

Zhaowei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,110
citations

185998

28
h-index

233125

45
g-index

52
all docs

52
docs citations

52
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Electrochemical Sensors for Mycotoxin Detection in Food. <i>Electroanalysis</i> , 2023, 35, .	1.5	13
2	Advanced Point-of-Care Testing Technologies for Human Acute Respiratory Virus Detection. <i>Advanced Materials</i> , 2022, 34, e2103646.	11.1	92
3	Nanozyme-strip based on MnO ₂ nanosheets as a catalytic label for multi-scale detection of aflatoxin B ₁ with an ultrabroad working range. <i>Food Chemistry</i> , 2022, 377, 131965.	4.2	23
4	Carnation-like Morphology of BiVO ₄ -7 Enables Sensitive Photoelectrochemical Determination of Cr(VI) in the Food and Environment. <i>Biosensors</i> , 2022, 12, 130.	2.3	10
5	Intelligent point-of-care test via smartphone-enabled microarray for multiple targets: Mycotoxins in food. <i>Sensors and Actuators B: Chemical</i> , 2022, 360, 131648.	4.0	9
6	AI-gens enabled ultrasensitive point-of-care test for multiple targets of food safety: Aflatoxin B ₁ and cyclopiazonic acid as an example. <i>Biosensors and Bioelectronics</i> , 2021, 182, 113188.	5.3	109
7	Simultaneous Determination of Ergot Alkaloids in Swine and Dairy Feeds Using Ultra High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Toxins</i> , 2021, 13, 724.	1.5	9
8	Determination of Multiple Mycotoxins and Their Natural Occurrence in Edible Vegetable Oils Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Foods</i> , 2021, 10, 2795.	1.9	13
9	Competitive-Type Pressure-Dependent Immunosensor for Highly Sensitive Detection of Diacetoxyscirpenol in Wheat via Monoclonal Antibody. <i>Analytical Chemistry</i> , 2020, 92, 3563-3571.	3.2	95
10	Determination of selenium in food and environmental samples using a gold nanocages/fluorinated graphene nanocomposite modified electrode. <i>Journal of Food Composition and Analysis</i> , 2020, 94, 103628.	1.9	8
11	Simultaneous determination for <i>A. flavus</i> metabolizing mycotoxins by time-resolved fluorescent microbead or gold-enabling test strip in agricultural products based on monoclonal antibodies. <i>Mikrochimica Acta</i> , 2020, 187, 653.	2.5	8
12	A Sensitive, Point-of-Care Detection of Small Molecules Based on a Portable Barometer: Aflatoxins In Agricultural Products. <i>Toxins</i> , 2020, 12, 158.	1.5	8
13	Simultaneous determination of heavy metals by an electrochemical method based on a nanocomposite consisting of fluorinated graphene and gold nanocage. <i>Mikrochimica Acta</i> , 2020, 187, 414.	2.5	26
14	Occurrence of Multiple Mycotoxins in Various Types of Rice and Barley Samples in Thailand. <i>Journal of Food Protection</i> , 2019, 82, 1007-1015.	0.8	13
15	Rapid, on-site and quantitative paper-based immunoassay platform for concurrent determination of pesticide residues and mycotoxins. <i>Analytica Chimica Acta</i> , 2019, 1078, 142-150.	2.6	30
16	Sensitive, selective and simultaneous electrochemical detection of multiple heavy metals in environment and food using a lowcost Fe ₃ O ₄ nanoparticles/fluorinated multi-walled carbon nanotubes sensor. <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 243-250.	2.9	70
17	Photocatalytic degradation of deoxynivalenol over dendritic-like γ -Fe ₂ O ₃ under visible light irradiation. <i>Toxins</i> , 2019, 11, 105.	1.5	39
18	Simultaneous Lateral Flow Immunoassay for Multi-Class Chemical Contaminants in Maize and Peanut with One-Stop Sample Preparation. <i>Toxins</i> , 2019, 11, 56.	1.5	30

