Xiaodoong Zheng

List of Publications by Citations

92 papers	2,113 citations	25 h-index	41 g-index
99 ext. papers	2,644 ext. citations	5.7 avg, IF	5.34 L-index

#	Paper	IF	Citations
92	Mulberry anthocyanin extract ameliorates insulin resistance by regulating PI3K/AKT pathway in HepG2 cells and db/db mice. *Journal of Nutritional Biochemistry*, **2016**, 36, 68-80	6.3	105
91	Protective effect of wild raspberry (Rubus hirsutus Thunb.) extract against acrylamide-induced oxidative damage is potentiated after simulated gastrointestinal digestion. *Food Chemistry*, **2016**, 196, 943-52	8.5	94
90	Aminobutyric acid induces resistance against Penicillium expansum by priming of defence responses in pear fruit. *Food Chemistry*, **2014**, 159, 29-37	8.5	93
89	Detoxification of mycotoxin patulin by the yeast Rhodosporidium paludigenum. *Food Chemistry*, **2015**, 179, 1-5	8.5	85
88	Antioxidant and antidiabetic activity of blackberry after gastrointestinal digestion and human gut microbiota fermentation. *Food Chemistry*, **2018**, 269, 618-627	8.5	75
87	Procyanidin B2 ameliorates free fatty acids-induced hepatic steatosis through regulating TFEB-mediated lysosomal pathway and redox state. *Free Radical Biology and Medicine*, **2018**, 126, 269-286	7.8	72
86	Red pitaya betacyanins protects from diet-induced obesity, liver steatosis and insulin resistance in association with modulation of gut microbiota in mice. *Journal of Gastroenterology and Hepatology (Australia)*, **2016**, 31, 1462-9	4	63
85	Mulberry and cherry anthocyanin consumption prevents oxidative stress and inflammation in diet-induced obese mice. *Molecular Nutrition and Food Research*, **2016**, 60, 687-94	5.9	59
84	A recyclable protein resource derived from cauliflower by-products: Potential biological activities of protein hydrolysates. *Food Chemistry*, **2017**, 221, 114-122	8.5	58
83	Systematic evaluation of phenolic compounds and protective capacity of a new mulberry cultivar J33 against palmitic acid-induced lipotoxicity using a simulated digestion method. *Food Chemistry*, **2018**, 258, 43-50	8.5	56
82	Induced resistance in tomato fruit by aminobutyric acid for the control of alternaria rot caused by Alternaria alternata. *Food Chemistry*, **2017**, 221, 1014-1020	8.5	55
81	Chitin isolated from yeast cell wall induces the resistance of tomato fruit to Botrytis cinerea. *Carbohydrate Polymers*, **2018**, 199, 341-352	10.3	53
80	Mulberry anthocyanin extract regulates glucose metabolism by promotion of glycogen synthesis and reduction of gluconeogenesis in human HepG2 cells. *Food and Function*, **2016**, 7, 425-33	6.1	52
79	Hispidin derived from Phellinus linteus affords protection against acrylamide-induced oxidative stress in Caco-2 cells. *Chemico-Biological Interactions*, **2014**, 219, 83-9	5	52
78	Blackberry subjected to in vitro gastrointestinal digestion affords protection against Ethyl Carbamate-induced cytotoxicity. *Food Chemistry*, **2016**, 212, 620-7	8.5	46
77	Anti-obesity effects of artificial planting blueberry (Vaccinium ashei) anthocyanin in high-fat diet-treated mice. *International Journal of Food Sciences and Nutrition*, **2016**, 67, 257-64	3.7	43
76	Purified Betacyanins from Hylocereus undatus Peel Ameliorate Obesity and Insulin Resistance in High-Fat-Diet-Fed Mice. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 236-44	5.7	38

