

Jianfeng Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

284
citations

933447

10
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of a shared binding site for <i>Bacillus thuringiensis</i> Cry1Ac and Cry2Aa toxins in <i>Cnaphalocrocis medinalis</i> cadherin. <i>Insect Molecular Biology</i> , 2022, 31, 101-114.	2.0	5
2	Identification of single domain antibodies with insect cytotoxicity using phage-display antibody library screening and <i>Plutella xylostella</i> ATP-binding cassette transporter subfamily C member 2 (ABCC2)-based insect cell expression system. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 586-596.	7.5	3
3	Screening and identification of vancomycin anti-idiotypic antibodies for against <i>Staphylococcus aureus</i> from a human phage display domain antibody library. <i>Immunology Letters</i> , 2022, 246, 1-9.	2.5	0
4	Docking-based generation of antibodies mimicking Cry1A/1B protein binding sites as potential insecticidal agents against diamondback moth (<i>Plutella xylostella</i>). <i>Pest Management Science</i> , 2021, 77, 4593-4606.	3.4	6
5	Anti-idiotypic single-chain variable fragment antibody partially mimic the functionally spatial structure of Cry2Aa toxin. <i>Analytical Biochemistry</i> , 2021, 625, 114222.	2.4	4
6	Identification of a Cry1Fa binding site of cadherin in <i>Plutella xylostella</i> through fragment exchanging and molecular docking methods. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 62-69.	7.5	3
7	Construction and characterization of a class-specific single-chain variable fragment against pyrethroid metabolites. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7345-7354.	3.6	12
8	Synergistic selection of a <i>Helicoverpa armigera</i> cadherin fragment with Cry1Ac in different cells and insects. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3667-3675.	7.5	3
9	Roles of Midgut Cadherin from Two Moths in Different <i>Bacillus thuringiensis</i> Action Mechanisms: Correlation among Toxin Binding, Cellular Toxicity, and Synergism. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13237-13246.	5.2	20
10	Expression of Cry1Ac toxin-binding region in <i>Plutella xylostella</i> cadherin-like receptor and studying their interaction mode by molecular docking and site-directed mutagenesis. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 822-831.	7.5	14
11	Generation of panels of anti-idiotypic single-chain variable fragments mimicking Cry2Aa toxin using the chain shuffling technique. <i>Food and Agricultural Immunology</i> , 2018, 29, 735-743.	1.4	8
12	Broad specificity immunoassay for detection of <i>Bacillus thuringiensis</i> Cry toxins through engineering of a single chain variable fragment with mutagenesis and screening. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 920-928.	7.5	10
13	First Report of Tomato yellow leaf curl Kanchanaburi virus Infecting Eggplant in China. <i>Plant Disease</i> , 2018, 102, 257-257.	1.4	6
14	Establishment of a sandwich enzyme-linked immunosorbent assay for specific detection of <i>Bacillus thuringiensis</i> (Bt) Cry1Ab toxin utilizing a monoclonal antibody produced with a novel hapten designed with molecular model. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1985-1994.	3.7	16
15	Construction of an Immunized Rabbit Phage Display Library for Selecting High Activity against <i>Bacillus thuringiensis</i> Cry1F Toxin Single-Chain Antibodies. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6016-6022.	5.2	19
16	Simultaneous production of monoclonal antibodies against <i>Bacillus thuringiensis</i> (Bt) Cry1 toxins using a mixture immunization. <i>Analytical Biochemistry</i> , 2017, 531, 60-66.	2.4	10
17	Production and Characterization of Monoclonal Antibody Broadly Recognizing Cry1 Toxins by Use of Designed Polypeptide as Hapten. <i>Analytical Chemistry</i> , 2016, 88, 7023-7032.	6.5	30
18	Selection and application of broad-specificity human domain antibody for simultaneous detection of Bt Cry toxins. <i>Analytical Biochemistry</i> , 2016, 512, 70-77.	2.4	10

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19	Isolation of broad-specificity domain antibody from phage library for development of pyrethroid immunoassay. <i>Analytical Biochemistry</i> , 2016, 502, 1-7.	2.4	22
20	Triacylglycerol Composition Profiling and Comparison of High-Oleic and Normal Peanut Oils. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2015, 92, 233-242.	1.9	30
21	Detection of 3-phenoxybenzoic acid in river water with a colloidal gold-based lateral flow immunoassay. <i>Analytical Biochemistry</i> , 2015, 483, 7-11.	2.4	37
22	Fumigation toxicity of allicin against three stored product pests. <i>Journal of Stored Products Research</i> , 2013, 55, 48-54.	2.6	16