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19	Simultaneous voltammetric determination of cadmium(II), lead(II), mercury(II), zinc(II), and copper(II) using a glassy carbon electrode modified with magnetite (Fe ₃ O ₄) nanoparticles and fluorinated multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2019, 186, 97.	2.5	75
20	On-Site Ultrasensitive Detection Paper for Multiclass Chemical Contaminants via Universal Bridge-Antibody Labeling: Mycotoxin and Illegal Additives in Milk as an Example. <i>Analytical Chemistry</i> , 2019, 91, 1968-1973.	3.2	45
21	Rapid, On-Site, Ultrasensitive Melamine Quantitation Method for Protein Beverages Using Time-Resolved Fluorescence Detection Paper. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5671-5676.	2.4	18
22	Binding-Induced DNA Dissociation Assay for Small Molecules: Sensing Aflatoxin B1. <i>ACS Sensors</i> , 2018, 3, 2590-2596.	4.0	29
23	Rapid and sensitive double-label based immunochromatographic assay for zearalenone detection in cereals. <i>Electrophoresis</i> , 2018, 39, 2125-2130.	1.3	14
24	An On-Site Simultaneous Semi-Quantification of Aflatoxin B1, Zearalenone, and T-2 Toxin in Maize- and Cereal-Based Feed via Multicolor Immunochromatographic Assay. <i>Toxins</i> , 2018, 10, 87.	1.5	37
25	Time-Resolved Fluorescence Immunochromatographic Assay Developed Using Two Idiotypic Nanobodies for Rapid, Quantitative, and Simultaneous Detection of Aflatoxin and Zearalenone in Maize and Its Products. <i>Analytical Chemistry</i> , 2017, 89, 11520-11528.	3.2	120
26	An On-Site, Ultra-Sensitive, Quantitative Sensing Method for the Determination of Total Aflatoxin in Peanut and Rice Based on Quantum Dot Nanobeads Strip. <i>Toxins</i> , 2017, 9, 137.	1.5	12
27	Doses of Immunogen Contribute to Specificity Spectrums of Antibodies against Aflatoxin. <i>Toxins</i> , 2017, 9, 172.	1.5	8
28	An ultrasensitive gray-imaging-based quantitative immunochromatographic detection method for fumonisin B1 in agricultural products. <i>Food Control</i> , 2017, 80, 333-340.	2.8	20
29	Development of an Enzyme-Linked Immunosorbent Assay Method Specific for the Detection of G-Group Aflatoxins. <i>Toxins</i> , 2016, 8, 5.	1.5	14
30	Mycotoxin Determination in Foods Using Advanced Sensors Based on Antibodies or Aptamers. <i>Toxins</i> , 2016, 8, 239.	1.5	44
31	Time-Resolved Fluorescent Immunochromatography of Aflatoxin B1 in Soybean Sauce: A Rapid and Sensitive Quantitative Analysis. <i>Sensors</i> , 2016, 16, 1094.	2.1	38
32	3D nanoporous gold scaffold supported on graphene paper: Freestanding and flexible electrode with high loading of ultrafine PtCo alloy nanoparticles for electrochemical glucose sensing. <i>Analytica Chimica Acta</i> , 2016, 938, 63-71.	2.6	41
33	Development of a multiple immunoaffinity column for simultaneous determination of multiple mycotoxins in feeds using UPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6027-6036.	1.9	43
34	Determination for multiple mycotoxins in agricultural products using HPLC-MS/MS via a multiple antibody immunoaffinity column. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1021, 145-152.	1.2	80
35	Risk Assessment on Dietary Exposure to Aflatoxin B1 in Post-Harvest Peanuts in the Yangtze River Ecological Region. <i>Toxins</i> , 2015, 7, 4157-4174.	1.5	38
36	Monoclonal antibody-europium conjugate-based lateral flow time-resolved fluoroimmunoassay for quantitative determination of T-2 toxin in cereals and feed. <i>Analytical Methods</i> , 2015, 7, 2822-2829.	1.3	41

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37	Advanced detection methods for traceability of origin and authenticity of olive oils. <i>Analytical Methods</i> , 2015, 7, 5731-5739.	1.3	23
38	Europium Nanospheres-Based Time-Resolved Fluorescence for Rapid and Ultrasensitive Determination of Total Aflatoxin in Feed. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10313-10318.	2.4	44
39	Sample-pretreatment-free based high sensitive determination of aflatoxin M1 in raw milk using a time-resolved fluorescent competitive immunochromatographic assay. <i>RSC Advances</i> , 2015, 5, 558-564.	1.7	37
40	Rapid On-Site Sensing Aflatoxin B1 in Food and Feed via a Chromatographic Time-Resolved Fluoroimmunoassay. <i>PLoS ONE</i> , 2015, 10, e0123266.	1.1	25
41	Development and Application of an Immunoaffinity Column Enzyme Immunoassay for Mycotoxin Zearalenone in Complicated Samples. <i>PLoS ONE</i> , 2014, 9, e85606.	1.1	31
42	Monoclonal antibody-quantum dots CdTe conjugate-based fluoroimmunoassay for the determination of aflatoxin B1 in peanuts. <i>Food Chemistry</i> , 2014, 146, 314-319.	4.2	69
43	Nanobody-Based Enzyme Immunoassay for Aflatoxin in Agro-Products with High Tolerance to Cosolvent Methanol. <i>Analytical Chemistry</i> , 2014, 86, 8873-8880.	3.2	126
44	Biotoxin sensing in food and environment via microchip. <i>Electrophoresis</i> , 2014, 35, 1547-1559.	1.3	32
45	An Ultra-Sensitive Monoclonal Antibody-Based Competitive Enzyme Immunoassay for Sterigmatocystin in Cereal and Oil Products. <i>PLoS ONE</i> , 2014, 9, e106415.	1.1	13
46	Multi-component immunochromatographic assay for simultaneous detection of aflatoxin B1, ochratoxin A and zearalenone in agro-food. <i>Biosensors and Bioelectronics</i> , 2013, 49, 426-432.	5.3	161
47	Sensitive competitive immunoassay of multiple mycotoxins with non-fouling antigen microarray. <i>Biosensors and Bioelectronics</i> , 2013, 50, 338-344.	5.3	66
48	Advanced hyphenated chromatographic-mass spectrometry in mycotoxin determination: Current status and prospects. <i>Mass Spectrometry Reviews</i> , 2013, 32, 420-452.	2.8	90
49	Microarray Technology for Major Chemical Contaminants Analysis in Food: Current Status and Prospects. <i>Sensors</i> , 2012, 12, 9234-9252.	2.1	26
50	Current development of microfluidic immunosensing approaches for mycotoxin detection via capillary electromigration and lateral flow technology. <i>Electrophoresis</i> , 2012, 33, 2253-2265.	1.3	45