75	Mulberry Anthocyanin Extract Ameliorates Oxidative Damage in HepG2 Cells and Prolongs the Lifespan of through MAPK and Nrf2 Pathways. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 7956158	6.7	37
74	Mulberry ethanol extract attenuates hepatic steatosis and insulin resistance in high-fat diet-fed mice. *Nutrition Research*, **2016**, 36, 710-8	4	35
73	Effect of Cryptococcus laurentii on inducing disease resistance in cherry tomato fruit with focus on the expression of defense-related genes. *Food Chemistry*, **2018**, 254, 208-216	8.5	32
72	Formulation of food-grade microemulsions with glycerol monolaurate: effects of short-chain alcohols, polyols, salts and nonionic surfactants. *European Food Research and Technology*, **2008**, 226, 613-619	3.4	31
71	White Pitaya (Hylocereus undatus) Juice Attenuates Insulin Resistance and Hepatic Steatosis in Diet-Induced Obese Mice. *PLoS ONE*, **2016**, 11, e0149670	3.7	30
70	Cherry Anthocyanins Regulate NAFLD by Promoting Autophagy Pathway. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 4825949	6.7	29
69	Dietary sweet cherry anthocyanins attenuates diet-induced hepatic steatosis by improving hepatic lipid metabolism in mice. *Nutrition*, **2016**, 32, 827-33	4.8	26
68	Dietary fibers as emerging nutritional factors against diabetes: focus on the involvement of gut microbiota. *Critical Reviews in Biotechnology*, **2019**, 39, 524-540	9.4	25
67	Protective effect of mulberry fruit anthocyanin on human hepatocyte cells (LO2) and Caenorhabditis elegans under hyperglycemic conditions. *Food Research International*, **2017**, 102, 213-224	7	24
66	Apios americana Medikus tuber polysaccharide exerts anti-inflammatory effects by activating autophagy. *International Journal of Biological Macromolecules*, **2019**, 130, 892-902	7.9	24
65	6-Benzylaminopurine inhibits growth of Monilinia fructicola and induces defense-related mechanism in peach fruit. *Food Chemistry*, **2015**, 187, 210-7	8.5	24
64	Apios americana Medik flowers extract protects PC12 cells against HO induced neurotoxicity via regulating autophagy. *Food and Chemical Toxicology*, **2019**, 124, 231-238	4.7	24
63	Apios americana Medik flowers polysaccharide (AFP-2) attenuates HO induced neurotoxicity in PC12 cells. *International Journal of Biological Macromolecules*, **2019**, 123, 1115-1124	7.9	24
62	Effect of the yeast Rhodosporidium paludigenum on postharvest decay and patulin accumulation in apples and pears. *Journal of Food Protection*, **2015**, 78, 157-63	2.5	23
61	Quaternary chitosan oligomers enhance resistance and biocontrol efficacy of Rhodosporidium paludigenum to green mold in satsuma orange. *Carbohydrate Polymers*, **2014**, 113, 174-81	10.3	22
60	Postharvest Control of Green Mold Decay of Citrus Fruit Using Combined Treatment with Sodium Bicarbonate and Rhodosporidium paludigenum. *Food and Bioprocess Technology*, **2013**, 6, 2925-2930	5.1	22
59	A rabbit monoclonal antibody-based sensitive competitive indirect enzyme-linked immunoassay for rapid detection of chloramphenicol residue. *Food and Agricultural Immunology*, **2014**, 25, 523-534	2.9	22
58	Control of postharvest Rhizopus rot of peach by microwave treatment and yeast antagonist. *European Food Research and Technology*, **2004**, 218, 568-572	3.4	22

57	Yeast cell wall induces disease resistance against Penicillium expansum in pear fruit and the possible mechanisms involved. *Food Chemistry*, **2018**, 241, 301-307	8.5	22
56	Tetrastigma hemsleyanum tubers polysaccharide ameliorates LPS-induced inflammation in macrophages and Caenorhabditis elegans. *International Journal of Biological Macromolecules*, **2019**, 141, 611-621	7.9	21
55	Transcript profiling analysis of Rhodosporidium paludigenum-mediated signalling pathways and defense responses in mandarin orange. *Food Chemistry*, **2015**, 172, 603-12	8.5	21
54	Tetrastigma hemsleyanum leaves extract against acrylamide-induced toxicity in HepG2 cells and Caenorhabditis elegans. *Journal of Hazardous Materials*, **2020**, 393, 122364	12.8	20
53	l-Glutamate treatment enhances disease resistance of tomato fruit by inducing the expression of glutamate receptors and the accumulation of amino acids. *Food Chemistry*, **2019**, 293, 263-270	8.5	19
52	Radix Tetrastigma flavonoid ameliorates inflammation and prolongs the lifespan of through JNK, p38 and Nrf2 pathways. *Free Radical Research*, **2019**, 53, 562-573	4	19
51	The ability of a cold-adapted Rhodotorula mucilaginosa strain from Tibet to control blue mold in pear fruit. *Antonie Van Leeuwenhoek*, **2015**, 108, 1391-1404	2.1	19
50	Antimicrobial effect of food-grade GML microemulsions against Staphylococcus aureus. *European Food Research and Technology*, **2007**, 226, 281-286	3.4	19
49	Effects of Piriformospora indica on the growth, fruit quality and interaction with Tomato yellow leaf curl virus in tomato cultivars susceptible and resistant to TYCLV. *Plant Growth Regulation*, **2015** , 76, 303-313	3.2	17
48	Wild Raspberry Subjected to Simulated Gastrointestinal Digestion Improves the Protective Capacity against Ethyl Carbamate-Induced Oxidative Damage in Caco-2 Cells. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 3297363	6.7	17
47	In vivo-like 3-D model for sodium nitrite- and acrylamide-induced hepatotoxicity tests utilizing HepG2 cells entrapped in micro-hollow fibers. *Scientific Reports*, **2017**, 7, 14837	4.9	16
46	Russula alutacea Fr. polysaccharide ameliorates inflammation in both RAW264.7 and zebrafish (Danio rerio) larvae. *International Journal of Biological Macromolecules*, **2020**, 145, 740-749	7.9	16
45	Apios americana Medik flowers polysaccharide (AFP) alleviate Cyclophosphamide-induced immunosuppression in ICR mice. *International Journal of Biological Macromolecules*, **2020**, 144, 829-836	7.9	15
44	Rhamnolipids induce oxidative stress responses in cherry tomato fruit to Alternaria alternata. *Pest Management Science*, **2016**, 72, 1500-7	4.6	15
43	Transcription factor EB (TFEB)-mediated autophagy protects against ethyl carbamate-induced cytotoxicity. *Journal of Hazardous Materials*, **2019**, 364, 281-292	12.8	15
42	Effects of C-Glycosides from Apios americana Leaves against Oxidative Stress during Hyperglycemia through Regulating Mitogen-Activated Protein Kinases and Nuclear Factor Erythroid 2-Related Factor 2. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 7457-7466	5.7	13
41	Simultaneous Raising of Rabbit Monoclonal Antibodies to Fluoroquinolones with Diverse Recognition Functionalities via Single Mixture Immunization. *Analytical Chemistry*, **2016**, 88, 1246-52	7.8	13
40	Andrographolide suppresses preadipocytes proliferation through glutathione antioxidant systems abrogation. *Life Sciences*, **2016**, 156, 21-29	6.8	13

