

# Tiantian Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

2,414  
citations

29  
h-index

45  
g-index

108  
ext. papers

3,145  
ext. citations

5.6  
avg. IF

5.48  
L-index

#	Paper	IF	Citations
99	Discovery of novel 2-aryl-4-bis-amide imidazoles (ABAI) as anti-inflammatory agents for the treatment of inflammatory bowel diseases (IBD).. <i>Bioorganic Chemistry</i> , <b>2022</b> , 120, 105619	5.1	0
98	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
97	GB7 acetate, a alkaloid from , possesses anticancer effects in colorectal cancer cells.. <i>Journal of Pharmaceutical Analysis</i> , <b>2022</b> , 12, 339-349	14	0
96	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
95	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
94	PINK1/Parkin-mediated mitophagy inhibits warangalone-induced mitochondrial apoptosis in breast cancer cells. <i>Aging</i> , <b>2021</b> , 13, 12955-12972	5.6	3
93	The role and mechanism of citrus flavonoids in cardiovascular diseases prevention and treatment. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-24	11.5	5
92	Dietary Supplementation with Sea Cucumber Saponins and Exercise Can Significantly Suppress Adipose Accumulation in Mice Fed with High-Fat Diet. <i>Journal of Ocean University of China</i> , <b>2021</b> , 20, 629-640	1	0
91	The Different Protective Effects of Phospholipids Against Obesity-Induced Renal Injury Mainly Associate with Fatty Acid Composition. <i>European Journal of Lipid Science and Technology</i> , <b>2021</b> , 123, 2100011	2	2
90	Orally Administered DHA-Enriched Phospholipids and DHA-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. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2000986	5.9	7
89	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
88	Comparison of the Digestion and Absorption Characteristics of Docosahexaenoic Acid-Acylated Astaxanthin Monoester and Diester in Mice. <i>Journal of Ocean University of China</i> , <b>2021</b> , 20, 973-984	1	1
87	Flammulina velutipes polysaccharide improves C57BL/6 mice gut health through regulation of intestine microbial metabolic activity. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 1308-1318	7.9	6
86	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. <i>Food and Function</i> , <b>2021</b> , 12, 564-572	6.1	4
85	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
84	The biological regulatory activities of Flammulina velutipes polysaccharide in mice intestinal microbiota, immune repertoire and heart transcriptome. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 185, 582-591	7.9	1
83	Multifunctional Biodegradable Prussian Blue Analogue for Synergetic Photothermal/Photodynamic/Chemodynamic Therapy and Intrinsic Tumor Metastasis Inhibition.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 7081-7093	4.1	2

82	A Comparative Study About the Neuroprotective Effects of EPA-Enriched Phosphoethanolamine Plasmalogen and Phosphatidylethanolamine Against Oxidative Damage in Primary Hippocampal Neurons. <i>Journal of Ocean University of China</i> , <b>2021</b> , 20, 1207-1214	1	1
81	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	
80	Discovery of novel 3-hydroxyandrost-5,7-Diene-17-Carboxylic acid derivatives as anti-inflammatory bowel diseases (IBD) agents. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 220, 113468	6.8	2
79	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
78	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
77	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
76	Novel fenugreek gum-cellulose composite hydrogel with wound healing synergism: Facile preparation, characterization and wound healing activity evaluation. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 160, 1242-1251	7.9	11
75	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
74	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
73	Relationship between structure and efficacy of sea cucumber saponins echinoside A and its derivatives on hemolytic activity and prevention of nonalcoholic fatty liver disease. <i>Journal of Food Science</i> , <b>2020</b> , 85, 2198-2206	3.4	2
72	Polysaccharide from flammulina velutipes improves colitis via regulation of colonic microbial dysbiosis and inflammatory responses. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 149, 1252-1261	7.9	23
71	Preparation and characterization of cellulose/flaxseed gum composite hydrogel and its hemostatic and wound healing functions evaluation. <i>Cellulose</i> , <b>2020</b> , 27, 3971-3988	5.5	8
70	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
69	Nobiletin Triggers Reactive Oxygen Species-Mediated Pyroptosis through Regulating Autophagy in Ovarian Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 1326-1336	5.7	33
68	The absorption kinetics of Antarctic krill oil phospholipid liposome in blood and the digestive tract of healthy mice by single gavage. <i>Food Science and Human Wellness</i> , <b>2020</b> , 9, 88-94	8.3	6
67	Injectable Hydrogel-Based Nanocomposites for Cardiovascular Diseases. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 251	5.8	18
66	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
65	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

