

Xing Shen

List of Publications by Year in descending order

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29
papers

670
citations

567281

15
h-index

580821

25
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29
all docs

29
docs citations

29
times ranked

501
citing authors

#	ARTICLE	IF	CITATIONS
1	A smartphone-based dual detection mode device integrated with two lateral flow immunoassays for multiplex mycotoxins in cereals. <i>Biosensors and Bioelectronics</i> , 2020, 158, 112178.	10.1	125
2	A smartphone-based quantitative detection device integrated with latex microsphere immunochromatography for on-site detection of zearalenone in cereals and feed. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 170-179.	7.8	63
3	Broad-Specificity Immunoassay for Simultaneous Detection of Ochratoxins A, B, and C in Millet and Maize. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4830-4838.	5.2	51
4	Alkaline lysis-recombinase polymerase amplification combined with CRISPR/Cas12a assay for the ultrafast visual identification of pork in meat products. <i>Food Chemistry</i> , 2022, 383, 132318.	8.2	34
5	Prussian blue immunochromatography with portable smartphone-based detection device for zearalenone in cereals. <i>Food Chemistry</i> , 2022, 369, 131008.	8.2	33
6	Rapid detection of adulteration of dehydroepiandrosterone in slimming products by competitive indirect enzyme-linked immunosorbent assay and lateral flow immunochromatography. <i>Food and Agricultural Immunology</i> , 2019, 30, 123-139.	1.4	30
7	Latex microsphere immunochromatography for quantitative detection of dexamethasone in milk and pork. <i>Food Chemistry</i> , 2021, 345, 128607.	8.2	30
8	A highly sensitive and quantitative time resolved fluorescent microspheres lateral flow immunoassay for streptomycin and dihydrostreptomycin in milk, honey, muscle, liver, and kidney. <i>Analytica Chimica Acta</i> , 2022, 1192, 339360.	5.4	28
9	Four Hapten Spacer Sites Modulating Class Specificity: Nondirectional Multianalyte Immunoassay for 31 β -Agonists and Analogues. <i>Analytical Chemistry</i> , 2018, 90, 2716-2724.	6.5	25
10	Multiplex optical bioassays for food safety analysis: Toward on-site detection. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 1627-1656.	11.7	25
11	Broad-specificity ELISA with a heterogeneous strategy for sensitive detection of microcystins and nodularin. <i>Toxicon</i> , 2020, 175, 44-48.	1.6	24
12	Investigation of an Immunoassay with Broad Specificity to Quinolone Drugs by Genetic Algorithm with Linear Assignment of Hypermolecular Alignment of Data Sets and Advanced Quantitative Structure-Activity Relationship Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2772-2779.	5.2	19
13	Four Specific Hapten Conformations Dominating Antibody Specificity: Quantitative Structure-Activity Relationship Analysis for Quinolone Immunoassay. <i>Analytical Chemistry</i> , 2017, 89, 6740-6748.	6.5	18
14	Fluorescence Polarization Immunoassay for Determination of Enrofloxacin in Pork Liver and Chicken. <i>Molecules</i> , 2019, 24, 4462.	3.8	18
15	An enhanced immunochromatography assay based on colloidal gold-decorated polydopamine for rapid and sensitive determination of gentamicin in animal-derived food. <i>Food Chemistry</i> , 2022, 387, 132916.	8.2	18
16	Magnet-actuated droplet microfluidic immunosensor coupled with gel imager for detection of microcystin-LR in aquatic products. <i>Talanta</i> , 2020, 219, 121329.	5.5	14
17	Open Surface Droplet Microfluidic Magnetosensor for Microcystin-LR Monitoring in Reservoir. <i>Analytical Chemistry</i> , 2020, 92, 3409-3416.	6.5	14
18	Broad-specific immunochromatography for simultaneous detection of various sulfonyleureas in adulterated multi-herbal tea. <i>Food Chemistry</i> , 2022, 370, 131055.	8.2	13

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19	Antibody Generation and Rapid Immunochromatography Using Time-Resolved Fluorescence Microspheres for Propiconazole: Fungicide Abused as Growth Regulator in Vegetable. <i>Foods</i> , 2022, 11, 324.	4.3	11
20	Preparation of a <i>Bombyx mori</i> acetylcholinesterase enzyme reagent through chaperone protein disulfide isomerase co-expression strategy in <i>Pichia pastoris</i> for detection of pesticides. <i>Enzyme and Microbial Technology</i> , 2021, 144, 109741.	3.2	10
21	Lateral Flow Immunochromatography Assay for Detection of Furosemide in Slimming Health Foods. <i>Foods</i> , 2021, 10, 2041.	4.3	10
22	Generation of recombinant antibodies by mammalian expression system for detecting S-metolachlor in environmental waters. <i>Journal of Hazardous Materials</i> , 2021, 418, 126305.	12.4	10
23	Ultrasensitive Magnetic Assisted Lateral Flow Immunoassay Based on Chiral Monoclonal Antibody against β -Salbutamol of Broad-Specificity for $^{38}\text{I}^2$ -Agonists Detection in Swine Urine and Pork. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4112-4122.	5.2	9
24	Immunochromatographic assays based on three kinds of nanoparticles for the rapid and highly sensitive detection of tylosin and tilmicosin in eggs. <i>Mikrochimica Acta</i> , 2022, 189, 42.	5.0	9
25	Polystyrene Microsphere-Based Immunochromatographic Assay for Detection of Aflatoxin B1 in Maize. <i>Biosensors</i> , 2021, 11, 200.	4.7	8
26	Single-emission dual-enzyme magnetosensor for multiplex immunofluorometric assay of adulterated colorants in chili seasoning. <i>Food Chemistry</i> , 2022, 366, 130594.	8.2	8
27	Egg Yolk Immunoglobulin Supplementation Prevents Rat Liver from Aflatoxin B ₁ -Induced Oxidative Damage and Genotoxicity. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 13260-13267.	5.2	7
28	Highly selective monoclonal antibody-based lateral flow immunoassay for visual and sensitive determination of conazole fungicides propiconazole in vegetables. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022, 39, 92-104.	2.3	5
29	Conformational adaptability determining antibody recognition to distomer: structure analysis of enantioselective antibody against chiral drug gatifloxacin. <i>RSC Advances</i> , 2021, 11, 39534-39544.	3.6	1