39	Comparison of the effects of three types of aminobutyric acids on the control of Penicillium expansum infection in pear fruit. *Journal of the Science of Food and Agriculture*, **2017**, 97, 1497-1501	4.3	12
38	Cryptococcus laurentii controls gray mold of cherry tomato fruit via modulation of ethylene-associated immune responses. *Food Chemistry*, **2019**, 278, 240-247	8.5	12
37	Green extraction of mulberry anthocyanin with improved stability using Cyclodextrin. *Journal of the Science of Food and Agriculture*, **2019**, 99, 2494-2503	4.3	12
36	Suppression of postharvest blue mould of apple fruit by Cryptococcus laurentii and N6-benzyladenine. *Journal of the Science of Food and Agriculture*, **2008**, 88, 1266-1271	4.3	11
35	Purified Tetrastigma hemsleyanum vines polysaccharide attenuates EC-induced toxicity in Caco-2 cells and Caenorhabditis elegans via DAF-16/FOXO pathway. *International Journal of Biological Macromolecules*, **2020**, 150, 1192-1202	7.9	11
34	Dietary anthocyanin-rich extract of aai protects from diet-induced obesity, liver steatosis, and insulin resistance with modulation of gut microbiota in mice. *Nutrition*, **2021**, 86, 111176	4.8	11
33	Biocontrol activity of a cold-adapted yeast from Tibet against gray mold in cherry tomato and its action mechanism. *Extremophiles*, **2017**, 21, 789-803	3	10
32	Plant volatile organic compound (E)-2-hexenal facilitates Botrytis cinerea infection of fruits by inducing sulfate assimilation. *New Phytologist*, **2021**, 231, 432-446	9.8	10
31	Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice. *Journal of the Science of Food and Agriculture*, **2021**,	4.3	10
30	Effect of glucan on stress tolerances and biocontrol efficacy of Cryptococcus laurentii against Penicillium expansum in pear fruit. *BioControl*, **2015**, 60, 669-679	2.3	9
29	Control of Alternaria Rot of Cherry Tomatoes by Food-Grade Laurus Nobilis Essential Oil Microemulsion. *Journal of Food Safety*, **2017**, 37, e12286	2	8
28	The Mechanism of Action of Pterostilbene in Xinjiang Wine Grape Against the Growth of Geotrichum citri-aurantii. *Food Biotechnology*, **2016**, 30, 173-188	2.2	8
27	Structure-affinity relationship of dietary anthocyaninSA interaction. *Journal of Berry Research*, **2018**, 8, 1-9	2	8
26	Flavonoids from Medikus Leaves Protect RAW264.7 Cells against Inflammation via Inhibition of MAPKs, Akt-mTOR Pathways, and Nfr2 Activation. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 1563024	6.7	8
25	Significance of oxygen carriers and role of liquid paraffin in improving validamycin A production. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 1365-72	4.2	7
24	CaCO nanoparticles incorporated with KAE to enable amplified calcium overload cancer therapy. *Biomaterials*, **2021**, 277, 121080	15.6	7
23	Vine Flavone Ameliorates Glutamic Acid-Induced Neurotoxicity via MAPK Pathways. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 7509612	6.7	6
22	ANTIBACTERIAL ACTIVITIES OF A FOOD-GRADE DILUTION-STABLE MICROEMULSION. *Journal of Food Safety*, **2011**, 31, 232-237	2	6

