

Pengyue Zhao

List of Publications by Year in descending order

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28
papers

1,334
citations

393982

19
h-index

500791

28
g-index

28
all docs

28
docs citations

28
times ranked

1200
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-walled carbon nanotubes as alternative reversed-dispersive solid phase extraction materials in pesticide multi-residue analysis with QuEChERS method. <i>Journal of Chromatography A</i> , 2012, 1225, 17-25.	1.8	181
2	Emulsion-based synchronous pesticide encapsulation and surface modification of mesoporous silica nanoparticles with carboxymethyl chitosan for controlled azoxystrobin release. <i>Chemical Engineering Journal</i> , 2018, 348, 244-254.	6.6	146
3	Translocation, distribution and degradation of prochloraz-loaded mesoporous silica nanoparticles in cucumber plants. <i>Nanoscale</i> , 2018, 10, 1798-1806.	2.8	103
4	Dispersive Cleanup of Acetonitrile Extracts of Tea Samples by Mixed Multiwalled Carbon Nanotubes, Primary Secondary Amine, and Graphitized Carbon Black Sorbents. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4026-4033.	2.4	79
5	The comparison of dispersive solid phase extraction and multi-plug filtration cleanup method based on multi-walled carbon nanotubes for pesticides multi-residue analysis by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1385, 1-11.	1.8	75
6	Determination of pesticide residues in complex matrices using multi-walled carbon nanotubes as reversed-dispersive solid-phase extraction sorbent. <i>Journal of Separation Science</i> , 2012, 35, 153-158.	1.3	72
7	Rapid Multiplug Filtration Cleanup with Multiple-Walled Carbon Nanotubes and Gas Chromatography-Triple-Quadruple Mass Spectrometry Detection for 186 Pesticide Residues in Tomato and Tomato Products. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3710-3725.	2.4	68
8	Iron-based porous metal-organic frameworks with crop nutritional function as carriers for controlled fungicide release. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 383-393.	5.0	66
9	Enhancement of Spirotetramat Transfer in Cucumber Plant Using Mesoporous Silica Nanoparticles as Carriers. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11592-11600.	2.4	55
10	Excellent sustained-release efficacy of herbicide quinclorac with cationic covalent organic frameworks. <i>Chemical Engineering Journal</i> , 2021, 405, 126979.	6.6	50
11	Residue determination of glufosinate in plant origin foods using modified Quick Polar Pesticides (QuPpe) method and liquid chromatography coupled with tandem mass spectrometry. <i>Food Chemistry</i> , 2016, 197, 730-736.	4.2	47
12	Multiplug filtration cleanup with multiwalled carbon nanotubes in the analysis of pesticide residues using LC-ESI-MS/MS. <i>Journal of Separation Science</i> , 2013, 36, 3379-3386.	1.3	43
13	Biodegradable poly(3-hydroxybutyrate-co-4-hydroxybutyrate) microcapsules for controlled release of trifluralin with improved photostability and herbicidal activity. <i>Materials Science and Engineering C</i> , 2019, 102, 134-141.	3.8	42
14	Synthesis and Characterization of Stimuli-Responsive Poly(2-dimethylamino-ethylmethacrylate)-Grafted Chitosan Microcapsule for Controlled Pyraclostrobin Release. <i>International Journal of Molecular Sciences</i> , 2018, 19, 854.	1.8	41
15	Sulfonate-Functionalized Mesoporous Silica Nanoparticles as Carriers for Controlled Herbicide Diquat Dibromide Release through Electrostatic Interaction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1330.	1.8	36
16	Synthesis of Pyrimethanil-Loaded Mesoporous Silica Nanoparticles and Its Distribution and Dissipation in Cucumber Plants. <i>Molecules</i> , 2017, 22, 817.	1.7	35
17	Indoxacarb-loaded fluorescent mesoporous silica nanoparticles for effective control of <i>Plutella xylostella</i> L. with decreased detoxification enzymes activities. <i>Pest Management Science</i> , 2020, 76, 3749-3758.	1.7	29
18	Size Effect of Mesoporous Silica Nanoparticles on Pesticide Loading, Release, and Delivery in Cucumber Plants. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 575.	1.3	27

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19	Fungicide-loaded mesoporous silica nanoparticles promote rice seedling growth by regulating amino acid metabolic pathways. <i>Journal of Hazardous Materials</i> , 2022, 425, 127892.	6.5	22
20	Residue Dynamics of Clopyralid and Picloram in Rape Plant Rapeseed and Field Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 78-82.	1.3	21
21	Enhanced Fungicidal Efficacy by Co-Delivery of Azoxystrobin and Diniconazole with Cauliflower-Like Metal-Organic Frameworks NH ₂ -Al-MIL-101. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10412.	1.8	17
22	Development of an analytical method for pesticide residues in berries with dispersive solid phase extraction using multiwalled carbon nanotubes and primary secondary amine sorbents. <i>Analytical Methods</i> , 2018, 10, 757-766.	1.3	16
23	Simultaneous enantioselective determination of phenylpyrazole insecticide flupiprole and its chiral metabolite in paddy field ecosystem by ultra-high performance liquid chromatography/tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 261-270.	1.4	14
24	Effective and Sustained Control of Soil-Borne Plant Diseases by Biodegradable Polyhydroxybutyrate Mulch Films Embedded with Fungicide of Prothioconazole. <i>Molecules</i> , 2021, 26, 762.	1.7	13
25	Diafenthiuron residue and decline in pakchoi and soil under field application. <i>Ecotoxicology and Environmental Safety</i> , 2012, 79, 75-79.	2.9	10
26	Natural green-peel orange essential oil enhanced the deposition, absorption and permeation of prochloraz in cucumber. <i>RSC Advances</i> , 2019, 9, 20395-20401.	1.7	10
27	The Use of Folate/Zinc Supramolecular Hydrogels to Increase Droplet Deposition on <i>Chenopodium album</i> L. Leaves. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12911-12919.	3.2	10
28	Analysis of triallate residue and degradation rate in wheat and soil by liquid chromatography coupled to tandem mass spectroscopy detection with multi-walled carbon nanotubes. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 1413-1423.	1.8	6