

# Weiping Liu

## List of Publications by Citations

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| 346<br>papers      | 13,526<br>citations      | 63<br>h-index  | 94<br>g-index   |
| 349<br>ext. papers | 15,366<br>ext. citations | 7.4<br>avg, IF | 6.78<br>L-index |

| #   | Paper                                                                                                                                                                                                                                                                 | IF   | Citations |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 346 | Enantioselectivity in environmental safety of current chiral insecticides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 701-6                                                                          | 11.5 | 411       |
| 345 | Oxidative stress response and gene expression with atrazine exposure in adult female zebrafish (Danio rerio). <i>Chemosphere</i> , <b>2010</b> , 78, 846-52                                                                                                           | 8.4  | 293       |
| 344 | Fast and highly efficient removal of dyes under alkaline conditions using magnetic chitosan-Fe(III) hydrogel. <i>Water Research</i> , <b>2011</b> , 45, 5200-10                                                                                                       | 12.5 | 247       |
| 343 | Oxidative removal of bisphenol A by manganese dioxide: efficacy, products, and pathways. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3860-4                                                                                                     | 10.3 | 221       |
| 342 | Status of metal accumulation in farmland soils across China: from distribution to risk assessment. <i>Environmental Pollution</i> , <b>2013</b> , 176, 55-62                                                                                                          | 9.3  | 192       |
| 341 | Fe-g-C <sub>3</sub> N <sub>4</sub> /graphitized mesoporous carbon composite as an effective Fenton-like catalyst in a wide pH range. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 201, 232-240                                                           | 21.8 | 183       |
| 340 | Enantioselectivity in environmental risk assessment of modern chiral pesticides. <i>Environmental Pollution</i> , <b>2010</b> , 158, 2371-83                                                                                                                          | 9.3  | 183       |
| 339 | Status of phthalate esters contamination in agricultural soils across China and associated health risks. <i>Environmental Pollution</i> , <b>2014</b> , 195, 16-23                                                                                                    | 9.3  | 168       |
| 338 | Cobalt(III)-Catalyzed C-H/N-O Functionalizations: Isohyptic Access to Isoquinolines. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15525-8                                                                                                                | 4.8  | 163       |
| 337 | Effects of copper sulfate, hydrogen peroxide and N-phenyl-2-naphthylamine on oxidative stress and the expression of genes involved photosynthesis and microcystin disposition in <i>Microcystis aeruginosa</i> . <i>Aquatic Toxicology</i> , <b>2010</b> , 99, 405-12 | 5.1  | 162       |
| 336 | Particle size-specific distributions and preliminary exposure assessments of organophosphate flame retardants in office air particulate matter. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 63-70                                               | 10.3 | 160       |
| 335 | Combined effect of copper and cadmium on <i>Chlorella vulgaris</i> growth and photosynthesis-related gene transcription. <i>Aquatic Toxicology</i> , <b>2009</b> , 94, 56-61                                                                                          | 5.1  | 155       |
| 334 | Cypermethrin has the potential to induce hepatic oxidative stress, DNA damage and apoptosis in adult zebrafish (Danio rerio). <i>Chemosphere</i> , <b>2011</b> , 82, 398-404                                                                                          | 8.4  | 152       |
| 333 | Effect of endocrine disrupting chemicals on the transcription of genes related to the innate immune system in the early developmental stage of zebrafish (Danio rerio). <i>Fish and Shellfish Immunology</i> , <b>2010</b> , 28, 854-61                               | 4.3  | 148       |
| 332 | Enantioselectivity in estrogenic potential and uptake of bifenthrin. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 6124-8                                                                                                                         | 10.3 | 139       |
| 331 | Allelochemical stress causes oxidative damage and inhibition of photosynthesis in <i>Chlorella vulgaris</i> . <i>Chemosphere</i> , <b>2009</b> , 75, 368-75                                                                                                           | 8.4  | 134       |
| 330 | Action mechanisms of acetolactate synthase-inhibiting herbicides. <i>Pesticide Biochemistry and Physiology</i> , <b>2007</b> , 89, 89-96                                                                                                                              | 4.9  | 131       |

