

# Hong Wang

## 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.

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	Nanobodies for accurate recognition of iso-tenuazonic acid and development of sensitive immunoassay for contaminant detection in foods. <i>Food Control</i> , <b>2022</b> , 136, 108835	6.2	1
70	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> , <b>2022</b> , 352, 131058	8.5	2
69	Nanobodies as binding-chaperones stabilize the recombinant Bombyx mori acetylcholinesterase and protect the enzyme activity in pesticide detection.. <i>Enzyme and Microbial Technology</i> , <b>2022</b> , 155, 109992	3.8	
68	Nanobody-Based Assays for the Detection of Environmental and Agricultural Contaminants.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2446, 547-554	1.4	0
67	Ultrasensitive and rapid colorimetric detection of paraquat via a high specific VHH nanobody.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 205, 114089	11.8	0
66	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> , <b>2022</b> , 137, 108941	6.2	0
65	Immunological Activity and Gut Microbiota Modulation of Pectin from Kiwano (Cucumis metuliferus) Peels. <i>Foods</i> , <b>2022</b> , 11, 1632	4.9	0
64	Prussian blue nanoparticles-enabled sensitive and accurate ratiometric fluorescence immunoassay for histamine.. <i>Food Chemistry</i> , <b>2021</b> , 376, 131907	8.5	0
63	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> , <b>2021</b> , 127411	12.8	4
62	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> , <b>2021</b> , 144, 109741	3.8	4
61	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> , <b>2021</b> , 69, 4911-4917	5.7	3
60	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> , <b>2021</b> , 332, 129561	8.5	5
59	Enhanced Secretory Expression and Surface Display Level of Bombyx mori Acetylcholinesterase 2 by Pichia pastoris Based on Codon Optimization Strategy for Pesticides Selection. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 3321-3335	3.2	1
58	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> , <b>2021</b> , 406, 124288	12.8	13
57	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> , <b>2021</b> , 337, 127780	8.5	10
56	Structural characterization and immunological activity of pectin polysaccharide from kiwano (Cucumis metuliferus) peels. <i>Carbohydrate Polymers</i> , <b>2021</b> , 254, 117371	10.3	24
55	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> , <b>2021</b> , 1141, 1-12	6.6	6

54	Development of a chemiluminescence immunoassay for detection of tenuazonic acid mycotoxin in fruit juices with a specific camel polyclonal antibody. <i>Analytical Methods</i> , <b>2021</b> , 13, 1795-1802	3.2	4
53	Generation of recombinant antibodies by mammalian expression system for detecting S-metolachlor in environmental waters. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 418, 126305	12.8	2
52	Mimotope-Based Immunoassays for the Rapid Analysis of Mycotoxin: A Review. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 11743-11752	5.7	5
51	An enhanced open sandwich immunoassay by molecular evolution for noncompetitive detection of Alternaria mycotoxin tenuazonic acid. <i>Food Chemistry</i> , <b>2021</b> , 361, 130103	8.5	6
50	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> , <b>2020</b> , 75, 104223	5.1	1
49	Development of a Monoclonal Antibody-Based ELISA for the Detection of Alternaria Mycotoxin Tenuazonic Acid in Food Samples. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 1594-1602	3.4	9
48	Structural Features of Three Hetero-Galacturonans from Fruits and Their in Vitro Immunomodulatory Effects. <i>Polymers</i> , <b>2020</b> , 12,	4.5	5
47	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> , <b>2020</b> , 188, 109904	7	11
46	Preparation monoclonal E <sub>1</sub> type anti-idiotypic antibody of zearalenone and development of green ELISA quantitative detecting technique. <i>Preparative Biochemistry and Biotechnology</i> , <b>2020</b> , 50, 419-424	2.4	3
45	Development of a specific nanobody and its application in rapid and selective determination of Salmonella enteritidis in milk. <i>Food Chemistry</i> , <b>2020</b> , 310, 125942	8.5	25
44	Construction, expression and functional analysis of anti-clenbuterol codon-optimized scFv recombinant antibody. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 135, 110973	4.7	1
43	Chemiluminescent Enzyme Immunoassay and Bioluminescent Enzyme Immunoassay for Tenuazonic Acid Mycotoxin by Exploitation of Nanobody and Nanobody-Nanoluciferase Fusion. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11935-11942	7.8	16
42	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> , <b>2019</b> , 9,	5.9	7
41	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> , <b>2019</b> , 283, 359-366	8.5	11
40	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> , <b>2019</b> , 136, 324-331	7.9	37
39	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> , <b>2019</b> , 30, 349-368	2.9	9
38	Modulating Linker Composition of Haptens Resulted in Improved Immunoassay for Histamine. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	8
37	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> , <b>2019</b> , 47, 1249-1257	1.6	0

