

Wei-Bin Bai

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,438
citations

147801

31
h-index

243625

44
g-index

81
all docs

81
docs citations

81
times ranked

2444
citing authors

#	ARTICLE	IF	CITATIONS
1	The consequence and mechanism of dietary flavonoids on androgen profiles and disorders amelioration. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 11327-11350.	10.3	2
2	Anthocyanin supplement as a dietary strategy in cancer prevention and management: A comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7242-7254.	10.3	45
3	Pyruvic acid stress caused color attenuation by interfering with anthocyanins metabolism during alcoholic fermentation. <i>Food Chemistry</i> , 2022, 372, 131251.	8.2	10
4	A critical review on the health benefits of fish consumption and its bioactive constituents. <i>Food Chemistry</i> , 2022, 369, 130874.	8.2	85
5	A comprehensive review on innovative and advanced stabilization approaches of anthocyanin by modifying structure and controlling environmental factors. <i>Food Chemistry</i> , 2022, 366, 130611.	8.2	94
6	Fabrication and characterization of β -cyclodextrin-epichlorohydrin grafted carboxymethyl chitosan for improving the stability of Cyanidin-3-glucoside. <i>Food Chemistry</i> , 2022, 370, 130933.	8.2	9
7	Cyanidin-3-O-glucoside ameliorates cadmium induced uterine epithelium proliferation in mice. <i>Journal of Hazardous Materials</i> , 2022, 425, 127571.	12.4	9
8	Manuka honey in combination with 5-Fluorouracil decreases physical parameters of colonspheres enriched with cancer stem-like cells and reduces their resistance to apoptosis. <i>Food Chemistry</i> , 2022, 374, 131753.	8.2	9
9	Effects of <i>Monascus</i> application on in vitro digestion and fermentation characteristics of fish protein. <i>Food Chemistry</i> , 2022, 377, 132000.	8.2	10
10	Warangalone Induces Apoptosis in HeLa Cells via Mitochondria-Mediated Endogenous Pathway. <i>EFood</i> , 2022, 2, 259-270.	3.1	3
11	Protective effect of food derived nutrients on cisplatin nephrotoxicity and its mechanism. <i>Food and Function</i> , 2022, 13, 4839-4860.	4.6	5
12	Cyanidin-3-O-Glucoside Supplement Improves Sperm Quality and Spermatogenesis in a Mice Model of Ulcerative Colitis. <i>Nutrients</i> , 2022, 14, 984.	4.1	11
13	Structural Characterization and <i>In Vitro</i> Fermentation Characteristics of Enzymatically Extracted Black Mulberry Polysaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3654-3665.	5.2	28
14	Isolation, Structural Properties, and Bioactivities of Polysaccharides from Mushrooms <i>Termitomyces</i> : A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 21-33.	5.2	14
15	Effects of Bisphenol A on reproductive toxicity and gut microbiota dysbiosis in male rats. <i>Ecotoxicology and Environmental Safety</i> , 2022, 239, 113623.	6.0	20
16	Recent advances on bioactive polysaccharides from mulberry. <i>Food and Function</i> , 2021, 12, 5219-5235.	4.6	27
17	Chronic oral exposure to cadmium causes liver inflammation by NLRP3 inflammasome activation in pubertal mice. <i>Food and Chemical Toxicology</i> , 2021, 148, 111944.	3.6	41
18	Available technologies on improving the stability of polyphenols in food processing. <i>Food Frontiers</i> , 2021, 2, 109-139.	7.4	98

