

Donghui Liu

List of Publications by Year in descending order

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96
papers

2,422
citations

172457

29
h-index

265206

42
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97
all docs

97
docs citations

97
times ranked

2512
citing authors

#	ARTICLE	IF	CITATIONS
1	Organophosphorus pesticide chlorpyrifos intake promotes obesity and insulin resistance through impacting gut and gut microbiota. <i>Microbiome</i> , 2019, 7, 19.	11.1	149
2	The influence of polyethylene microplastics on pesticide residue and degradation in the aquatic environment. <i>Journal of Hazardous Materials</i> , 2020, 394, 122517.	12.4	83
3	Application of a magnetic graphene nanocomposite for organophosphorus pesticide extraction in environmental water samples. <i>Journal of Chromatography A</i> , 2018, 1535, 9-16.	3.7	69
4	Synthesis of novel β -cyclodextrin functionalized S, N codoped carbon dots for selective detection of testosterone. <i>Biosensors and Bioelectronics</i> , 2017, 98, 195-201.	10.1	67
5	Enantioselective degradation of fipronil in Chinese cabbage (<i>Brassica pekinensis</i>). <i>Food Chemistry</i> , 2008, 110, 399-405.	8.2	65
6	Multifunctional β -Cyclodextrin MOF-Derived Porous Carbon as Efficient Herbicides Adsorbent and Potassium Fertilizer. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14479-14489.	6.7	64
7	Nonoccupational Exposure to Pyrethroids and Risk of Coronary Heart Disease in the Chinese Population. <i>Environmental Science & Technology</i> , 2017, 51, 664-670.	10.0	60
8	A novel magnetic ionic liquid modified carbon nanotube for the simultaneous determination of aryloxyphenoxy-propionate herbicides and their metabolites in water. <i>Analytica Chimica Acta</i> , 2014, 852, 88-96.	5.4	58
9	Enantiomer-specific toxicity and bioaccumulation of alpha-cypermethrin to earthworm <i>Eisenia fetida</i> . <i>Journal of Hazardous Materials</i> , 2011, 192, 1072-1078.	12.4	54
10	Enantioselective Acute Toxicity and Bioaccumulation of Benalaxyl in Earthworm (<i>Eisenia fedtia</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8545-8549.	5.2	51
11	A simplified procedure for the determination of organochlorine pesticides and polychlorobiphenyls in edible vegetable oils. <i>Food Chemistry</i> , 2014, 151, 47-52.	8.2	50
12	Enantioselective Degradation and Chiral Stability of Malathion in Environmental Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 372-379.	5.2	47
13	Bioactivity, toxicity and dissipation of hexaconazole enantiomers. <i>Chemosphere</i> , 2013, 93, 2523-2527.	8.2	46
14	Enantioselective behavior of malathion enantiomers in toxicity to beneficial organisms and their dissipation in vegetables and crops. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 140-146.	12.4	45
15	Hydrophilic-lipophilic balanced magnetic nanoparticles: Preparation and application in magnetic solid-phase extraction of organochlorine pesticides and triazine herbicides in environmental water samples. <i>Talanta</i> , 2014, 127, 1-8.	5.5	44
16	Effervescence assisted on-site liquid phase microextraction for the determination of five triazine herbicides in water. <i>Journal of Chromatography A</i> , 2014, 1371, 58-64.	3.7	44
17	Antibiotics may increase triazine herbicide exposure risk via disturbing gut microbiota. <i>Microbiome</i> , 2018, 6, 224.	11.1	43
18	Direct chiral resolution and its application to the determination of fungicide benalaxyl in soil and water by high-performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2006, 555, 210-216.	5.4	42

