

# Chang-Hu Xue

## List of Publications by Citations

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96

papers

1,794

citations

22

h-index

38

g-index

104

ext. papers

2,291

ext. citations

5.1

avg. IF

5.08

L-index

#	Paper	IF	Citations
96	Dietary trimethylamine N-oxide exacerbates impaired glucose tolerance in mice fed a high fat diet. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 118, 476-81	3.3	191
95	Chemical characters and antioxidative properties of sulfated polysaccharides from <i>Laminaria japonica</i> . <i>Journal of Applied Phycology</i> , <b>2001</b> , 13, 67-70	3.2	101
94	Health benefits of dietary marine DHA/EPA-enriched glycerophospholipids. <i>Progress in Lipid Research</i> , <b>2019</b> , 75, 100997	14.3	92
93	Eicosapentaenoic acid-enriched phospholipid ameliorates insulin resistance and lipid metabolism in diet-induced-obese mice. <i>Lipids in Health and Disease</i> , <b>2013</b> , 12, 109	4.4	90
92	Trimethylamine-N-oxide (TMAO)-induced atherosclerosis is associated with bile acid metabolism. <i>Lipids in Health and Disease</i> , <b>2018</b> , 17, 286	4.4	84
91	Study of antioxidant activities of sulfated polysaccharides from <i>Laminaria japonica</i> . <i>Journal of Applied Phycology</i> , <b>2008</b> , 20, 431-436	3.2	73
90	The protective effect of eicosapentaenoic acid-enriched phospholipids from sea cucumber <i>Cucumaria frondosa</i> on oxidative stress in PC12 cells and SAMP8 mice. <i>Neurochemistry International</i> , <b>2014</b> , 64, 9-17	4.4	70
89	DHA-PC and DHA-PS improved A $\beta$ 40 induced cognitive deficiency uncoupled with an increase in brain DHA in rats. <i>Journal of Functional Foods</i> , <b>2016</b> , 22, 417-430	5.1	53
88	Saponins from Sea Cucumber and Their Biological Activities. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 7222-7237	5.7	43
87	Isolation and anti-fatty liver activity of a novel cerebroside from the sea cucumber <i>Acaudina molpadioides</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2011</b> , 75, 1466-71	2.1	41
86	Comparative studies of DHA-enriched phosphatidylcholine and recombination of DHA-ethyl ester with egg phosphatidylcholine on ameliorating memory and cognitive deficiency in SAMP8 mice. <i>Food and Function</i> , <b>2019</b> , 10, 938-950	6.1	36
85	Eicosapentaenoic acid-enriched phospholipids improve A $\beta$ 40-induced cognitive deficiency in a rat model of Alzheimer's disease. <i>Journal of Functional Foods</i> , <b>2016</b> , 24, 537-548	5.1	36
84	LIPID PROFILE AND FATTY ACID COMPOSITIONS IN BODY WALL OF APOSTICHOPUS JAPONICUS (SELENKA). <i>Journal of Food Biochemistry</i> , <b>2012</b> , 36, 317-321	3.3	35
83	Effects of different fatty acids composition of phosphatidylcholine on brain function of dementia mice induced by scopolamine. <i>Lipids in Health and Disease</i> , <b>2016</b> , 15, 135	4.4	34
82	DHA enriched phospholipids with different polar groups (PC and PS) had different improvements on MPTP-induced mice with Parkinson's disease. <i>Journal of Functional Foods</i> , <b>2018</b> , 45, 417-426	5.1	33
81	The anti-tumor activities of cerebroside derived from sea cucumber <i>Acaudina molpadioides</i> and starfish <i>Asterias amurensis</i> in vitro and in vivo. <i>Journal of Oleo Science</i> , <b>2012</b> , 61, 321-30	1.6	30
80	Effects of polysaccharides from abalone ( <i>Haliotis discus hannai</i> Ino) on HepG2 cell proliferation. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 354-61	7.9	27

