

Zhui Tu

List of Publications by Year in descending order

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32
papers

955
citations

471061

17
h-index

433756

31
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32
all docs

32
docs citations

32
times ranked

1015
citing authors

#	ARTICLE	IF	CITATIONS
1	A sensitive electrochemical immunosensing interface for label-free detection of aflatoxin B1 by attachment of nanobody to MWCNTs-COOH@black phosphorene. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1129-1139.	1.9	11
2	Tandem nanobody: A feasible way to improve the capacity of affinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1173, 122678.	1.2	1
3	Research on the Mechanism of Action of a Citrinin and Anti-Citrinin Antibody Based on Mimotope X27. <i>Toxins</i> , 2020, 12, 655.	1.5	2
4	Engineering a recombination neutral protease I from <i>Aspergillus oryzae</i> to improve enzyme activity at acidic pH. <i>RSC Advances</i> , 2020, 10, 30692-30699.	1.7	8
5	Anti-idiotypic VHH mediated environmentally friendly immunoassay for citrinin without mycotoxin. <i>Food and Agricultural Immunology</i> , 2020, 31, 968-984.	0.7	7
6	The <i>ctnF</i> gene is involved in citrinin and pigment synthesis in <i>Monascus aurantiacus</i> . <i>Journal of Basic Microbiology</i> , 2020, 60, 873-881.	1.8	11
7	Landscape of variable domain of heavy chain only antibody repertoire from alpaca. <i>Immunology</i> , 2020, 161, 53-65.	2.0	17
8	Single-chain variable fragment antibody-based immunochromatographic strip for rapid detection of fumonisin B1 in maize samples. <i>Food Chemistry</i> , 2020, 319, 126546.	4.2	30
9	Development of Real-Time Immuno-PCR Based on Phage Displayed an Anti-Idiotypic Nanobody for Quantitative Determination of Citrinin in <i>Monascus</i> . <i>Toxins</i> , 2019, 11, 572.	1.5	11
10	One-step orientated immobilization of nanobodies and its application for immunoglobulin purification. <i>Journal of Chromatography A</i> , 2019, 1603, 15-22.	1.8	13
11	One-Step Ultrasensitive Bioluminescent Enzyme Immunoassay Based on Nanobody/Nanoluciferase Fusion for Detection of Aflatoxin B ₁ in Cereal. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5221-5229.	2.4	55
12	Panning anti-LPS nanobody as a capture target to enrich <i>Vibrio fluvialis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 531-536.	1.0	4
13	A peptide/maltose-binding protein fusion protein used to replace the traditional antigen for immunological detection of deoxynivalenol in food and feed. <i>Food Chemistry</i> , 2018, 268, 242-248.	4.2	26
14	Deleting the citrinin biosynthesis-related gene, <i>ctnE</i> , to greatly reduce citrinin production in <i>Monascus aurantiacus</i> Li AS3.4384. <i>International Journal of Food Microbiology</i> , 2017, 241, 325-330.	2.1	42
15	Anti-idiotypic nanobody-alkaline phosphatase fusion proteins: Development of a one-step competitive enzyme immunoassay for fumonisin B ₁ detection in cereal. <i>Analytica Chimica Acta</i> , 2016, 924, 53-59.	2.6	57
16	Phage displayed anti-idiotypic nanobody mediated immuno-PCR for sensitive and environmentally friendly detection of mycotoxin ochratoxin A. <i>Analytical Methods</i> , 2016, 8, 7824-7831.	1.3	20
17	One Pot Method to Synthesize a Novel La-Zr Composite with Exceptionally High Fluoride Removal Performance. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 285-293.	1.9	13
18	Nanobody medicated immunoassay for ultrasensitive detection of cancer biomarker alpha-fetoprotein. <i>Talanta</i> , 2016, 147, 523-530.	2.9	41

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19	Anti-idiotypic VHH phage display-mediated immuno-PCR for ultrasensitive determination of mycotoxin zearalenone in cereals. <i>Talanta</i> , 2016, 147, 410-415.	2.9	40
20	Identification and characterization of species-specific nanobodies for the detection of <i>Listeria monocytogenes</i> in milk. <i>Analytical Biochemistry</i> , 2016, 493, 1-7.	1.1	41
21	Anti-idiotypic nanobody: A strategy for development of sensitive and green immunoassay for Fumonisin B 1. <i>Talanta</i> , 2015, 143, 388-393.	2.9	61
22	Preparation and characterization of novel IgG affinity resin coupling anti-Fc camelid single-domain antibodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 983-984, 26-31.	1.2	11
23	Citrinin detection using phage-displayed anti-idiotypic single-domain antibody for antigen mimicry. <i>Food Chemistry</i> , 2015, 177, 97-101.	4.2	26
24	Anti-idiotypic nanobody as citrinin mimotope from a naive alpaca heavy chain single domain antibody library. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5333-5341.	1.9	38
25	Deoxynivalenol-mimic nanobody isolated from a naïve phage display nanobody library and its application in immunoassay. <i>Analytica Chimica Acta</i> , 2015, 887, 201-208.	2.6	51
26	Magnetic beads carrying poly(acrylic acid) brushes as nanobody containers for immunoaffinity purification of aflatoxin B1 from corn samples. <i>RSC Advances</i> , 2015, 5, 77380-77387.	1.7	15
27	Ultrasonic Nanobubbles Carrying Anti-PSMA Nanobody: Construction and Application in Prostate Cancer-Targeted Imaging. <i>PLoS ONE</i> , 2015, 10, e0127419.	1.1	62
28	Organophosphorus pesticides detection using broad-specific single-stranded DNA based fluorescence polarization aptamer assay. <i>Biosensors and Bioelectronics</i> , 2014, 55, 216-219.	5.3	121
29	VHH Phage-Based Competitive Real-Time Immuno-Polymerase Chain Reaction for Ultrasensitive Detection of Ochratoxin A in Cereal. <i>Analytical Chemistry</i> , 2014, 86, 7471-7477.	3.2	75
30	Isolation and characterization of recombinant variable domain of heavy chain anti-idiotypic antibodies specific to aflatoxin B1. <i>Biomedical and Environmental Sciences</i> , 2014, 27, 118-21.	0.2	11
31	Application of membrane filtration method to isolate uninuclei conidium in <i>Aspergillus oryzae</i> transformation system based on the pyrG marker. <i>Food Science and Biotechnology</i> , 2013, 22, 93-97.	1.2	5
32	Isolation and characterisation of deoxynivalenol affinity binders from a phage display library based on single-domain camelid heavy chain antibodies (VHHs). <i>Food and Agricultural Immunology</i> , 2012, 23, 123-131.	0.7	29