

Pengyue Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

858
citations

17
h-index

28
g-index

28
ext. papers

1,087
ext. citations

6.1
avg, IF

4.3
L-index

#	Paper	IF	Citations
27	Fungicide-loaded mesoporous silica nanoparticles promote rice seedling growth by regulating amino acid metabolic pathways. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127892	12.8	0
26	Excellent sustained-release efficacy of herbicide quinclorac with cationic covalent organic frameworks. <i>Chemical Engineering Journal</i> , 2021 , 405, 126979	14.7	19
25	Size Effect of Mesoporous Silica Nanoparticles on Pesticide Loading, Release, and Delivery in Cucumber Plants. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 575	2.6	4
24	Enhanced Fungicidal Efficacy by Co-Delivery of Azoxystrobin and Diniconazole with Cauliflower-Like Metal-Organic Frameworks NH-Al-MIL-101. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
23	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	4.6	11
22	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	9.3	25
21	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	8.3	3
20	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	8.3	24
19	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,	6.3	21
18	Natural green-peel orange essential oil enhanced the deposition, absorption and permeation of prochloraz in cucumber.. <i>RSC Advances</i> , 2019 , 9, 20395-20401	3.7	3
17	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	3.2	12
16	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,	6.3	25
15	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	14.7	83
14	Translocation, distribution and degradation of prochloraz-loaded mesoporous silica nanoparticles in cucumber plants. <i>Nanoscale</i> , 2018 , 10, 1798-1806	7.7	60
13	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	5.7	25
12	Synthesis of Pyrimethanil-Loaded Mesoporous Silica Nanoparticles and Its Distribution and Dissipation in Cucumber Plants. <i>Molecules</i> , 2017 , 22,	4.8	24
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, 730-6	8.5	39

10	Simultaneous enantioselective determination of phenylpyrazole insecticide flufiprole 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	3.5	11
9	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	4
8	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	4.5	64
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, 3710-25	5.7	51
6	Multiplug filtration clean-up with multiwalled carbon nanotubes in the analysis of pesticide residues using LC-ESI-MS/MS. <i>Journal of Separation Science</i> , 2013 , 36, 3379-86	3.4	38
5	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, 153-8	3.4	63
4	Diafenthiuron residue and decline in pakchoi and soil under field application. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 79, 75-79	7	6
3	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, 4026-33	5.7	70
2	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	4.5	153
1	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	2.7	18