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| 329 | Reaction of tetrabromobisphenol A (TBBPA) with manganese dioxide: kinetics, products, and pathways. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4480-6                                       | 10.3 | 127 |
| 328 | Highly efficient detoxification of Cr(VI) by chitosan-Fe(III) complex: process and mechanism studies. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 244-245, 689-97                                        | 12.8 | 119 |
| 327 | Effects of glufosinate on antioxidant enzymes, subcellular structure, and gene expression in the unicellular green alga <i>Chlorella vulgaris</i> . <i>Aquatic Toxicology</i> , <b>2008</b> , 88, 301-7            | 5.1  | 116 |
| 326 | Enantioselective environmental toxicology of chiral pesticides. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 325-38                                                                                  | 4    | 112 |
| 325 | Enhanced photocatalytic activity of supported TiO <sub>2</sub> : dispersing effect of SiO <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1999</b> , 122, 57-60                 | 4.7  | 106 |
| 324 | Enantioselective degradation and ecotoxicity of the chiral herbicide diclofop in three freshwater alga cultures. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 2139-46                     | 5.7  | 103 |
| 323 | Thyroid Disruption by Bisphenol S Analogues via Thyroid Hormone Receptor [in Vitro, in Vivo, and Molecular Dynamics Simulation Study]. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 6617-6625 | 10.3 | 103 |
| 322 | Occurrence and risk assessment of organophosphate esters in drinking water from Eastern China. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 959-65                                                 | 10.2 | 102 |
| 321 | Drug metabolism by cytochrome p450 enzymes: what distinguishes the pathways leading to substrate hydroxylation over desaturation?. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 9083-92               | 4.8  | 100 |
| 320 | Enantiomer separation of triazole fungicides by high-performance liquid chromatography. <i>Chirality</i> , <b>2009</b> , 21, 421-7                                                                                 | 2.1  | 100 |
| 319 | Enantioselective separation and analysis of chiral pesticides by high-performance liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2009</b> , 28, 1148-1163                                | 14.6 | 99  |
| 318 | Reinstate regional transport of PM <sub>2.5</sub> as a major cause of severe haze in Beijing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E2739-40 | 11.5 | 98  |
| 317 | Potential estrogenic effects of phosphorus-containing flame retardants. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6995-7001                                                                | 10.3 | 97  |
| 316 | Al-doping chitosan-Fe(III) hydrogel for the removal of fluoride from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2014</b> , 248, 98-106                                                            | 14.7 | 96  |
| 315 | Antioxidant defense system responses and DNA damage of earthworms exposed to perfluorooctane sulfonate (PFOS). <i>Environmental Pollution</i> , <b>2013</b> , 174, 121-7                                           | 9.3  | 96  |
| 314 | Enantioselectivity tuning of chiral herbicide dichlorprop by copper: roles of reactive oxygen species. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4778-84                                   | 10.3 | 93  |
| 313 | Separation and aquatic toxicity of enantiomers of synthetic pyrethroid insecticides. <i>Chirality</i> , <b>2005</b> , 17 Suppl, S127-33                                                                            | 2.1  | 91  |
| 312 | Endocrine-Disrupting Effects of Pesticides through Interference with Human Glucocorticoid Receptor. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 435-43                                       | 10.3 | 90  |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 311 | Enantioselective phytoeffects of chiral pesticides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 2087-95                                                                                                                                                                                                                 | 5.7  | 86 |
| 310 | Enantioselective cytotoxicity of the insecticide bifenthrin on a human amnion epithelial (FL) cell line. <i>Toxicology</i> , <b>2008</b> , 253, 89-96                                                                                                                                                                                             | 4.4  | 86 |
| 309 | Status, influences and risk assessment of hexachlorocyclohexanes in agricultural soils across china. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12140-7                                                                                                                                                                    | 10.3 | 85 |
