

Wentao Zhu

List of Publications by Year in descending order

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101
papers

3,786
citations

126907

33
h-index

149698

56
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102
all docs

102
docs citations

102
times ranked

4399
citing authors

#	ARTICLE	IF	CITATIONS
1	Metagenomic Analysis of the Stool Microbiome in Patients Receiving Allogeneic Stem Cell Transplantation: Loss of Diversity Is Associated with Use of Systemic Antibiotics and More Pronounced in Gastrointestinal Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 640-645.	2.0	444
2	Determination of four heterocyclic insecticides by ionic liquid dispersive liquid-liquid microextraction in water samples. <i>Journal of Chromatography A</i> , 2009, 1216, 885-891.	3.7	291
3	Delaying aging and the aging-associated decline in protein homeostasis by inhibition of tryptophan degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14912-14917.	7.1	180
4	Quantitative profiling of tryptophan metabolites in serum, urine, and cell culture supernatants by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3249-3261.	3.7	130
5	Metabolomics and transcriptomics reveal the toxicity of difenoconazole to the early life stages of zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2018, 194, 112-120.	4.0	89
6	Effects of perinatal exposure to BPA, BPF and BPAF on liver function in male mouse offspring involving in oxidative damage and metabolic disorder. <i>Environmental Pollution</i> , 2019, 247, 935-943.	7.5	89
7	Effects of triphenyl phosphate exposure during fetal development on obesity and metabolic dysfunctions in adult mice: Impaired lipid metabolism and intestinal dysbiosis. <i>Environmental Pollution</i> , 2019, 246, 630-638.	7.5	83
8	Applicability of cloud point extraction coupled with microwave-assisted back-extraction to the determination of organophosphorous pesticides in human urine by gas chromatography with flame photometry detection. <i>Journal of Hazardous Materials</i> , 2008, 159, 300-305.	12.4	79
9	In utero and lactational exposure to BDE-47 promotes obesity development in mouse offspring fed a high-fat diet: impaired lipid metabolism and intestinal dysbiosis. <i>Archives of Toxicology</i> , 2018, 92, 1847-1860.	4.2	78
10	Neonatal triphenyl phosphate and its metabolite diphenyl phosphate exposure induce sex- and dose-dependent metabolic disruptions in adult mice. <i>Environmental Pollution</i> , 2018, 237, 10-17.	7.5	70
11	Effects of perinatal exposure to BPA and its alternatives (BPS, BPF and BPAF) on hepatic lipid and glucose homeostasis in female mice adolescent offspring. <i>Chemosphere</i> , 2018, 212, 297-306.	8.2	69
12	Effects of the bioconcentration and parental transfer of environmentally relevant concentrations of difenoconazole on endocrine disruption in zebrafish (<i>Danio rerio</i>). <i>Environmental Pollution</i> , 2018, 233, 208-217.	7.5	68
13	Toxicity effects in zebrafish embryos (<i>Danio rerio</i>) induced by prothioconazole. <i>Environmental Pollution</i> , 2019, 255, 113269.	7.5	66
14	Neonicotinoid insecticides exposure cause amino acid metabolism disorders, lipid accumulation and oxidative stress in ICR mice. <i>Chemosphere</i> , 2020, 246, 125661.	8.2	65
15	Joint effects of microplastic and dufulin on bioaccumulation, oxidative stress and metabolic profile of the earthworm (<i>Eisenia fetida</i>). <i>Chemosphere</i> , 2021, 263, 128171.	8.2	61
16	Study on toxicity effects of environmental pollutants based on metabolomics: A review. <i>Chemosphere</i> , 2022, 286, 131815.	8.2	60
17	Enantioselective bioaccumulation of hexaconazole and its toxic effects in adult zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1	8.2	58
18	The effects of hexaconazole and epoxiconazole enantiomers on metabolic profile following exposure to zebrafish (<i>Danio rerio</i>) as well as the histopathological changes. <i>Chemosphere</i> , 2019, 226, 520-533.	8.2	54

