Meirong Zhao

List of Publications by Year
in descending order

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126 papers	5,109 citations	76294 40 h-index	110317 64 g-index
126 all docs	126 docs citations	126 times ranked	5454 citing authors

#	Article	IF	Citations
1	Enantioselectivity in environmental risk assessment of modern chiral pesticides. Environmental Pollution, 2010, 158, 2371-2383.	3.7	209
2	Neonicotinoid Residues in Fruits and Vegetables: An Integrated Dietary Exposure Assessment Approach. Environmental Science & Technology, 2018, 52, 3175-3184.	4.6	177
3	Enantioselectivity in Estrogenic Potential and Uptake of Bifenthrin. Environmental Science & Technology, 2007, 41, 6124-6128.	4.6	151
4	Enantioselective Environmental Toxicology of Chiral Pesticides. Chemical Research in Toxicology, 2015, 28, 325-338.	1.7	141
5	Effects of titanium dioxide nano-particles on growth and some histological parameters of zebrafish (Danio rerio) after a long-term exposure. Aquatic Toxicology, 2011, 101, 493-499.	1.9	140
6	Risk assessment of polychlorinated biphenyls and heavy metals in soils of an abandoned e-waste site in China. Environmental Pollution, 2014, 185, 258-265.	3.7	133
7	Oxidative removal of aqueous steroid estrogens by manganese oxides. Water Research, 2008, 42, 5038-5044.	5.3	131
8	Developmental toxicity of bifenthrin in embryo-larval stages of zebrafish. Aquatic Toxicology, 2009, 95, 347-354.	1.9	123
9	Potential Estrogenic Effects of Phosphorus-Containing Flame Retardants. Environmental Science & Technology, 2014, 48, 6995-7001.	4.6	116
10	Thyroid hormone-disrupting activity and ecological risk assessment of phosphorus-containing flame retardants by inÂvitro, inÂvivo and in silico approaches. Environmental Pollution, 2016, 210, 27-33.	3.7	108
11	Enantioselectivity Tuning of Chiral Herbicide Dichlorprop by Copper: Roles of Reactive Oxygen Species. Environmental Science & Technology, 2011, 45, 4778-4784.	4.6	106
12	Enantioselective cytotoxicity of the insecticide bifenthrin on a human amnion epithelial (FL) cell line. Toxicology, 2008, 253, 89-96.	2.0	91
13	Ecological risk assessment of the increasing use of the neonicotinoid insecticides along the east coast of China. Environment International, 2019, 127, 550-557.	4.8	90
14	Assessment of the endocrine-disrupting effects of short-chain chlorinated paraffins in in vitro models. Environment International, 2016, 94, 43-50.	4.8	89
15	Resolution of the Ongoing Challenge of Estimating Nonpoint Source Neonicotinoid Pollution in the Yangtze River Basin Using a Modified Mass Balance Approach. Environmental Science & Technology, 2019, 53, 2539-2548.	4.6	88
16	Silver nanoparticle-induced hemoglobin decrease involves alteration of histone 3 methylation status. Biomaterials, 2015, 70, 12-22.	5.7	87
17	Disruption of the Hormonal Network and the Enantioselectivity of Bifenthrin in Trophoblast: Maternalâ€“Fetal Health Risk of Chiral Pesticides. Environmental Science & Technology, 2014, 48, 8109-8116.	4.6	77
18	Bisphenol analogue concentrations in human breast milk and their associations with postnatal infant growth. Environmental Pollution, 2020, 259, 113779.	3.7	74

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19	Induction of Macrophage Apoptosis by an Organochlorine Insecticide Acetofenate. Chemical Research in Toxicology, 2009, 22, 504-510.	1.7	71
20	Evaluation of the developmental toxicity of 2,7-dibromocarbazole to zebrafish based on transcriptomics assay. Journal of Hazardous Materials, 2019, 368, 514-522.	6.5	70
21	Integrative assessment of enantioselectivity in endocrine disruption and immunotoxicity of synthetic pyrethroids. Environmental Pollution, 2010, 158, 1968-1973.	3.7	67