79	Mechanisms of DHA-enriched phospholipids in improving cognitive deficits in aged SAMP8 mice with high-fat diet. <i>Journal of Nutritional Biochemistry</i> , <b>2018</b> , 59, 64-75	6.3	27
78	Comparative lipid profile of four edible shellfishes by UPLC-Triple TOF-MS/MS. <i>Food Chemistry</i> , <b>2020</b> , 310, 125947	8.5	24
77	Rapid modulation of lipid metabolism in C57BL/6J mice induced by eicosapentaenoic acid-enriched phospholipid from <i>Cucumaria frondosa</i> . <i>Journal of Functional Foods</i> , <b>2017</b> , 28, 28-35	5.1	23
76	The improvements of functional ingredients from marine foods in lipid metabolism. <i>Trends in Food Science and Technology</i> , <b>2018</b> , 81, 74-89	15.3	23
75	Transcriptome analysis revealed anti-obesity effects of the Sodium Alginate in high-fat diet-induced obese mice. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 115, 861-870	7.9	22
74	Sea cucumber cerebroside and long-chain bases from <i>Acaudina molpadioides</i> protect against high fat diet-induced metabolic disorders in mice. <i>Food and Function</i> , <b>2015</b> , 6, 3428-36	6.1	21
73	EPA-enriched ethanolamine plasmalogen alleviates atherosclerosis via mediating bile acids metabolism. <i>Journal of Functional Foods</i> , <b>2020</b> , 66, 103824	5.1	21
72	Comparative Study of Different Polar Groups of EPA-Enriched Phospholipids on Ameliorating Memory Loss and Cognitive Deficiency in Aged SAMP8 Mice. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1700637	5.9	21
71	Seasonal changes in phospholipids of mussel ( <i>Mytilus edulis</i> Linne). <i>Journal of the Science of Food and Agriculture</i> , <b>2003</b> , 83, 133-135	4.3	21
70	Comparative Study of EPA-enriched Phosphatidylcholine and EPA-enriched Phosphatidylserine on Lipid Metabolism in Mice. <i>Journal of Oleo Science</i> , <b>2016</b> , 65, 593-602	1.6	20
69	EPA-enriched phospholipids ameliorate cancer-associated cachexia mainly via inhibiting lipolysis. <i>Food and Function</i> , <b>2015</b> , 6, 3652-62	6.1	18
68	Comparative Lipid Profile Analysis of Four Fish Species by Ultraperformance Liquid Chromatography Coupled with Quadrupole Time-of-Flight Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 9423-9431	5.7	18
67	Purification and characterization of stomach protease from the turbot ( <i>Scophthalmus maximus</i> L.). <i>Fish Physiology and Biochemistry</i> , <b>2006</b> , 32, 179-188	2.7	18
66	Cerebrosides from Sea Cucumber Improved A $\beta$ -Induced Cognitive Deficiency in a Rat Model of Alzheimer's Disease. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1800707	5.9	17
65	Sialoglycoprotein isolated from the eggs of <i>Gadus morhua</i> enhances fracture healing in osteoporotic mice. <i>Food and Function</i> , <b>2017</b> , 8, 1094-1104	6.1	16
64	Eicosapentaenoic Acid-Enriched Phosphoethanolamine Plasmalogens Alleviated Atherosclerosis by Remodeling Gut Microbiota to Regulate Bile Acid Metabolism in LDLR Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 5339-5348	5.7	15
63	PHOSPHATIDYLCHOLINE LEVELS AND THEIR FATTY ACID COMPOSITIONS IN SQUID EGG: A COMPARISON STUDY WITH POLLACK ROE AND STURGEON CAVIAR. <i>Journal of Food Lipids</i> , <b>2008</b> , 15, 222-230		15
62	Structure of Sphingolipids From Sea Cucumber <i>Cucumaria frondosa</i> and Structure-Specific Cytotoxicity Against Human HepG2 Cells. <i>Lipids</i> , <b>2016</b> , 51, 321-34	1.6	14

