

Hengyi Xu

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138
papers

4,006
citations

35
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59
g-index

152
ext. papers

4,791
ext. citations

5.6
avg, IF

5.62
L-index

#	Paper	IF	Citations
138	Membrane-based lateral flow immunochromatographic strip with nanoparticles as reporters for detection: A review. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 166-80	11.8	302
137	Antibody conjugated magnetic iron oxide nanoparticles for cancer cell separation in fresh whole blood. <i>Biomaterials</i> , 2011 , 32, 9758-65	15.6	275
136	Immunochromatographic assay for ultrasensitive detection of aflatoxin B ₁ in maize by highly luminescent quantum dot beads. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14215-22	9.5	193
135	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	3.4	174
134	Antibacterial activity and mechanism of action of ϵ -poly-L-lysine. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 439, 148-53	3.4	141
133	Triblock copolymer coated iron oxide nanoparticle conjugate for tumor integrin targeting. <i>Biomaterials</i> , 2009 , 30, 6912-9	15.6	134
132	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	4.9	127
131	Novel strategies to enhance lateral flow immunoassay sensitivity for detecting foodborne pathogens. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 745-53	5.7	117
130	Size dependent biodistribution and toxicokinetics of iron oxide magnetic nanoparticles in mice. <i>Nanoscale</i> , 2015 , 7, 625-36	7.7	113
129	Magnetic nano-beads based separation combined with propidium monoazide treatment and multiplex PCR assay for simultaneous detection of viable <i>Salmonella</i> Typhimurium, <i>Escherichia coli</i> O157:H7 and <i>Listeria monocytogenes</i> in food products. <i>Food Microbiology</i> , 2013 , 34, 418-24	6	96
128	Fluorescent Ru(phen) ₃ (2+)-doped silica nanoparticles-based ICTS sensor for quantitative detection of enrofloxacin residues in chicken meat. <i>Analytical Chemistry</i> , 2013 , 85, 5120-8	7.8	91
127	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	4	82
126	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	6.2	72
125	Development of an immunochromatographic assay for rapid and quantitative detection of clenbuterol in swine urine. <i>Food Control</i> , 2013 , 34, 725-732	6.2	69
124	Immunochromatographic assay for quantitative and sensitive detection of hepatitis B virus surface antigen using highly luminescent quantum dot-beads. <i>Talanta</i> , 2015 , 142, 145-9	6.2	67
123	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	12.8	65
122	Gold nanoparticle-based dynamic light scattering immunoassay for ultrasensitive detection of <i>Listeria monocytogenes</i> in lettuces. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 184-90	11.8	64

121	Sensitive Detection of Staphylococcus aureus with Vancomycin-Conjugated Magnetic Beads as Enrichment Carriers Combined with Flow Cytometry. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21464-21472	9.5	58
120	Dual gold nanoparticle lateflow immunoassay for sensitive detection of Escherichia coli O157:H7. <i>Analytica Chimica Acta</i> , 2015 , 876, 71-6	6.6	56
119	Nanospherical Brush as Catalase Container for Enhancing the Detection Sensitivity of Competitive Plasmonic ELISA. <i>Analytical Chemistry</i> , 2016 , 88, 1951-8	7.8	54
118	Plasmonic Enzyme-Linked Immunosorbent Assay Using Nanospherical Brushes as a Catalase Container for Colorimetric Detection of Ultralow Concentrations of Listeria monocytogenes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28632-9	9.5	53
117	Ultrasensitive fluorescence immunoassay for detection of ochratoxin A using catalase-mediated fluorescence quenching of CdTe QDs. <i>Nanoscale</i> , 2016 , 8, 9390-7	7.7	52
116	Rapid and accurate detection of viable Escherichia coli 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	6.2	45
115	Ru(phen) ₃ (2+) doped silica nanoparticle based immunochromatographic strip for rapid quantitative detection of Ergonist residues in swine urine. <i>Talanta</i> , 2013 , 114, 160-6	6.2	44
114	In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice. <i>Journal of Dairy Science</i> , 2015 , 98, 5850-61	4	43
113	Development of a rapid and sensitive quantum dot-based immunochromatographic strip by double labeling PCR products for detection of Staphylococcus aureus in food. <i>Food Control</i> , 2014 , 46, 225-232	6.2	43
112	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, 159-66	7.4	42
111	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	12.8	41
110	Vancomycin modified PEGylated-magnetic nanoparticles combined with PCR for efficient enrichment and detection of Listeria monocytogenes. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 546-555	8.5	40
109	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 & Interfaces</i> , 2018 , 10, 14055-14062	9.5	39
108	Biotin-exposure-based immunomagnetic separation coupled with nucleic acid lateral flow biosensor for visibly detecting viable Listeria monocytogenes. <i>Analytica Chimica Acta</i> , 2018 , 1017, 48-56	6.6	37
107	Effect of skim milk coated inulin-alginate encapsulation beads on viability and gene expression of Lactobacillus plantarum during freeze-drying. <i>LWT - Food Science and Technology</i> , 2016 , 68, 8-13	5.4	37
106	Detection of non-emetic and emetic Bacillus cereus by propidium monoazide multiplex PCR (PMA-mPCR) with internal amplification control. <i>Food Control</i> , 2014 , 35, 401-406	6.2	37
105	Multiplex PCR coupled with propidium monoazide for the detection of viable Cronobacter sakazakii, Bacillus cereus, and Salmonella spp. in milk and milk products. <i>Journal of Dairy Science</i> , 2017 , 100, 7874-7882	4	36
104	Propidium monoazide combined with real-time PCR for selective detection of viable Staphylococcus aureus in milk powder and meat products. <i>Journal of Dairy Science</i> , 2015 , 98, 1625-33	4	35