22	Estrogenic activity of lambdaâ€cyhalothrin in the MCFâ€7 human breast carcinoma cell line. Environmental Toxicology and Chemistry, 2008, 27, 1194-1200.	2.2	63
23	The identification of the metabolites of chlorothalonil in zebrafish (Danio rerio) and their embryo toxicity and endocrine effects at environmentally relevant levels. Environmental Pollution, 2016, 218, 8-15.	3.7	61
24	The potential endocrine disruption of pesticide transformation products (TPs): The blind spot of pesticide risk assessment. Environment International, 2020, 137, 105490.	4.8	59
25	Enantioselective induction of oxidative stress by permethrin in rat adrenal pheochromocytoma (PC12) cells. Environmental Toxicology and Chemistry, 2010, 29, 683-690.	2.2	53
26	Characterization of estrogen receptor Î± activities in polychlorinated biphenyls by inÂvitro dual-luciferase reporter gene assay. Environmental Pollution, 2014, 189, 169-175.	3.7	53
27	Maternal ambient air pollution exposure with spatial-temporal variations and preterm birth risk assessment during 2013â€“2017 in Zhejiang Province, China. Environment International, 2019, 133, 105242.	4.8	53
28	Stability, Antimicrobial Activity, and Cytotoxicity of Poly(amidoamine) Dendrimers on Titanium Substrates. ACS Applied Materials & Interfaces, 2011, 3, 2885-2894.	4.0	52
29	A metabolomic study of fipronil for the anxiety-like behavior in zebrafish larvae at environmentally relevant levels. Environmental Pollution, 2016, 211, 252-258.	3.7	52
30	Poly- and perfluoroalkyl substance concentrations in human breast milk and their associations with postnatal infant growth. Science of the Total Environment, 2020, 713, 136417.	3.9	52
31	Assessing the underlying breast cancer risk of Chinese females contributed by dietary intake of residual DDT from agricultural soils. Environment International, 2014, 73, 208-215.	4.8	49
32	Effects of glufosinate on the growth of and microcystin production by Microcystis aeruginosa at environmentally relevant concentrations. Science of the Total Environment, 2017, 575, 513-518.	3.9	49
33	Metabolic Mechanism of Aryl Phosphorus Flame Retardants by Cytochromes P450: A Combined Experimental and Computational Study on Triphenyl Phosphate. Environmental Science & Technology, 2018, 52, 14411-14421.	4.6	49
34	Antiâ€fertility effect of levonorgestrel and quinestrol in Brandt's voles (Lasiopodomys brandtii). Integrative Zoology, 2007, 2, 260-268.	1.3	48
35	Estrogenic activities of two synthetic pyrethroids and their metabolites. Journal of Environmental Sciences, 2010, 22, 290-296.	3.2	48
36	Enantioselective Damage of Diclofop Acid Mediated by Oxidative Stress and Acetyl-CoA Carboxylase in Nontarget Plant Arabidopsis thaliana. Environmental Science & Technology, 2012, 46, 8405-8412.	4.6	47

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37	Enantioselectivity in Zebrafish Embryo Toxicity of the Insecticide Acetofenate. Chemical Research in Toxicology, 2008, 21, 1050-1055.	1.7	43
38	AhR Agonist Activity Confirmation of Polyhalogenated Carbazoles (PHCZs) Using an Integration of in Vitro, in Vivo, and in Silico Models. Environmental Science & Technology, 2019, 53, 14716-14723.	4.6	43
39	Risk assessment of the endocrine-disrupting effects of nine chiral pesticides. Journal of Hazardous Materials, 2017, 338, 57-65.	6.5	42
40	Environmentally relevant levels of Î»-cyhalothrin, fenvalerate, and permethrin cause developmental toxicity and disrupt endocrine system in zebrafish (Danio rerio) embryo. Chemosphere, 2017, 185, 1173-1180.	4.2	42
41	Simultaneous determination of nine neonicotinoids in human urine using isotope-dilution ultra-performance liquid chromatographyâ€“tandem mass spectrometry. Environmental Pollution, 2018, 240, 647-652.	3.7	42