61	LIPID AND FATTY ACID COMPOSITION OF TWO SPECIES OF ABALONE, HALIOTIS DISCUS HANNAI INO AND HALIOTIS DIVERSICOLOR REEVE. <i>Journal of Food Biochemistry</i> , <b>2013</b> , 37, 296-301	3.3	14
60	DHA-Enriched Phosphatidylcholine and DHA-Enriched Phosphatidylserine Improve Age-Related Lipid Metabolic Disorder through Different Metabolism in the Senescence-Accelerated Mouse. <i>European Journal of Lipid Science and Technology</i> , <b>2018</b> , 120, 1700490	3	13
59	Replenishment of Docosahexaenoic Acid (DHA) in Dietary n-3-Deficient Mice Fed DHA in Triglycerides or Phosphatidylcholines After Weaning. <i>Journal of Food Science</i> , <b>2018</b> , 83, 481-488	3.4	13
58	Antarctic Krill Oil improves articular cartilage degeneration via activating chondrocyte autophagy and inhibiting apoptosis in osteoarthritis mice. <i>Journal of Functional Foods</i> , <b>2018</b> , 46, 413-422	5.1	13
57	Effects of dietary glucocerebrosides from sea cucumber on the brain sphingolipid profiles of mouse models of Alzheimer's disease. <i>Food and Function</i> , <b>2017</b> , 8, 1271-1281	6.1	12
56	Molecular species analysis of monosialogangliosides from sea urchin <i>Strongylocentrotus nudus</i> by RPLC-ESI-MS/MS. <i>Food Chemistry</i> , <b>2015</b> , 166, 473-478	8.5	12
55	Comparative analyses of DHA-Phosphatidylcholine and recombination of DHA-Triglyceride with Egg-Phosphatidylcholine or Glycerolphosphorylcholine on DHA repletion in n-3 deficient mice. <i>Lipids in Health and Disease</i> , <b>2017</b> , 16, 234	4.4	12
54	Sialoglycoprotein isolated from the eggs of <i>Carassius auratus</i> prevents bone loss: an effect associated with the regulation of gut microbiota in ovariectomized rats. <i>Food and Function</i> , <b>2016</b> , 7, 4764-4771 <sup>12</sup>	6.1	12
53	Synergistic effect of sea cucumber saponins and EPA-enriched phospholipids on insulin resistance in high-fat diet-induced obese mice. <i>Food and Function</i> , <b>2019</b> , 10, 3955-3964	6.1	11
52	Transport and uptake effects of marine complex lipid liposomes in small intestinal epithelial cell models. <i>Food and Function</i> , <b>2016</b> , 7, 1904-14	6.1	11
51	The Protective Activities of Dietary Sea Cucumber Cerebrosides against Atherosclerosis through Regulating Inflammation and Cholesterol Metabolism in Male Mice. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1800315	5.9	11
50	Characterizing the phospholipid composition of six edible sea cucumbers by NPLC-Triple TOF-MS/MS. <i>Journal of Food Composition and Analysis</i> , <b>2020</b> , 94, 103626	4.1	11
49	Docosahexaenoic acid-acylated astaxanthin ester exhibits superior performance over non-esterified astaxanthin in preventing behavioral deficits coupled with apoptosis in MPTP-induced mice with Parkinson's disease. <i>Food and Function</i> , <b>2020</b> , 11, 8038-8050	6.1	11
48	Neuroprotection of <i>Strongylocentrotus nudus</i> gangliosides against Alzheimer's disease via regulation of neurite loss and mitochondrial apoptosis. <i>Journal of Functional Foods</i> , <b>2017</b> , 33, 122-133	5.1	10
47	Long-Term Effects of Docosahexaenoic Acid-Bound Phospholipids and the Combination of Docosahexaenoic Acid-Bound Triglyceride and Egg Yolk Phospholipid on Lipid Metabolism in Mice. <i>Journal of Ocean University of China</i> , <b>2018</b> , 17, 392-398	1	10
46	Characterization of lipid composition in the muscle tissue of four shrimp species commonly consumed in China by UPLC-Triple TOFMS/MS. <i>LWT - Food Science and Technology</i> , <b>2020</b> , 128, 109469	5.4	10
45	Sea Cucumber Sterol Alleviates the Lipid Accumulation in High-Fat-Fructose Diet Fed Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 9707-9717	5.7	10
44	Polymannuronic acid prevents dopaminergic neuronal loss via brain-gut-microbiota axis in Parkinson's disease model. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 994-1005	7.9	10