103	Application and development of superparamagnetic nanoparticles in sample pretreatment and immunochromatographic assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 114, 151-170	14.6	34
102	Safety assessment and probiotic evaluation of <i>Enterococcus faecium</i> YF5 isolated from sourdough. <i>Journal of Food Science</i> , 2013 , 78, M587-93	3.4	33
101	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	4	32
100	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	4	30
99	Sulfonated polystyrene magnetic nanobeads coupled with immunochromatographic strip for clenbuterol determination in pork muscle. <i>Talanta</i> , 2014 , 129, 431-7	6.2	29
98	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	6.2	29
97	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	6.2	27
96	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	4	27
95	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	8.5	27
94	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	8.5	26
93	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	5.4	25
92	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	3.8	25
91	ZnO Nanoparticles Induced Male Reproductive Toxicity Based on the Effects on the Endoplasmic Reticulum Stress Signaling Pathway. <i>International Journal of Nanomedicine</i> , 2019 , 14, 9563-9576	7.3	25
90	A fluorescent cascade amplification method for sensitive detection of <i>Salmonella</i> based on magnetic Fe ₃ O ₄ nanoparticles and hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2019 , 279, 31-37	8.5	25
89	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	4	24
88	Quantum dots cause acute systemic toxicity in lactating rats and growth restriction of offspring. <i>Nanoscale</i> , 2018 , 10, 11564-11577	7.7	24
87	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, 1563-70	4	23
86	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	8.5	21

85	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	8.5	21
84	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	6.2	21
83	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, 256-64	4.3	20
82	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	6.2	19
81	Nanobeads-based rapid magnetic solid phase extraction of trace amounts of leuco-malachite green in Chinese major carps. <i>Talanta</i> , 2012 , 97, 336-42	6.2	18
80	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	8.5	18
79	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	4	17
78	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	8.5	16
77	Detection of <i>Cronobacter</i> species in powdered infant formula by probe-magnetic separation PCR. <i>Journal of Dairy Science</i> , 2014 , 97, 6067-75	4	15
76	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	4	14
75	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	6.2	13
74	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	3.3	13
73	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	3.5	13
72	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	13
71	Nano Zinc Oxide Induced Fetal Mice Growth Restriction, Based on Oxide Stress and Endoplasmic Reticulum Stress. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
70	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. <i>Biosensors and Bioelectronics</i> , 2019 , 145, 111563	11.8	12
69	Survival, distribution, and translocation of <i>Enterococcus faecalis</i> and implications for pregnant mice. <i>FEMS Microbiology Letters</i> , 2013 , 349, 32-9	2.9	11
68	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	3.5	10

67	Enhanced antimicrobial activity of silver nanoparticles-Lonicera Japonica Thunb combo. <i>IET Nanobiotechnology</i> , 2016 , 10, 28-32	2	10
66	Surface modification affect the biodistribution and toxicity characteristics of iron oxide magnetic nanoparticles in rats. <i>IET Nanobiotechnology</i> , 2018 , 12, 562-568	2	10
65	Restraining the TiO nanoparticles-induced intestinal inflammation mediated by gut microbiota in juvenile rats via ingestion of Lactobacillus rhamnosus GG. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 206, 111393	7	10
64	Recombinase aided amplification with photoreactive DNA-binding dye for rapid detection of viable Staphylococcus aureus. <i>LWT - Food Science and Technology</i> , 2021 , 135, 110249	5.4	10
63	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	3.4	9
62	Dual-signal amplification strategy: Universal asymmetric tailing-PCR triggered rolling circle amplification assay for fluorescent detection of Cronobacter spp. in milk. <i>Journal of Dairy Science</i> , 2020 , 103, 3055-3065	4	9
61	Oral exposure of titanium oxide nanoparticles induce ileum physical barrier dysfunction via Th1/Th2 imbalance. <i>Environmental Toxicology</i> , 2020 , 35, 982-990	4.2	9
60	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	7.3	9
59	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,	5.4	9
58	Identification of an outer membrane protein of Salmonella enterica serovar Typhimurium as a potential vaccine candidate for Salmonellosis in mice. <i>Microbes and Infection</i> , 2013 , 15, 388-98	9.3	8
57	Quantum dot-based immunochromatography test strip for rapid detection of Campylobacter jejuni. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 4552-9	1.3	8
56	A fluorescence-positioned hybridization chain reaction system for sensitive detection of Salmonella in milk. <i>Analytical Methods</i> , 2020 , 12, 1958-1965	3.2	7
55	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	7.4	7
54	Reproductive organ dysfunction and gene expression after orally administration of ZnO nanoparticles in murine. <i>Environmental Toxicology</i> , 2021 , 36, 550-561	4.2	7
53	Toxic effects of TiO NPs in the blood-milk barrier of the maternal dams and growth of offspring. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111762	7	7
52	Viable pathogens detection in fresh vegetables by quadruplex PCR. <i>LWT - Food Science and Technology</i> , 2017 , 81, 306-313	5.4	6
51	Size effects of magnetic beads in circulating tumour cells magnetic capture based on streptavidin-biotin complexation. <i>IET Nanobiotechnology</i> , 2019 , 13, 6-11	2	6
50	Catalytic hairpin assembly combined with graphene oxide for the detection of emetic Bacillus cereus in milk. <i>Journal of Dairy Science</i> , 2019 , 102, 4945-4953	4	6