42	Perturbation of metabonome of embryo/larvae zebrafish after exposure to fipronil. Environmental Toxicology and Pharmacology, 2016, 48, 39-45.	2.0	41
43	Enantioselective Effects of Metalaxyl Enantiomers in Adolescent Rat Metabolic Profiles Using NMR-Based Metabolomics. Environmental Science & Technology, 2018, 52, 5438-5447.	4.6	41
44	ENANTIOSELECTIVE ESTROGENICITY OF o,pâ€²-DICHLORODIPHENYLTRICHLOROETHANE IN THE MCF-7 HUMAN BREAST CARCINOMA CELL LINE. Environmental Toxicology and Chemistry, 2009, 28, 1.	2.2	40
45	Metabolomic modulations of HepG2 cells exposed to bisphenol analogues. Environment International, 2019, 129, 59-67.	4.8	40
46	Enantiomer-specific, bifenthrin-induced apoptosis mediated by MAPK signalling pathway in Hep G2 Cells. Toxicology, 2009, 261, 119-125.	2.0	39
47	Assessment of endocrine-disrupting effects of emerging polyhalogenated carbazoles (PHCZs): In vitro, in silico, and in vivo evidence. Environment International, 2020, 140, 105729.	4.8	39
48	Enantioselectivity in the immunotoxicity of the insecticide acetofenate in an in vitro model. Environmental Toxicology and Chemistry, 2009, 28, 578-585.	2.2	38
49	Enantioselective separation and zebrafish embryo toxicity of insecticide beta-cypermethrin. Journal of Environmental Sciences, 2010, 22, 738-743.	3.2	38
50	Occurrence of phthalic acid esters in marine organisms from Hangzhou Bay, China: Implications for human exposure. Science of the Total Environment, 2020, 721, 137605.	3.9	38
51	Dual enantioselective effect of the insecticide bifenthrin on locomotor behavior and development in embryonicâ€“larval zebrafish. Environmental Toxicology and Chemistry, 2010, 29, 1561-1567.	2.2	37
52	Estrogen contributes to regulating iron metabolism through governing ferroportin signaling via an estrogen response element. Cellular Signalling, 2015, 27, 934-942.	1.7	37
53	Potential Glucocorticoid and Mineralocorticoid Effects of Nine Organophosphate Flame Retardants. Environmental Science & Technology, 2017, 51, 5803-5810.	4.6	37
54	â€œClickâ€•Immobilization on Alkylated Silicon Substrates: Model for the Study of Surface Bound Antimicrobial Peptides. Chemistry - A European Journal, 2011, 17, 2656-2665.	1.7	36

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55	The reduced bioavailability of copper by nano-TiO2 attenuates the toxicity to Microcystis aeruginosa. Environmental Science and Pollution Research, 2015, 22, 12407-12414.	2.7	36
56	Enantioselectivity in chronic toxicology and accumulation of the synthetic pyrethroid insecticide bifenthrin in Daphnia magna. Environmental Toxicology and Chemistry, 2009, 28, 1475-1479.	2.2	34
57	Enantioselective Induction of Cytotoxicity by o,pâ€²-DDD in PC12 Cells: Implications of Chirality in Risk Assessment of POPs Metabolites. Environmental Science & Technology, 2013, 47, 3909-3917.	4.6	34
58	Exposure of low-dose fipronil enantioselectively induced anxiety-like behavior associated with DNA methylation changes in embryonic and larval zebrafish. Environmental Pollution, 2019, 249, 362-371.	3.7	32
59	1H NMR-based metabolomic analysis of nine organophosphate flame retardants metabolic disturbance in Hep G2 cell line. Science of the Total Environment, 2019, 665, 162-170.	3.9	32
60	Cytotoxicity of lambda-cyhalothrin on the macrophage cell line RAW 264.7. Journal of Environmental Sciences, 2010, 22, 428-432.	3.2	31
61	Enantioselective Effects of o,pâ€²-DDT on Cell Invasion and Adhesion of Breast Cancer Cells: Chirality in Cancer Development. Environmental Science & Technology, 2015, 49, 10028-10037.	4.6	31
62	Pubertal exposure to the endocrine disruptor mono-2-ethylhexyl ester at body burden level caused cholesterol imbalance in mice. Environmental Pollution, 2019, 244, 657-666.	3.7	30