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19	Bioaccumulation and Metabolism of Carbosulfan in Zebrafish (<i>Danio rerio</i>) and the Toxic Effects of Its Metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12348-12356.	5.2	36
20	Ultrafast Removal of Cadmium(II) by Green Cyclodextrin Metal-Organic Framework-Based Nanoporous Carbon: Adsorption Mechanism and Application. <i>Chemistry - an Asian Journal</i> , 2019, 14, 261-268.	3.3	36
21	Enantioselective degradation and chiral stability of the herbicide fluzifop-butyl in soil and water. <i>Chemosphere</i> , 2016, 146, 315-322.	8.2	35
22	Pectin reduces environmental pollutant-induced obesity in mice through regulating gut microbiota: A case study of p,p'-DDE. <i>Environment International</i> , 2019, 130, 104861.	10.0	35
23	Enantioselective toxic effects and environmental behavior of ethiprole and its metabolites against <i>Chlorella pyrenoidosa</i> . <i>Environmental Pollution</i> , 2019, 244, 757-765.	7.5	33
24	Effects of antibiotic norfloxacin on the degradation and enantioselectivity of the herbicides in aquatic environment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111717.	6.0	32
25	Stereoselective metabolism of fipronil in water hyacinth (<i>Eichhornia crassipes</i>). <i>Pesticide Biochemistry and Physiology</i> , 2010, 97, 289-293.	3.6	31
26	Enantioselective Environmental Behavior of the Chiral Herbicide Fenoxaprop-ethyl and Its Chiral Metabolite Fenoxaprop in Soil. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12878-12884.	5.2	31
27	Chiral Insecticide \pm -Cypermethrin and Its Metabolites: Stereoselective Degradation Behavior in Soils and the Toxicity to Earthworm <i>Eisenia fetida</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7714-7720.	5.2	31
28	Effervescence assisted dispersive liquid-liquid microextraction based on cohesive floating organic drop for the determination of herbicides and fungicides in water and grape juice. <i>Food Chemistry</i> , 2018, 245, 653-658.	8.2	31
29	A simple method for the determination of organochlorine pollutants and the enantiomers in oil seeds based on matrix solid-phase dispersion. <i>Food Chemistry</i> , 2016, 194, 319-324.	8.2	30
30	A full evaluation of chiral phenylpyrazole pesticide flufiprole and the metabolites to non-target organism in paddy field. <i>Environmental Pollution</i> , 2020, 264, 114808.	7.5	30
31	Enantioselective phytotoxicity and bioactivity of the enantiomers of the herbicide napropamide. <i>Pesticide Biochemistry and Physiology</i> , 2015, 125, 38-44.	3.6	29
32	New insight into the mechanism of POP-induced obesity: Evidence from DDE-altered microbiota. <i>Chemosphere</i> , 2020, 244, 125123.	8.2	29
33	Approach for Pesticide Residue Analysis for Metabolite Prothioconazole-desthio in Animal Origin Food. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2481-2487.	5.2	28
34	The enantioselective environmental behavior and toxicological effects of pyriproxyfen in soil. <i>Journal of Hazardous Materials</i> , 2019, 365, 97-106.	12.4	28
35	Enantioselective accumulation, metabolism and phytoremediation of lactofen by aquatic macrophyte <i>Lemna minor</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017, 143, 186-192.	6.0	27
36	The effect of biochar on the mitigation of the chiral insecticide fipronil and its metabolites burden on loach (<i>Misgurnus.anguillicaudatus</i>). <i>Journal of Hazardous Materials</i> , 2018, 360, 214-222.	12.4	27

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37	Magnetic partially carbonized cellulose nanocrystal-based magnetic solid phase extraction for the analysis of triazine and triazole pesticides in water. <i>Mikrochimica Acta</i> , 2019, 186, 825.	5.0	27
38	A full evaluation for the enantiomeric impacts of lactofen and its metabolites on aquatic macrophyte <i>Lemna minor</i> . <i>Water Research</i> , 2016, 101, 55-63.	11.3	26
39	Chiral quizalofop-ethyl and its metabolite quizalofop-acid in soils: Enantioselective degradation, enzymes interaction and toxicity to <i>Eisenia foetida</i> . <i>Chemosphere</i> , 2016, 152, 173-180.	8.2	25
40	The effect of antibiotics on the persistence of herbicides in soil under the combined pollution. <i>Chemosphere</i> , 2018, 204, 303-309.	8.2	24
41	The biological activities of prothioconazole enantiomers and their toxicity assessment on aquatic organisms. <i>Chirality</i> , 2019, 31, 468-475.	2.6	24
42	Stereoselective quantitation of haloxyfop in environment samples and enantioselective degradation in soils. <i>Chemosphere</i> , 2015, 119, 583-589.	8.2	22
43	Enantioselective degradation of the chiral alpha-cypermethrin and detection of its metabolites in five plants. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1558-1564.	5.3	21
44	Toxicity risk assessment of pyriproxyfen and metabolites in the rat liver: A vitro study. <i>Journal of Hazardous Materials</i> , 2020, 389, 121835.	12.4	21
45	Assessment of toxicity and environmental behavior of chiral ethiprole and its metabolites using zebrafish model. <i>Journal of Hazardous Materials</i> , 2021, 414, 125492.	12.4	21
46	Enantioselective degradation of hexaconazole in rat hepatic microsomes in vitro. <i>Chirality</i> , 2012, 24, 283-288.	2.6	19
47	Co-exposure of Monensin Increased the Risks of Atrazine to Earthworms. <i>Environmental Science & Technology</i> , 2022, 56, 7883-7894.	10.0	19
48	Low-density magnetofluid dispersive liquid-liquid microextraction for the fast determination of organochlorine pesticides in water samples by GC-ECD. <i>Analytica Chimica Acta</i> , 2013, 793, 37-43.	5.4	18
49	Fate and Stereoselective Behavior of Benalaxyl in a Water-Sediment Microcosm. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5205-5211.	5.2	18
50	Effects of wastewater irrigation and sewage sludge application on soil residues of chiral fungicide benalaxyl. <i>Environmental Pollution</i> , 2017, 224, 1-6.	7.5	18
51	Exposure of frogs and tadpoles to chiral herbicide fenoxaprop-ethyl. <i>Chemosphere</i> , 2017, 186, 832-838.	8.2	18
52	Coexisting antibiotic changes the persistence and metabolic profile of atrazine in the environment. <i>Chemosphere</i> , 2021, 269, 129333.	8.2	18
53	Accumulation, distribution and removal of triazine pesticides by <i>Eichhornia crassipes</i> in water-sediment microcosm. <i>Ecotoxicology and Environmental Safety</i> , 2021, 219, 112236.	6.0	18
54	Enantioselective bioaccumulation and metabolism of lactofen in zebrafish <i>Danio rerio</i> and combined effects with its metabolites. <i>Chemosphere</i> , 2018, 213, 443-452.	8.2	17

