

# Hengyi Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

149  
papers

5,623  
citations

76196

40  
h-index

95083

68  
g-index

152  
all docs

152  
docs citations

152  
times ranked

6927  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Membrane-based lateral flow immunochromatographic strip with nanoparticles as reporters for detection: A review. <i>Biosensors and Bioelectronics</i> , 2016, 75, 166-180.  | 5.3 | 394       |
| 2  | Antibody conjugated magnetic iron oxide nanoparticles for cancer cell separation in fresh whole blood. <i>Biomaterials</i> , 2011, 32, 9758-9765.   | 5.7 | 320       |
| 3  | Role of reactive oxygen species in the antibacterial mechanism of silver nanoparticles on <i>Escherichia coli</i> O157:H7. <i>BioMetals</i> , 2012, 25, 45-53.  | 1.8 | 230       |
| 4  | Immunochromatographic Assay for Ultrasensitive Detection of Aflatoxin B <sub>1</sub> in Maize by Highly Luminescent Quantum Dot Beads. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14215-14222.  | 4.0 | 230       |
| 5  | Antibacterial activity and mechanism of action of $\beta$ -poly-L-lysine. <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 148-153.  | 1.0 | 197       |
| 6  | Comparisons of the biodistribution and toxicological examinations after repeated intravenous administration of silver and gold nanoparticles in mice. <i>Scientific Reports</i> , 2017, 7, 3303.  | 1.6 | 163       |
| 7  | Triblock copolymer coated iron oxide nanoparticle conjugate for tumor integrin targeting. <i>Biomaterials</i> , 2009, 30, 6912-6919.  | 5.7 | 147       |
| 8  | Novel Strategies To Enhance Lateral Flow Immunoassay Sensitivity for Detecting Foodborne Pathogens. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 745-753.  | 2.4 | 146       |
| 9  | Size dependent biodistribution and toxicokinetics of iron oxide magnetic nanoparticles in mice. <i>Nanoscale</i> , 2015, 7, 625-636.  | 2.8 | 139       |
| 10 | Magnetic nano-beads based separation combined with propidium monoazide treatment and multiplex PCR assay for simultaneous detection of viable <i>Salmonella Typhimurium</i> , <i>Escherichia coli</i> O157:H7 and <i>Listeria monocytogenes</i> in food products. <i>Food Microbiology</i> , 2013, 34, 418-424. | 2.1 | 122       |
| 11 | Fluorescent Ru(phen) <sub>3</sub> <sup>2+</sup> -Doped Silica Nanoparticles-Based ICTS Sensor for Quantitative Detection of Enrofloxacin Residues in Chicken Meat. <i>Analytical Chemistry</i> , 2013, 85, 5120-5128.   | 3.2 | 103       |
| 12 | Development of Receptor Targeted Magnetic Iron Oxide Nanoparticles for Efficient Drug Delivery and Tumor Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2008, 4, 439-449.   | 0.5 | 99        |
| 13 | Large-volume immunomagnetic separation combined with multiplex PCR assay for simultaneous detection of <i>Listeria monocytogenes</i> and <i>Listeria ivanovii</i> in lettuce. <i>Food Control</i> , 2016, 59, 601-608.  | 2.8 | 89        |
| 14 | Sensitive Detection of <i>Staphylococcus aureus</i> with Vancomycin-Conjugated Magnetic Beads as Enrichment Carriers Combined with Flow Cytometry. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21464-21472.  | 4.0 | 88        |
| 15 | Gold nanoparticle-based dynamic light scattering immunoassay for ultrasensitive detection of <i>Listeria monocytogenes</i> in lettuces. <i>Biosensors and Bioelectronics</i> , 2015, 66, 184-190.   | 5.3 | 84        |
| 16 | Immunochromatographic assay for quantitative and sensitive detection of hepatitis B virus surface antigen using highly luminescent quantum dot-beads. <i>Talanta</i> , 2015, 142, 145-149.  | 2.9 | 81        |
| 17 | Development of an immunochromatographic assay for rapid and quantitative detection of clenbuterol in swine urine. <i>Food Control</i> , 2013, 34, 725-732.  | 2.8 | 79        |
| 18 | Size dependent effect of ZnO nanoparticles on endoplasmic reticulum stress signaling pathway in murine liver. <i>Journal of Hazardous Materials</i> , 2016, 317, 119-126.   | 6.5 | 74        |

