

# Guodong 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.

81  
papers

2,203  
citations

25  
h-index

45  
g-index

86  
ext. papers

2,841  
ext. citations

6.5  
avg, IF

5.27  
L-index

#	Paper	IF	Citations
81	Microbial enzymes induce colitis by reactivating triclosan in the mouse gastrointestinal tract.. <i>Nature Communications</i> , <b>2022</b> , 13, 136	17.4	3
80	Continuous Dermal Exposure to Triclocarban Perturbs the Homeostasis of Liver-Gut Axis in Mice: Insights from Metabolic Interactions and Microbiome Shifts. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5117-5127	10.3	4
79	Potential chemopreventive, anticancer and anti-inflammatory properties of a refined artocarpin-rich wood extract of <i>Artocarpus heterophyllus</i> Lam. <i>Scientific Reports</i> , <b>2021</b> , 11, 6854	4.9	1
78	Roles of Lipid Peroxidation-Derived Electrophiles in Pathogenesis of Colonic Inflammation and Colon Cancer. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 665591	5.7	4
77	The lipid peroxidation product EKODE exacerbates colonic inflammation and colon tumorigenesis. <i>Redox Biology</i> , <b>2021</b> , 42, 101880	11.3	4
76	Frequent occurrence of triclosan hydroxylation in mammals: A combined theoretical and experimental investigation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 407, 124803	12.8	4
75	Metabolic fate of environmental chemical triclocarban in colon tissues: roles of gut microbiota involved. <i>Science of the Total Environment</i> , <b>2021</b> , 787, 147677	10.2	2
74	Foodborne Titanium Dioxide Nanoparticles Induce Stronger Adverse Effects in Obese Mice than Non-Obese Mice: Gut Microbiota Dysbiosis, Colonic Inflammation, and Proteome Alterations. <i>Small</i> , <b>2020</b> , 16, e2001858	11	25
73	How To Stabilize $\omega$ Polyunsaturated Fatty Acids (PUFAs) in an Animal Feeding Study?-Effects of the Temperature, Oxygen Level, and Antioxidant on Oxidative Stability of $\omega$ PUFAs in a Mouse Diet. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 13146-13153	5.7	8
72	Soluble epoxide hydrolase is an endogenous regulator of obesity-induced intestinal barrier dysfunction and bacterial translocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 8431-8436	11.5	11
71	Effects of Linoleic Acid-Rich Diet on Plasma Profiles of Eicosanoids and Development of Colitis in -10 Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 7641-7647	5.7	0
70	Triclosan has a robust, yet reversible impact on human gut microbial composition in vitro. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234046	3.7	2
69	Click chemistry-based imaging to study the tissue distribution of the curcumin-protein complex in mice. <i>Food and Function</i> , <b>2020</b> , 11, 1684-1691	6.1	
68	Rapid capture and SERS detection of triclosan using a silver nanoparticle core - protein satellite substrate. <i>Science of the Total Environment</i> , <b>2020</b> , 716, 137097	10.2	3
67	Triclocarban Exposure Exaggerates Spontaneous Colonic Inflammation in Il-10 <sup>-/-</sup> Mice. <i>Toxicological Sciences</i> , <b>2020</b> , 174, 92-99	4.4	11
66	Triclocarban exposure exaggerates colitis and colon tumorigenesis: roles of gut microbiota involved. <i>Gut Microbes</i> , <b>2020</b> , 12, 1690364	8.8	13
65	trans, trans-2,4-Decadienal, a lipid peroxidation product, induces inflammatory responses via Hsp90- or 14-3-3-dependent mechanisms. <i>Journal of Nutritional Biochemistry</i> , <b>2020</b> , 76, 108286	6.3	3