43	A pilot study on the effects of DHA/EPA-enriched phospholipids on aerobic and anaerobic exercises in mice. <i>Food and Function</i> , <b>2020</b> , 11, 1441-1454	6.1	9
42	The interaction between dietary marine components and intestinal flora. <i>Marine Life Science and Technology</i> , <b>2020</b> , 2, 161-171	4.5	8
41	Digestion, Absorption, and Metabolism Characteristics of EPA-Enriched Phosphoethanolamine Plasmalogens Based on Gastrointestinal Functions in Healthy Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 12786-12795	5.7	8
40	Sea cucumbers-derived sterol sulfate alleviates insulin resistance and inflammation in high-fat-high-fructose diet-induced obese mice. <i>Pharmacological Research</i> , <b>2020</b> , 160, 105191	10.2	8
39	Serum pharmacokinetics of choline, trimethylamine, and trimethylamine-N-oxide after oral gavage of phosphatidylcholines with different fatty acid compositions in mice. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2016</b> , 80, 2217-2223	2.1	7
38	Exogenous natural EPA-enriched phosphatidylcholine and phosphatidylethanolamine ameliorate lipid accumulation and insulin resistance activation of PPAR $\alpha$ in mice. <i>Food and Function</i> , <b>2020</b> , 11, 8248-8258	6.1	7
37	The opposite effects of Antarctic krill oil and arachidonic acid-rich oil on bone resorption in ovariectomized mice. <i>Food and Function</i> , <b>2020</b> , 11, 7048-7060	6.1	7
36	Dietary EPA-Enriched Phospholipids Alleviate Chronic Stress and LPS-Induced Depression- and Anxiety-Like Behavior by Regulating Immunity and Neuroinflammation. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2100009	5.9	7
35	Identification of ceramide 2-aminoethylphosphonate molecular species from different aquatic products by NPLC/Q-Exactive-MS. <i>Food Chemistry</i> , <b>2020</b> , 304, 125425	8.5	6
34	Characterizing gangliosides in six sea cucumber species by HILIC-ESI-MS/MS. <i>Food Chemistry</i> , <b>2021</b> , 352, 129379	8.5	6
33	Recovery of brain DHA-containing phosphatidylserine and ethanolamine plasmalogen after dietary DHA-enriched phosphatidylcholine and phosphatidylserine in SAMP8 mice fed with high-fat diet. <i>Lipids in Health and Disease</i> , <b>2020</b> , 19, 104	4.4	5
32	Effects of dietary choline, betaine, and L-carnitine on the generation of trimethylamine-N-oxide in healthy mice. <i>Journal of Food Science</i> , <b>2020</b> , 85, 2207-2215	3.4	5
31	Dietary Supplementation with Exogenous Sea-Cucumber-Derived Ceramides and Glucosylceramides Alleviates Insulin Resistance in High-Fructose-Diet-Fed Rats by Upregulating the IRS/PI3K/Akt Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 9178-9187	5.7	5
30	Characterization and Absorption Kinetics of a Novel Multifunctional Nanoliposome Stabilized by Sea Cucumber Saponins Instead of Cholesterol. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 642-651	5.7	5
29	Preparation and effects on neuronal nutrition of plasmenylethanoamine and plasmanylcholine from the mussel. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2020</b> , 84, 380-392	2.1	5
28	Extracting Protein from Antarctic Krill ( <i>Euphausia superba</i> ). <i>Journal of Aquatic Food Product Technology</i> , <b>2016</b> , 25, 597-606	1.6	4
27	Lipidomics Approach in High-Fat-Diet-Induced Atherosclerosis Dyslipidemia Hamsters: Alleviation Using Ether-Phospholipids in Sea Urchin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 9167-9177	5.7	4
26	Application of Plackett-Burman Design in Screening of Natural Antioxidants Suitable for Anchovy Oil. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	4