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|----|--|-----|-----------|
| 19 | Ultrasensitive fluorescence immunoassay for detection of ochratoxin A using catalase-mediated fluorescence quenching of CdTe QDs. <i>Nanoscale</i> , 2016, 8, 9390-9397.   | 2.8 | 66        |
| 20 | Dual gold nanoparticle lateflow immunoassay for sensitive detection of Escherichia coli O157:H7. <i>Analytica Chimica Acta</i> , 2015, 876, 71-76.   | 2.6 | 64        |
| 21 | Plasmonic Enzyme-Linked Immunosorbent Assay Using Nanospherical Brushes as a Catalase Container for Colorimetric Detection of Ultralow Concentrations of <i>Listeria monocytogenes</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28632-28639. | 4.0 | 62        |
| 22 | Nanospherical Brush as Catalase Container for Enhancing the Detection Sensitivity of Competitive Plasmonic ELISA. <i>Analytical Chemistry</i> , 2016, 88, 1951-1958.   | 3.2 | 61        |
| 23 | In vitro probiotic characteristics of <i>Lactobacillus plantarum</i> ZDY 2013 and its modulatory effect on gut microbiota of mice. <i>Journal of Dairy Science</i> , 2015, 98, 5850-5861.  | 1.4 | 60        |
| 24 | Vancomycin modified PEGylated-magnetic nanoparticles combined with PCR for efficient enrichment and detection of <i>Listeria monocytogenes</i> . <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 546-555.  | 4.0 | 59        |
| 25 | Ultrahigh-sensitivity label-free optical fiber biosensor based on a tapered singlemode- no core-singlemode coupler for <i>Staphylococcus aureus</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128283.                                   | 4.0 | 58        |
| 26 | Propidium monoazide combined with real-time PCR for selective detection of viable <i>Staphylococcus aureus</i> in milk powder and meat products. <i>Journal of Dairy Science</i> , 2015, 98, 1625-1633.  | 1.4 | 54        |
| 27 | Folic Acid Targeting for Efficient Isolation and Detection of Ovarian Cancer CTCs from Human Whole Blood Based on Two-Step Binding Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 14055-14062.  | 4.0 | 52        |
| 28 | Ru(phen) <sub>3</sub> <sup>2+</sup> doped silica nanoparticle based immunochromatographic strip for rapid quantitative detection of $\beta$ -agonist residues in swine urine. <i>Talanta</i> , 2013, 114, 160-166.   | 2.9 | 51        |
| 29 | Application and development of superparamagnetic nanoparticles in sample pretreatment and immunochromatographic assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 151-170.  | 5.8 | 51        |
| 30 | Folic acid conjugated magnetic iron oxide nanoparticles for nondestructive separation and detection of ovarian cancer cells from whole blood. <i>Biomaterials Science</i> , 2016, 4, 159-166.  | 2.6 | 50        |
| 31 | Biotin-exposure-based immunomagnetic separation coupled with nucleic acid lateral flow biosensor for visibly detecting viable <i>Listeria monocytogenes</i> . <i>Analytica Chimica Acta</i> , 2018, 1017, 48-56.   | 2.6 | 50        |
| 32 | Development of a rapid and sensitive quantum dot-based immunochromatographic strip by double labeling PCR products for detection of <i>Staphylococcus aureus</i> in food. <i>Food Control</i> , 2014, 46, 225-232.   | 2.8 | 49        |
| 33 | Multiplex PCR coupled with propidium monoazide for the detection of viable <i>Cronobacter sakazakii</i> , <i>Bacillus cereus</i> , and <i>Salmonella</i> spp. in milk and milk products. <i>Journal of Dairy Science</i> , 2017, 100, 7874-7882.               | 1.4 | 49        |
| 34 | Effect of skim milk coated inulin-alginate encapsulation beads on viability and gene expression of <i>Lactobacillus plantarum</i> during freeze-drying. <i>LWT - Food Science and Technology</i> , 2016, 68, 8-13.   | 2.5 | 48        |
| 35 | ZnO Nanoparticles Induced Male Reproductive Toxicity Based on the Effects on the Endoplasmic Reticulum Stress Signaling Pathway. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 9563-9576.  | 3.3 | 48        |
| 36 | Rapid and accurate detection of viable <i>Escherichia coli</i> O157:H7 in milk using a combined IMS, sodium deoxycholate, PMA and real-time quantitative PCR process. <i>Food Control</i> , 2014, 36, 119-125.   | 2.8 | 47        |

