

Hong Wang

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71
papers

1,246
citations

22
h-index

33
g-index

81
ext. papers

1,618
ext. citations

5.7
avg, IF

4.31
L-index

#	Paper	IF	Citations
71	Immunochemical techniques for multianalyte analysis of chemical residues in food and the environment: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 88, 25-40	14.6	100
70	Broad-specificity immunoassay for O,O-diethyl organophosphorus pesticides: application of molecular modeling to improve assay sensitivity and study antibody recognition. <i>Analytical Chemistry</i> , 2010 , 82, 9314-21	7.8	80
69	A simple, rapid and high-throughput fluorescence polarization immunoassay for simultaneous detection of organophosphorus pesticides in vegetable and environmental water samples. <i>Analytica Chimica Acta</i> , 2011 , 708, 123-9	6.6	75
68	Application of computer-assisted molecular modeling for immunoassay of low molecular weight food contaminants: A review. <i>Analytica Chimica Acta</i> , 2009 , 647, 125-36	6.6	62
67	Development of a single-chain variable fragment-alkaline phosphatase fusion protein and a sensitive direct competitive chemiluminescent enzyme immunoassay for detection of ractopamine in pork. <i>Analytica Chimica Acta</i> , 2012 , 736, 85-91	6.6	52
66	Phage-displayed peptide that mimics aflatoxins and its application in immunoassay. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 2426-33	5.7	51
65	Production and characterization of a broad-specificity polyclonal antibody for O,O-diethyl organophosphorus pesticides and a quantitative structure-activity relationship study of antibody recognition. <i>Analytica Chimica Acta</i> , 2009 , 647, 90-6	6.6	51
64	Simultaneous determination of malachite green, brilliant green and crystal violet in grass carp tissues by a broad-specificity indirect competitive enzyme-linked immunosorbent assay. <i>Analytica Chimica Acta</i> , 2011 , 707, 148-54	6.6	48
63	Synthesis of novel haptens and development of an enzyme-linked immunosorbent assay for quantification of histamine in foods. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 12299-308	5.7	44
62	Enhanced sensitive immunoassay: noncompetitive phage anti-immune complex assay for the determination of malachite green and leucomalachite green. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 8752-8	5.7	39
61	Production and characterization of a single-chain variable fragment linked alkaline phosphatase fusion protein for detection of O,O-diethyl organophosphorus pesticides in a one-step enzyme-linked immunosorbent assay. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 5076-83	5.7	39
60	Structure characterization of a novel polysaccharide from Chinese wild fruits (<i>Passiflora foetida</i>) and its immune-enhancing activity. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 324-331	7.9	37
59	Hapten synthesis and development of a competitive indirect enzyme-linked immunosorbent assay for acrylamide in food samples. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 7078-84	5.7	30
58	Development of a monoclonal antibody-based competitive indirect enzyme-linked immunosorbent assay for furaltadone metabolite AMOZ in fish and shrimp samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 10991-7	5.7	27
57	Development of a solid-phase extraction coupling chemiluminescent enzyme immunoassay for determination of organophosphorus pesticides in environmental water samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 2069-75	5.7	27
56	Bispecific Monoclonal Antibody-Based Multianalyte ELISA for Furaltadone Metabolite, Malachite Green, and Leucomalachite Green in Aquatic Products. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8054-8061	5.7	26
55	Development of a specific nanobody and its application in rapid and selective determination of <i>Salmonella enteritidis</i> in milk. <i>Food Chemistry</i> , 2020 , 310, 125942	8.5	25

