

Zhen Cao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

252
citations

1040056

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docs citations

22
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326
citing authors

#	ARTICLE	IF	CITATIONS
1	An Overview on the Mechanisms and Applications of Enzyme Inhibition-Based Methods for Determination of Organophosphate and Carbamate Pesticides. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7298-7315.	5.2	102
2	Preparation of molecularly imprinted polymers coupled with high-performance liquid chromatography for the selective extraction of salidroside from <i>Rhodiola crenulata</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1118-1119, 180-186.	2.3	18
3	Development of two highly sensitive immunoassays for detection of copper ions and a suite of relevant immunochemicals. <i>Analytica Chimica Acta</i> , 2011, 702, 102-108.	5.4	16
4	Development of a Sensitive Monoclonal Antibody-Based Enzyme-Linked Immunosorbent Assay for the Analysis of Paclitaxel Residue in Wheat Kernel. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1826-1831.	5.2	16
5	Enhancing the Sensitivity of the Bio-barcode Immunoassay for Triazophos Detection Based on Nanoparticles and Droplet Digital Polymerase Chain Reaction. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12936-12944.	5.2	16
6	Development of a Specific Monoclonal Antibody-Based ELISA to Measure the Artemether Content of Antimalarial Drugs. <i>PLoS ONE</i> , 2013, 8, e79154.	2.5	13
7	Acetylcholinesterase Immobilized on Magnetic Mesoporous Silica Nanoparticles Coupled with Fluorescence Analysis for Rapid Detection of Carbamate Pesticides. <i>ACS Applied Nano Materials</i> , 2022, 5, 1327-1338.	5.0	12
8	Magnetic solid-phase extraction using a mixture of two types of nanoparticles followed by gas chromatography-mass spectrometry for the determination of six phthalic acid esters in various water samples. <i>RSC Advances</i> , 2018, 8, 39641-39649.	3.6	11
9	Characterization and application of monoclonal antibodies specific to West Nile virus envelope protein. <i>Journal of Virological Methods</i> , 2008, 154, 20-26.	2.1	10
10	A competitive immunoassay for detecting triazophos based on fluorescent catalytic hairpin self-assembly. <i>Mikrochimica Acta</i> , 2022, 189, 114.	5.0	9
11	Development of Monoclonal Antibodies Recognizing Linear Epitope: Illustration by Three <i>Bacillus thuringiensis</i> Crystal Proteins of Genetically Modified Cotton, Maize, and Tobacco. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10115-10122.	5.2	6
12	A disposable electrochemical sensor based on electrospinning of molecularly imprinted nanohybrid films for highly sensitive determination of the organotin acaricide cyhexatin. <i>Mikrochimica Acta</i> , 2019, 186, 504.	5.0	5
13	A Monoclonal Antibody-Based Enzyme-Linked Immunosorbent Assay for 5-Formyltetrahydrofolate Detection in Maize Kernels. <i>Food Analytical Methods</i> , 2016, 9, 3155-3162.	2.6	4
14	Recognition elements based on the molecular biological techniques for detecting pesticides in food: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 4942-4965.	10.3	4
15	Functional and binding characterization of a single chain Fv antibody to abscisic acid and conjugated abscisic acid. <i>Food and Agricultural Immunology</i> , 2016, 27, 624-642.	1.4	2
16	Hapten Synthesis and Monoclonal Antibody-Based Immunoassay Development for the Analysis of Thidiazuron. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 357-365.	5.1	2
17	Absorption, translocation, and effects of Bt Cry1Ac peptides from transgenic cotton to the intercrops and soil functional bacteria. <i>Scientific Reports</i> , 2020, 10, 17294.	3.3	2
18	Enhanced Bio-Barcode Immunoassay Using Droplet Digital PCR for Multiplex Detection of Organophosphate Pesticides. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11131-11141.	5.2	2

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19	An optimized LC-MS/MS workflow for evaluating storage stability of fluroxypyr and halosulfuron-methyl in maize samples. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021, 56, 64-72.	1.5	1
20	Development and Validation for Simultaneous Determination of Disulfoton and Its Five Metabolites in Seven Agro-Products Using Liquid Chromatography-Tandem Mass Spectrometry Combined with QuEChERS Extraction Method. <i>Chromatographia</i> , 2022, 85, 529-537.	1.3	1
21	Monoclonal Antibody-Based Immunoassay for Analysis of Octopamine in Housefly. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2014, 33, 275-279.	1.6	0
22	Development of a Sandwich Enzyme-linked Immunosorbent Assay for Phosphinothricin Acetyl Transferase Protein of Genetically Modified Crops. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 41, 1555.	1.7	0