63	Enantioselective aquatic toxicity of current chiral pesticides. Journal of Environmental Monitoring, 2012, 14, 465-472.	2.1	29
64	Fipronil-induced enantioselective developmental toxicity to zebrafish embryo-larvae involves changes in DNA methylation. Scientific Reports, 2017, 7, 2284.	1.6	29
65	Toxicological Effect and Molecular Mechanism of the Chiral Neonicotinoid Dinotefuran in Honeybees. Environmental Science & Technology, 2022, 56, 1104-1112.	4.6	29
66	Immunotoxicity of pyrethroid metabolites in an in vitro model. Environmental Toxicology and Chemistry, 2010, 29, 2505-2510.	2.2	27
67	Biofunctionalization of a â€œClickableâ€•Organic Layer Photochemically Grafted on Titanium Substrates. Langmuir, 2011, 27, 4848-4856.	1.6	26
68	The organochlorine p,pâ€²-dichlorodiphenyltrichloroethane induces colorectal cancer growth through Wnt/Î²-catenin signaling. Toxicology Letters, 2014, 229, 284-291.	0.4	26
69	Occurrence and partitioning of polyhalogenated carbazoles in seawater and sediment from East China Sea. Water Research, 2021, 190, 116717.	5.3	26
70	p, pâ€²-Dichlorodiphenyldichloroethylene Induces Colorectal Adenocarcinoma Cell Proliferation through Oxidative Stress. PLoS ONE, 2014, 9, e112700.	1.1	26
71	Polychlorinated Biphenyls (PCBs) Inhibit Hepcidin Expression through an Estrogen-Like Effect Associated with Disordered Systemic Iron Homeostasis. Chemical Research in Toxicology, 2015, 28, 629-640.	1.7	25
72	Occurrence of Free-Form and Conjugated Bisphenol Analogues in Marine Organisms. Environmental Science & Technology, 2021, 55, 4914-4922.	4.6	25

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73	Enantioselective Cytotoxicity Profile of o,pâ€™-DDT in PC 12 Cells. PLoS ONE, 2012, 7, e43823.	1.1	24
74	Oxidative stressâ€related DNA damage and homologous recombination repairing induced by N,Nâ€dimethylformamide. Journal of Applied Toxicology, 2016, 36, 936-945.	1.4	24
75	Household air pollution from cooking and heating and its impacts on blood pressure in residents living in rural cave dwellings in Loess Plateau of China. Environmental Science and Pollution Research, 2020, 27, 36677-36687.	2.7	24
76	Environmental behavior and safety of polyhalogenated carbazoles (PHCZs): A review. Environmental Pollution, 2021, 268, 115717.	3.7	23
77	Determination of endocrine-disrupting potencies of agricultural soils in China via a battery of steroid receptor bioassays. Environmental Pollution, 2018, 234, 846-854.	3.7	22
78	Consumption of drinking water N-Nitrosamines mixture alters gut microbiome and increases the obesity risk in young male rats. Environmental Pollution, 2019, 248, 388-396.	3.7	22
79	Never deem lightly the â€œless harmfulâ€•low-molecular-weight PAH, NPAH, and OPAH â€” Disturbance of the immune response at real environmental levels. Chemosphere, 2017, 168, 568-577.	4.2	21
80	Enantioselective interaction with acetylcholinesterase of an organophosphate insecticide fenamiphos. Chirality, 2010, 22, 612-617.	1.3	20
81	Water quality monitoring using abnormal tail-beat frequency of crucian carp. Ecotoxicology and Environmental Safety, 2015, 111, 185-191.	2.9	20
82	Distribution and partitioning of pyrethroid insecticides in agricultural lands: Critical influencing factors. Environment International, 2021, 156, 106736.	4.8	20
83	Low Concentrations of o,pâ€™-DDT Inhibit Gene Expression and Prostaglandin Synthesis by Estrogen Receptor-Independent Mechanism in Rat Ovarian Cells. PLoS ONE, 2012, 7, e49916.	1.1	20
84	A combination of ternary classification models and reporter gene assays for the comprehensive thyroid hormone disruption profiles of 209 polychlorinated biphenyls. Chemosphere, 2018, 210, 312-319.	4.2	19