21	Characterization and Antimicrobial Evaluation of Dilution-Stable Microemulsions Against Stenotrophomonas maltrophilia. *Journal of Dispersion Science and Technology*, **2009**, 30, 503-509	1.5	6
20	Comparing techniques for detecting the number of somatic cells in raw milk. *European Food Research and Technology*, **2005**, 220, 653-657	3.4	5
19	Structure-stability relationship of anthocyanins under cell culture condition. *International Journal of Food Sciences and Nutrition*, **2019**, 70, 285-293	3.7	5
18	Kaempferol-3--rutinoside, a flavone derived from , suppresses lung adenocarcinoma the calcium signaling pathway. *Food and Function*, **2021**, 12, 8351-8365	6.1	5
17	Characterization and overexpression of RHO1 from Cryptococcus laurentii ZJU10 activates CWI signaling pathway on enhancing the inhibition of blue mold on pears. *International Journal of Food Microbiology*, **2018**, 278, 1-10	5.8	5
16	Rabbit Monoclonal Antibody-Based Lateral Flow Immunoassay Platform for Sensitive Quantitation of Four Sulfonamide Residues in Milk and Swine Urine. *Analytical Letters*, **2013**, 46, 286-298	2.2	4
15	Canidin-3-glucoside prevents nano-plastics induced toxicity via activating autophagy and promoting discharge. *Environmental Pollution*, **2021**, 274, 116524	9.3	4
14	Black Current Anthocyanins Improve Lipid Metabolism and Modulate Gut Microbiota in High-Fat Diet-Induced Obese Mice. *Molecular Nutrition and Food Research*, **2021**, 65, e2001090	5.9	4
13	Inhibitory effects of anthocyanins on □glucosidase activity. *Journal of Berry Research*, **2019**, 9, 109-123	2	3
12	Black rice anthocyanins alleviate hyperlipidemia, liver steatosis and insulin resistance by regulating lipid metabolism and gut microbiota in obese mice. *Food and Function*, **2021**, 12, 10160-10170	6.1	3
11	Inhibits the Non-Small Cell Lung Cancer via Bax/Bcl-2/Caspase-9/Caspase-3 Pathway. *Nutrition and Cancer*, **2021**, 1-13	2.8	3
10	Pomegranate peel anthocyanins prevent diet-induced obesity and insulin resistance in association with modulation of the gut microbiota in mice.. *European Journal of Nutrition*, **2022**, 1	5.2	2
9	Red raspberry (poly)phenolic extract improves diet-induced obesity, hepatic steatosis and insulin resistance in obese mice. *Journal of Berry Research*, **2021**, 11, 349-362	2	2
8	Fecal microbiota transplantation attenuates nano-plastics induced toxicity in Caenorhabditis elegans. *Science of the Total Environment*, **2021**, 779, 146454	10.2	2
7	Food-derived cyanidin-3--glucoside alleviates oxidative stress: evidence from the islet cell line and diabetic db/db mice. *Food and Function*, **2021**, 12, 11599-11610	6.1	2
6	Metabolomics reveals key resistant responses in tomato fruit induced by .. *Food Chemistry Molecular Sciences*, **2022**, 4, 100066	1	1
5	Novel spectrophotometric approach for determination of validamycin A in fermentation of Streptomyces hygroscopicus. *Journal of Bioscience and Bioengineering*, **2016**, 122, 736-739	3.3	1
4	Coffee consumption is not associated with the risk of gastric cancer: An updated systematic review and meta-analysis of prospective cohort studies.. *Nutrition Research*, **2022**, 102, 35-44	4	1

3	Efficient Soluble Expression and Purification of Recombinant Human Acidic Fibroblast Growth Factor from Escherichia coli via Fusion with a Novel Collagen-like Protein Scl2. *Applied Biochemistry and Biotechnology*, **2020**, 191, 1562-1579	3.2	0
2	Highly efficient soluble expression and purification of recombinant human basic fibroblast growth factor (hbFGF) by fusion with a new collagen-like protein (Scl2) in. *Preparative Biochemistry and Biotechnology*, **2020**, 50, 598-606	2.4	0
1	Vaccinium bracteatum Thunb. fruit extract reduces high-fat diet-induced obesity with modulation of the gut microbiota in obese mice. *Journal of Food Biochemistry*, **2021**, 45, e13808	3.3	0