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|----|---|-----|-----------|
| 37 | Acute toxicity of quantum dots on late pregnancy mice: Effects of nanoscale size and surface coating. <i>Journal of Hazardous Materials</i> , 2016, 318, 61-69.   | 6.5 | 46        |
| 38 | Asymmetric polymerase chain assay combined with propidium monoazide treatment and unmodified gold nanoparticles for colorimetric detection of viable emetic <i>Bacillus cereus</i> in milk. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1455-1461.  | 4.0 | 44        |
| 39 | Rapid and simultaneous quantification of viable <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> spp. in milk through multiplex real-time PCR. <i>Journal of Dairy Science</i> , 2017, 100, 8804-8813.   | 1.4 | 43        |
| 40 | Safety Assessment and Probiotic Evaluation of <i>Enterococcus Faecium</i> YF5 Isolated from Sourdough. <i>Journal of Food Science</i> , 2013, 78, M587-93.  | 1.5 | 41        |
| 41 | Detection of non-emetic and emetic <i>Bacillus cereus</i> by propidium monoazide multiplex PCR (PMA-mPCR) with internal amplification control. <i>Food Control</i> , 2014, 35, 401-406.   | 2.8 | 41        |
| 42 | Detection of viable enterotoxin-producing <i>Bacillus cereus</i> and analysis of toxigenicity from ready-to-eat foods and infant formula milk powder by multiplex PCR. <i>Journal of Dairy Science</i> , 2016, 99, 1047-1055.   | 1.4 | 41        |
| 43 | Sextuplex PCR combined with immunomagnetic separation and PMA treatment for rapid detection and specific identification of viable <i>Salmonella</i> spp., <i>Salmonella enterica</i> serovars Paratyphi B, <i>Salmonella</i> Typhimurium, and <i>Salmonella</i> Enteritidis in raw meat. <i>Food Control</i> , 2017, 73, 587-594. | 2.8 | 40        |
| 44 | Two-step large-volume magnetic separation combined with PCR assay for sensitive detection of <i>Listeria monocytogenes</i> in pasteurized milk. <i>Journal of Dairy Science</i> , 2017, 100, 7883-7890.   | 1.4 | 39        |
| 45 | A competitive enzyme linked aptasensor with rolling circle amplification (ELARCA) assay for colorimetric detection of <i>Listeria monocytogenes</i> . <i>Food Control</i> , 2020, 107, 106806.  | 2.8 | 38        |
| 46 | Development of an SD-PMA-mPCR assay with internal amplification control for rapid and sensitive detection of viable <i>Salmonella</i> spp., <i>Shigella</i> spp. and <i>Staphylococcus aureus</i> in food products. <i>Food Control</i> , 2015, 57, 314-320.  | 2.8 | 36        |
| 47 | A fluorescent cascade amplification method for sensitive detection of <i>Salmonella</i> based on magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles and hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 31-37.   | 4.0 | 36        |
| 48 | Sulfonated polystyrene magnetic nanobeads coupled with immunochromatographic strip for clenbuterol determination in pork muscle. <i>Talanta</i> , 2014, 129, 431-437.   | 2.9 | 34        |
| 49 | Rapid and simultaneous detection of viable <i>Cronobacter sakazakii</i> , <i>Staphylococcus aureus</i> , and <i>Bacillus cereus</i> in infant food products by PMA-mPCR assay with internal amplification control. <i>LWT - Food Science and Technology</i> , 2016, 74, 176-182.  | 2.5 | 34        |
| 50 | 2-Step lectin-magnetic separation (LMS) strategy combined with AuNPs-based colorimetric system for <i>S. aureus</i> detection in blood. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 87-94.  | 4.0 | 34        |
| 51 | Affordable and simple method for separating and detecting ovarian cancer circulating tumor cells using BSA coated magnetic nanoprobe modified with folic acid. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 611-618.   | 4.0 | 33        |
| 52 | Quantum dots cause acute systemic toxicity in lactating rats and growth restriction of offspring. <i>Nanoscale</i> , 2018, 10, 11564-11577.   | 2.8 | 33        |
| 53 | A new application of a sodium deoxycholate-propidium monoazide-quantitative PCR assay for rapid and sensitive detection of viable <i>Cronobacter sakazakii</i> in powdered infant formula. <i>Journal of Dairy Science</i> , 2016, 99, 9550-9559.   | 1.4 | 32        |
| 54 | Development of a propidium monoazide treatment combined with loop-mediated isothermal amplification (PMA-LAMP) assay for rapid detection of viable <i>Listeria monocytogenes</i> . <i>International Journal of Food Science and Technology</i> , 2012, 47, 2460-2467.   | 1.3 | 31        |