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19	Determination of carbaryl and its metabolite 1-naphthol in water samples by fluorescence spectrophotometer after anionic surfactant micelle-mediated extraction with sodium dodecylsulfate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 460-464.	3.9	53
20	Stereoselective degradation of fungicide benalaxyl in soils and cucumber plants. <i>Chirality</i> , 2007, 19, 300-306.	2.6	52
21	Tryptophan catabolism is associated with acute GVHD after human allogeneic stem cell transplantation and indicates activation of indoleamine 2,3-dioxygenase. <i>Blood</i> , 2011, 118, 6971-6974.	1.4	52
22	Influence of Soil Properties on the Enantioselective Dissipation of the Herbicide Lactofen in Soils. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5865-5871.	5.2	51
23	Perinatal exposure to Bisphenol S (BPS) promotes obesity development by interfering with lipid and glucose metabolism in male mouse offspring. <i>Environmental Research</i> , 2019, 173, 189-198.	7.5	50
24	¹ H NMR-based metabolomics analysis of adult zebrafish (<i>Danio rerio</i>) after exposure to diniconazole as well as its bioaccumulation behavior. <i>Chemosphere</i> , 2017, 168, 1571-1577.	8.2	47
25	Stereoselective Degradation Kinetics of Theta-Cypermethrin in Rats. <i>Environmental Science & Technology</i> , 2006, 40, 721-726.	10.0	44
26	Stereoselective degradation kinetics of tebuconazole in rabbits. <i>Chirality</i> , 2007, 19, 141-147.	2.6	44
27	Deficient Tryptophan Catabolism along the Kynurenine Pathway Reveals That the Epididymis Is in a Unique Tolerogenic State. <i>Journal of Biological Chemistry</i> , 2011, 286, 8030-8042.	3.4	44
28	Acute exposure of zebrafish embryo (<i>Danio rerio</i>) to flutolanil reveals its developmental mechanism of toxicity via disrupting the thyroid system and metabolism. <i>Environmental Pollution</i> , 2018, 242, 1157-1165.	7.5	44
29	Enantioselective bioaccumulation following exposure of adult zebrafish (<i>Danio rerio</i>) to epoxiconazole and its effects on metabolomic profile as well as genes expression. <i>Environmental Pollution</i> , 2017, 229, 264-271.	7.5	42
30	Gut Microbiota: A Key Factor in the Host Health Effects Induced by Pesticide Exposure?. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10517-10531.	5.2	42
31	Impacts of Penconazole and Its Enantiomers Exposure on Gut Microbiota and Metabolic Profiles in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8303-8311.	5.2	38
32	Sex-specific effects of difenoconazole on the growth hormone endocrine axis in adult zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 402-408.	6.0	37
33	Developmental toxicity and neurotoxicity of penconazole enantiomers exposure on zebrafish (<i>Danio rerio</i>) Tj ETQq1 1 0,784314 rgBT /Ove	7.5	35
34	New insights into bisphenols induced obesity in zebrafish (<i>Danio rerio</i>): Activation of cannabinoid receptor CB1. <i>Journal of Hazardous Materials</i> , 2021, 418, 126100.	12.4	35
35	Effects of exposure to prothioconazole and its metabolite prothioconazole-desthio on oxidative stress and metabolic profiles of liver and kidney tissues in male mice. <i>Environmental Pollution</i> , 2021, 269, 116215.	7.5	33
36	Toxicity and metabolomics study of isocarbophos in adult zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 1-6.	6.0	30

