

Xiaoyun He

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,180
citations

186209

28
h-index

302012

39
g-index

99
all docs

99
docs citations

99
times ranked

2563
citing authors

#	ARTICLE	IF	CITATIONS
1	Red Ginseng and Semen Coicis can improve the structure of gut microbiota and relieve the symptoms of ulcerative colitis. <i>Journal of Ethnopharmacology</i> , 2015, 162, 7-13.	2.0	90
2	Combination of Metagenomics and Culture-Based Methods to Study the Interaction Between Ochratoxin A and Gut Microbiota. <i>Toxicological Sciences</i> , 2014, 141, 314-323.	1.4	80
3	Hypoglycemic and hypolipidemic effect of S-allyl-cysteine sulfoxide (alliin) in DIO mice. <i>Scientific Reports</i> , 2018, 8, 3527.	1.6	77
4	Mulberry leaf alleviates streptozotocin-induced diabetic rats by attenuating NEFA signaling and modulating intestinal microflora. <i>Scientific Reports</i> , 2017, 7, 12041.	1.6	59
5	Mulberry leaves ameliorate obesity through enhancing brown adipose tissue activity and modulating gut microbiota. <i>Food and Function</i> , 2019, 10, 4771-4781.	2.1	55
6	Ochratoxin A induced early hepatotoxicity: new mechanistic insights from microRNA, mRNA and proteomic profiling studies. <i>Scientific Reports</i> , 2014, 4, .	1.6	54
7	Evolution analysis of flavor-active compounds during artificial fermentation of Pu-erh tea. <i>Food Chemistry</i> , 2021, 357, 129783.	4.2	53
8	Procyanidin attenuates weight gain and modifies the gut microbiota in high fat diet induced obese mice. <i>Journal of Functional Foods</i> , 2018, 49, 362-368.	1.6	52
9	Chlorogenic acid ameliorates obesity by preventing energy balance shift in high-fat diet induced obese mice. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 631-637.	1.7	49
10	iTRAQ-based quantitative tissue proteomic analysis of differentially expressed proteins (DEPs) in non-transgenic and transgenic soybean seeds. <i>Scientific Reports</i> , 2018, 8, 17681.	1.6	48
11	DNA damage and S phase arrest induced by Ochratoxin A in human embryonic kidney cells (HEK 293). <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 765, 22-31.	0.4	47
12	Evaluating Potential Risks of Food Allergy and Toxicity of Soy Leghemoglobin Expressed in <i>Pichia pastoris</i> . <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700297.	1.5	47
13	A test strip platform based on a whole-cell microbial biosensor for simultaneous on-site detection of total inorganic mercury pollutants in cosmetics without the need for predigestion. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111899.	5.3	45
14	Analysis of Individual and Combined Effects of Ochratoxin A and Zearalenone on HepG2 and KK-1 Cells with Mathematical Models. <i>Toxins</i> , 2014, 6, 1177-1192.	1.5	44
15	Research Progress of Safety of Zearalenone: A Review. <i>Toxins</i> , 2022, 14, 386.	1.5	43
16	A 90-day feeding study of glyphosate-tolerant maize with the G2-aroA gene in Sprague-Dawley rats. <i>Food and Chemical Toxicology</i> , 2013, 51, 280-287.	1.8	42
17	Intelligent biosensing strategies for rapid detection in food safety: A review. <i>Biosensors and Bioelectronics</i> , 2022, 202, 114003.	5.3	42
18	Mitochondrial proteomic analysis reveals the molecular mechanisms underlying reproductive toxicity of zearalenone in MLTC-1 cells. <i>Toxicology</i> , 2014, 324, 55-67.	2.0	39