| 308 | I2-catalyzed indole formation via oxidative cyclization of N-aryl enamines. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1340-3                                                                                                                                                                                                         | 4.5  | 85 |
| 307 | Phase distribution of synthetic pyrethroids in runoff and stream water. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 7-11                                                                                                                                                                                                    | 3.8  | 85 |
| 306 | Joint toxicity of permethrin and cypermethrin at sublethal concentrations to the embryo-larval zebrafish. <i>Chemosphere</i> , <b>2014</b> , 96, 146-54                                                                                                                                                                                           | 8.4  | 84 |
| 305 | Enantioselective degradation and chiral stability of pyrethroids in soil and sediment. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 5040-5                                                                                                                                                                               | 5.7  | 84 |
| 304 | Chlorinated Polyfluoroalkyl Ether Sulfonic Acids in Matched Maternal, Cord, and Placenta Samples: A Study of Transplacental Transfer. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6387-6394                                                                                                                                 | 10.3 | 81 |
| 303 | The effect of exogenous nitric oxide on alleviating herbicide damage in <i>Chlorella vulgaris</i> . <i>Aquatic Toxicology</i> , <b>2009</b> , 92, 250-7                                                                                                                                                                                           | 5.1  | 79 |
| 302 | Embryonic exposure to butachlor in zebrafish ( <i>Danio rerio</i> ): endocrine disruption, developmental toxicity and immunotoxicity. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 89, 189-95                                                                                                                                    | 7    | 78 |
| 301 | Enantiomeric separation of organophosphorus pesticides by high-performance liquid chromatography, gas chromatography and capillary electrophoresis and their applications to environmental fate and toxicity assays. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 1264-76 | 3.2  | 75 |
| 300 | Sorption and degradation of imidacloprid in soil and water. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2006</b> , 41, 623-34                                                                                                                                         | 2.2  | 75 |
| 299 | Occurrence, abundance, and distribution of sulfonamide and tetracycline resistance genes in agricultural soils across China. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 1977-1983                                                                                                                                           | 10.2 | 74 |
| 298 | Isomer selectivity in aquatic toxicity and biodegradation of bifenthrin and permethrin. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 1861-6                                                                                                                                                                                  | 3.8  | 72 |
| 297 | Acute exposure to synthetic pyrethroids causes bioconcentration and disruption of the hypothalamus-pituitary-thyroid axis in zebrafish embryos. <i>Science of the Total Environment</i> , <b>2016</b> , 542, 876-85                                                                                                                               | 10.2 | 71 |
| 296 | Permethrin exposure during puberty has the potential to enantioselectively induce reproductive toxicity in mice. <i>Environment International</i> , <b>2012</b> , 42, 144-51                                                                                                                                                                      | 12.9 | 71 |
| 295 | Development of chiral stationary phases for high-performance liquid chromatographic separation. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 39, 180-194                                                                                                                                                                          | 14.6 | 71 |
| 294 | Separation and aquatic toxicity of enantiomers of the pyrethroid insecticide lambda-cyhalothrin. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 174-81                                                                                                                                                                         | 3.8  | 71 |

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| 293 | Carbonaceous sulfur-containing chitosanBe(III): A novel adsorbent for efficient removal of copper (II) from water. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 372-380                                         | 14.7 | 70 |