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|----|--|-----|-----------|
| 55 | Polyamidoamine (PAMAM) dendrimer-mediated biotin amplified immunomagnetic separation method coupled with flow cytometry for viable <i>Listeria monocytogenes</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 286-294.   | 4.0 | 30        |
| 56 | Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111563.  | 5.3 | 29        |
| 57 | Simultaneous quantitative detection of viable <i>Escherichia coli</i> O157:H7, <i>Cronobacter</i> spp., and <i>Salmonella</i> spp. using sodium deoxycholate-propidium monoazide with multiplex real-time PCR. <i>Journal of Dairy Science</i> , 2019, 102, 2954-2965.                             | 1.4 | 28        |
| 58 | Rapid detection of <i>Staphylococcus aureus</i> in dairy and meat foods by combination of capture with silica-coated magnetic nanoparticles and thermophilic helicase-dependent isothermal amplification. <i>Journal of Dairy Science</i> , 2015, 98, 1563-1570.                                   | 1.4 | 27        |
| 59 | Hybridization chain reaction-based flow cytometric bead sensor for the detection of emetic <i>Bacillus cereus</i> in milk. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 624-631.  | 4.0 | 27        |
| 60 | An integrated system using phenylboronic acid functionalized magnetic beads and colorimetric detection for <i>Staphylococcus aureus</i> . <i>Food Control</i> , 2022, 133, 108633.   | 2.8 | 27        |
| 61 | The beneficial effect of exopolysaccharides from <i>Bifidobacterium bifidum</i> WBIN03 on microbial diversity in mouse intestine. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 256-264.   | 1.7 | 25        |
| 62 | Polystyrene microplastics exacerbated liver injury from cyclophosphamide in mice: Insight into gut microbiota. <i>Science of the Total Environment</i> , 2022, 840, 156668.  | 3.9 | 25        |
| 63 | Invited review: Advancements in lateral flow immunoassays for screening hazardous substances in milk and milk powder. <i>Journal of Dairy Science</i> , 2019, 102, 1887-1900.  | 1.4 | 24        |
| 64 | Development of a multiplexed PCR assay combined with propidium monoazide treatment for rapid and accurate detection and identification of three viable <i>Salmonella enterica</i> serovars. <i>Food Control</i> , 2012, 28, 456-462.   | 2.8 | 23        |
| 65 | <i>Lactobacillus rhamnosus</i> GG Ameliorated Long-Term Exposure to $TiO_2$ Nanoparticles Induced Microbiota-Mediated Liver and Colon Inflammation and Fructose-Caused Metabolic Abnormality in Metabolism Syndrome Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9788-9799. | 2.4 | 23        |
| 66 | Restraining the $TiO_2$ nanoparticles-induced intestinal inflammation mediated by gut microbiota in juvenile rats via ingestion of <i>Lactobacillus rhamnosus</i> GG. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111393.   | 2.9 | 22        |
| 67 | Nano Zinc Oxide Induced Fetal Mice Growth Restriction, Based on Oxide Stress and Endoplasmic Reticulum Stress. <i>Nanomaterials</i> , 2020, 10, 259.   | 1.9 | 22        |
| 68 | Distribution and expression of the enterotoxin genes of <i>Bacillus cereus</i> in food products from Jiangxi Province, China. <i>Food Control</i> , 2016, 67, 155-162.   | 2.8 | 21        |
| 69 | Recombinase aided amplification with photoreactive DNA-binding dye for rapid detection of viable <i>Staphylococcus aureus</i> . <i>LWT - Food Science and Technology</i> , 2021, 135, 110249.  | 2.5 | 21        |
| 70 | Fluorescence detection of <i>Staphylococcus aureus</i> using vancomycin functionalized magnetic beads combined with rolling circle amplification in fruit juice. <i>Analytica Chimica Acta</i> , 2022, 1189, 339213.   | 2.6 | 21        |
| 71 | Nanobeads-based rapid magnetic solid phase extraction of trace amounts of leuco-malachite green in Chinese major carps. <i>Talanta</i> , 2012, 97, 336-342.  | 2.9 | 20        |
| 72 | Rapid and quantitative detection of viable emetic <i>Bacillus cereus</i> by PMA-qPCR assay in milk. <i>Molecular and Cellular Probes</i> , 2019, 47, 101437.   | 0.9 | 20        |