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19	Simultaneous Determination of 15 Plant Growth Regulators in Bean Sprout and Tomato with Liquid Chromatography–Triple Quadrupole Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2013, 6, 941-951.	1.3	38
20	Subchronic feeding study of stacked trait genetically-modified soybean (3A~5423A—40-3-2) in Sprague–Dawley rats. <i>Food and Chemical Toxicology</i> , 2012, 50, 3256-3263.	1.8	35
21	Phosphatase-like activity of single-atom Ce N C nanozyme for rapid detection of Al ³⁺ . <i>Food Chemistry</i> , 2022, 390, 133127.	4.2	35
22	Limited Link between Oxidative Stress and Ochratoxin A–Induced Renal Injury in an Acute Toxicity Rat Model. <i>Toxins</i> , 2016, 8, 373.	1.5	34
23	Ochratoxin A induces rat renal carcinogenicity with limited induction of oxidative stress responses. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 543-549.	1.3	33
24	Mulberry leaf tea alleviates diabetic nephropathy by inhibiting PKC signaling and modulating intestinal flora. <i>Journal of Functional Foods</i> , 2018, 46, 118-127.	1.6	32
25	Caulis Spatholobi Ameliorates Obesity through Activating Brown Adipose Tissue and Modulating the Composition of Gut Microbiota. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5150.	1.8	32
26	Safety assessment of transgenic <i>Bacillus thuringiensis</i> rice T1–19 in Sprague–Dawley rats from metabonomics and bacterial profile perspectives. <i>IUBMB Life</i> , 2012, 64, 242-250.	1.5	30
27	Anti-obesity and hypolipidemic effect of water extract from <i>Pleurotus citrinopileatus</i> in C57BL/6 mice. <i>Food Science and Nutrition</i> , 2019, 7, 1295-1301.	1.5	30
28	Nanoscale Cerium Oxide: Synthesis, Biocatalytic Mechanism, and Applications. <i>Catalysts</i> , 2021, 11, 1123.	1.6	30
29	Single-atom Ce-N-C nanozyme bioactive paper with a 3D-printed platform for rapid detection of organophosphorus and carbamate pesticide residues. <i>Food Chemistry</i> , 2022, 387, 132896.	4.2	30
30	Precision toxicology shows that troxerutin alleviates ochratoxin A–induced renal lipotoxicity. <i>FASEB Journal</i> , 2019, 33, 2212-2227.	0.2	29
31	Effects of genetically modified T2A-1 rice on the GI health of rats after 90-day supplement. <i>Scientific Reports</i> , 2013, 3, 1962.	1.6	28
32	Hypolipidemic, anti-inflammatory, and anti-atherosclerotic effects of tea before and after microbial fermentation. <i>Food Science and Nutrition</i> , 2021, 9, 1160-1170.	1.5	28
33	Zinc enhances the cellular energy supply to improve cell motility and restore impaired energetic metabolism in a toxic environment induced by OTA. <i>Scientific Reports</i> , 2017, 7, 14669.	1.6	27
34	Using the promoters of MerR family proteins as rheostats to engineer whole-cell heavy metal biosensors with adjustable sensitivity. <i>Journal of Biological Engineering</i> , 2019, 13, 70.	2.0	27
35	Allicin-induced host-gut microbe interactions improves energy homeostasis. <i>FASEB Journal</i> , 2020, 34, 10682-10698.	0.2	27
36	Zinc inhibits the reproductive toxicity of Zearalenone in immortalized murine ovarian granular KK-1 cells. <i>Scientific Reports</i> , 2015, 5, 14277.	1.6	26