64	Soluble epoxide hydrolase as a therapeutic target for obesity-induced disorders: roles of gut barrier function involved. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2020</b> , 162, 102180	2.8	0
63	Role of linoleic acid-derived oxylipins in cancer. <i>Cancer and Metastasis Reviews</i> , <b>2020</b> , 39, 581-582	9.6	7
62	EB Polyunsaturated Fatty Acids on Colonic Inflammation and Colon Cancer: Roles of Lipid-Metabolizing Enzymes Involved. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	3
61	Food Additives: Foodborne Titanium Dioxide Nanoparticles Induce Stronger Adverse Effects in Obese Mice than Non-Obese Mice: Gut Microbiota Dysbiosis, Colonic Inflammation, and Proteome Alterations (Small 36/2020). <i>Small</i> , <b>2020</b> , 16, 2070199	11	0
60	Thermally Processed Oil Exaggerates Colonic Inflammation and Colitis-Associated Colon Tumorigenesis in Mice. <i>Cancer Prevention Research</i> , <b>2019</b> , 12, 741-750	3.2	13
59	Inhibitory effects of 7,7-ubromo-curcumin on 12-O-tetradecanoylphorbol-13-acetate-induced skin inflammation. <i>European Journal of Pharmacology</i> , <b>2019</b> , 858, 172479	5.3	4
58	Click chemistry approach to characterize curcumin-protein interactions in vitro and in vivo. <i>Journal of Nutritional Biochemistry</i> , <b>2019</b> , 68, 1-6	6.3	6
57	Inhibition of soluble epoxide hydrolase attenuates a high-fat diet-mediated renal injury by activating PAX2 and AMPK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 5154-5159	11.5	16
56	Targeted Metabolomics Identifies the Cytochrome P450 Monooxygenase Eicosanoid Pathway as a Novel Therapeutic Target of Colon Tumorigenesis. <i>Cancer Research</i> , <b>2019</b> , 79, 1822-1830	10.1	29
55	An anaerobic bacterium host system for heterologous expression of natural product biosynthetic gene clusters. <i>Nature Communications</i> , <b>2019</b> , 10, 3665	17.4	18
54	Mapping of Pesticide Transmission on Biological Tissues by Surface Enhanced Raman Microscopy with a Gold Nanoparticle Mirror. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44894-44904	9.5	10
53	Cytochrome P450 monooxygenase/soluble epoxide hydrolase-mediated eicosanoid pathway in colorectal cancer and obesity-associated colorectal cancer. <i>Oncoscience</i> , <b>2019</b> , 6, 371-375	0.8	5
52	Cytochrome P450 Eicosanoid Signaling Pathway in Colorectal Tumorigenesis. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1161, 115-123	3.6	2
51	Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 9168-9177	5.7	47
50	Cytochrome P450 monooxygenase-mediated eicosanoid pathway: A potential mechanistic linkage between dietary fatty acid consumption and colon cancer risk. <i>Food Science and Human Wellness</i> , <b>2019</b> , 8, 337-343	8.3	3
49	Consumer Antimicrobials on Gut Microbiota and Gut Health. <i>DNA and Cell Biology</i> , <b>2019</b> , 38, 7-9	3.6	3
48	Triclosan, a common antimicrobial ingredient, on gut microbiota and gut health. <i>Gut Microbes</i> , <b>2019</b> , 10, 434-437	8.8	15
47	Curcumin: Recent Advances in the Development of Strategies to Improve Oral Bioavailability. <i>Annual Review of Food Science and Technology</i> , <b>2019</b> , 10, 597-617	14.7	66