85	Separation and aquatic toxicity of enantiomers of 1â€(substituted phenoxyacetoxy)alkylphosphonate herbicides. Chirality, 2008, 20, 130-138.	1.3	18
86	Degradation of the potential rodent contraceptive quinestrol and elimination of its estrogenic activity in soil and water. Environmental Science and Pollution Research, 2014, 21, 652-659.	2.7	18
87	Ambient air pollution of particles and gas pollutants, and the predicted health risks from long-term exposure to PM2.5 in Zhejiang province, China. Environmental Science and Pollution Research, 2018, 25, 23833-23844.	2.7	18
88	2,7-Dibromocarbazole interferes with tube formation in HUVECs by altering Ang2 promoter DNA methylation status. Science of the Total Environment, 2019, 697, 134156.	3.9	18
89	Triphenyl phosphate causes a sexually dimorphic metabolism dysfunction associated with disordered adiponectin receptors in pubertal mice. Journal of Hazardous Materials, 2020, 388, 121732.	6.5	18
90	New insight into the enantioselective cytotoxicity of cypermethrin: imbalance between cell cycle and apoptosis. Journal of Hazardous Materials, 2021, 403, 123893.	6.5	18

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91	Enantioselectivity in estrogenicity of the organochlorine insecticide acetofenate in human trophoblast and MCF-7 cells. Reproductive Toxicology, 2012, 33, 53-59.	1.3	17
92	A ternary classification using machine learning methods of distinct estrogen receptor activities within a large collection of environmental chemicals. Science of the Total Environment, 2017, 580, 1268-1275.	3.9	17
93	High spatial resolved cropland coverage and cultivation category determine neonicotinoid distribution in agricultural soil at the provincial scale. Journal of Hazardous Materials, 2022, 430, 128476.	6.5	17
94	Acute and chronic toxicity of organophosphate monocrotophos toDaphnia magna. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2008, 44, 38-43.	0.7	16
95	Multilevel evaluations of potential liver injury of bifenthrin. Pesticide Biochemistry and Physiology, 2015, 122, 29-37.	1.6	16
96	Suppression of progesterone synthesis in human trophoblast cells by fine particulate matter primarily derived from industry. Environmental Pollution, 2017, 231, 1172-1180.	3.7	16
97	Occurrence, bioaccumulation and potential risk of polyhalogenated carbazoles in marine organisms from the East China Sea. Science of the Total Environment, 2022, 807, 150643.	3.9	16
98	Biotransformation Mechanism of Pesticides by Cytochrome P450: A DFT Study on Dieldrin. Chemical Research in Toxicology, 2020, 33, 1442-1448.	1.7	15
99	Temporal trends and risk assessment of polychlorinated biphenyls and heavy metals in a solid waste site in Taizhou, China. Environmental Science and Pollution Research, 2016, 23, 438-446.	2.7	14
100	Enantioselectivity in endocrine disrupting effects of four cypermethrin enantiomers based on inÂvitro models. Chemosphere, 2019, 220, 766-773.	4.2	14
101	Effects of glyphosate at environmentally relevant concentrations on the growth of and microcystin production by Microcystis aeruginosa. Environmental Monitoring and Assessment, 2016, 188, 632.	1.3	13
102	Downregulations of placental fatty acid transporters during cadmium-induced fetal growth restriction. Toxicology, 2019, 423, 112-122.	2.0	13
103	Bioaccumulation and trophic magnification of short chain chlorinated paraffins in marine organisms from East China Sea. Marine Pollution Bulletin, 2021, 173, 113049.	2.3	13
104	p,pâ€²-DDE Induces Apoptosis through the Modulation of Tumor Necrosis Factor Î± in PC12 Cells. Chemical Research in Toxicology, 2014, 27, 507-513.	1.7	12
