Tiantian Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Strategies for transporting nanoparticles across the blood–brain barrier. Biomaterials Science, 2016, 4, 219-229.	2.6	229
2	Health benefits of dietary marine DHA/EPA-enriched glycerophospholipids. Progress in Lipid Research, 2019, 75, 100997.	5.3	195
3	Structure Characterization of a Novel Polysaccharide from <i>Dictyophora indusiata</i> and Its Macrophage Immunomodulatory Activities. Journal of Agricultural and Food Chemistry, 2015, 63, 535-544.	2.4	179
4	Intracellular Antioxidant Detoxifying Effects of Diosmetin on 2,2-Azobis(2-amidinopropane) Dihydrochloride (AAPH)-Induced Oxidative Stress through Inhibition of Reactive Oxygen Species Generation. Journal of Agricultural and Food Chemistry, 2014, 62, 8648-8654.	2.4	150
5	Application of the Nano-Drug Delivery System in Treatment of Cardiovascular Diseases. Frontiers in Bioengineering and Biotechnology, 2019, 7, 489.	2.0	149
6	Trimethylamine-N-oxide (TMAO)-induced atherosclerosis is associated with bile acid metabolism. Lipids in Health and Disease, 2018, 17, 286.	1.2	148
7	Protective effects of kaempferol against reactive oxygen species-induced hemolysis and its antiproliferative activity on human cancer cells. European Journal of Medicinal Chemistry, 2016, 114, 24-32.	2.6	110
8	Biofunctionalization of Selenium Nanoparticle with Dictyophora Indusiata Polysaccharide and Its Antiproliferative Activity through Death-Receptor and Mitochondria-Mediated Apoptotic Pathways. Scientific Reports, 2016, 5, 18629.	1.6	95
9	Effects of Astaxanthin and Docosahexaenoic-Acid-Acylated Astaxanthin on Alzheimer's Disease in APP/PS1 Double-Transgenic Mice. Journal of Agricultural and Food Chemistry, 2018, 66, 4948-4957.	2.4	89
10	Structural characteristics and bioactive properties of a novel polysaccharide from Flammulina velutipes. Carbohydrate Polymers, 2018, 197, 147-156.	5.1	85
11	Bioactivities and extraction optimization of crude polysaccharides from the fruits and leaves of Rubus chingii Hu. Carbohydrate Polymers, 2015, 130, 307-315.	5.1	84
12	Engineering β-sheet peptide assemblies for biomedical applications. Biomaterials Science, 2016, 4, 365-374.	2.6	80
13	Saponins from Sea Cucumber and Their Biological Activities. Journal of Agricultural and Food Chemistry, 2018, 66, 7222-7237.	2.4	72
14	Nobiletin Triggers Reactive Oxygen Species-Mediated Pyroptosis through Regulating Autophagy in Ovarian Cancer Cells. Journal of Agricultural and Food Chemistry, 2020, 68, 1326-1336.	2.4	69
15	Flavonoid glycosides from Rubus chingii Hu fruits display anti-inflammatory activity through suppressing MAPKs activation in macrophages. Journal of Functional Foods, 2015, 18, 235-243.	1.6	66
16	Comparative study of the effects of phosphatidylcholine rich in DHA and EPA on Alzheimer's disease and the possible mechanisms in CHO-APP/PS1 cells and SAMP8 mice. Food and Function, 2018, 9, 643-654.	2.1	64
17	Physicochemical Characterization of a Polysaccharide Fraction from <i>Platycladus orientalis</i> (L.) Franco and Its Macrophage Immunomodulatory and Anti-Hepatitis B Virus Activities. Journal of Agricultural and Food Chemistry, 2016, 64, 5813-5823.	2.4	62
18	Synthesis and Characterization of a Walnut Peptides–Zinc Complex and Its Antiproliferative Activity against Human Breast Carcinoma Cells through the Induction of Apoptosis. Journal of Agricultural and Food Chemistry, 2016, 64, 1509-1519.	2.4	57