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37	Cadmium tolerant characteristic of a newly isolated <i>Lactococcus lactis</i> subsp. <i>lactis</i> . <i>Environmental Toxicology and Pharmacology</i> , 2016, 48, 183-190.	2.0	26
38	Feedback regulation mode of gene circuits directly affects the detection range and sensitivity of lead and mercury microbial biosensors. <i>Analytica Chimica Acta</i> , 2019, 1084, 85-92.	2.6	24
39	Single-cell sequencing reveals novel mechanisms of Aflatoxin B1-induced hepatotoxicity in S phase-arrested L02 cells. <i>Cell Biology and Toxicology</i> , 2020, 36, 603-608.	2.4	24
40	Characterization of a cadmium resistance <i>Lactococcus lactis</i> subsp. <i>lactis</i> strain by antioxidant assays and proteome profiles methods. <i>Environmental Toxicology and Pharmacology</i> , 2016, 46, 286-291.	2.0	23
41	Alliin Regulates Energy Homeostasis through Brown Adipose Tissue. <i>IScience</i> , 2020, 23, 101113.	1.9	23
42	Purple lettuce (<i>Lactuca sativa</i> L.) attenuates metabolic disorders in diet induced obesity. <i>Journal of Functional Foods</i> , 2018, 45, 462-470.	1.6	22
43	Evaluation of flavonoid and polyphenol constituents in mulberry leaves using HPLC fingerprint analysis. <i>International Journal of Food Science and Technology</i> , 2020, 55, 526-533.	1.3	22
44	<i>miR-122</i> plays an important role in ochratoxin A-induced hepatocyte apoptosis <i>in vitro</i> and <i>in vivo</i> . <i>Toxicology Research</i> , 2016, 5, 160-167.	0.9	20
45	A gas reporting whole-cell microbial biosensor system for rapid on-site detection of mercury contamination in soils. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112660.	5.3	20
46	Curcumin Alleviates Dextran Sulfate Sodium-induced Colitis in Mice Through Regulating Gut Microbiota. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100943.	1.5	20
47	Cell-specific aptamers as potential drugs in therapeutic applications: A review of current progress. <i>Journal of Controlled Release</i> , 2022, 346, 405-420.	4.8	20
48	Fatty acid oxidation alleviates the energy deficiency caused by the loss of MPC1 in MPC1 ^{+/Δ} mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1008-1013.	1.0	19
49	Correlation between bacterial community succession and propionic acid during gray sufu fermentation. <i>Food Chemistry</i> , 2021, 353, 129447.	4.2	19
50	<i>Pleurotus Ostreatus</i> Ameliorates Obesity by Modulating the Gut Microbiota in Obese Mice Induced by High-Fat Diet. <i>Nutrients</i> , 2022, 14, 1868.	1.7	19
51	Subchronic toxicity study <i>in vivo</i> and allergenicity study <i>in vitro</i> for genetically modified rice that expresses pharmaceutical protein (human serum albumin). <i>Food and Chemical Toxicology</i> , 2014, 72, 242-246.	1.8	18
52	Safety assessment of lepidopteran insect-protected transgenic rice with cry2A* gene. <i>Transgenic Research</i> , 2016, 25, 163-172.	1.3	18
53	Proteomics reveals the alleviation of zinc towards aflatoxin B1-induced cytotoxicity in human hepatocytes (HepG2 cells). <i>Ecotoxicology and Environmental Safety</i> , 2020, 198, 110596.	2.9	18
54	Self-Assembling Cyclodextrin-Based Nanoparticles Enhance the Cellular Delivery of Hydrophobic Alliin. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11144-11150.	2.4	15