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55	Toxicity and fate of chiral insecticide pyriproxyfen and its metabolites in zebrafish (<i>Danio rerio</i>). <i>Environmental Pollution</i> , 2021, 280, 116894.	7.5	17
56	Environmental Fate of Chiral Herbicide Fenoxaprop-ethyl in Water-Sediment Microcosms. <i>Scientific Reports</i> , 2016, 6, 26797.	3.3	16
57	Tissue Distribution, Accumulation, and Metabolism of Chiral Flufiprole in Loach (<i>Misgurnus</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10784-10791.	5.2	16
58	Occurrence and migration of phthalates in adhesive materials to fruits and vegetables. <i>Journal of Hazardous Materials</i> , 2021, 418, 126277.	12.4	16
59	Enantioselective degradation of prothioconazole in soil and the impacts on the enzymes and microbial community. <i>Science of the Total Environment</i> , 2022, 824, 153658.	8.0	16
60	Enantioselective dissipation of pyriproxyfen in soils and sand. <i>Chirality</i> , 2017, 29, 358-368.	2.6	15
61	The influence of oxytetracycline on the degradation and enantioselectivity of the chiral pesticide beta-cypermethrin in soil. <i>Environmental Pollution</i> , 2019, 255, 113215.	7.5	15
62	Distribution, metabolism and metabolic disturbances of alpha-cypermethrin in embryo development, chick growth and adult hens. <i>Environmental Pollution</i> , 2019, 249, 390-397.	7.5	15
63	pH-controlled quaternary ammonium herbicides capture/release by carboxymethyl- β -cyclodextrin functionalized magnetic adsorbents: Mechanisms and application. <i>Analytica Chimica Acta</i> , 2015, 901, 51-58.	5.4	14
64	Catechol Dyes as Tyrosinase System for Colorimetric Determination and Discrimination of Dithiocarbamate Pesticides. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9252-9259.	5.2	14
65	Enantiomeric separation of malathion and malaoxon and the chiral residue analysis in food and environmental matrix. <i>Chirality</i> , 2020, 32, 1053-1061.	2.6	14
66	Biodegradation of Chiral Flufiprole in <i>Chlorella pyrenoidosa</i> : Kinetics, Transformation Products, and Toxicity Evaluation. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1966-1973.	5.2	14
67	Enantioselective metabolism of the chiral herbicide diclofop-methyl and diclofop by HPLC in loach (<i>Misgurnus anguillicaudatus</i>) liver microsomes in vitro. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 969, 132-138.	2.3	13
68	Polymer-coated magnetic nanospheres for preconcentration of organochlorine and pyrethroid pesticides prior to their determination by gas chromatography with electron capture detection. <i>Mikrochimica Acta</i> , 2016, 183, 1187-1194.	5.0	13
69	Gut microbiome alterations induced by tributyltin exposure are associated with increased body weight, impaired glucose and insulin homeostasis and endocrine disruption in mice. <i>Environmental Pollution</i> , 2020, 266, 115276.	7.5	13
70	Deep eutectic solvent-based liquid phase microextraction for the determination of pharmaceuticals and personal care products in fish oil. <i>New Journal of Chemistry</i> , 2017, 41, 15105-15109.	2.8	12
71	Supramolecular fluorescent sensor array for simultaneous qualitative and quantitative analysis of quaternary ammonium herbicides. <i>New Journal of Chemistry</i> , 2018, 42, 17317-17322.	2.8	12
72	Enantioselective Characteristics and Montmorillonite-Mediated Removal Effects of β -Hexachlorocyclohexane in Laying Hens. <i>Environmental Science & Technology</i> , 2016, 50, 5695-5701.	10.0	11