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|----|---|-----|-----------|
| 73 | Nondestructive capture, release, and detection of circulating tumor cells with cystamine-mediated folic acid decorated magnetic nanospheres. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9971-9979.  | 2.9 | 20        |
| 74 | Detection of <i>Cronobacter</i> species in powdered infant formula by probe-magnetic separation PCR. <i>Journal of Dairy Science</i> , 2014, 97, 6067-6075.   | 1.4 | 19        |
| 75 | Monoclonal antibody-based enzyme-linked immunosorbent assay for detection of total malachite green and crystal violet residues in fishery products. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 959-969.                   | 1.8 | 18        |
| 76 | Sensitive fluorescent detection of <i>Listeria monocytogenes</i> by combining a universal asymmetric polymerase chain reaction with rolling circle amplification. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 181-187.              | 1.4 | 18        |
| 77 | Magnetic particles as promising circulating tumor cell catchers assisting liquid biopsy in cancer diagnosis: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 145, 116453.  | 5.8 | 18        |
| 78 | Enhanced antimicrobial activity of silver nanoparticles of <i>Lonicera Japonica</i> Thunb combo. <i>IET Nanobiotechnology</i> , 2016, 10, 28-32.  | 1.9 | 17        |
| 79 | Oral exposure of titanium oxide nanoparticles induce ileum physical barrier dysfunction via Th1/Th2 imbalance. <i>Environmental Toxicology</i> , 2020, 35, 982-990.   | 2.1 | 17        |
| 80 | Reproductive organ dysfunction and gene expression after orally administration of ZnO nanoparticles in murine. <i>Environmental Toxicology</i> , 2021, 36, 550-561.   | 2.1 | 17        |
| 81 | Real-time recombinase-aided amplification with improved propidium monoazide for the rapid detection of viable <i>Escherichia coli</i> O157:H7 in milk. <i>Journal of Dairy Science</i> , 2022, 105, 1028-1038.  | 1.4 | 17        |
| 82 | Microplastics-perturbed gut microbiota triggered the testicular disorder in male mice: Via fecal microbiota transplantation. <i>Environmental Pollution</i> , 2022, 309, 119789.  | 3.7 | 17        |
| 83 | Dual-signal amplification strategy: Universal asymmetric tailing-PCR triggered rolling circle amplification assay for fluorescent detection of <i>Cronobacter</i> spp. in milk. <i>Journal of Dairy Science</i> , 2020, 103, 3055-3065.                       | 1.4 | 16        |
| 84 | Simultaneous detection and differentiation of SARS-CoV-2, influenza A virus and influenza B virus by one-step quadruplex real-time RT-PCR in patients with clinical manifestations. <i>International Journal of Infectious Diseases</i> , 2021, 103, 517-524. | 1.5 | 16        |
| 85 | Vancomycin-dendrimer based multivalent magnetic separation nanoplatfoms combined with multiplex quantitative PCR assay for detecting pathogenic bacteria in human blood. <i>Talanta</i> , 2021, 225, 121953.  | 2.9 | 16        |
| 86 | Foodborne TiO <sub>2</sub> Nanoparticles Induced More Severe Hepatotoxicity in Fructose-Induced Metabolic Syndrome Mice via Exacerbating Oxidative Stress-Mediated Intestinal Barrier Damage. <i>Foods</i> , 2021, 10, 986.                                   | 1.9 | 16        |
| 87 | The fluorescent probe-based recombinase-aided amplification for rapid detection of <i>Escherichia coli</i> O157:H7. <i>Molecular and Cellular Probes</i> , 2021, 60, 101777.  | 0.9 | 16        |
| 88 | Survival, distribution, and translocation of <i>Enterococcus faecalis</i> and implications for pregnant mice. <i>FEMS Microbiology Letters</i> , 2013, 349, n/a-n/a.  | 0.7 | 15        |
| 89 | Folic acid-functionalized magnetic nanoprobe via a PAMAM dendrimer/SA-biotin mediated cascade-amplifying system for the efficient enrichment of circulating tumor cells. <i>Biomaterials Science</i> , 2020, 8, 6395-6403.                                    | 2.6 | 15        |
| 90 | Protective effect of the NAC and Sal on zinc oxide nanoparticles-induced reproductive and development toxicity in pregnant mice. <i>Food and Chemical Toxicology</i> , 2020, 143, 111552.   | 1.8 | 15        |