36	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> , <b>2019</b> , 9,	5.9	6
35	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> , <b>2018</b> , 11, 635-645	3.4	15
34	Fluorescence Polarization Immunoassay for Alternaria Mycotoxin Tenuazonic Acid Detection and Molecular Modeling Studies of Antibody Recognition. <i>Food Analytical Methods</i> , <b>2018</b> , 11, 2455-2462	3.4	15
33	Production of Antigen-Binding Fragment against $\gamma$ -Diethyl Organophosphorus Pesticides and Molecular Dynamics Simulations of Antibody Recognition. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	5
32	Nutritional Composition and Antioxidant Properties of the Fruits of a Chinese Wild Passiflora foetida. <i>Molecules</i> , <b>2018</b> , 23,	4.8	15
31	Hapten synthesis and production of specific antibody against 3-amino-5-morpholinomethyl-2-oxazolidone for immunoassay without derivatisation. <i>Food and Agricultural Immunology</i> , <b>2018</b> , 29, 332-345	2.9	6
30	Indirect Competitive Enzyme-Linked Immunosorbent Assay for Detection of Tylosin in Milk and Water Samples. <i>Chinese Journal of Analytical Chemistry</i> , <b>2018</b> , 46, 1275-1281	1.6	11
29	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> , <b>2018</b> , 46, 1321-1328	1.6	12
28	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> , <b>2018</b> , 90, 12886-12892	7.8	25
27	Guided Evolution of Recombinant Acetylcholinesterase II by Homology Modeling to Change Pesticide Sensitivity. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	1
26	Immunochemical techniques for multianalyte analysis of chemical residues in food and the environment: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 88, 25-40	14.6	100
25	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> , <b>2017</b> , 28, 1460-1476	2.9	7
24	Development of an indirect ELISA for the determination of ethyl carbamate in Chinese rice wine. <i>Analytica Chimica Acta</i> , <b>2017</b> , 950, 162-169	6.6	23
23	Bispecific Monoclonal Antibody-Based Multianalyte ELISA for Furalfadone Metabolite, Malachite Green, and Leucomalachite Green in Aquatic Products. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 8054-8061	5.7	26
22	Codon modification for the DNA sequence of a single-chain Fv antibody against clenbuterol and expression in Pichia pastoris. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 3679-89	5.7	1
21	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> , <b>2014</b> , 62, 8752-8	5.7	39
20	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> , <b>2014</b> , 62, 7078-84	5.7	30
19	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> , <b>2014</b> , 62, 12299-308	5.7	44

18	Phage-displayed peptide that mimics aflatoxins and its application in immunoassay. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 2426-33	5.7	51
17	Surface display and bioactivity of Bombyx mori acetylcholinesterase on Pichia pastoris. <i>PLoS ONE</i> , <b>2013</b> , 8, e70451	3.7	7
16	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> , <b>2012</b> , 60, 10991-7	5.7	27
15	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> , <b>2012</b> , 60, 2069-75	5.7	27
14	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> , <b>2012</b> , 736, 85-91	6.6	52
13	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> , <b>2012</b> , 60, 5076-83	5.7	39
12	Separation of Proteins by Aqueous Two-phase Extraction System Combined with Liquid Chromatography. <i>Chinese Journal of Analytical Chemistry</i> , <b>2012</b> , 40, 38	1.6	3
11	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> , <b>2011</b> , 708, 123-9	6.6	75
10	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> , <b>2011</b> , 707, 148-54	6.6	48
9	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> , <b>2010</b> , 82, 9314-21	7.8	80
8	Expression and purification of an anti-clenbuterol single chain Fv antibody in Escherichia coli. <i>Protein Expression and Purification</i> , <b>2010</b> , 72, 26-31	2	17
7	Production and characterization of a single-chain Fv antibody-alkaline phosphatase fusion protein specific for clenbuterol. <i>Molecular Biotechnology</i> , <b>2010</b> , 45, 56-64	3	22
6	Cloning, expression, and identification of anti-carbofuran single chain Fv gene. <i>Biotechnology Progress</i> , <b>2009</b> , 25, 1018-24	2.8	8
5	Application of computer-assisted molecular modeling for immunoassay of low molecular weight food contaminants: A review. <i>Analytica Chimica Acta</i> , <b>2009</b> , 647, 125-36	6.6	62
4	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> , <b>2009</b> , 647, 90-6	6.6	51
3	Development of an enzyme-linked immuno-sorbent assay (ELISA) method for carbofuran residues. <i>Molecules</i> , <b>2008</b> , 13, 871-81	4.8	23
2	Design and synthesis of immunoconjugates and development of an indirect ELISA for rapid detection of 3, 5-dinitrosalicylic Acid hydrazide. <i>Molecules</i> , <b>2008</b> , 13, 2238-48	4.8	15
1	Production and characterization of single chain Fv directed against beta2-agonist clenbuterol. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 6654-9	5.7	20