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19	Enhancement of Anti-Inflammatory Properties of Nobiletin in Macrophages by a Nano-Emulsion Preparation. Journal of Agricultural and Food Chemistry, 2018, 66, 91-98.	2.4	57
20	A review of cardiovascular toxicity of TiO2, ZnO and Ag nanoparticles (NPs). BioMetals, 2018, 31, 457-476.	1.8	55
21	A comparative study of EPA-enriched ethanolamine plasmalogen and EPA-enriched phosphatidylethanolamine on Aβ ₄₂ induced cognitive deficiency in a rat model of Alzheimer's disease. Food and Function, 2018, 9, 3008-3017.	2.1	54
22	Macroporous resin purification and characterization of flavonoids from Platycladus orientalis (L.) Franco and their effects on macrophage inflammatory response. Food and Function, 2017, 8, 86-95.	2.1	53
23	Andrographolide Antagonizes TNF-α-Induced IL-8 via Inhibition of NADPH Oxidase/ROS/NF-ήB and Src/MAPKs/AP-1 Axis in Human Colorectal Cancer HCT116 Cells. Journal of Agricultural and Food Chemistry, 2018, 66, 5139-5148.	2.4	51
24	Comparative studies of DHA-enriched phosphatidylcholine and recombination of DHA-ethyl ester with egg phosphatidylcholine on ameliorating memory and cognitive deficiency in SAMP8 mice. Food and Function, 2019, 10, 938-950.	2.1	50
25	Polysaccharide from flammuliana velutipes improves colitis via regulation of colonic microbial dysbiosis and inflammatory responses. International Journal of Biological Macromolecules, 2020, 149, 1252-1261.	3.6	48
26	Recrystallization of Dihydromyricetin from <i>Ampelopsis grossedentata</i> and Its Anti-Oxidant Activity Evaluation. Rejuvenation Research, 2014, 17, 422-429.	0.9	47
27	Anti-inflammatory activities of essential oil isolated from the calyx of Hibiscus sabdariffa L Food and Function, 2016, 7, 4451-4459.	2.1	46
28	Functional Hydrogels and Their Application in Drug Delivery, Biosensors, and Tissue Engineering. International Journal of Polymer Science, 2019, 2019, 1-14.	1.2	46
29	EPA enriched ethanolamine plasmalogens significantly improve cognition of Alzheimer's disease mouse model by suppressing β-amyloid generation. Journal of Functional Foods, 2018, 41, 9-18.	1.6	45
30	Hepatoprotective function of Penthorum chinense Pursh. Food and Function, 2013, 4, 1581.	2.1	44
31	Novel walnut peptide–selenium hybrids with enhanced anticancer synergism: facile synthesis and mechanistic investigation of anticancer activity. International Journal of Nanomedicine, 2016, 11, 1305.	3.3	42
32	H2O2 oxidative preparation, characterization and antiradical activity of a novel oligosaccharide derived from flaxseed gum. Food Chemistry, 2017, 230, 135-144.	4.2	39
33	Injectable Hydrogel-Based Nanocomposites for Cardiovascular Diseases. Frontiers in Bioengineering and Biotechnology, 2020, 8, 251.	2.0	37
34	Cerebrosides from Sea Cucumber Improved A <i>β</i> _{1–42} â€Induced Cognitive Deficiency in a Rat Model of Alzheimer's Disease. Molecular Nutrition and Food Research, 2019, 63, e1800707.	1.5	36
35	Novel fenugreek gum-cellulose composite hydrogel with wound healing synergism: Facile preparation, characterization and wound healing activity evaluation. International Journal of Biological Macromolecules, 2020, 160, 1242-1251.	3.6	36
36	Sea cucumber saponin liposomes ameliorate obesity-induced inflammation and insulin resistance in high-fat-diet-fed mice. Food and Function, 2018, 9, 861-870.	2.1	35

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37	Effects of thonningianin A in natural foods on apoptosis and cell cycle arrest of HepG-2 human hepatocellular carcinoma cells. Food and Function, 2015, 6, 2588-2597.	2.1	34