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|-----|--|-----|-----------|
| 91  | Antimicrobial activity of silver nanoparticles synthesized by the leaf extract of <i>Cinnamomum camphora</i> . <i>Biochemical Engineering Journal</i> , 2021, 172, 108050.   | 1.8 | 15        |
| 92  | A novel PEG-mediated boric acid functionalized magnetic nanomaterials based fluorescence biosensor for the detection of <i>Staphylococcus aureus</i> . <i>Microchemical Journal</i> , 2022, 178, 107379.   | 2.3 | 15        |
| 93  | Identification of an outer membrane protein of <i>Salmonella enterica</i> serovar Typhimurium as a potential vaccine candidate for Salmonellosis in mice. <i>Microbes and Infection</i> , 2013, 15, 388-398.   | 1.0 | 14        |
| 94  | Toxic effects of TiO <sub>2</sub> NPs in the blood-milk barrier of the maternal dams and growth of offspring. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111762.   | 2.9 | 14        |
| 95  | Development of an immunomagnetic separation-propidium monoazide-polymerase chain reaction assay with internal amplification control for rapid and sensitive detection of viable <i>Escherichia coli</i> O157:H7 in milk. <i>International Dairy Journal</i> , 2014, 34, 280-286. | 1.5 | 13        |
| 96  | Nano and bulk ZnO trigger diverse Zn-transport-related gene transcription in distinct regions of the small intestine in mice after oral exposure. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1364-1369.   | 1.0 | 12        |
| 97  | Surface modification affect the biodistribution and toxicity characteristics of iron oxide magnetic nanoparticles in rats. <i>IET Nanobiotechnology</i> , 2018, 12, 562-568.   | 1.9 | 12        |
| 98  | Size effects of magnetic beads in circulating tumour cells magnetic capture based on streptavidin-biotin complexation. <i>IET Nanobiotechnology</i> , 2019, 13, 6-11.  | 1.9 | 12        |
| 99  | CdSe/ZnS Quantum Dots Impaired the First Two Generations of Placenta Growth in an Animal Model, Based on the Shh Signaling Pathway. <i>Nanomaterials</i> , 2019, 9, 257.   | 1.9 | 12        |
| 100 | Protective Effect of <i>Lactobacillus rhamnosus</i> GG on TiO <sub>2</sub> Nanoparticles-Induced Oxidative Stress Damage in the Liver of Young Rats. <i>Nanomaterials</i> , 2021, 11, 803.   | 1.9 | 12        |
| 101 | Biomimetic dandelion-like magnetic nanoparticles for capture and detection of <i>S. aureus</i> and <i>L. monocytogenes</i> . <i>Sensors and Actuators B: Chemical</i> , 2022, 355, 131289.   | 4.0 | 12        |
| 102 | Catalytic hairpin assembly combined with graphene oxide for the detection of emetic <i>Bacillus cereus</i> in milk. <i>Journal of Dairy Science</i> , 2019, 102, 4945-4953.  | 1.4 | 11        |
| 103 | Simultaneous detection of <i>Bacillus cereus</i> and <i>Staphylococcus aureus</i> by teicoplanin functionalized magnetic beads combined with triplex PCR. <i>Food Control</i> , 2022, 132, 108531.   | 2.8 | 11        |
| 104 | A sensitive chromatographic strip test for the rapid detection of enrofloxacin in chicken muscle. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012, 29, 1-9.  | 1.1 | 10        |
| 105 | Quantum Dot-Based Immunochromatography Test Strip for Rapid Detection of <i>Campylobacter jejuni</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4552-4559.   | 0.9 | 10        |
| 106 | The PCR-HCR dual signal amplification strategy for ultrasensitive detection of <i>Escherichia coli</i> O157:H7 in milk. <i>LWT - Food Science and Technology</i> , 2020, 130, 109642.  | 2.5 | 10        |
| 107 | Vancomycin-modified poly-L-lysine magnetic separation combined with multiplex polymerase chain reaction assay for efficient detection of <i>Bacillus cereus</i> in milk. <i>Journal of Dairy Science</i> , 2021, 104, 1465-1473.   | 1.4 | 10        |
| 108 | Sensitive dual readout assays based on rolling circle amplification for fluorescent and colorimetric detection of <i>Cronobacter</i> spp. in powdered infant formula. <i>Food Control</i> , 2021, 124, 107840.   | 2.8 | 10        |