| 292 | Single and joint acute toxicity of isocarbophos enantiomers to <i>Daphnia magna</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 4273-7                                                          | 5.7  | 69 |
| 291 | Cytotoxicity evaluation of three pairs of hexabromocyclododecane (HBCD) enantiomers on Hep G2 cell. <i>Toxicology in Vitro</i> , <b>2008</b> , 22, 1520-7                                                                   | 3.6  | 68 |
| 290 | Enantiomeric resolution and biotoxicity of methamidophos. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 8134-8                                                                                      | 5.7  | 68 |
| 289 | Isomer selectivity in aquatic toxicity and biodegradation of cypermethrin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 6233-8                                                                     | 5.7  | 67 |
| 288 | Chiral stability of synthetic pyrethroid insecticides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 3814-20                                                                                        | 5.7  | 66 |
| 287 | Isomer-Specific Transplacental Transfer of Perfluoroalkyl Acids: Results from a Survey of Paired Maternal, Cord Sera, and Placentas. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 5756-5763            | 10.3 | 65 |
| 286 | Arsenic in agricultural soils across China: Distribution pattern, accumulation trend, influencing factors, and risk assessment. <i>Science of the Total Environment</i> , <b>2018</b> , 616-617, 156-163                    | 10.2 | 64 |
| 285 | Effect of chitosan on the enantioselective bioavailability of the herbicide dichlorprop to <i>Chlorella pyrenoidosa</i> . <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 4981-7                          | 10.3 | 63 |
| 284 | Integrative assessment of enantioselectivity in endocrine disruption and immunotoxicity of synthetic pyrethroids. <i>Environmental Pollution</i> , <b>2010</b> , 158, 1968-73                                               | 9.3  | 63 |
| 283 | Induction of hepatic estrogen-responsive gene transcription by permethrin enantiomers in male adult zebrafish. <i>Aquatic Toxicology</i> , <b>2008</b> , 88, 146-52                                                         | 5.1  | 63 |
| 282 | Disruption of the hormonal network and the enantioselectivity of bifenthrin in trophoblast: maternal-fetal health risk of chiral pesticides. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8109-16      | 10.3 | 62 |
| 281 | Induction of macrophage apoptosis by an organochlorine insecticide acetofenate. <i>Chemical Research in Toxicology</i> , <b>2009</b> , 22, 504-10                                                                           | 4    | 62 |
| 280 | Occurrence of phthalate esters in sediments in Qiantang River, China and inference with urbanization and river flow regime. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 248-249, 142-9                            | 12.8 | 61 |
| 279 | Residues of currently and never used organochlorine pesticides in agricultural soils from Zhejiang Province, China. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 2982-8                            | 5.7  | 61 |
| 278 | Spatial distribution of hexachlorocyclohexanes in agricultural soils in Zhejiang province, China, and correlations with elevation and temperature. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6303-8 | 10.3 | 59 |
| 277 | Inhibitory effects of paraquat on photosynthesis and the response to oxidative stress in <i>Chlorella vulgaris</i> . <i>Ecotoxicology</i> , <b>2009</b> , 18, 537-43                                                        | 2.9  | 59 |
| 276 | Efficient removal of dyes in water using chitosan microsphere supported cobalt (II) tetrasulfophthalocyanine with H <sub>2</sub> O <sub>2</sub> . <i>Journal of Hazardous Materials</i> , <b>2010</b> , 177, 560-6          | 12.8 | 59 |

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| 275 | Adsorption of acetanilide herbicides on soils and its correlation with soil properties. <i>Pest Management Science</i> , <b>1999</b> , 55, 1103-1108                                                                                     |      | 59 |
| 274 | Inhibitory effects of atrazine on <i>Chlorella vulgaris</i> as assessed by real-time polymerase chain reaction. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 182-7                                                  | 3.8  | 58 |
| 273 | Residues and enantiomeric profiling of organochlorine pesticides in sediments from Yueqing Bay and Sanmen Bay, East China Sea. <i>Chemosphere</i> , <b>2010</b> , 80, 652-9                                                              | 8.4  | 57 |
| 272 | Benzotriazole UV 328 and UV-P showed distinct antiandrogenic activity upon human CYP3A4-mediated biotransformation. <i>Environmental Pollution</i> , <b>2017</b> , 220, 616-624                                                          | 9.3  | 56 |
| 271 | Enantioselective phytotoxicity of the herbicide imazethapyr in rice. <i>Chemosphere</i> , <b>2009</b> , 76, 885-92                                                                                                                       | 8.4  | 56 |