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73	Fluorometric atrazine assay based on the use of nitrogen-doped graphene quantum dots and on inhibition of the activity of tyrosinase. <i>Mikrochimica Acta</i> , 2019, 186, 527.	5.0	11
74	Gender-Related In Vitro Metabolism of Hexaconazole and Its Enantiomers in Rats. <i>Chirality</i> , 2013, 25, 852-857.	2.6	10
75	Enantioselective behaviour of the herbicide fluazifop-butyl in vegetables and soil. <i>Food Chemistry</i> , 2017, 221, 1120-1127.	8.2	10
76	Absorption, Distribution, Metabolism, and in Vitro Digestion of Beta-Cypermethrin in Laying Hens. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7647-7652.	5.2	10
77	Effects of three surfactants on the degradation and environmental risk of metolachlor in aquatic environment. <i>Chemosphere</i> , 2022, 300, 134295.	8.2	10
78	Enantioselective degradation of alpha-cypermethrin and detection of its metabolites in bullfrog (<i>Rana</i> sp.). <i>Chirality</i> , 2019, 31, 1075-1081.	6.0	10
79	The Chiral Separation of Triazole Pesticides Enantiomers by Amylose-tris(3,5-dimethylphenylcarbamate) Chiral Stationary Phase. <i>Journal of Chromatographic Science</i> , 2008, 46, 787-792.	1.4	8
80	Enantioselective Degradation and Chiral Stability of Metalaxyl-M in Tomato Fruits. <i>Chirality</i> , 2016, 28, 382-386.	2.6	8
81	Enantiomeric Separations of Pyriproxyfen and its Six Chiral Metabolites by High-Performance Liquid Chromatography. <i>Chirality</i> , 2016, 28, 245-252.	2.6	8
82	Matrix Solid-Phase Dispersion Combined with GC-MS/MS for the Determination of Organochlorine Pesticides and Polychlorinated Biphenyls in Marketed Seafood. <i>Chromatographia</i> , 2017, 80, 813-824.	1.3	8
83	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
84	Enantioselective dissipation of pyriproxyfen in soil under fertilizers use. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 404-411.	6.0	7
85	Chiral Separation and Enantioselective Degradation of Vinclozolin in Soils. <i>Chirality</i> , 2014, 26, 155-159.	2.6	6
86	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
87	Effects of Cd ²⁺ and Pb ²⁺ on enantioselective degradation behavior of Î±-cypermethrin in soils and their combined effect on activities of soil enzymes. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47099-47106.	5.3	5
88	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
89	Evaluation of organochlorine pesticides in soil using ultrasound-assisted liquid phase microextraction. <i>Analytical Methods</i> , 2015, 7, 1366-1371.	2.7	4
90	Tyrosinase coupled with boron-doped carbon nanodots for fluorometric determination of dithiocarbamate fungicide ziram. <i>Microchemical Journal</i> , 2021, 166, 106241.	4.5	4

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91	Enantioselective Metabolism of Quizalofop-Ethyl in Rat. PLoS ONE, 2014, 9, e101052.	2.5	4
92	Enantioselective characteristics, bioaccumulation and toxicological effects of chlordane-related compounds in laying hens. Chemosphere, 2022, 300, 134486.	8.2	4
93	A Simple Method for the Determination of Pharmaceutical and Personal Care Products in Fish Tissue Based on Matrix Solid-Phase Dispersion. Journal of Agricultural and Food Chemistry, 2021, 69, 15738-15745.	5.2	4
94	Minimizing geometric isomerization of λ -cypermethrin in the residue analysis. Food Chemistry, 2016, 196, 828-832.	8.2	3
95	The enantioselective metabolic mechanism of quizalofop-ethyl and quizalofop-acid enantiomers in animal: protein binding, intestinal absorption, and in vitro metabolism in plasma and the microsome. RSC Advances, 2016, 6, 99003-99009.	3.6	1
96	Analysis of volatile organic compounds in environmental matrices by nitrogen-assisted headspace solid-phase extraction. New Journal of Chemistry, 2019, 43, 8788-8795.	2.8	1