38	Protective Effects of DHA-PC against Vancomycin-Induced Nephrotoxicity through the Inhibition of Oxidative Stress and Apoptosis in BALB/c Mice. Journal of Agricultural and Food Chemistry, 2018, 66, 475-484.	2.4	34
39	Identification of Peptide Biomarkers for Discrimination of Shrimp Species through SWATH-MS-Based Proteomics and Chemometrics. Journal of Agricultural and Food Chemistry, 2018, 66, 10567-10574.	2.4	32
40	Eicosapentaenoic acid in the form of phospholipids exerts superior anti-atherosclerosis effects to its triglyceride form in ApoE ^{â^'/â^'} mice. Food and Function, 2019, 10, 4177-4188.	2.1	32
41	A polysaccharide isolated and purified from Platycladus orientalis (L.) Franco leaves, characterization, bioactivity and its regulation on macrophage polarization. Carbohydrate Polymers, 2019, 213, 276-285.	5.1	32
42	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. Food and Function, 2020, 11, 8038-8050.	2.1	32
43	A novel polysaccharide isolated from <i>Flammulina velutipes</i> , characterization, macrophage immunomodulatory activities and its impact on gut microbiota in rats. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 735-748.	1.0	31
44	Comparative Study of Different Polar Groups of EPAâ€Enriched Phospholipids on Ameliorating Memory Loss and Cognitive Deficiency in Aged SAMP8 Mice. Molecular Nutrition and Food Research, 2018, 62, e1700637.	1.5	30
45	The use of proteomic technologies to study molecular mechanisms of multidrug resistance in cancer. European Journal of Medicinal Chemistry, 2019, 162, 423-434.	2.6	30
46	EPA-enriched ethanolamine plasmalogen alleviates atherosclerosis via mediating bile acids metabolism. Journal of Functional Foods, 2020, 66, 103824.	1.6	30
47	The improvements of functional ingredients from marine foods in lipid metabolism. Trends in Food Science and Technology, 2018, 81, 74-89.	7.8	29
48	A comparative study about EPA-PL and EPA-EE on ameliorating behavioral deficits in MPTP-induced mice with Parkinson's disease by suppressing oxidative stress and apoptosis. Journal of Functional Foods, 2018, 50, 8-17.	1.6	27
49	Eicosapentaenoic Acid-Enriched Phosphatidylcholine Mitigated Aβ1-42-Induced Neurotoxicity via Autophagy-Inflammasome Pathway. Journal of Agricultural and Food Chemistry, 2019, 67, 13767-13774.	2.4	27
50	Eicosapentaenoic Acid-Enriched Phosphoethanolamine Plasmalogens Alleviated Atherosclerosis by Remodeling Gut Microbiota to Regulate Bile Acid Metabolism in LDLR ^{–/–} Mice. Journal of Agricultural and Food Chemistry, 2020, 68, 5339-5348.	2.4	26
51	DHAâ€Enriched Phosphatidylcholine and DHAâ€Enriched Phosphatidylserine Improve Ageâ€Related Lipid Metabolic Disorder through Different Metabolism in the Senescenceâ€Accelerated Mouse. European Journal of Lipid Science and Technology, 2018, 120, 1700490.	1.0	24
52	Saponin from sea cucumber exhibited more significant effects than ginsenoside on ameliorating high fat diet-induced obesity in C57BL/6 mice. MedChemComm, 2018, 9, 725-734.	3.5	24
53	Powering up the molecular therapy of RNA interference by novel nanoparticles. Biomaterials Science, 2016, 4, 1051-1061.	2.6	23
54	Sea cucumbers-derived sterol sulfate alleviates insulin resistance and inflammation in high-fat-high-fructose diet-induced obese mice. Pharmacological Research, 2020, 160, 105191.	3.1	23