| 270 | Separation and analysis of diastereomers and enantiomers of cypermethrin and cyfluthrin by gas chromatography. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 755-61                                              | 5.7  | 56 |
| 269 | Influence of organic matter and its clay complexes on metolachlor adsorption on soil. <i>Pest Management Science</i> , <b>1992</b> , 36, 283-286                                                                                         |      | 56 |
| 268 | Resolution of the Ongoing Challenge of Estimating Nonpoint Source Neonicotinoid Pollution in the Yangtze River Basin Using a Modified Mass Balance Approach. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2539-2548 | 10.3 | 56 |
| 267 | Spatial and temporal distributions of air pollutant emissions from open crop straw and biomass burnings in China from 2002 to 2016. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 301-309                                   | 13.3 | 55 |
| 266 | Disrupting effects of bifenthrin on ovulatory gene expression and prostaglandin synthesis in rat ovarian granulosa cells. <i>Toxicology</i> , <b>2011</b> , 282, 47-55                                                                   | 4.4  | 55 |
| 265 | Inhibition of aquatic toxicity of pyrethroid insecticides by suspended sediment. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 1913-9                                                                                | 3.8  | 55 |
| 264 | Distribution of organochlorine pesticides in sediments from Yangtze River Estuary and the adjacent East China Sea: implication of transport, sources and trends. <i>Chemosphere</i> , <b>2014</b> , 114, 26-34                           | 8.4  | 54 |
| 263 | Dissipation and enantioselective degradation of plant growth retardants paclobutrazol and uniconazole in open field, greenhouse, and laboratory soils. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 843-9           | 10.3 | 54 |
| 262 | Structural influences in relative sorptivity of chloroacetanilide herbicides on soil. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 4320-5                                                                       | 5.7  | 53 |
| 261 | Estrogenic activity of lambda-cyhalothrin in the MCF-7 human breast carcinoma cell line. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 1194-200                                                                      | 3.8  | 52 |
| 260 | Kinetics and mechanism of the hydrolysis of imidacloprid. <i>Pest Management Science</i> , <b>1999</b> , 55, 482-485                                                                                                                     |      | 52 |
| 259 | Multiphase Porous Electrochemical Catalysts Derived from Iron-Based Metal-Organic Framework Compounds. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 6474-6482                                                       | 10.3 | 51 |
| 258 | Molecular interactions of benzophenone UV filters with human serum albumin revealed by spectroscopic techniques and molecular modeling. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 2, 618-26                           | 12.8 | 51 |



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| 257 | Fe-N-Graphene Wrapped AlO/Pentlandite from Microalgae: High Fenton Catalytic Efficiency from Enhanced Fe Reduction. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 3608-3614                           | 10.3 | 50 |
| 256 | Stereoisomeric separation and toxicity of a new organophosphorus insecticide chloramidophos. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 400-5                                                             | 4    | 50 |
| 255 | Enantioselective phytotoxicity of the herbicide imazethapyr on the response of the antioxidant system and starch metabolism in Arabidopsis thaliana. <i>PLoS ONE</i> , <b>2011</b> , 6, e19451                            | 3.7  | 49 |
| 254 | Degradation and detoxification of acetochlor in soils treated by organic and thiosulfate amendments. <i>Chemosphere</i> , <b>2007</b> , 66, 286-92                                                                        | 8.4  | 48 |
| 253 | Environmental exposure to polycyclic aromatic hydrocarbons (PAHs): The correlation with and impact on reproductive hormones in umbilical cord serum. <i>Environmental Pollution</i> , <b>2017</b> , 220, 1429-1437        | 9.3  | 47 |
| 252 | Degradation and adsorption of fosthiazate in soil. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 6239-42                                                                                          | 5.7  | 47 |
| 251 | A pH-responsive and magnetically separable dynamic system for efficient removal of highly dilute antibiotics in water. <i>Water Research</i> , <b>2016</b> , 90, 24-33                                                    | 12.5 | 46 |
| 250 | Atomic insights into distinct hormonal activities of Bisphenol A analogues toward PPAR $\alpha$ and ER $\alpha$ receptors. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 1769-79                             | 4    | 46 |
| 249 | Functional identification of two novel genes from Pseudomonas sp. strain HZN6 involved in the catabolism of nicotine. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 2154-60                           | 4.8  | 46 |