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37	Different Toxic Effects of Racemate, Enantiomers, and Metabolite of Malathion on HepG2 Cells Using High-Performance Liquid Chromatography-Quadrupole-Time-of-Flight-Based Metabolomics. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1784-1794.	5.2	30
38	Different effects of exposure to penconazole and its enantiomers on hepatic glycolipid metabolism of male mice. <i>Environmental Pollution</i> , 2020, 257, 113555.	7.5	30
39	Distinct metabolic differences between various human cancer and primary cells. <i>Electrophoresis</i> , 2013, 34, 2836-2847.	2.4	29
40	A combined NMR- and HPLC-MS/MS-based metabolomics to evaluate the metabolic perturbations and subacute toxic effects of endosulfan on mice. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18870-18880.	5.3	28
41	Chronic Toxic Effects of Flutolanil on the Liver of Zebrafish (<i>Danio rerio</i>). <i>Chemical Research in Toxicology</i> , 2019, 32, 995-1001.	3.3	28
42	Perinatal exposure to 2-Ethylhexyl Diphenyl Phosphate (EHDPHP) affected the metabolic homeostasis of male mouse offspring: Unexpected findings help to explain dose- and diet- specific phenomena. <i>Journal of Hazardous Materials</i> , 2020, 388, 122034.	12.4	28
43	Stereoselective degradation of tebuconazole in rat liver microsomes. <i>Chirality</i> , 2012, 24, 67-71.	2.6	27
44	Perinatal exposure to low-dose decabromodiphenyl ethane increased the risk of obesity in male mice offspring. <i>Environmental Pollution</i> , 2018, 243, 553-562.	7.5	27
45	Combined ingestion of polystyrene microplastics and epoxiconazole increases health risk to mice: Based on their synergistic bioaccumulation in vivo. <i>Environment International</i> , 2022, 166, 107391.	10.0	25
46	Stereoselective pharmacokinetics of diniconazole enantiomers in rabbits. <i>Chirality</i> , 2009, 21, 699-703.	2.6	24
47	Exposure to nitenpyram during pregnancy causes colonic mucosal damage and non-alcoholic steatohepatitis in mouse offspring: The role of gut microbiota. <i>Environmental Pollution</i> , 2021, 271, 116306.	7.5	24
48	Systematic evaluation of chiral pesticides at the enantiomeric level: A new strategy for the development of highly effective and less harmful pesticides. <i>Science of the Total Environment</i> , 2022, 846, 157294.	8.0	24
49	Species differences for stereoselective metabolism of ethofumesate and its enantiomers in vitro. <i>Xenobiotica</i> , 2009, 39, 649-655.	1.1	23
50	Cortisol-mediated adhesion of synovial fibroblasts is dependent on the degradation of anandamide and activation of the endocannabinoid system. <i>Arthritis and Rheumatism</i> , 2012, 64, 3867-3876.	6.7	23
51	Impaired lipid and glucose homeostasis in male mice offspring after combined exposure to low-dose bisphenol A and arsenic during the second half of gestation. <i>Chemosphere</i> , 2018, 210, 998-1005.	8.2	23
52	Imbalance of gut microbiota and fecal metabolites in offspring female mice induced by nitenpyram exposure during pregnancy. <i>Chemosphere</i> , 2020, 260, 127506.	8.2	22
53	Stereoselective determination of benalaxyl in plasma by chiral high-performance liquid chromatography with diode array detector and application to pharmacokinetic study in rabbits. <i>Chirality</i> , 2007, 19, 51-55.	2.6	21
54	Enantioselective degradation of hexaconazole in rat hepatic microsomes in vitro. <i>Chirality</i> , 2012, 24, 283-288.	2.6	19