54	Isolation of Bactrian Camel Single Domain Antibody for Parathion and Development of One-Step dc-FEIA Method Using VHH-Alkaline Phosphatase Fusion Protein. <i>Analytical Chemistry</i> , 2018 , 90, 12886-12892	7.8	25
53	Structural characterization and immunological activity of pectin polysaccharide from kiwano (<i>Cucumis metuliferus</i>) peels. <i>Carbohydrate Polymers</i> , 2021 , 254, 117371	10.3	24
52	Development of an indirect ELISA for the determination of ethyl carbamate in Chinese rice wine. <i>Analytica Chimica Acta</i> , 2017 , 950, 162-169	6.6	23
51	Development of an enzyme-linked immuno-sorbent assay (ELISA) method for carbofuran residues. <i>Molecules</i> , 2008 , 13, 871-81	4.8	23
50	Production and characterization of a single-chain Fv antibody-alkaline phosphatase fusion protein specific for clenbuterol. <i>Molecular Biotechnology</i> , 2010 , 45, 56-64	3	22
49	Production and characterization of single chain Fv directed against beta2-agonist clenbuterol. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 6654-9	5.7	20
48	Expression and purification of an anti-clenbuterol single chain Fv antibody in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2010 , 72, 26-31	2	17
47	Chemiluminescent Enzyme Immunoassay and Bioluminescent Enzyme Immunoassay for Tenuazonic Acid Mycotoxin by Exploitation of Nanobody and Nanobody-Nanoluciferase Fusion. <i>Analytical Chemistry</i> , 2020 , 92, 11935-11942	7.8	16
46	Specific Monoclonal Antibody-Based Enzyme Immunoassay for Sensitive and Reliable Detection of Alternaria Mycotoxin Iso-Tenuazonic Acid in Food Products. <i>Food Analytical Methods</i> , 2018 , 11, 635-645	3.4	15
45	Fluorescence Polarization Immunoassay for Alternaria Mycotoxin Tenuazonic Acid Detection and Molecular Modeling Studies of Antibody Recognition. <i>Food Analytical Methods</i> , 2018 , 11, 2455-2462	3.4	15
44	Nutritional Composition and Antioxidant Properties of the Fruits of a Chinese Wild <i>Passiflora foetida</i> . <i>Molecules</i> , 2018 , 23,	4.8	15
43	Design and synthesis of immunoconjugates and development of an indirect ELISA for rapid detection of 3, 5-dinitrosalicylic Acid hydrazide. <i>Molecules</i> , 2008 , 13, 2238-48	4.8	15
42	Development of a sensitive non-competitive immunoassay via immunocomplex binding peptide for the determination of ethyl carbamate in wine samples. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124288	12.8	13
41	An Indirect Competitive Enzyme-linked Immunosorbent Assay for Simultaneous Determination of Florfenicol and Thiamphenicol in Animal Meat and Urine. <i>Chinese Journal of Analytical Chemistry</i> , 2018 , 46, 1321-1328	1.6	12
40	High affinity antibody based on a rationally designed hapten and development of a chemiluminescence enzyme immunoassay for quantification of Alternariol in fruit Juice, maize and flour. <i>Food Chemistry</i> , 2019 , 283, 359-366	8.5	11
39	A rapid and simple fluorescence enzyme-linked immunosorbent assay for tetrabromobisphenol A in soil samples based on a bifunctional fusion protein. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 188, 109904	7	11
38	Indirect Competitive Enzyme-Linked Immunosorbent Assay for Detection of Tylosin in Milk and Water Samples. <i>Chinese Journal of Analytical Chemistry</i> , 2018 , 46, 1275-1281	1.6	11
37	Generation of functional single-chain fragment variable from hybridoma and development of chemiluminescence enzyme immunoassay for determination of total malachite green in tilapia fish. <i>Food Chemistry</i> , 2021 , 337, 127780	8.5	10

36	Development of a skeleton-specific antibody and Au nanoparticle-based immunochromatographic sensor for simultaneous detection of various tadalafil adulterants in health food. <i>Food and Agricultural Immunology</i> , 2019 , 30, 349-368	2.9	9
35	Development of a Monoclonal Antibody-Based ELISA for the Detection of Alternaria Mycotoxin Tenuazonic Acid in Food Samples. <i>Food Analytical Methods</i> , 2020 , 13, 1594-1602	3.4	9
34	Modulating Linker Composition of Haptens Resulted in Improved Immunoassay for Histamine. <i>Biomolecules</i> , 2019 , 9,	5.9	8
33	Cloning, expression, and identification of anti-carbofuran single chain Fv gene. <i>Biotechnology Progress</i> , 2009 , 25, 1018-24	2.8	8
32	Development of a Simple Pretreatment Immunoassay Based on an Organic Solvent-Tolerant Nanobody for the Detection of Carbofuran in Vegetable and Fruit Samples. <i>Biomolecules</i> , 2019 , 9,	5.9	7
31	Novel haptens synthesis and development of a monoclonal antibody-based enzyme-linked immunosorbent assay for leuco-malachite green in fish. <i>Food and Agricultural Immunology</i> , 2017 , 28, 1460-1476	2.9	7
30	Surface display and bioactivity of Bombyx mori acetylcholinesterase on Pichia pastoris. <i>PLoS ONE</i> , 2013 , 8, e70451	3.7	7
29	Design of Novel Haptens and Development of Monoclonal Antibody-Based Immunoassays for the Simultaneous Detection of Tylosin and Tilmicosin in Milk and Water Samples. <i>Biomolecules</i> , 2019 , 9,	5.9	6
28	A gold nanoparticle-based immunochromatographic assay for simultaneous detection of multiplex sildenafil adulterants in health food by only one antibody. <i>Analytica Chimica Acta</i> , 2021 , 1141, 1-12	6.6	6
27	Hapten synthesis and production of specific antibody against 3-amino-5-morpholinomethyl-2-oxazolidone for immunoassay without derivatisation. <i>Food and Agricultural Immunology</i> , 2018 , 29, 332-345	2.9	6
26	An enhanced open sandwich immunoassay by molecular evolution for noncompetitive detection of Alternaria mycotoxin tenuazonic acid. <i>Food Chemistry</i> , 2021 , 361, 130103	8.5	6
25	Structural Features of Three Hetero-Galacturonans from Fruits and Their in Vitro Immunomodulatory Effects. <i>Polymers</i> , 2020 , 12,	4.5	5
24	Production of Antigen-Binding Fragment against , -Diethyl Organophosphorus Pesticides and Molecular Dynamics Simulations of Antibody Recognition. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
23	Development of an inner filter effect-based fluorescence immunoassay for the detection of acrylamide using 9-xanthidrol derivatization. <i>Sensors and Actuators B: Chemical</i> , 2021 , 332, 129561	8.5	5
22	Mimotope-Based Immunoassays for the Rapid Analysis of Mycotoxin: A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11743-11752	5.7	5
21	Phosphate-triggered ratiometric fluoroimmunoassay based on nanobody-alkaline phosphatase fusion for sensitive detection of 1-naphthol for the exposure assessment of pesticide carbaryl. <i>Journal of Hazardous Materials</i> , 2021 , 127411	12.8	4
20	Preparation of a Bombyx mori acetylcholinesterase enzyme reagent through chaperone protein disulfide isomerase co-expression strategy in Pichia pastoris for detection of pesticides. <i>Enzyme and Microbial Technology</i> , 2021 , 144, 109741	3.8	4
19	Development of a chemiluminescence immunoassay for detection of tenuazonic acid mycotoxin in fruit juices with a specific camel polyclonal antibody. <i>Analytical Methods</i> , 2021 , 13, 1795-1802	3.2	4

