

# Zhui Tu

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

955  
citations

471061

17  
h-index

433756

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. <i>Biosensors and Bioelectronics</i> , 2014, 55, 216-219.   | 5.3 | 121       |
| 2  | 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        |
| 3  | Ultrasonic Nanobubbles Carrying Anti-PSMA Nanobody: Construction and Application in Prostate Cancer-Targeted Imaging. <i>PLoS ONE</i> , 2015, 10, e0127419.   | 1.1 | 62        |
| 4  | 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        |
| 5  | 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        |
| 6  | One-Step Ultrasensitive Bioluminescent Enzyme Immunoassay Based on Nanobody/Nanoluciferase Fusion for Detection of Aflatoxin B <sub>1</sub> in Cereal. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5221-5229. | 2.4 | 55        |
| 7  | 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        |
| 8  | 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        |
| 9  | Nanobody medicated immunoassay for ultrasensitive detection of cancer biomarker alpha-fetoprotein. <i>Talanta</i> , 2016, 147, 523-530.   | 2.9 | 41        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | Citrinin detection using phage-displayed anti-idiotypic single-domain antibody for antigen mimicry. <i>Food Chemistry</i> , 2015, 177, 97-101.  | 4.2 | 26        |
| 16 | A peptide/maltose-binding protein fusion protein used to replace the traditional antigen for immunological detection of deoxynivalenol in food and feed. <i>Food Chemistry</i> , 2018, 268, 242-248.                            | 4.2 | 26        |
| 17 | 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        |
| 18 | Landscape of variable domain of heavy chain only antibody repertoire from alpaca. <i>Immunology</i> , 2020, 161, 53-65.   | 2.0 | 17        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 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 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | 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        |
| 27 | 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         |
| 28 | Anti-idiotypic VHH mediated environmentally friendly immunoassay for citrinin without mycotoxin. <i>Food and Agricultural Immunology</i> , 2020, 31, 968-984.   | 0.7 | 7         |
| 29 | Application of membrane filtration method to isolate uninuclei conidium in <i>Aspergillus oryzae</i> transformation system based on the <i>pyrG</i> marker. <i>Food Science and Biotechnology</i> , 2013, 22, 93-97.                    | 1.2 | 5         |
| 30 | 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         |
| 31 | 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         |
| 32 | 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         |