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55	Evaluating the effects of the tebuconazole on the earthworm, <i>Eisenia fetida</i> by H-1 NMR-Based untargeted metabolomics and mRNA assay. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110370.	6.0	19
56	Enantiomeric resolution of new triazole compounds by high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2007, 30, 344-351.	2.5	18
57	¹ H NMR-based serum metabolomics analysis of the age-related metabolic effects of perinatal exposure to BPA, BPS, BPF, and BPAF in female mice offspring. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5804-5813.	5.3	18
58	Effects of incremental endosulfan sulfate exposure and high fat diet on lipid metabolism, glucose homeostasis and gut microbiota in mice. <i>Environmental Pollution</i> , 2021, 268, 115697.	7.5	18
59	Enantioselective monitoring chiral fungicide mefenftrifluconazole in tomato, cucumber, pepper and its pickled products by supercritical fluid chromatography tandem mass spectrometry. <i>Food Chemistry</i> , 2022, 376, 131883.	8.2	18
60	Monitoring tryptophan metabolism after exposure to hexaconazole and the enantioselective metabolism of hexaconazole in rat hepatocytes in vitro. <i>Journal of Hazardous Materials</i> , 2015, 295, 9-16.	12.4	17
61	Stereoselective degradation of metalaxyl and its enantiomers in rat and rabbit hepatic microsomes in vitro. <i>Xenobiotica</i> , 2012, 42, 580-586.	1.1	16
62	NMR- and LC-MS/MS-based urine metabolomic investigation of the subacute effects of hexabromocyclododecane in mice. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8500-8507.	5.3	16
63	Evaluating the enantioselective degradation and novel metabolites following a single oral dose of metalaxyl in mice. <i>Pesticide Biochemistry and Physiology</i> , 2014, 116, 32-39.	3.6	15
64	Prothioconazole and prothioconazole-desthio induced different hepatotoxicities via interfering with glycolipid metabolism in mice. <i>Pesticide Biochemistry and Physiology</i> , 2022, 180, 104983.	3.6	15
65	Enantiomeric Separation of Chiral Pesticides by Permethylated β -Cyclodextrin Stationary Phase in Reversed Phase Liquid Chromatography. <i>Chirality</i> , 2016, 28, 409-414.	2.6	14
66	Comparison of subacute effects of two types of pyrethroid insecticides using metabolomics methods. <i>Pesticide Biochemistry and Physiology</i> , 2017, 143, 161-167.	3.6	14
67	Different effects of β -endosulfan, γ -endosulfan, and endosulfan sulfate on sex hormone levels, metabolic profile and oxidative stress in adult mice testes. <i>Environmental Research</i> , 2019, 169, 315-325.	7.5	14
68	Stereoselective toxicokinetics and tissue distribution of ethofumesate in rabbits. <i>Chirality</i> , 2007, 19, 632-637.	2.6	13
69	Stereoselective metabolism of benalaxyl in liver microsomes from rat and rabbit. <i>Chirality</i> , 2011, 23, 93-98.	2.6	13
70	Study of the Enantioselective Interaction of Diclofop and Human Serum Albumin by Spectroscopic and Molecular Modeling Approaches In Vitro. <i>Chirality</i> , 2013, 25, 719-725.	2.6	13
71	Stereoselective Degradation of Chiral Fungicide Myclobutanil in Rat Liver Microsomes. <i>Chirality</i> , 2014, 26, 51-55.	2.6	13
72	A combined non-targeted and targeted metabolomics approach to study the stereoselective metabolism of benalaxyl enantiomers in mouse hepatic microsomes. <i>Environmental Pollution</i> , 2016, 212, 358-365.	7.5	13

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73	Metabolomics Approach to Investigate Estrogen Receptor-Dependent and Independent Effects of o,p,p'-DDT in the Uterus and Brain of Immature Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3609-3616.	5.2	13
74	Enantioselective metabolism and enantiomerization of benalaxyl in mice. <i>Chemosphere</i> , 2017, 169, 308-315.	8.2	13
75	Enantioselective Effects of Metalaxyl Enantiomers on Breast Cancer Cells Metabolic Profiling Using HPLC-QTOF-Based Metabolomics. <i>International Journal of Molecular Sciences</i> , 2017, 18, 142.	4.1	13
76	A common fungicide tebuconazole promotes colitis in mice via regulating gut microbiota. <i>Environmental Pollution</i> , 2022, 292, 118477.	7.5	13
77	A Typical Fungicide and Its Main Metabolite Promote Liver Damage in Mice through Impacting Gut Microbiota and Intestinal Barrier Function. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13436-13447.	5.2	13
78	Stereoselective Toxicity and Metabolism of Lactofen in Primary Hepatocytes From Rat. <i>Chirality</i> , 2013, 25, 743-750.	2.6	12
79	Enantioselective Metabolism and Interference on Tryptophan Metabolism of Myclobutanil in Rat Hepatocytes. <i>Chirality</i> , 2015, 27, 643-649.	2.6	12
80	Rapid Metabolite Discovery, Identification, and Accurate Comparison of the Stereoselective Metabolism of Metalaxyl in Rat Hepatic Microsomes. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 754-760.	5.2	12
81	The fate of technical-grade chlordane in mice fed a high-fat diet and its roles as a candidate obesogen. <i>Environmental Pollution</i> , 2017, 222, 532-542.	7.5	12
82	Bioaccumulation and toxic effects of penconazole in earthworms (<i>Eisenia fetida</i>) following soil exposure. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38056-38063.	5.3	12
83	Discrepant effects of $\hat{1}\pm$ -endosulfan, $\hat{1}^2$ -endosulfan, and endosulfan sulfate on oxidative stress and energy metabolism in the livers and kidneys of mice. <i>Chemosphere</i> , 2018, 205, 223-233.	8.2	11
84	Chiral pyrethroid insecticide fenpropathrin and its metabolite: enantiomeric separation and pharmacokinetic degradation in soils by reverse-phase high-performance liquid chromatography. <i>Analytical Methods</i> , 2017, 9, 4439-4446.	2.7	10
85	Identifying Metabolic Perturbations and Toxic Effects of Rac-Metalaxyl and Metalaxyl-M in Mice Using Integrative NMR and UPLC-MS/MS Based Metabolomics. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5457.	4.1	10
86	Synergistic effect of ZnO NPs and imidacloprid on liver injury in male ICR mice: Increase the bioavailability of IMI by targeting the gut microbiota. <i>Environmental Pollution</i> , 2022, 294, 118676.	7.5	10
87	Enantioselective metabolism and toxic effects of metalaxyl on primary hepatocytes from rat. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18649-18656.	5.3	9
88	Subacute oral toxicity assessment of benalaxyl in mice based on metabolomics methods. <i>Chemosphere</i> , 2018, 191, 373-380.	8.2	9
89	Imazalil and its metabolite imazalil-M caused developmental toxicity in zebrafish (<i>Danio rerio</i>) embryos via cell apoptosis mediated by metabolic disorders. <i>Pesticide Biochemistry and Physiology</i> , 2022, 184, 105113.	3.6	9
90	Multispectroscopic and molecular modeling approach to investigate the interaction of diclofop-methyl enantiomers with human serum albumin. <i>Journal of Luminescence</i> , 2014, 155, 231-237.	3.1	7