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|-----|---|-----|-----------|
| 109 | Inhibition of testosterone synthesis induced by oral TiO <sub>2</sub> NPs is associated with ROS-MAPK(ERK1/2)-StAR signaling pathway in SD rat. <i>Toxicology Research</i> , 2021, 10, 937-946.   | 0.9 | 10        |
| 110 | Triplex PCR combined with magnetic separation strategy for rapid and specific detection of methicillin-resistant <i>Staphylococcus aureus</i> in hospital samples. <i>Microchemical Journal</i> , 2021, 169, 106593.                                    | 2.3 | 10        |
| 111 | TiO <sub>2</sub> NPs induce the reproductive toxicity in mice with gestational diabetes mellitus through the effects on the endoplasmic reticulum stress signaling pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112814.          | 2.9 | 10        |
| 112 | Viable pathogens detection in fresh vegetables by quadruplex PCR. <i>LWT - Food Science and Technology</i> , 2017, 81, 306-313.   | 2.5 | 9         |
| 113 | A fluorescence-positioned hybridization chain reaction system for sensitive detection of <i>Salmonella</i> in milk. <i>Analytical Methods</i> , 2020, 12, 1958-1965.  | 1.3 | 9         |
| 114 | Simultaneous detection of <i>Salmonella</i> spp., <i>Pseudomonas aeruginosa</i> , <i>Bacillus cereus</i> , and <i>Escherichia coli</i> O157:H7 in environmental water using PMA combined with mPCR. <i>Journal of Microbiology</i> , 2020, 58, 668-674. | 1.3 | 9         |
| 115 | Rapid enrichment and detection of <i>Staphylococcus aureus</i> in milk using polyethyleneimine functionalized magnetic nanoparticles. <i>Microchemical Journal</i> , 2022, 178, 107388.   | 2.3 | 9         |
| 116 | Mechanism of enhanced antibacterial activity of ultra-fine ZnO in phosphate buffer solution with various organic acids. <i>Environmental Pollution</i> , 2016, 218, 863-869.  | 3.7 | 8         |
| 117 | Exposure to silver nanoparticles induces immunological dysfunction in pregnant mice. <i>Environmental Toxicology</i> , 2020, 35, 1161-1169.   | 2.1 | 8         |
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