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55	Intraperitoneal administration of follistatin promotes adipocyte browning in high-fat diet-induced obese mice. <i>PLoS ONE</i> , 2019, 14, e0220310.	1.1	14
56	Potential subchronic food safety of the stacked trait transgenic maize GH5112E-117C in Sprague-Dawley rats. <i>Transgenic Research</i> , 2016, 25, 453-463.	1.3	13
57	Intracellular CircRNA imaging and signal amplification strategy based on the graphene oxide-DNA system. <i>Analytica Chimica Acta</i> , 2021, 1183, 338966.	2.6	13
58	Aptamer-Functionalized Binary-Drug Delivery System for Synergetic Obesity Therapy. <i>ACS Nano</i> , 2022, 16, 1036-1050.	7.3	13
59	Safety assessment of genetically modified rice expressing human serum albumin from urine metabolomics and fecal bacterial profile. <i>Food and Chemical Toxicology</i> , 2015, 76, 1-10.	1.8	12
60	Fusion of binary split allosteric aptasensor for the ultra-sensitive and super-rapid detection of malachite green. <i>Journal of Hazardous Materials</i> , 2022, 425, 127976.	6.5	12
61	Mitigation of cell apoptosis induced by ochratoxin A (OTA) is possibly through organic cation transport 2 (OCT2) knockout. <i>Food and Chemical Toxicology</i> , 2018, 121, 15-23.	1.8	10
62	Glucose-regulated protein 75 in foodborne disease models induces renal tubular necrosis. <i>Food and Chemical Toxicology</i> , 2019, 133, 110720.	1.8	10
63	Comprehensive Analysis of the Characteristics and Differences in Adult and Newborn Brown Adipose Tissue (BAT): Newborn BAT Is a More Active/Dynamic BAT. <i>Cells</i> , 2020, 9, 201.	1.8	10
64	Exosomes mediated the delivery of ochratoxin A-induced cytotoxicity in HEK293 cells. <i>Toxicology</i> , 2021, 461, 152926.	2.0	10
65	Toxicological Evaluation of Lactase Derived from Recombinant <i>Pichia pastoris</i> . <i>PLoS ONE</i> , 2014, 9, e106470.	1.1	9
66	Single-cell transcriptomics uncovers potential marker genes of ochratoxin A-sensitive renal cells in an acute toxicity rat model. <i>Cell Biology and Toxicology</i> , 2021, 37, 7-13.	2.4	9
67	Multidimensional analysis of the epigenetic alterations in toxicities induced by mycotoxins. <i>Food and Chemical Toxicology</i> , 2021, 153, 112251.	1.8	9
68	Fe-N-C nanozyme mediated bioactive paper-3D printing integration technology enables portable detection of lactose in milk. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132111.	4.0	9
69	A subchronic feeding study of dicamba-tolerant soybean with the dmo gene in Sprague-Dawley rats. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 77, 134-142.	1.3	8
70	Adipose tissues of MPC1 ^{+/+} mice display altered lipid metabolism-related enzyme expression levels. <i>PeerJ</i> , 2018, 6, e5799.	0.9	8
71	<i>Coreopsis tinctoria</i> and Its Flavonoids Ameliorate Hyperglycemia in Obese Mice Induced by High-Fat Diet. <i>Nutrients</i> , 2022, 14, 1160.	1.7	8
72	Extraction and Identification of Three New <i>Urechis unicinctus</i> Visceral Peptides and Their Antioxidant Activity. <i>Marine Drugs</i> , 2022, 20, 293.	2.2	8