64	A novel polysaccharide isolated from <i>Flammulina velutipes</i> , characterization, macrophage immunomodulatory activities and its impact on gut microbiota in rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2020</b> , 104, 735-748	2.6	18
63	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
62	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
61	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
60	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
59	Health benefits of dietary marine DHA/EPA-enriched glycerophospholipids. <i>Progress in Lipid Research</i> , <b>2019</b> , 75, 100997	14.3	92
58	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
57	Eicosapentaenoic acid in the form of phospholipids exerts superior anti-atherosclerosis effects to its triglyceride form in ApoE mice. <i>Food and Function</i> , <b>2019</b> , 10, 4177-4188	6.1	21
56	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
55	A polysaccharide isolated and purified from <i>Platycladus orientalis</i> (L.) Franco leaves, characterization, bioactivity and its regulation on macrophage polarization. <i>Carbohydrate Polymers</i> , <b>2019</b> , 213, 276-285	10.3	25
54	Comparative Analyses of DHA-Phosphatidylcholine Forage and Liposomes on Alzheimer's Disease in SAMP8 Mice. <i>European Journal of Lipid Science and Technology</i> , <b>2019</b> , 121, 1800524	3	8
53	Application of the Nano-Drug Delivery System in Treatment of Cardiovascular Diseases. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 489	5.8	79
52	Functional Hydrogels and Their Application in Drug Delivery, Biosensors, and Tissue Engineering. <i>International Journal of Polymer Science</i> , <b>2019</b> , 2019, 1-14	2.4	23
51	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
50	DHA-PC protects kidneys against cisplatin-induced toxicity and its underlying mechanisms in mice. <i>Food and Function</i> , <b>2019</b> , 10, 1571-1581	6.1	12
49	Eicosapentaenoic Acid-Enriched Phosphatidylcholine Mitigated A $\beta$ -42-Induced Neurotoxicity via Autophagy-Inflammasome Pathway. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 13767-13774	5.7	18
48	Effect of anacardic acid against echinococcosis through inhibition of VEGF-induced angiogenesis. <i>Veterinary Research</i> , <b>2019</b> , 50, 3	3.8	7
47	The use of proteomic technologies to study molecular mechanisms of multidrug resistance in cancer. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 162, 423-434	6.8	18

46	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
45	A comparative study of eicosapentaenoic acid enriched phosphatidylcholine and ethyl ester in improving cognitive deficiency in Alzheimer's disease model rats. <i>Food and Function</i> , <b>2018</b> , 9, 2184-2192	6.1	15
44	Andrographolide Antagonizes TNF- $\alpha$ -Induced IL-8 via Inhibition of NADPH Oxidase/ROS/NF- $\kappa$ B and Src/MAPKs/AP-1 Axis in Human Colorectal Cancer HCT116 Cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 5139-5148	5.7	31
43	Effects of Astaxanthin and Docosahexaenoic-Acid-Acylated Astaxanthin on Alzheimer's Disease in APP/PS1 Double-Transgenic Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 4948-4957	5.7	52
42	A comparative study of EPA-enriched ethanolamine plasmalogen and EPA-enriched phosphatidylethanolamine on A $\beta$ -induced cognitive deficiency in a rat model of Alzheimer's disease. <i>Food and Function</i> , <b>2018</b> , 9, 3008-3017	6.1	40
41	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
40	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
39	Comparative Analysis of EPA/DHA-PL Forage and Liposomes in Orotic Acid-Induced Nonalcoholic Fatty Liver Rats and Their Related Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1408-1418	5.7	15
38	Protective Effects of DHA-PC against Vancomycin-Induced Nephrotoxicity through the Inhibition of Oxidative Stress and Apoptosis in BALB/c Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 4754-4764	5.7	28
37	Sea cucumber saponin liposomes ameliorate obesity-induced inflammation and insulin resistance in high-fat-diet-fed mice. <i>Food and Function</i> , <b>2018</b> , 9, 861-870	6.1	23
36	EPA enriched ethanolamine plasmalogens significantly improve cognition of Alzheimer's disease mouse model by suppressing $\beta$ -amyloid generation. <i>Journal of Functional Foods</i> , <b>2018</b> , 41, 9-18	5.1	32
35	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. <i>Food and Function</i> , <b>2018</b> , 9, 643-654	6.1	38
34	Saponin from sea cucumber exhibited more significant effects than ginsenoside on ameliorating high fat diet-induced obesity in C57BL/6 mice. <i>MedChemComm</i> , <b>2018</b> , 9, 725-734	5	14
33	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
32	Synergistic effect of eicosapentaenoic acid-enriched phospholipids and sea cucumber saponin on orotic acid-induced non-alcoholic fatty liver disease in rats. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 172182	3.3	9
31	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
30	Structural Design and Physicochemical Foundations of Hydrogels for Biomedical Applications. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 963-981	4.3	6
29	Enhancement of Anti-Inflammatory Properties of Nobiletin in Macrophages by a Nano-Emulsion Preparation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 91-98	5.7	40