46	Intraperitoneal injection of 4-hydroxynonenal (4-HNE), a lipid peroxidation product, exacerbates colonic inflammation through activation of Toll-like receptor 4 signaling. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 131, 237-242	7.8	17
45	Effects of Consumer Antimicrobials Benzalkonium Chloride, Benzethonium Chloride, and Chloroxylenol on Colonic Inflammation and Colitis-Associated Colon Tumorigenesis in Mice. <i>Toxicological Sciences</i> , <b>2018</b> , 163, 490-499	4.4	13
44	Lipidomic profiling reveals soluble epoxide hydrolase as a therapeutic target of obesity-induced colonic inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 5283-5288	11.5	44
43	Pharmacological inhibition or genetic ablation of soluble epoxide hydrolase attenuates obesity-induced nonalcoholic fatty liver disease. <i>FASEB Journal</i> , <b>2018</b> , 32, 560.7	0.9	1
42	Beneficial effects of an investigational wristband containing Synsepalum dulcificum (miracle fruit) seed oil on the performance of hand and finger motor skills in healthy subjects: A randomized controlled preliminary study. <i>Phytotherapy Research</i> , <b>2018</b> , 32, 321-332	6.7	3
41	Stability of curcumin in oil-in-water emulsions: Impact of emulsifier type and concentration on chemical degradation. <i>Food Research International</i> , <b>2018</b> , 111, 178-186	7	47
40	A common antimicrobial additive increases colonic inflammation and colitis-associated colon tumorigenesis in mice. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	62
39	Eicosanoid signaling in carcinogenesis of colorectal cancer. <i>Cancer and Metastasis Reviews</i> , <b>2018</b> , 37, 257-267	267	18
38	Potential roles of chemical degradation in the biological activities of curcumin. <i>Food and Function</i> , <b>2017</b> , 8, 907-914	6.1	45
37	Chemistry and biology of $\Omega$ PUFA peroxidation-derived compounds. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2017</b> , 132, 84-91	3.7	29
36	Biological Implications of Lipid Oxidation Products. <i>JAOCS, Journal of the American Oil Chemistsn Society</i> , <b>2017</b> , 94, 339-351	1.8	95
35	Lipidomic profiling of high-fat diet-induced obesity in mice: Importance of cytochrome P450-derived fatty acid epoxides. <i>Obesity</i> , <b>2017</b> , 25, 132-140	8	22
34	Structure-Activity Relationship of Curcumin: Role of the Methoxy Group in Anti-inflammatory and Anticolitis Effects of Curcumin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 4509-4515	5.7	39
33	Physical and Chemical Stability of Curcumin in Aqueous Solutions and Emulsions: Impact of pH, Temperature, and Molecular Environment. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 1525-1532	5.7	239
32	In vitro and in vivo inhibitory effects of a <i>Pleurotus eryngii</i> protein on colon cancer cells. <i>Food and Function</i> , <b>2017</b> , 8, 3553-3562	6.1	14
31	$\Omega$ Polyunsaturated fatty acids and their cytochrome P450-derived metabolites suppress colorectal tumor development in mice. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 48, 29-35	6.3	21
30	High Fat Diet Alters Gut Microbiota and the Expression of Paneth Cell-Antimicrobial Peptides Preceding Changes of Circulating Inflammatory Cytokines. <i>Mediators of Inflammation</i> , <b>2017</b> , 2017, 9474898	4.3	75
29	Structure and activity relationship of curcumin: role of methoxy group in anti-inflammatory and anti-colitis effects of curcumin. <i>FASEB Journal</i> , <b>2017</b> , 31, 972.24	0.9	3