| 248 | Exposure to organochlorine pollutants and type 2 diabetes: a systematic review and meta-analysis. <i>PLoS ONE</i> , <b>2014</b> , 9, e85556                                                                               | 3.7  | 45 |
| 247 | Origin of air pollution during a weekly heavy haze episode in Hangzhou, China. <i>Environmental Chemistry Letters</i> , <b>2014</b> , 12, 543-550                                                                         | 13.3 | 45 |
| 246 | A comparative study of rac- and S-metolachlor toxicity to Daphnia magna. <i>Ecotoxicology and Environmental Safety</i> , <b>2006</b> , 63, 451-5                                                                          | 7    | 45 |
| 245 | Enantioselective damage of diclofop acid mediated by oxidative stress and acetyl-CoA carboxylase in nontarget plant Arabidopsis thaliana. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8405-12       | 10.3 | 43 |
| 244 | H <sub>2</sub> O <sub>2</sub> -induced surface modification: A facile, effective and environmentally friendly pretreatment of chitosan for dyes removal. <i>Chemical Engineering Journal</i> , <b>2011</b> , 166, 474-482 | 14.7 | 43 |
| 243 | Enantioselective phytotoxicity of the herbicide imazethapyr and its effect on rice physiology and gene transcription. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 7036-43                           | 10.3 | 43 |
| 242 | Assessing the underlying breast cancer risk of Chinese females contributed by dietary intake of residual DDT from agricultural soils. <i>Environment International</i> , <b>2014</b> , 73, 208-15                         | 12.9 | 42 |
| 241 | Enantioselective toxicities of chiral ionic liquids 1-alkyl-3-methylimidazolium lactate to aquatic algae. <i>Aquatic Toxicology</i> , <b>2014</b> , 154, 114-20                                                           | 5.1  | 42 |
| 240 | Enantioselective physiological effects of the herbicide diclofop on cyanobacterium Microcystis aeruginosa. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 3893-901                                     | 10.3 | 42 |

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| 239 | Determination of enantiomers of synthetic pyrethroids in water by solid phase microextraction - enantioselective gas chromatography. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 736-41                                       | 5.7  | 42 |
| 238 | Occurrence of nitro- and oxy-PAHs in agricultural soils in eastern China and excess lifetime cancer risks from human exposure through soil ingestion. <i>Environment International</i> , <b>2017</b> , 108, 261-270                                     | 12.9 | 41 |
| 237 | Unexpected rise of ozone in urban and rural areas, and sulfur dioxide in rural areas during the coronavirus city lockdown in Hangzhou, China: implications for air quality. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 1-11             | 13.3 | 40 |
| 236 | Isolation, transposon mutagenesis, and characterization of the novel nicotine-degrading strain <i>Shinella</i> sp. HZN7. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 2625-36                                                      | 5.7  | 40 |
| 235 | Analyzing <i>Arabidopsis thaliana</i> root proteome provides insights into the molecular bases of enantioselective imazethapyr toxicity. <i>Scientific Reports</i> , <b>2015</b> , 5, 11975                                                             | 4.9  | 40 |
| 234 | Enantioselectivity in zebrafish embryo toxicity of the insecticide acetofenate. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 1050-5                                                                                                       | 4    | 40 |
| 233 | Stereoisomeric separation and toxicity of the nematicide fosthiazate. <i>Environmental Toxicology and Chemistry</i> , <b>2007</b> , 26, 2339-44                                                                                                         | 3.8  | 40 |
| 232 | Enantioselectivity in the phytotoxicity of herbicide imazethapyr. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 1624-31                                                                                                         | 5.7  | 39 |
| 231 | Separation and aquatic toxicity of enantiomers of the organophosphorus insecticide trichloronate. <i>Chirality</i> , <b>2006</b> , 18, 713-6                                                                                                            | 2.1  | 39 |
| 230 | Association of pyrethroids exposure with onset of puberty in Chinese girls. <i>Environmental Pollution</i> , <b>2017</b> , 227, 606-612                                                                                                                 | 9.3  | 38 |
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| 227 | Concentrations of DDTs and enantiomeric fractions of chiral DDTs in agricultural soils from Zhejiang Province, China, and correlations with total organic carbon and pH. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 8294-301 | 5.7  | 38 |
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| 225 | Hepatic and extrahepatic expression of estrogen-responsive genes in male adult zebrafish ( <i>Danio rerio</i> ) as biomarkers of short-term exposure to 17beta-estradiol. <i>Environmental Monitoring and Assessment</i> , <b>2008</b> , 146, 105-11    | 3.1  | 37 |