28	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
27	A comparative study about EPA-PL and EPA-EE on ameliorating behavioral deficits in MPTP-induced mice with Parkinson disease by suppressing oxidative stress and apoptosis. <i>Journal of Functional Foods</i> , <b>2018</b> , 50, 8-17	5.1	19
26	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
25	Identification of Peptide Biomarkers for Discrimination of Shrimp Species through SWATH-MS-Based Proteomics and Chemometrics. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 10567-10574	5.7	23
24	A review of cardiovascular toxicity of TiO <sub>2</sub> , ZnO and Ag nanoparticles (NPs). <i>BioMetals</i> , <b>2018</b> , 31, 457-476	3.4	39
23	Structural characteristics and bioactive properties of a novel polysaccharide from <i>Flammulina velutipes</i> . <i>Carbohydrate Polymers</i> , <b>2018</b> , 197, 147-156	10.3	50
22	HO oxidative preparation, characterization and antiradical activity of a novel oligosaccharide derived from flaxseed gum. <i>Food Chemistry</i> , <b>2017</b> , 230, 135-144	8.5	26
21	Macroporous resin purification and characterization of flavonoids from <i>Platycladus orientalis</i> (L.) Franco and their effects on macrophage inflammatory response. <i>Food and Function</i> , <b>2017</b> , 8, 86-95	6.1	34
20	Extraction of antioxidant and antiproliferative ingredients from fruits of Hu by active tracking guidance. <i>MedChemComm</i> , <b>2017</b> , 8, 1673-1680	5	14
19	Integration of Novel Materials and Advanced Genomic Technologies into New Vaccine Design. <i>Current Topics in Medicinal Chemistry</i> , <b>2017</b> , 17, 2286-2301	3	6
18	Anti-inflammatory activities of essential oil isolated from the calyx of <i>Hibiscus sabdariffa</i> L. <i>Food and Function</i> , <b>2016</b> , 7, 4451-4459	6.1	32
17	Analysis of the quantitative structure-activity relationship of glutathione-derived peptides based on different free radical scavenging systems. <i>MedChemComm</i> , <b>2016</b> , 7, 2083-2093	5	6
16	Physicochemical Characterization of a Polysaccharide Fraction from <i>Platycladus orientalis</i> (L.) Franco and Its Macrophage Immunomodulatory and Anti-Hepatitis B Virus Activities. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 5813-23	5.7	53
15	Strategies for transporting nanoparticles across the blood-brain barrier. <i>Biomaterials Science</i> , <b>2016</b> , 4, 219-29	7.4	160
14	Protective effects of kaempferol against reactive oxygen species-induced hemolysis and its antiproliferative activity on human cancer cells. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 114, 24-32	6.8	83
13	Synthesis and Characterization of a Walnut Peptides-Zinc Complex and Its Antiproliferative Activity against Human Breast Carcinoma Cells through the Induction of Apoptosis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 1509-19	5.7	43
12	Engineering sheet peptide assemblies for biomedical applications. <i>Biomaterials Science</i> , <b>2016</b> , 4, 365-74	7.4	66
11	Novel walnut peptide-selenium hybrids with enhanced anticancer synergism: facile synthesis and mechanistic investigation of anticancer activity. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 1305-27	7.3	34

10	Powering up the molecular therapy of RNA interference by novel nanoparticles. <i>Biomaterials Science</i> , <b>2016</b> , 4, 1051-61	7.4	20
9	Flavonoid glycosides from <i>Rubus chingii</i> Hu fruits display anti-inflammatory activity through suppressing MAPKs activation in macrophages. <i>Journal of Functional Foods</i> , <b>2015</b> , 18, 235-243	5.1	51
8	Effects of thonningianin A in natural foods on apoptosis and cell cycle arrest of HepG-2 human hepatocellular carcinoma cells. <i>Food and Function</i> , <b>2015</b> , 6, 2588-97	6.1	23
7	Bioactivities and extraction optimization of crude polysaccharides from the fruits and leaves of <i>Rubus chingii</i> Hu. <i>Carbohydrate Polymers</i> , <b>2015</b> , 130, 307-15	10.3	66
6	Tormentic acid in foods exerts anti-proliferation efficacy through inducing apoptosis and cell cycle arrest. <i>Journal of Functional Foods</i> , <b>2015</b> , 19, 575-583	5.1	18
5	Structure characterization of a novel polysaccharide from <i>Dictyophora indusiata</i> and its macrophage immunomodulatory activities. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 535-44	5.7	122
4	Biofunctionalization of Selenium Nanoparticle with <i>Dictyophora Indusiata</i> Polysaccharide and Its Antiproliferative Activity through Death-Receptor and Mitochondria-Mediated Apoptotic Pathways. <i>Scientific Reports</i> , <b>2015</b> , 5, 18629	4.9	68
3	Intracellular antioxidant detoxifying effects of diosmetin on 2,2-azobis(2-amidinopropane) dihydrochloride (AAPH)-induced oxidative stress through inhibition of reactive oxygen species generation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 8648-54	5.7	115
2	Recrystallization of dihydromyricetin from <i>Ampelopsis grossedentata</i> and its anti-oxidant activity evaluation. <i>Rejuvenation Research</i> , <b>2014</b> , 17, 422-9	2.6	36
1	Hepatoprotective function of <i>Penthorum chinense</i> Pursh. <i>Food and Function</i> , <b>2013</b> , 4, 1581-5	6.1	33