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73	In Vivo Effects of Pichia Pastoris-Expressed Antimicrobial Peptide Hepcidin on the Community Composition and Metabolism Gut Microbiota of Rats. PLoS ONE, 2016, 11, e0164771.	1.1	7
74	No subchronic toxicity of multiple herbicide-resistant soybean FG72 in Sprague-Dawley rats by 90-days feeding study. Regulatory Toxicology and Pharmacology, 2018, 94, 299-305.	1.3	7
75	Diagnosing and tracing the pathogens of infantile infectious diarrhea by amplicon sequencing. Gut Pathogens, 2019, 11, 12.	1.6	7
76	Rat and poultry feeding studies with soybean meal produced from imidazolinone-tolerant (CV127) soybeans. Food and Chemical Toxicology, 2016, 88, 48-56.	1.8	6
77	Characterization and Beige Adipogenic Potential of Human Embryo White Adipose Tissue-Derived Stem Cells. Cellular Physiology and Biochemistry, 2018, 51, 2900-2915.	1.1	6
78	A portable 3D-printed biosensing device for rapid detection of genetically modified maize MON810. Sensors and Actuators B: Chemical, 2021, 349, 130748.	4.0	6
79	Expression, purification and refolding of recombinant Cry1Ab/Ac obtained in <i>Escherichia coli</i> as inclusion bodies. Journal of the Science of Food and Agriculture, 2009, 89, 796-801.	1.7	5
80	A 90-day subchronic study of rats fed lean pork from genetically modified pigs with muscle-specific expression of recombinant follistatin. Regulatory Toxicology and Pharmacology, 2015, 73, 620-628.	1.3	5
81	Effects of neutrophils peptide-1 transgenic <i>Chlorella ellipsoidea</i> on the gut microbiota of male Sprague-Dawley rats, as revealed by high-throughput 16S rRNA sequencing. World Journal of Microbiology and Biotechnology, 2016, 32, 43.	1.7	5
82	Safety assessment of transgenic canola RF3 with bar and barstar gene on Sprague-Dawley (SD) rats by 90-day feeding test. Regulatory Toxicology and Pharmacology, 2017, 91, 226-234.	1.3	5
83	Safety evaluation of genetically modified DAS-40278-9 maize in a subchronic rodent feeding study. Regulatory Toxicology and Pharmacology, 2018, 96, 146-152.	1.3	5
84	Evaluation of the effects of feeding glyphosate-tolerant soybeans (CP4 EPSPS) on the testis of male Sprague-Dawley rats. GM Crops and Food, 2019, 10, 181-190.	2.0	5
85	Artemether Ameliorates Non-Alcoholic Steatohepatitis by Repressing Lipogenesis, Inflammation, and Fibrosis in Mice. Frontiers in Pharmacology, 2022, 13, 851342.	1.6	5
86	Gynostemma pentaphyllum and Gypenoside-IV Ameliorate Metabolic Disorder and Gut Microbiota in Diet-Induced-Obese Mice. Plant Foods for Human Nutrition, 2022, 77, 367-372.	1.4	5
87	Rice- or pork-based diets with similar calorie and content result in different rat gut microbiota. International Journal of Food Sciences and Nutrition, 2017, 68, 829-839.	1.3	4
88	Nucleic Acid-Modified Liposome: Construction Methods and Biological Applications. Advanced Materials Interfaces, 2022, 9, 2101246.	1.9	4
89	Production and optimization of a kiwi pectin methylesterase inhibitor in Pichia pastoris GS115. Food Science and Biotechnology, 2014, 23, 1971-1976.	1.2	3
90	Broccoli ameliorate NAFLD by increasing lipolysis and promoting liver macrophages polarize toward M2-type. Journal of Functional Foods, 2022, 89, 104898.	1.6	3

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91	Safety evaluation of subchronic feeding of <i>nisl</i> transformed <i>Lactobacillus plantarum</i> in Sprague-Dawley rats. <i>Journal of Food Safety</i> , 2018, 38, e12427.	1.1	2
92	A 28-day subchronic feeding study of chicken injected by genetically modified DNA-vaccine of avian influenzas in Sprague-Dawley rats. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 98, 245-249.	1.3	2
93	A 90-Day Subchronic Toxicity Study of Consumption of GH-Transgenic Triploid Carp in Wistar Rats. <i>Fishes</i> , 2022, 7, 10.	0.7	2
94	The food safety of DP-356~43 soybeans on SD rats reflected by physiological variables and fecal microbiota during a 90-day feeding study. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 97, 144-151.	1.3	0
95	A 90-day subchronic toxicology screen of genetically modified rice Lac-3 and its effects on the gut microbiota in Sprague-Dawley rats. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 103, 292-300.	1.3	0
96	Nucleic Acid-Modified Liposome: Construction Methods and Biological Applications (<i>Adv. Mater.</i>) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	1.9	0
97	Oral toxicity evaluation of genetically modified lactic acid bacteria in three generations of Sprague Dawley rats. <i>Food and Chemical Toxicology</i> , 2022, 167, 113280.	1.8	0