25	A Novel Sialoglycopeptide from Eggs Prevents Liver Fibrosis Induced by CCl <sub>4</sub> via Downregulating FXR/FGF15 and TLR4/TGF- $\beta$ /Smad Pathways. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 13093-13101	5.7	3
24	Maternal diet with sea urchin gangliosides promotes neurodevelopment of young offspring enhancing NGF and BDNF expression. <i>Food and Function</i> , <b>2020</b> , 11, 9912-9923	6.1	3
23	Effects of dietary n-3 PUFA levels in early life on susceptibility to high-fat-diet-induced metabolic syndrome in adult mice. <i>Journal of Nutritional Biochemistry</i> , <b>2021</b> , 89, 108578	6.3	3
22	Docosahexaenoic acid-containing phosphatidylcholine induced osteoblastic differentiation by modulating key transcription factors. <i>Journal of Food Biochemistry</i> , <b>2018</b> , 42, e12661	3.3	3
21	Comparative Study of DHA with Different Molecular Forms for Ameliorating Osteoporosis by Promoting Chondrocyte-to-Osteoblast Transdifferentiation in the Growth Plate of Ovariectomized Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 10562-10571	5.7	3
20	Sterol sulfate alleviates atherosclerosis mediating hepatic cholesterol metabolism in ApoE mice. <i>Food and Function</i> , <b>2021</b> , 12, 4887-4896	6.1	3
19	DHA/EPA-Enriched Phosphatidylcholine Suppresses Tumor Growth and Metastasis via Activating Peroxisome Proliferator-Activated Receptor $\alpha$ in Lewis Lung Cancer Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 676-685	5.7	3
18	Absorption, Pharmacokinetics, Tissue Distribution, and Excretion Profiles of Sea Cucumber-Derived Sulfated Sterols in Mice.. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> ,	5.7	3
17	Dietary Trimethylamine -Oxide Exacerbated Atherosclerosis under a Low-Fat Rather than High-Fat Diet. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 6789-6791	5.7	2
16	Comparative study on the digestion and absorption characteristics of n-3 LCPUFA-enriched phospholipids in the form of liposomes and emulsions. <i>Food Research International</i> , <b>2020</b> , 137, 109428	7	2
15	Preparation and Characterization of Astaxanthin-loaded Liposomes Stabilized by Sea Cucumber Sulfated Sterols Instead of Cholesterol.. <i>Journal of Oleo Science</i> , <b>2022</b> , 71,	1.6	2
14	Preparation of Sulforaphene from Radish Seed Extracts with Recombinant Food-Grade Harboring High Myrosinase Activity. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 5363-5371	5.7	2
13	The enrichment of eggs with docosahexaenoic acid and eicosapentaenoic acid through supplementation of the laying hen diet. <i>Food Chemistry</i> , <b>2021</b> , 346, 128958	8.5	2
12	Comparative evaluation of phosphatidylcholine and phosphatidylserine with different fatty acids on nephrotoxicity in vancomycin-induced mice. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2021</b> , 85, 1873-1884	2.1	2
11	Effects of Dietary Supplementation with EPA-enriched Phosphatidylcholine and Phosphatidylethanolamine on Glycerophospholipid Profile in Cerebral Cortex of SAMP8 Mice fed with High-fat Diet. <i>Journal of Oleo Science</i> , <b>2021</b> , 70, 275-287	1.6	2
10	Sea urchin gangliosides exhibit neuritogenic effects in neuronal PC12 cells via TrkA- and TrkB-related pathways. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2021</b> , 85, 675-686	2.1	2
9	EPA-Enriched Phospholipids Alleviate Renal Interstitial Fibrosis in Spontaneously Hypertensive Rats by Regulating TGF- $\beta$ -Signaling Pathways.. <i>Marine Drugs</i> , <b>2022</b> , 20,	6	2
8	Determination of 6 Kinds of Sex Hormones in Fish Using Subcritical 1,1,1,2-Tetrafluoroethane Extraction-Gas Chromatography-Tandem Mass Spectrometry. <i>Chinese Journal of Analytical Chemistry</i> , <b>2013</b> , 41, 1487-1492	1.6	1

7	Short-term supplementation of EPA-enriched ethanolamine plasmalogen increases the level of DHA in the brain and liver of n-3 PUFA deficient mice in early life after weaning.. <i>Food and Function</i> , <b>2022</b> ,	6.1	1
6	Effect of Stored Humidity and Initial Moisture Content on the Qualities and Mycotoxin Levels of Maize Germ and Its Processing Products. <i>Toxins</i> , <b>2020</b> , 12,	4.9	1
5	Dietary n-3 PUFA Deficiency Increases Vulnerability to Scopolamine-Induced Cognitive Impairment in Male C57BL/6 Mice. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 2206-2214	4.1	1
4	Trimethylamine -Oxide Generation from Choline-Containing Precursors Is Closely Associated with Their Molecular Structure. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 2933-2935	5.7	1
3	Characterization of Gangliosides in Three Sea Urchin Species by HILIC-ESI-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 7641-7651	5.7	0
2	Short-term supplementation of DHA-enriched phospholipids attenuates the nephrotoxicity of cisplatin without compromising its antitumor activity in mice. <i>Food and Function</i> , <b>2021</b> , 12, 9391-9404	6.1	0
1	N-3 PUFA-Deficiency in Early Life Exhibits Aggravated MPTP-Induced Neurotoxicity in Old Age while Supplementation with DHA/EPA-Enriched Phospholipids Exerts a Neuroprotective Effect. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2100339	5.9	