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| 223 | Relationships of Pyrethroid Exposure with Gonadotropin Levels and Pubertal Development in Chinese Boys. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6379-6386                                                                     | 10.3 | 36 |
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| 219 | Pyrethroid Pesticide Exposure and Risk of Primary Ovarian Insufficiency in Chinese Women. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 3240-3248                                                                    | 10.3 | 35 |
| 218 | Enantioselective endocrine-disrupting effects of bifenthrin on hormone synthesis in rat ovarian cells. <i>Toxicology</i> , <b>2011</b> , 290, 42-9                                                                                       | 4.4  | 35 |
| 217 | Enantiomer-specific, bifenthrin-induced apoptosis mediated by MAPK signalling pathway in Hep G2 cells. <i>Toxicology</i> , <b>2009</b> , 261, 119-25                                                                                     | 4.4  | 35 |
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| 211 | Enantiomeric separation of imidazolinone herbicides using chiral high-performance liquid chromatography. <i>Chirality</i> , <b>2007</b> , 19, 171-8                                                                                      | 2.1  | 34 |
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| 190 | Inhibited Nitric Oxide Production of Human Endothelial Nitric Oxide Synthase by Nitrated and Oxygenated Polycyclic Aromatic Hydrocarbons. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 2922-2930              | 10.3 | 28 |
| 189 | A heavy haze episode in Beijing in February of 2014: Characteristics, origins and implications. <i>Atmospheric Pollution Research</i> , <b>2015</b> , 6, 867-876                                                                   | 4.5  | 28 |
| 188 | Photoperiod and temperature influence endocrine disruptive chemical-mediated effects in male adult zebrafish. <i>Aquatic Toxicology</i> , <b>2009</b> , 92, 38-43                                                                  | 5.1  | 28 |
| 187 | Preparation, stabilization, and bioefficacy of beta-cyclodextrin inclusion compounds of chloramidophos. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 2708-13                                              | 5.7  | 28 |
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| 118 | Stereoselective accumulations of hexachlorocyclohexanes (HCHs) are correlated with <i>Sphingomonas</i> spp. in agricultural soils across China. <i>Environmental Pollution</i> , <b>2018</b> , 240, 27-33                                                                                            | 9.3  | 16 |
| 117 | Probing the chiral separation mechanism and the absolute configuration of malathion, malaoxon and isomalathion enantiomers by chiral high performance liquid chromatography coupled with chiral detector-binding energy computations. <i>Journal of Chromatography A</i> , <b>2013</b> , 1281, 26-31 | 4.5  | 16 |
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| 114 | Computational Biotransformation Profile of Emerging Phenolic Pollutants by Cytochromes P450: Phenol-Coupling Mechanism. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 2902-2912                                                                                                  | 10.3 | 15 |



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| 112 | Residues, sources and tissue distributions of organochlorine pesticides in dog sharks ( <i>Mustelus griseus</i> ) from Zhoushan Fishing Ground, China. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 73, 374-80                    | 6.7  | 15 |
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| 107 | Enantiomeric environmental behavior, oxidative stress and toxin release of harmful cyanobacteria <i>Microcystis aeruginosa</i> in response to napropamide and acetochlor. <i>Environmental Pollution</i> , <b>2019</b> , 246, 728-733 | 9.3  | 15 |
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| 103 | Spatial distributions and enantiomeric signatures of DDT and its metabolites in tree bark from agricultural regions across China. <i>Environmental Pollution</i> , <b>2017</b> , 229, 111-118                                         | 9.3  | 13 |
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| 100 | Determination of diclofop-methyl and diclofop residues in soil and crops by gas chromatography. <i>Journal of Chromatography A</i> , <b>1991</b> , 547, 509-15                                                                        | 4.5  | 13 |
| 99  | Prenatal and postnatal exposure risk assessment of chlorinated paraffins in mothers and neonates: Occurrence, congener profile, and transfer behavior. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 395, 122660              | 12.8 | 13 |
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| 91 | A new approach to estimate bioavailability of pyrethroids in soil by compound-specific stable isotope analysis. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 349, 1-9                                                                                                      | 12.8 | 10 |
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