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55	Extraction of antioxidant and antiproliferative ingredients from fruits of Rubus chingii Hu by active tracking guidance. MedChemComm, 2017, 8, 1673-1680.	3.5	22
56	Preparation and characterization of cellulose/flaxseed gum composite hydrogel and its hemostatic and wound healing functions evaluation. Cellulose, 2020, 27, 3971-3988.	2.4	22
57	Orally Administered DHAâ€Enriched Phospholipids and DHAâ€Enriched Triglyceride Relieve Oxidative Stress, Improve Intestinal Barrier, Modulate Inflammatory Cytokine and Gut Microbiota, and Meliorate Inflammatory Responses in the Brain in Dextran Sodium Sulfate Induced Colitis in Mice. Molecular Nutrition and Food Research, 2021, 65, e2000986.	1.5	22
58	Tormentic acid in foods exerts anti-proliferation efficacy through inducing apoptosis and cell cycle arrest. Journal of Functional Foods, 2015, 19, 575-583.	1.6	21
59	A comparative study of eicosapentaenoic acid enriched phosphatidylcholine and ethyl ester in improving cognitive deficiency in Alzheimer's disease model rats. Food and Function, 2018, 9, 2184-2192.	2.1	21
60	Flammulina velutipes polysaccharide improves C57BL/6 mice gut health through regulation of intestine microbial metabolic activity. International Journal of Biological Macromolecules, 2021, 167, 1308-1318.	3.6	21
61	The role and mechanism of citrus flavonoids in cardiovascular diseases prevention and treatment. Critical Reviews in Food Science and Nutrition, 2022, 62, 7591-7614.	5.4	21
62	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. Journal of Agricultural and Food Chemistry, 2021, 69, 9178-9187.	2.4	21
63	A pilot study on the effects of DHA/EPA-enriched phospholipids on aerobic and anaerobic exercises in mice. Food and Function, 2020, 11, 1441-1454.	2.1	20
64	Comparative Analysis of EPA/DHA-PL Forage and Liposomes in Orotic Acid-Induced Nonalcoholic Fatty Liver Rats and Their Related Mechanisms. Journal of Agricultural and Food Chemistry, 2018, 66, 1408-1418.	2.4	19
65	Synergistic effect of sea cucumber saponins and EPA-enriched phospholipids on insulin resistance in high-fat diet-induced obese mice. Food and Function, 2019, 10, 3955-3964.	2.1	18
66	DHA-PC protects kidneys against cisplatin-induced toxicity and its underlying mechanisms in mice. Food and Function, 2019, 10, 1571-1581.	2.1	18
67	Characterization and Absorption Kinetics of a Novel Multifunctional Nanoliposome Stabilized by Sea Cucumber Saponins Instead of Cholesterol. Journal of Agricultural and Food Chemistry, 2020, 68, 642-651.	2.4	18
68	Short-term supplementation of DHA as phospholipids rather than triglycerides improve cognitive deficits induced by maternal omega-3 PUFA deficiency during the late postnatal stage. Food and Function, 2021, 12, 564-572.	2.1	17
69	Multifunctional Biodegradable Prussian Blue Analogue for Synergetic Photothermal/Photodynamic/Chemodynamic Therapy and Intrinsic Tumor Metastasis Inhibition. ACS Applied Bio Materials, 2021, 4, 7081-7093.	2.3	17
70	The Protective Activities of Dietary Sea Cucumber Cerebrosides against Atherosclerosis through Regulating Inflammation and Cholesterol Metabolism in Male Mice. Molecular Nutrition and Food Research, 2018, 62, e1800315.	1.5	16
71	Effect of anacardic acid against echinococcosis through inhibition of VEGF-induced angiogenesis. Veterinary Research, 2019, 50, 3.	1.1	15
72	Sea Cucumber Sterol Alleviates the Lipid Accumulation in High-Fat–Fructose Diet Fed Mice. Journal of Agricultural and Food Chemistry, 2020, 68, 9707-9717.	2.4	13