105	Degradation Kinetics and Transformation Products of Levonorgestrel and Quinestrol in Soils. Journal of Agricultural and Food Chemistry, 2019, 67, 4160-4169.	2.4	12
106	Systematic investigation of stereochemistry, stereoselective bioactivity, and antifungal mechanism of chiral triazole fungicide metconazole. Science of the Total Environment, 2021, 784, 147194.	3.9	12
107	Per-/polyfluoroalkyl substance concentrations in human serum and their associations with immune markers of rheumatoid arthritis. Chemosphere, 2022, 298, 134338.	4.2	12
108	Dynamic change of Adamalysin 19 (ADAM19) in human placentas and its effects on cell invasion and adhesion in human trophoblastic cells. Science in China Series C: Life Sciences, 2009, 52, 710-718.	1.3	11

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109	The role of oxidative stress in enantiomerâ€specific, bifenthrinâ€induced cytotoxicity in PC12 cells. Environmental Toxicology, 2011, 26, 271-278.	2.1	11
110	Characteristics of ambient ozone (O3) pollution and health risks in Zhejiang Province. Environmental Science and Pollution Research, 2017, 24, 27436-27444.	2.7	10
111	Enantioselective effect of glufosinate on the growth of maize seedlings. Environmental Science and Pollution Research, 2019, 26, 171-178.	2.7	10
112	Assessing the Efficacy-Risk of the Widely Used Chiral Glufosinate: Switch from the Racemate to the Single Enantiomer?. Environmental Science and Technology Letters, 2020, 7, 143-148.	3.9	10
113	Effects of Bisphenol A and Bisphenol S Exposure at Low Doses on the Metabolome of Adolescent Male Sprague–Dawley Rats. Chemical Research in Toxicology, 2021, 34, 1578-1587.	1.7	10
114	Old pesticide, new use: Smart and safe enantiomer of isocarbophos in locust control. Ecotoxicology and Environmental Safety, 2021, 225, 112710.	2.9	10
115	Screening of potential oestrogen receptor Î± agonists in pesticides via in silico, inÂvitro and inÂvivo methods. Environmental Pollution, 2021, 270, 116015.	3.7	9
116	Organochlorine Pesticide Ban Facilitated Reproductive Recovery of Chinese Striped Hamsters. Environmental Science & Technology, 2021, 55, 6140-6149.	4.6	9
117	Neonicotinoid pollution in marine sediments of the East China Sea. Science of the Total Environment, 2022, 842, 156658.	3.9	8
118	Identification and profiling of microRNAs responsive to cadmium toxicity in hepatopancreas of the freshwater crab Sinopotamon henanense. Hereditas, 2019, 156, 34.	0.5	7
119	Four cypermethrin isomers induced stereoselective metabolism in H295R cells. Chirality, 2020, 32, 1107-1118.	1.3	5
120	Stereoselective Phytotoxicity of HCH Mediated by Photosynthetic and Antioxidant Defense Systems in Arabidopsis thaliana. PLoS ONE, 2013, 8, e51043.	1.1	4
121	Analysis of the Different Metabolic Phenotypes of Metalaxyl Enantiomers in Adolescent Rat by Using 1H NMR Based Urinary Metabolomics. Chemical Research in Toxicology, 2020, 33, 1449-1457.	1.7	3
122	Evaluated serum perfluoroalkyl acids and their relationships with the incidence of rheumatoid arthritis in the general population in Hangzhou, China. Environmental Pollution, 2022, 307, 119505.	3.7	3
123	Triticonazole enantiomers induced enantioselective metabolic phenotypes in Fusarium graminearum and HepG2 cells. Environmental Science and Pollution Research, 2022, 29, 75978-75988.	2.7	3
124	Enantioselectivity in Estrogenic Potential of Chiral Pesticides. ACS Symposium Series, 2011, , 121-134.	0.5	2
125	Enantioselective Cytotoxicity and Molecular Mechanisms of Modern Chiral Pesticides. ACS Symposium Series, 2011, , 153-165.	0.5	2
126	p,p–²-Dichlorodiphenyltrichloroethane inhibits the apoptosis of colorectal adenocarcinoma DLD1 cells through PI3K/AKT and Hedgehog/Gli1 signaling pathways. Toxicology Research, 2015, 4, 1214-1224.	0.9	2