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91	Combined effects of abamectin and temperature on the physiology and behavior of male lizards (<i>Eremias argus</i>): Clarifying adaptation and maladaptation. <i>Science of the Total Environment</i> , 2022, 837, 155794.	8.0	7
92	Evaluating the enantioselective distribution, degradation and excretion of epoxiconazole in mice following a single oral gavage. <i>Xenobiotica</i> , 2015, 45, 1009-1015.	1.1	6
93	Stereoselective Degradation of alpha-Cypermethrin and Its Enantiomers in Rat Liver Microsomes. <i>Chirality</i> , 2016, 28, 58-64.	2.6	6
94	Stereoselective metabolism of the UV-filter 2-ethylhexyl 4-dimethylaminobenzoate and its metabolites in rabbits in vivo and vitro. <i>RSC Advances</i> , 2017, 7, 16991-16996.	3.6	6
95	Enantioselectivity effects of imazethapyr enantiomers to metabolic responses in mice. <i>Pesticide Biochemistry and Physiology</i> , 2020, 168, 104619.	3.6	5
96	Effects of penconazole enantiomers exposure on hormonal disruption in zebrafish <i>Danio rerio</i> (Hamilton, 1822). <i>Environmental Science and Pollution Research</i> , 2021, 28, 43476-43482.	5.3	5
97	Direct chiral resolution of cloquintocet-mexyl and its application to <i>in vitro</i> degradation combined with clodinafop-propargyl. <i>Biomedical Chromatography</i> , 2012, 26, 1058-1061.	1.7	4
98	Thermoregulation of <i>Eremias argus</i> alters temperature-dependent toxicity of beta-cyfluthrin: Ecotoxicological effects considering ectotherm behavior traits. <i>Environmental Pollution</i> , 2022, 293, 118461.	7.5	3
99	Effects of Dufulin on Oxidative Stress and Metabolomic Profile of <i>Tubifex</i> . <i>Metabolites</i> , 2021, 11, 381.	2.9	2
100	In utero exposure to decabromodiphenyl ethane causes rapid growth in mice cubs by activating glycogenolysis and lipid synthesis. <i>Toxicology Letters</i> , 2022, 366, 72-80.	0.8	2
101	Editorial: Metabolomics of Human Microbiome Studies: Recent Advances in Methods and Applications. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 800337.	3.5	1