18	Separation of Proteins by Aqueous Two-phase Extraction System Combined with Liquid Chromatography. <i>Chinese Journal of Analytical Chemistry</i> , 2012 , 40, 38	1.6	3
17	Preparation monoclonal E ₁ type anti-idiotypic antibody of zearalenone and development of green ELISA quantitative detecting technique. <i>Preparative Biochemistry and Biotechnology</i> , 2020 , 50, 419-424	2.4	3
16	Enhanced Non-Toxic Immunodetection of Mycotoxin Tenuazonic Acid Based on Ferritin-Displayed Anti-Idiotypic Nanobody-Nanoluciferase Multimers. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 4911-4917	5.7	3
15	An ultrasensitive sandwich chemiluminescent enzyme immunoassay based on phage-mediated double-nanobody for detection of Salmonella Typhimurium in food. <i>Sensors and Actuators B: Chemical</i> , 2022 , 352, 131058	8.5	2
14	Generation of recombinant antibodies by mammalian expression system for detecting S-metolachlor in environmental waters. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126305	12.8	2
13	Proteomics analysis of the protective effect of canola (<i>Brassica campestris</i> L.) bee pollen flavonoids on the tert-butyl hydroperoxide-induced EA.hy926 cell injury model. <i>Journal of Functional Foods</i> , 2020 , 75, 104223	5.1	1
12	Codon modification for the DNA sequence of a single-chain Fv antibody against clenbuterol and expression in <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 3679-89	5.7	1
11	Nanobodies for accurate recognition of iso-tenuazonic acid and development of sensitive immunoassay for contaminant detection in foods. <i>Food Control</i> , 2022 , 136, 108835	6.2	1
10	Construction, expression and functional analysis of anti-clenbuterol codon-optimized scFv recombinant antibody. <i>Food and Chemical Toxicology</i> , 2020 , 135, 110973	4.7	1
9	Enhanced Secretory Expression and Surface Display Level of <i>Bombyx mori</i> Acetylcholinesterase 2 by <i>Pichia pastoris</i> Based on Codon Optimization Strategy for Pesticides Selection. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 3321-3335	3.2	1
8	Guided Evolution of Recombinant Acetylcholinesterase II by Homology Modeling to Change Pesticide Sensitivity. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	1
7	Detection of Tadalafil and Its Analogues in Health Wine and Oral Liquid by Microwell Lateral Flow Immunochromatography Assay. <i>Chinese Journal of Analytical Chemistry</i> , 2019 , 47, 1249-1257	1.6	0
6	Prussian blue nanoparticles-enabled sensitive and accurate ratiometric fluorescence immunoassay for histamine.. <i>Food Chemistry</i> , 2021 , 376, 131907	8.5	0
5	Nanobody-Based Assays for the Detection of Environmental and Agricultural Contaminants.. <i>Methods in Molecular Biology</i> , 2022 , 2446, 547-554	1.4	0
4	Ultrasensitive and rapid colorimetric detection of paraquat via a high specific VHH nanobody.. <i>Biosensors and Bioelectronics</i> , 2022 , 205, 114089	11.8	0
3	Multicolorimetric and fluorometric dual-modal immunosensor for histamine via enzyme-enabled metallization of gold nanorods and inner filter effect of carbon dots. <i>Food Control</i> , 2022 , 137, 108941	6.2	0
2	Immunological Activity and Gut Microbiota Modulation of Pectin from Kiwano (<i>Cucumis metuliferus</i>) Peels. <i>Foods</i> , 2022 , 11, 1632	4.9	0
1	Nanobodies as binding-chaperones stabilize the recombinant <i>Bombyx mori</i> acetylcholinesterase and protect the enzyme activity in pesticide detection.. <i>Enzyme and Microbial Technology</i> , 2022 , 155, 109992	3.8	