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19	Subacute safety assessment of recombinant <i>Lactococcus lactis</i> on the gut microbiota of male Sprague-Dawley rats. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5807-5812.	3.5	2
20	Protective effects of anthocyanins on neurodegenerative diseases. <i>Trends in Food Science and Technology</i> , 2021, 117, 205-217.	15.1	44
21	Dietary Fiber Modulates the Fermentation Patterns of Cyanidin-3-O-Glucoside in a Fiber-Type Dependent Manner. <i>Foods</i> , 2021, 10, 1386.	4.3	20
22	Baking of methionine-choline deficient diet aggravates testis injury in mice. <i>Food and Chemical Toxicology</i> , 2021, 154, 112245.	3.6	3
23	Using untargeted metabolomics to profile the changes in roselle (<i>Hibiscus sabdariffa</i> L.) anthocyanins during wine fermentation. <i>Food Chemistry</i> , 2021, 364, 130425.	8.2	32
24	Anthocyanins in Food. , 2021, , 371-421.		0
25	Bioactive compounds from <i>Cudrania tricuspidata</i> : A natural anticancer source. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 494-514.	10.3	25
26	Species identification and quantification of silver pomfret using the droplet digital PCR assay. <i>Food Chemistry</i> , 2020, 302, 125331.	8.2	21
27	Cyanidin-3-O-glucoside restores spermatogenic dysfunction in cadmium-exposed pubertal mice via histone ubiquitination and mitigating oxidative damage. <i>Journal of Hazardous Materials</i> , 2020, 387, 121706.	12.4	53
28	Protective effects of cyanidin-3-O-glucoside on UVB-induced chronic skin photodamage in mice via alleviating oxidative damage and anti-inflammation. <i>Food Frontiers</i> , 2020, 1, 213-223.	7.4	18
29	Morin decreases acrolein-induced cell injury in normal human hepatocyte cell line LO2. <i>Journal of Functional Foods</i> , 2020, 75, 104234.	3.4	10
30	Synthesis, structural characterization, and evaluation of cyanidin-3-O-glucoside-loaded chitosan nanoparticles. <i>Food Chemistry</i> , 2020, 330, 127239.	8.2	21
31	The impact of ultrasonic treatment on blueberry wine anthocyanin color and its In-vitro anti-oxidant capacity. <i>Food Chemistry</i> , 2020, 333, 127455.	8.2	62
32	Comparative Study on the Stability and Antioxidant Activity of Six Pyranoanthocyanins Based on Malvidin-3-glucoside. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2783-2794.	5.2	41
33	<i>Food Frontiers</i> : An academically sponsored new journal. <i>Food Frontiers</i> , 2020, 1, 3-5.	7.4	1
34	A novel label-free electrochemical aptasensor with one-step assembly process for rapid detection of lead (II) ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128326.	7.8	35
35	Effects of Dietary Interventions on Gut Microbiota in Humans and the Possible Impacts of Foods on Patients' Responses to Cancer Immunotherapy. <i>EFood</i> , 2020, 1, 279-287.	3.1	28
36	Black Raspberries Suppress Colorectal Cancer by Enhancing Smad4 Expression in Colonic Epithelium and Natural Killer Cells. <i>Frontiers in Immunology</i> , 2020, 11, 570683.	4.8	12

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37	Qualitative and Quantitative Methods to Evaluate Anthocyanins. <i>EFood</i> , 2020, 1, 339-346.	3.1	21
38	The target cells of anthocyanins in metabolic syndrome. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 921-946.	10.3	57
39	Nutritional constituents, health benefits and processing of <i>Rosa Roxburghii</i> : A review. <i>Journal of Functional Foods</i> , 2019, 60, 103456.	3.4	64
40	Effects of cyanidin-3-O-glucoside on 3-chloro-1,2-propanediol induced intestinal microbiota dysbiosis in rats. <i>Food and Chemical Toxicology</i> , 2019, 133, 110767.	3.6	50
41	Cyanidin-3-O-glucoside inhibits UVA-induced human dermal fibroblast injury by upregulating autophagy. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2019, 35, 360-368.	1.5	18
42	Low Dose of Cyanidin-3-O-Glucoside Alleviated Dextran Sulfate Sodium-Induced Colitis, Mediated by CD169+ Macrophage Pathway. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 1510-1521.	1.9	23
43	Bioactive phytochemicals. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 827-829.	10.3	54
44	Cyanidin-3-O-glucoside protects against cadmium-induced dysfunction of sex hormone secretion via the regulation of hypothalamus-pituitary-gonadal axis in male pubertal mice. <i>Food and Chemical Toxicology</i> , 2019, 129, 13-21.	3.6	41
45	Final-2 targeted glycolysis mediated apoptosis and autophagy in human lung adenocarcinoma cells but failed to inhibit xenograft in nude mice. <i>Food and Chemical Toxicology</i> , 2019, 130, 1-11.	3.6	8
46	Cyanidin-3-O-glucoside promotes progesterone secretion by improving cells viability and mitochondrial function in cadmium-sulfate-damaged R2C cells. <i>Food and Chemical Toxicology</i> , 2019, 128, 97-105.	3.6	22
47	Highly Sensitive Label-Free Electrochemical Aptasensor Based on Screen-Printed Electrode for Detection of Cadmium (II) Ions. <i>Journal of the Electrochemical Society</i> , 2019, 166, B449-B455.	2.9	43
48	Scandanolone from <i>Cudrania tricuspidata</i> fruit extract suppresses the viability of breast cancer cells (MCF-7) in vitro and in vivo. <i>Food and Chemical Toxicology</i> , 2019, 126, 56-66.	3.6	17
49	Metabolism of anthocyanins and consequent effects on the gut microbiota. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 982-991.	10.3	135
50	Structure-Activity Relationship Analysis on Antioxidant and Anticancer Actions of Theaflavins on Human Colon Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 159-170.	5.2	17
51	Effects of low power ultrasonic treatment on the transformation of cyanidin-3-O-glucoside to methylpyranocyanidin-3-O-glucoside and its stability evaluation. <i>Food Chemistry</i> , 2019, 276, 240-246.	8.2	34
52	Recent advances of medical foods in China: The opportunities and challenges under standardization. <i>Food and Chemical Toxicology</i> , 2018, 119, 342-354.	3.6	3
53	Dietary exposure to cadmium of Shenzhen adult residents from a total diet study. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 707-715.	2.3	17
54	The effect of Cyanidin-3-O-glucoside on UVA-induced damage in human dermal fibroblasts. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2018, 34, 224-231.	1.5	16

