.	0.6	8
67	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, 111-122.	1.8	8
68	The effects of fucosylated chondroitin sulfate isolated from Isostichopus badionotus on antimetastatic activity via down-regulation of Hif- $1\hat{l}\pm$ and Hpa. Food Science and Biotechnology, 2014, 23, 1643-1651.	1.2	7
69	Peptides from Antarctic krill (Euphausia superba) ameliorate senile osteoporosis via activating osteogenesis related BMP2/Smads and Wnt/ \hat{l}^2 -catenin pathway. Journal of Food Biochemistry, 2017, 41, e12381.	1.2	7
70	Sialoglycoprotein isolated from eggs of Carassius auratus promotes fracture healing in osteoporotic mice. Journal of Food and Drug Analysis, 2018, 26, 716-724.	0.9	7
71	Preparation and effects on neuronal nutrition of plasmenylethonoamine and plasmanylcholine from the mussel <i>Mytilus edulis</i> . Bioscience, Biotechnology and Biochemistry, 2020, 84, 380-392.	0.6	7
72	Maternal diet with sea urchin gangliosides promotes neurodevelopment of young offspring via enhancing NGF and BDNF expression. Food and Function, 2020, 11, 9912-9923.	2.1	7

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73	Lactobacillus casei YRL577 combined with plant extracts reduce markers of non-alcoholic fatty liver disease in mice. British Journal of Nutrition, 2021, 125, 1081-1091.	1.2	7
74	DHA-enriched phosphatidylcholine suppressed angiogenesis by activating PPARγ and modulating the VEGFR2/Ras/ERK pathway in human umbilical vein endothelial cells. Food Science and Biotechnology, 2021, 30, 1543-1553.	1.2	7
75	Comparative study of holothurin A and echinoside A on inhibiting the high bone turnover <i>via</i> downregulating PI3K/AKT/β-catenin and OPG/RANKL/NF-κB signaling in ovariectomized mice. Food and Function, 2022, 13, 4748-4756.	2.1	7
76	Antibacterial properties of cyclolinopeptides from flaxseed oil and their application on beef. Food Chemistry, 2022, 385, 132715.	4.2	7
77	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.	0.6	6
78	Production of Structured Triacylglycerols Containing Palmitic Acids at <i>sn</i> -2 Position and Docosahexaenoic Acids at <i>sn</i> -1, 3 Positions. Journal of Oleo Science, 2015, 64, 1227-1234.	0.6	6
79	Green Synthesis of Oxovanadium(IV)/chitosan Nanocomposites and Its Ameliorative Effect on Hyperglycemia, Insulin Resistance, and Oxidative Stress. Biological Trace Element Research, 2016, 169, 310-319.	1.9	6
80	Phosphorylated peptides from Antarctic Krill (<i>Euphausia superba</i>) improve fracture healing in mice with ovariectomy induced osteoporosis. Journal of Food Biochemistry, 2017, 41, e12408.	1.2	6
81	Lipid Degradation During Saltâ€Fermented Antarctic Krill Paste Processing and Their Relationship With Lipase and Phospholipase Activities. European Journal of Lipid Science and Technology, 2018, 120, 1700443.	1.0	6
82	Egg oil from Portunus trituberculatus alleviates insulin resistance through activation of insulin signaling in mice. Applied Physiology, Nutrition and Metabolism, 2019, 44, 1081-1088.	0.9	5
83	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.	0.9	5
84	Peptides from Euphausia superba Promote Longitudinal Bone Growth by Accelerating Growth Plate Chondrocyte Proliferation and Hypertrophy. Current Pharmaceutical Biotechnology, 2021, 22, 1866-1877.	0.9	5
85	Sialoglycoprotein from Gadous morhua eggs improve high bone turnover activity via down-regulating BMP-2/Smads and Wnt/l²-catenin signal pathways. Food Science and Biotechnology, 2018, 27, 1455-1465.	1.2	4
86	Antarctic krill oil promotes longitudinal bone growth in adolescent male mice. Food Bioscience, 2019, 28, 170-176.	2.0	4
87	Exogenous phosphatidylglucoside alleviatesÂcognitive impairment by improvement of neuroinflammation, and neurotrophin signaling. Clinical and Translational Medicine, 2021, 11, e332.	1.7	4
88	Sialoglycoproteins isolated from the eggs of <i>Carassius auratus</i> alleviates CCL4â€induced liver injury via downregulation of the IREâ€i±/NFâ€i® signaling pathway. Journal of Food Biochemistry, 2021, 45, e13964.	1.2	4
89	Docosahexaenoic acidâ€containing phosphatidylcholine induced osteoblastic differentiation by modulating key transcription factors. Journal of Food Biochemistry, 2018, 42, e12661.	1.2	3
90	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.	1.5	3

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91	Sea urchin gangliosides exhibit neuritogenic effects in neuronal PC12 cells via TrkA- and TrkB-related pathways. Bioscience, Biotechnology and Biochemistry, 2021, 85, 675-686.	0.6	3
92	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.	0.6	2
93	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.	2.0	2
94	Comparison of different molecular forms of astaxanthin in inhibiting lipogenesis and its mechanism. Current Pharmaceutical Biotechnology, 2020, 21, 1932-1941.	0.9	2
95	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.	1.5	2
96	Sialoglycoprotein isolated from Carassius auratus eggs promotes osteoblast differentiation via targeting the p38 mitogen-activated protein kinase-dependent Wnt/ \hat{l}^2 -catenin and BMP2/Smads pathways. Journal of Food Biochemistry, 2018, 42, e12465.	1.2	1
97	Sialoglycoproteins Isolated from the Eggs of Gadus morhua Inhibit Bone Resorption in Ovariectomized Rats by Suppressing the MAPK and NF-κB Pathways. Journal of Ocean University of China, 2019, 18, 1174-1184.	0.6	1
98	Enzymatic Synthesis of Ether Lipids Rich in Docosahexaenoic Acid with Squalene as Reaction Medium. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 135-140.	0.8	1
99	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.	1.8	1
100	Fucoidans from Thelenota ananas with 182.4 kDa Exhibited Optimal Anti-Adipogenic Activities by Modulating the Wnt/ \hat{l}^2 -Catenin Pathway. Journal of Ocean University of China, 2021, 20, 921-930.	0.6	0
101	Phosphatidylmannoside prevents obesity induced by high-fat feeding. Food Bioscience, 2022, 46, 101537.	2.0	O