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73	Structural Design and Physicochemical Foundations of Hydrogels for Biomedical Applications. Current Medicinal Chemistry, 2018, 25, 963-981.	1.2	13
74	Synergistic effect of eicosapentaenoic acid-enriched phospholipids and sea cucumber saponin on orotic acid-induced non-alcoholic fatty liver disease in rats. Royal Society Open Science, 2018, 5, 172182.	1.1	12
75	Preparation and Characterization of Astaxanthin-loaded Liposomes Stabilized by Sea Cucumber Sulfated Sterols Instead of Cholesterol. Journal of Oleo Science, 2022, 71, 401-410.	0.6	12
76	Docosahexaenoic acid-acylated curcumin diester alleviates cisplatin-induced acute kidney injury by regulating the effect of gut microbiota on the lipopolysaccharide- and trimethylamine- <i>N</i> -oxide-mediated PI3K/Akt/NF-I®B signaling pathway in mice. Food and Function, 2022, 13, 6103-6117.	2.1	12
77	Digestion, Absorption, and Metabolism Characteristics of EPA-Enriched Phosphoethanolamine Plasmalogens Based on Gastrointestinal Functions in Healthy Mice. Journal of Agricultural and Food Chemistry, 2019, 67, 12786-12795.	2.4	11
78	Comparative Analyses of DHAâ€Phosphatidylcholine Forage and Liposomes on Alzheimer's Disease in SAMP8 Mice. European Journal of Lipid Science and Technology, 2019, 121, 1800524.	1.0	11
79	Comparative study on the digestion and absorption characteristics of n-3 LCPUFA-enriched phospholipids in the form of liposomes and emulsions. Food Research International, 2020, 137, 109428.	2.9	11
80	PINK1/Parkin-mediated mitophagy inhibits warangalone-induced mitochondrial apoptosis in breast cancer cells. Aging, 2021, 13, 12955-12972.	1.4	10
81	The absorption kinetics of Antarctic krill oil phospholipid liposome in blood and the digestive tract of healthy mice by single gavage. Food Science and Human Wellness, 2020, 9, 88-94.	2.2	9
82	The biological regulatory activities of Flammulina velutipes polysaccharide in mice intestinal microbiota, immune repertoire and heart transcriptome. International Journal of Biological Macromolecules, 2021, 185, 582-591.	3.6	9
83	GB7 acetate, a galbulimima alkaloid from Galbulimima belgraveana, possesses anticancer effects in colorectal cancer cells. Journal of Pharmaceutical Analysis, 2022, 12, 339-349.	2.4	8
84	Discovery of novel 3-hydroxyandrosta-5,7-Diene-17-Carboxylic acid derivatives as anti-inflammatory bowel diseases (IBD) agents. European Journal of Medicinal Chemistry, 2021, 220, 113468.	2.6	8
85	Sterol sulfate alleviates atherosclerosis <i>via</i> mediating hepatic cholesterol metabolism in ApoE ^{â^'/â^'} mice. Food and Function, 2021, 12, 4887-4896.	2.1	8
86	Targeted Lipidomics Reveal the Effects of Different Phospholipids on the Phospholipid Profiles of Hepatic Mitochondria and Endoplasmic Reticulum in High-Fat/High-Fructose-Diet-Induced Nonalcoholic Fatty Liver Disease Mice. Journal of Agricultural and Food Chemistry, 2022, 70, 3529-3540.	2.4	8
87	Taurine Alleviates Trimethylamine <i>N</i> -Oxide-Induced Atherosclerosis by Regulating Bile Acid Metabolism in ApoE ^{â€"/â€"} Mice. Journal of Agricultural and Food Chemistry, 2022, 70, 5738-5747.	2.4	8
88	Hypoglycemic Effect of Nobiletin via Regulation of Islet β-Cell Mitophagy and Gut Microbiota Homeostasis in Streptozocin-Challenged Mice. Journal of Agricultural and Food Chemistry, 2022, 70, 5805-5818.	2.4	8
89	Analysis of the quantitative structure–activity relationship of glutathione-derived peptides based on different free radical scavenging systems. MedChemComm, 2016, 7, 2083-2093.	3.5	7
