Xiangwei Wu

List of Publications by Year
in descending order

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49 papers	1,200 citations	471509 17 h-index	395702 33 g-index
50 all docs	50 docs citations	50 times ranked	1272 citing authors

#	Article	IF	Citations
1	The occurrence and distribution of antibiotics in Lake Chaohu, China: Seasonal variation, potential source and risk assessment. Chemosphere, 2015, 122, 154-161.	8.2	212
2	Rapid biodegradation of organophosphorus pesticides by Stenotrophomonas sp. G1. Journal of Hazardous Materials, 2015, 297, 17-24.	12.4	171
3	Performance and mechanism of simultaneous nitrificationâ€“denitrification and denitrifying phosphorus removal in long-term moving bed biofilm reactor (MBBR). Bioresource Technology, 2022, 348, 126726.	9.6	68
4	Enhanced degradation of prometryn and other s-triazine herbicides in pure cultures and wastewater by polyvinyl alcohol-sodium alginate immobilized Leucobacter sp. JW-1. Science of the Total Environment, 2018, 615, 78-86.	8.0	67
5	Hydrazine exposure: A near-infrared ICT-based fluorescent probe and its application in bioimaging and sewage analysis. Science of the Total Environment, 2021, 759, 143102.	8.0	48
6	Degradation Dynamics and Dietary Risk Assessments of Two Neonicotinoid Insecticides during Lonicera japonica Planting, Drying, and Tea Brewing Processes. Journal of Agricultural and Food Chemistry, 2017, 65, 1483-1488.	5.2	45
7	Kinetics and Catabolic Pathways of the Insecticide Chlorpyrifos, Annotation of the Degradation Genes, and Characterization of Enzymes TcpA and Fre in Cupriavidus nantongensis X1^T. Journal of Agricultural and Food Chemistry, 2019, 67, 2245-2254.	5.2	45
8	Rapid Biodegradation of the Herbicide 2,4-Dichlorophenoxyacetic Acid by Cupriavidus gilardii T-1. Journal of Agricultural and Food Chemistry, 2017, 65, 3711-3720.	5.2	43
9	A novel near-infrared fluorimetric method for point-of-care monitoring of Fe2+ and its application in bioimaging. Journal of Hazardous Materials, 2021, 406, 124767.	12.4	41
10	Bead-immobilized Pseudomonas stutzeri Y2 prolongs functions to degrade s-triazine herbicides in industrial wastewater and maize fields. Science of the Total Environment, 2020, 731, 139183.	8.0	36
11	Bioconcentration, metabolism and the effects of tetracycline on multiple biomarkers in Chironomus riparius larvae. Science of the Total Environment, 2019, 649, 1590-1598.	8.0	32
12	Synthesis and fungicidal activities of sanguinarine derivatives. Pesticide Biochemistry and Physiology, 2018, 147, 3-10.	3.6	26
13	Design, Synthesis, and Antifungal Activities of 3-Acyl Thiotetronic Acid Derivatives: New Fatty Acid Synthase Inhibitors. Journal of Agricultural and Food Chemistry, 2018, 66, 1023-1032.	5.2	22
14	Interactive effects of diclofenac and copper on bioconcentration and multiple biomarkers in crucian carp (Carassius auratus). Chemosphere, 2020, 242, 125141.	8.2	21
15	Enantioselective Uptake Determines Degradation Selectivity of Chiral Profenofos in Cupriavidus nantongensis X1^T. Journal of Agricultural and Food Chemistry, 2020, 68, 6493-6501.	5.2	21
16	Novel hydrolytic de-methylthiolation of the s-triazine herbicide prometryn by Leucobacter sp. JW-1. Science of the Total Environment, 2017, 579, 115-123.	8.0	20
17	A novel and effective benzo[d]thiazole-based fluorescent probe with dual recognition factors for highly sensitive and selective imaging of cysteine in vitro and in vivo. New Journal of Chemistry, 2019, 43, 13463-13470.	2.8	18
18	Minute-Speed Biodegradation of Organophosphorus Insecticides by Cupriavidus nantongensis X1^T. Journal of Agricultural and Food Chemistry, 2019, 67, 13558-13567.	5.2	18

