Zhui Tu

List of Publications by Year
in descending order

32 papers	955 citations	471509 17 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1015 citing authors

#	Article	IF	Citations
1	Organophosphorus pesticides detection using broad-specific single-stranded DNA based fluorescence polarization aptamer assay. Biosensors and Bioelectronics, 2014, 55, 216-219.	10.1	121
2	VHH Phage-Based Competitive Real-Time Immuno-Polymerase Chain Reaction for Ultrasensitive Detection of Ochratoxin A in Cereal. Analytical Chemistry, 2014, 86, 7471-7477.	6.5	75
3	Ultrasonic Nanobubbles Carrying Anti-PSMA Nanobody: Construction and Application in Prostate Cancer-Targeted Imaging. PLoS ONE, 2015, 10, e0127419.	2.5	62
4	Anti-idiotypic nanobody: A strategy for development of sensitive and green immunoassay for Fumonisin B 1. Talanta, 2015, 143, 388-393.	5.5	61
5	Anti-idiotypic nanobody-alkaline phosphatase fusion proteins: Development of a one-step competitive enzyme immunoassay for fumonisin B 1 detection in cereal. Analytica Chimica Acta, 2016, 924, 53-59.	5.4	57
6	One-Step Ultrasensitive Bioluminescent Enzyme Immunoassay Based on Nanobody/Nanoluciferase Fusion for Detection of Aflatoxin B₁ in Cereal. Journal of Agricultural and Food Chemistry, 2019, 67, 5221-5229.	5.2	55
7	Deoxynivalenol-mimic nanobody isolated from a naÃ¯ve phage display nanobody library and its application in immunoassay. Analytica Chimica Acta, 2015, 887, 201-208.	5.4	51
8	Deleting the citrinin biosynthesis-related gene, ctnE , to greatly reduce citrinin production in Monascus aurantiacus Li AS3.4384. International Journal of Food Microbiology, 2017, 241, 325-330.	4.7	42
9	Nanobody medicated immunoassay for ultrasensitive detection of cancer biomarker alpha-fetoprotein. Talanta, 2016, 147, 523-530.	5.5	41
10	Identification and characterization of species-specific nanobodies for the detection of Listeria monocytogenes in milk. Analytical Biochemistry, 2016, 493, 1-7.	2.4	41
11	Anti-idiotypic VHH phage display-mediated immuno-PCR for ultrasensitive determination of mycotoxin zearalenone in cereals. Talanta, 2016, 147, 410-415.	5.5	40
12	Anti-idiotypic nanobody as citrinin mimotope from a naive alpaca heavy chain single domain antibody library. Analytical and Bioanalytical Chemistry, 2015, 407, 5333-5341.	3.7	38
13	Single-chain variable fragment antibody-based immunochromatographic strip for rapid detection of fumonisin B1 in maize samples. Food Chemistry, 2020, 319, 126546.	8.2	30
14	Isolation and characterisation of deoxynivalenol affinity binders from a phage display library based on single-domain camelid heavy chain antibodies (VHHs). Food and Agricultural Immunology, 2012, 23, 123-131.	1.4	29
15	Citrinin detection using phage-displayed anti-idiotypic single-domain antibody for antigen mimicry. Food Chemistry, 2015, 177, 97-101.	8.2	26
16	A peptide/maltose-binding protein fusion protein used to replace the traditional antigen for immunological detection of deoxynivalenol in food and feed. Food Chemistry, 2018, 268, 242-248.	8.2	26
17	Phage displayed anti-idiotypic nanobody mediated immuno-PCR for sensitive and environmentally friendly detection of mycotoxin ochratoxin A. Analytical Methods, 2016, 8, 7824-7831.	2.7	20
18	Landscape of variable domain of heavyâ€chainâ€only antibody repertoire from alpaca. Immunology, 2020, 161, 53-65.	4.4	17

#	Article	IF	Citations
19	Magnetic beads carrying poly(acrylic acid) brushes as â€œnanobody containersâ€•for immunoaffinity purification of aflatoxin B1 from corn samples. RSC Advances, 2015, 5, 77380-77387.	3.6	15
20	One Pot Method to Synthesize a Novel Laâ€“Zr Composite with Exceptionally High Fluoride Removal Performance. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 285-293.	3.7	13
21	One-step orientated immobilization of nanobodies and its application for immunoglobulin purification. Journal of Chromatography A, 2019, 1603, 15-22.	3.7	13
22	Preparation and characterization of novel IgG affinity resin coupling anti-Fc camelid single-domain antibodies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 983-984, 26-31.	2.3	11
23	Development of Real-Time Immuno-PCR Based on Phage Displayed an Anti-Idiotypic Nanobody for Quantitative Determination of Citrinin in Monascus. Toxins, 2019, 11, 572.	3.4	11
24	The ctnFgene is involved in citrinin and pigment synthesis inMonascus aurantiacus. Journal of Basic Microbiology, 2020, 60, 873-881.	3.3	11
25	Isolation and characterization of recombinant variable domain of heavy chain anti-idiotypic antibodies specific to aflatoxin B1. Biomedical and Environmental Sciences, 2014, 27, 118-21.	0.2	11
26	A sensitive electrochemical immunosensing interface for label-free detection of aflatoxin B1 by attachment of nanobody to MWCNTs-COOH@black phosphorene. Analytical and Bioanalytical Chemistry, 2022, 414, 1129-1139.	3.7	11
27	Engineering a recombination neutral protease I from Aspergillus oryzae to improve enzyme activity at acidic pH. RSC Advances, 2020, 10, 30692-30699.	3.6	8
28	Anti-idiotypic VHH mediated environmentally friendly immunoassay for citrinin without mycotoxin. Food and Agricultural Immunology, 2020, 31, 968-984.	1.4	7
29	Application of membrane filtration method to isolate uninuclei conidium in Aspergillus oryzae transformation system based on the pyrG marker. Food Science and Biotechnology, 2013, 22, 93-97.	2.6	5
30	Panning anti-LPS nanobody as a capture target to enrich Vibrio fluvialis. Biochemical and Biophysical Research Communications, 2019, 512, 531-536.	2.1	4
31	Research on the Mechanism of Action of a Citrinin and Anti-Citrinin Antibody Based on Mimotope X27. Toxins, 2020, 12, 655.	3.4	2
32	Tandem nanobody: A feasible way to improve the capacity of affinity chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1173, 122678.	2.3	1