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55	Protection of cyanidin-3-O-glucoside against acrylamide- and glycidamide-induced reproductive toxicity in leydig cells. <i>Food and Chemical Toxicology</i> , 2018, 119, 268-274.	3.6	50
56	Cyanidin-3-O-glucoside promotes the biosynthesis of progesterone through the protection of mitochondrial function in Pb-exposed rat leydig cells. <i>Food and Chemical Toxicology</i> , 2018, 112, 427-434.	3.6	34
57	Cyanidin-3-O-glucoside at Low Doses Protected against 3-Chloro-1,2-propanediol Induced Testis Injury and Improved Spermatogenesis in Male Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12675-12684.	5.2	47
58	6-Gingerol Regulates Hepatic Cholesterol Metabolism by Up-regulation of LDLR and Cholesterol Efflux-Related Genes in HepG2 Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 159.	3.5	17
59	Nanoencapsulation of Cyanidin-3-O-glucoside Enhances Protection Against UVB-Induced Epidermal Damage through Regulation of p53-Mediated Apoptosis in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5359-5367.	5.2	47
60	Toxic effects of zearalenone on gametogenesis and embryonic development: A molecular point of review. <i>Food and Chemical Toxicology</i> , 2018, 119, 24-30.	3.6	65
61	Cytoprotective effects of dietary flavonoids against cadmium-induced toxicity. <i>Annals of the New York Academy of Sciences</i> , 2017, 1398, 5-19.	3.8	76
62	Cyanidin-3-O-glucoside inhibits the UVB-induced ROS/COX-2 pathway in HaCaT cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 177, 24-31.	3.8	55
63	Scandanolone, a natural isoflavone derivative from <i>Cudrania tricuspidata</i> fruit, targets EGFR to induce apoptosis and block autophagy flux in human melanoma cells. <i>Journal of Functional Foods</i> , 2017, 37, 229-240.	3.4	14
64	Glycidamide inhibits progesterone production through reactive oxygen species-induced apoptosis in R2C Rat Leydig Cells. <i>Food and Chemical Toxicology</i> , 2017, 108, 563-570.	3.6	32
65	Sonodegradation of cyanidin-3-O-glucosylrutinoside: degradation kinetic analysis and its impact on antioxidant capacity <i>in vitro</i> . <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 1475-1481.	3.5	21
66	Stability, Antioxidant Capacity and Degradation Kinetics of Pelargonidin-3-glucoside Exposed to Ultrasound Power at Low Temperature. <i>Molecules</i> , 2016, 21, 1109.	3.8	26
67	Protective Effect of Cyanidin-3-O-Glucoside against Ultraviolet B Radiation-Induced Cell Damage in Human HaCaT Keratinocytes. <i>Frontiers in Pharmacology</i> , 2016, 7, 301.	3.5	42
68	Cyanidin-3-O-Glucoside Protects against 1,3-Dichloro-2-Propanol-Induced Reduction of Progesterone by Up-regulation of Steroidogenic Enzymes and cAMP Level in Leydig Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 399.	3.5	13
69	Possible adducts formed between hydroxymethylfurfural and selected amino acids, and their release in simulated gastric model. <i>International Journal of Food Science and Technology</i> , 2016, 51, 1002-1009.	2.7	15
70	Cytoprotective mechanism of ferulic acid against high glucose-induced oxidative stress in cardiomyocytes and hepatocytes. <i>Food and Nutrition Research</i> , 2016, 60, 30323.	2.6	45
71	Prevention of gastrointestinal lead poisoning using recombinant <i>Lactococcus lactis</i> expressing human metallothionein-I fusion protein. <i>Scientific Reports</i> , 2016, 6, 23716.	3.3	8
72	Chlorogenic acid increased 5-hydroxymethylfurfural formation when heating fructose alone or with aspartic acid at two pH levels. <i>Food Chemistry</i> , 2016, 190, 832-835.	8.2	49

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73	1,3-Dichloro-2-propanol inhibits progesterone production through the expression of steroidogenic enzymes and cAMP concentration in Leydig cells. Food Chemistry, 2014, 154, 330-336.	8.2	13
74	Toxic Mechanisms of 3-Monochloropropane-1,2-Diol on Progesterone Production in R2C Rat Leydig Cells. Journal of Agricultural and Food Chemistry, 2013, 61, 9955-9960.	5.2	27
75	Effects of electrode materials on the degradation, spectral characteristics, visual colour, and antioxidant capacity of cyanidin-3-glucoside and cyanidin-3-sophoroside during pulsed electric field (PEF) treatment. Food Chemistry, 2011, 128, 742-747.	8.2	37
76	Identification of degradation pathways and products of cyanidin-3-sophoroside exposed to pulsed electric field. Food Chemistry, 2011, 126, 1203-1210.	8.2	46
77	Comparative analyses of copigmentation of cyanidin 3-glucoside and cyanidin 3-sophoroside from red raspberry fruits. Food Chemistry, 2010, 120, 1131-1137.	8.2	70
78	Cyanidin-3-glucoside supplementation in cryopreservation medium improves human sperm quality. Andrologia, 0, , .	2.1	0