90	Comparison of the Digestion and Absorption Characteristics of Docosahexaenoic Acid-Acylated Astaxanthin Monoester and Diester in Mice. Journal of Ocean University of China, 2021, 20, 973-984.	0.6	7

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91	Dietary Trimethylamine <i>N</i> -Oxide Exacerbated Atherosclerosis under a Low-Fat Rather than High-Fat Diet. Journal of Agricultural and Food Chemistry, 2020, 68, 6789-6791.	2.4	6
92	Comparative evaluation of phosphatidylcholine and phosphatidylserine with different fatty acids on nephrotoxicity in vancomycin-induced mice. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1873-1884.	0.6	6
93	Integration of Novel Materials and Advanced Genomic Technologies into New Vaccine Design. Current Topics in Medicinal Chemistry, 2017, 17, 2286-2301.	1.0	6
94	EPA-Enriched Phospholipids Alleviate Renal Interstitial Fibrosis in Spontaneously Hypertensive Rats by Regulating TGF-β Signaling Pathways. Marine Drugs, 2022, 20, 152.	2.2	6
95	EPA-enriched plasmalogen attenuates the cytotoxic effects of LPS-stimulated microglia on the SH-SY5Y neuronal cell line. Brain Research Bulletin, 2022, 186, 143-152.	1.4	6
96	Effects of Dietary Supplementation with EPA-enriched Phosphatidylcholine and Phosphatidylethanolamine on Glycerophospholipid Profile in Cerebral Cortex of SAMP8 Mice fed with High-fat Diet. Journal of Oleo Science, 2021, 70, 275-287.	0.6	5
97	Discovery of novel 2-aryl-4-bis-amide imidazoles (ABAI) as anti-inflammatory agents for the treatment of inflammatory bowel diseases (IBD). Bioorganic Chemistry, 2022, 120, 105619.	2.0	5
98	Absorption, Pharmacokinetics, Tissue Distribution, and Excretion Profiles of Sea Cucumber-Derived Sulfated Sterols in Mice. Journal of Agricultural and Food Chemistry, 2022, 70, 480-487.	2.4	5
99	Relationship between structure and efficacy of sea cucumber saponins echinoside A and its derivatives on hemolytic activity and prevention of nonalcoholic fatty liver disease. Journal of Food Science, 2020, 85, 2198-2206.	1.5	4
100	Dietary Supplementation with Sea Cucumber Saponins and Exercise Can Significantly Suppress Adipose Accumulation in Mice Fed with High-Fat Diet. Journal of Ocean University of China, 2021, 20, 629-640.	0.6	4
101	Nâ€3 PUFAâ€Deficiency in Early Life Exhibits Aggravated MPTPâ€Induced Neurotoxicity in Old Age while Supplementation with DHA/EPAâ€Enriched Phospholipids Exerts a Neuroprotective Effect. Molecular Nutrition and Food Research, 2021, 65, e2100339.	1.5	4
102	The Different Protective Effects of Phospholipids Against Obesityâ€Induced Renal Injury Mainly Associate with Fatty Acid Composition. European Journal of Lipid Science and Technology, 2021, 123, 2100011.	1.0	3
103	A Comparative Study About the Neuroprotective Effects of EPA-Enriched Phosphoethanolamine Plasmalogen and Phosphatidylethanolamine Against Oxidative Damage in Primary Hippocampal Neurons. Journal of Ocean University of China, 2021, 20, 1207-1214.	0.6	3
104	Short-term supplementation of DHA-enriched phospholipids attenuates the nephrotoxicity of cisplatin without compromising its antitumor activity in mice. Food and Function, 2021, 12, 9391-9404.	2.1	3
105	Docosahexaenoic Acid-Acylated Astaxanthin Esters Exhibit Superior Renal Protective Effect to Recombination of Astaxanthin with DHA via Alleviating Oxidative Stress Coupled with Apoptosis in Vancomycin-Treated Mice with Nephrotoxicity. Marine Drugs, 2021, 19, 499.	2.2	1