28	Manipulation of Curcumin Degradation to Enhance its Stability and Biological Activity. <i>FASEB Journal</i> , <b>2017</b> , 31, 972-25	0.9	
27	Effects of Stable Degradation Products of Curcumin on Cancer Cell Proliferation and Inflammation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 9189-9195	5.7	33
26	Alliin inhibits lymphangiogenesis through suppressing activation of vascular endothelial growth factor (VEGF) receptor. <i>Journal of Nutritional Biochemistry</i> , <b>2016</b> , 29, 83-9	6.3	11
25	Enhancement of carotenoid bioaccessibility from carrots using excipient emulsions: influence of particle size of digestible lipid droplets. <i>Food and Function</i> , <b>2016</b> , 7, 93-103	6.1	77
24	Impact of Lipid Content on the Ability of Excipient Emulsions to Increase Carotenoid Bioaccessibility from Natural Sources (Raw and Cooked Carrots). <i>Food Biophysics</i> , <b>2016</b> , 11, 71-80	3.2	34
23	Redox modulation of curcumin stability: Redox active antioxidants increase chemical stability of curcumin. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 487-94	5.9	31
22	Effects of high-fat diet on plasma profiles of eicosanoid metabolites in mice. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2016</b> , 127, 9-13	3.7	14
21	Influence of Lipid Phase Composition of Excipient Emulsions on Curcumin Solubility, Stability, and Bioaccessibility. <i>Food Biophysics</i> , <b>2016</b> , 11, 213-225	3.2	45
20	Oxidative Conversion Mediates Antiproliferative Effects of tert-Butylhydroquinone: Structure and Activity Relationship Study. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 3743-8	5.7	9
19	Enhancing Nutraceutical Bioavailability from Raw and Cooked Vegetables Using Excipient Emulsions: Influence of Lipid Type on Carotenoid Bioaccessibility from Carrots. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 10508-17	5.7	52
18	Chemopreventive effects of nobiletin and its colonic metabolites on colon carcinogenesis. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 2383-94	5.9	55
17	Curcumin inhibits lymphangiogenesis in vitro and in vivo. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 2345-54	5.9	14
16	EB polyunsaturated fatty acids-derived lipid metabolites on angiogenesis, inflammation and cancer. <i>Prostaglandins and Other Lipid Mediators</i> , <b>2014</b> , 113-115, 13-20	3.7	97
15	Stabilized epoxygenated fatty acids regulate inflammation, pain, angiogenesis and cancer. <i>Progress in Lipid Research</i> , <b>2014</b> , 53, 108-23	14.3	111
14	Dual inhibition of cyclooxygenase-2 and soluble epoxide hydrolase synergistically suppresses primary tumor growth and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11127-32	11.5	68
13	Inhibitory effects of epoxy metabolites of docosahexaenoic acid on human colon cancer stem cells (261.3). <i>FASEB Journal</i> , <b>2014</b> , 28, 261.3	0.9	
12	Layer-by-layer structured gelatin nanofiber membranes with photoinduced antibacterial functions. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 970-975	2.9	12
11	Glutathione conjugation attenuates biological activities of 6-dehydroshogaol from ginger. <i>Food Chemistry</i> , <b>2013</b> , 140, 1-8	8.5	17

10	A tissue homogenate method to prepare gram-scale <i>Allium</i> thiosulfinates and their disulfide conjugates with cysteine and glutathione. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 3030-8	5-7	11
9	Synthesis and biological evaluation of sorafenib- and regorafenib-like sEH inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 3732-7	2-9	74
8	Organoselenium compounds modulate extracellular redox by induction of extracellular cysteine and cell surface thioredoxin reductase. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 456-64	4	17
7	S-alk(en)ylmercaptocysteine: chemical synthesis, biological activities, and redox-related mechanism. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 1896-903	5-7	17
6	Preparation of 20-HETE using multifunctional enzyme type 2-negative <i>Starmmerella bombicola</i> . <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 3215-9	6-3	11
5	Epoxy metabolites of docosahexaenoic acid (DHA) inhibit angiogenesis, tumor growth, and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 6530-5	11.5	221
4	Gelatin nanofibers fabricated by extruding immiscible polymer solution blend and their application in tissue engineering. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18674		11
3	Cysteine and glutathione mixed-disulfide conjugates of thiosulfinates: chemical synthesis and biological activities. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 1564-71	5-7	29
2	Redox modulation as a mechanistic feature of biological effects of cysteine and glutathione mixed disulfide conjugates of <i>Allium</i> thiosulfinates. <i>FASEB Journal</i> , <b>2010</b> , 24, 217.7	0-9	
1	A chemoenzymatic method to prepare gram-scale <i>Allium</i> organosulfur compounds and their presumptive metabolic products, and associated biological activities. <i>FASEB Journal</i> , <b>2010</b> , 24, 928.1	0-9	