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19	Bioconcentration and ecotoxicity of sulfadiazine in the aquatic midge Chironomus riparius. Environmental Toxicology and Pharmacology, 2019, 66, 69-74.	4.0	16
20	Uptake, translocation and metabolism of imidacloprid loaded within fluorescent mesoporous silica nanoparticles in tomato (Solanum lycopersicum). Ecotoxicology and Environmental Safety, 2022, 232, 113243.	6.0	16
21	Toxification metabolism and treatment strategy of the chiral triazole fungicide prothioconazole in water. Journal of Hazardous Materials, 2022, 432, 128650.	12.4	16
22	A polyurethane-based thin film for solid phase microextraction of pyrethroid insecticides. Mikrochimica Acta, 2019, 186, 596.	5.0	15
23	Selfâ€acidity induced effervescence and manual shakingâ€assisted microextraction of neonicotinoid insecticides in orange juice. Journal of Separation Science, 2019, 42, 2993-3001.	2.5	13
24	Enhanced biodegradation of organophosphorus insecticides in industrial wastewater via immobilized Cupriavidus nantongensis X1T. Science of the Total Environment, 2021, 755, 142505.	8.0	13
25	Simultaneous determination of neonicotinoid insecticides and metabolites in rice by dispersive solidâ€“liquid microextraction based on an in situ acidâ€“base effervescent reaction and solidification of a floating organic droplet. Analytical and Bioanalytical Chemistry, 2019, 411, 315-327.	3.7	12
26	Ortho and para oxydehalogenation of dihalophenols catalyzed by the monooxygenase TcpA and NAD(P)H:FAD reductase Fre. Journal of Hazardous Materials, 2020, 388, 121787.	12.4	12
27	Residue Dynamics and Risk Assessment of Prochloraz and Its Metabolite 2,4,6-Trichlorophenol in Apple. Molecules, 2017, 22, 1780.	3.8	11
28	Characterization of Nicotine Catabolism through a Novel Pyrrolidine Pathway in Pseudomonas sp. S-1. Journal of Agricultural and Food Chemistry, 2018, 66, 7393-7401.	5.2	11
29	Degradation of amisulbrom and its metabolite IT-4 in cucumber under field conditions and processing. International Journal of Environmental Analytical Chemistry, 2018, 98, 67-81.	3.3	9
30	Combined effects of environmentally relevant concentrations of diclofenac and cadmium on Chironomus riparius larvae. Ecotoxicology and Environmental Safety, 2020, 202, 110906.	6.0	9
31	Bioavailability and toxicity of imazethapyr in maize plant estimated by four chemical extraction techniques in different soils. Science of the Total Environment, 2021, 801, 149594.	8.0	9
32	Using silicone rubber and polyvinylchloride as equilibrium passive samplers for rapid and sensitive monitoring of pyrethroid insecticides in aquatic environments. Science of the Total Environment, 2020, 728, 138797.	8.0	8
33	Flavonoidâ€sensitized photolysis of chlorothalonil in water. Pest Management Science, 2020, 76, 2972-2977.	3.4	8
34	Enantioselective metabolism of phenylpyrazole insecticides by rat liver microsomal CYP3A1, CYP2E1 and CYP2D2. Pesticide Biochemistry and Physiology, 2021, 176, 104861.	3.6	8
35	Selective, stepwise photodegradation of chlorothalonil, dichlobenil and dichloro- and trichloro-isophthalonitriles enhanced by cyanidin in water. Science of the Total Environment, 2022, 805, 150157.	8.0	7
36	Simultaneous Determination of Dimethenamid, Saflufenacil and their Metabolites in Maize Using a Modified QuEChERS Method and Liquid Chromatography-Tandem Mass Spectrometry. Food Analytical Methods, 2018, 11, 3396-3405.	2.6	6

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37	Purification, characterization, and catalytic mechanism of N-Isopropylammelide isopropylaminohydrolase (AtzC) involved in the degradation of s-triazine herbicides. Environmental Pollution, 2021, 268, 115803.	7.5	6
38	Palladium Catalyzed Direct Carbonylative Thiomethylation of Aryldiazonium Salts and Amines with 4-(Methylthio)-2-Butanone as (Methylthio) Transfer Agent. Journal of Organic Chemistry, 2021, 86, 8797-8804.	3.2	6
39	The efficient persistence and migration of Cupriavidus gilardii T1 contribute to the removal of MCPA in laboratory and field soils. Environmental Pollution, 2022, 304, 119220.	7.5	6
40	Ultraâ€sensitive Detecting OPsâ€Isocarbophos Using Photoinduced Regeneration of Aptamerâ€based Electrochemical Sensors. Electroanalysis, 2022, 34, 995-1000.	2.9	5
41	Dissipation and Residue of Acephate and Its Metabolite Metamidophos in Peach and Pear Under Field Conditions. International Journal of Environmental Research, 2017, 11, 133-139.	2.3	4
42	Influence of plant growth regulating substances on transport and degradation of acephate and its metabolite methamidophos in tomato. International Journal of Environmental Analytical Chemistry, 2017, 97, 345-354.	3.3	4
43	Î²-Cyclodextrin Polymer-Based Hostâ€“Guest Interaction and Fluorescence Enhancement of Pyrene for Sensitive Isocarbophos Detection. ACS Omega, 2022, 7, 12747-12752.	3.5	4
44	Combination of polyurethane and polymethyl methacrylate thin films as a microextraction sorbent for rapid adsorption and sensitive determination of neonicotinoid insecticides in fruit juice and tea by ultra high performance liquid chromatography with tandem mass spectrometry. Journal of Chromatography A, 2021, 1659, 462646.	3.7	3
45	Photodegradation Rate and Products of Acetochlor in Aqueous Solution. , 2008, , .		2
46	In-Tube Ultrasound Assisted Dispersive Solidâ€“Liquid Microextraction Based on Self-Assembly and Solidification of an Alkanol-Based Floating Organic Droplet for Determination of Pyrethroid Insecticides in Chrysanthemum. Chromatographia, 2019, 82, 695-704.	1.3	2
47	Estimating the bioavailability of acetochlor to wheat using in situ pore water and passive sampling. Science of the Total Environment, 2022, 833, 155239.	8.0	2
48	Quantitative Ultra-Performance Liquid Chromatography Tandem Mass Spectrometry Method for Comparison of Prochloraz Residue on Garlic Sprouts after Soaking and Spraying Treatment. International Journal of Environmental Research and Public Health, 2018, 15, 1552.	2.6	1
49	Dissipation Dynamics and Dietary Risk Assessment of Four Fungicides as Preservatives in Pear. Agriculture (Switzerland), 2022, 12, 630.	3.1	1