49	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	9.3	6
48	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, 383-91	3.2	6
47	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	6.2	6
46	Vancomycin-modified poly-l-lysine magnetic separation combined with multiplex polymerase chain reaction assay for efficient detection of Bacillus cereus in milk. <i>Journal of Dairy Science</i> , 2021 , 104, 1465-1473	4.73	6
45	The PCR-HCR dual signal amplification strategy for ultrasensitive detection of Escherichia coli O157:H7 in milk. <i>LWT - Food Science and Technology</i> , 2020 , 130, 109642	5.4	5
44	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	4.7	5
43	Synergistic in vitro and in vivo antimicrobial effect of a mixture of ZnO nanoparticles and Lactobacillus fermentation liquor. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 3757-66	5.7	5
42	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	14.6	5
41	Effects of pH and temperature on antibacterial activity of silver nanoparticles 2010 ,		4
40	Sensitive dual readout assays based on rolling circle amplification for fluorescent and colorimetric detection of Cronobacter spp. in powdered infant formula. <i>Food Control</i> , 2021 , 124, 107840	6.2	4
39	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	10.5	4
38	Antimicrobial activity of silver nanoparticles synthesized by the leaf extract of Cinnamomum camphora. <i>Biochemical Engineering Journal</i> , 2021 , 172, 108050	4.2	4
37	GG Ameliorated Long-Term Exposure to TiO 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	5.7	4
36	Effects of QDs exposure on the reproductive and embryonic developmental toxicity in mice at various pregnancy stages. <i>Toxicology Research</i> , 2020 , 9, 371-378	2.6	3
35	Simultaneous detection of Salmonella spp., Pseudomonas aeruginosa, Bacillus cereus, and Escherichia coli O157:H7 in environmental water using PMA combined with mPCR. <i>Journal of Microbiology</i> , 2020 , 58, 668-674	3	3
34	Determination of Benzodiazepines in Beef by Magnetic Solid Phase Extraction and High-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Letters</i> , 2016 , 49, 499-510	2.2	3
33	Quantitative detection of viable Escherichia coli O157:H7 using a photoreactive DNA-binding dye propidium monoazide in irrigation water. <i>Biochemical Engineering Journal</i> , 2019 , 151, 107354	4.2	3
32	An integrated system using phenylboronic acid functionalized magnetic beads and colorimetric detection for Staphylococcus aureus. <i>Food Control</i> , 2021 , 133, 108633	6.2	3

31	Foodborne TiO Nanoparticles Induced More Severe Hepatotoxicity in Fructose-Induced Metabolic Syndrome Mice via Exacerbating Oxidative Stress-Mediated Intestinal Barrier Damage. <i>Foods</i> , 2021 , 10,	4.9	3
30	The effect of reproductive toxicity induced by ZnO NPs in mice during early pregnancy through mitochondrial apoptotic pathway. <i>Environmental Toxicology</i> , 2021 , 36, 1143-1151	4.2	3
29	Triplex PCR combined with magnetic separation strategy for rapid and specific detection of methicillin-resistant Staphylococcus aureus in hospital samples. <i>Microchemical Journal</i> , 2021 , 169, 106593	4.8	3
28	Oral Exposure to ZnO Nanoparticles Disrupt the Structure of Bone in Young Rats via the OPG/RANK/RANKL/IGF-1 Pathway. <i>International Journal of Nanomedicine</i> , 2020 , 15, 9657-9668	7.3	2
27	Exposure to silver nanoparticles induces immunological dysfunction in pregnant mice. <i>Environmental Toxicology</i> , 2020 , 35, 1161-1169	4.2	2
26	Isolation of swine-derived Lactobacillus plantarum and its synergistic antimicrobial and health-promoting properties with ZnO nanoparticles. <i>Journal of Applied Microbiology</i> , 2020 , 128, 1764-1775	4.7	2
25	Fluorescence detection of Staphylococcus aureus using vancomycin functionalized magnetic beads combined with rolling circle amplification in fruit juice. <i>Analytica Chimica Acta</i> , 2022 , 1189, 339213	6.6	2
24	The fluorescent probe-based recombinase-aided amplification for rapid detection of Escherichia coli O157:H7. <i>Molecular and Cellular Probes</i> , 2021 , 60, 101777	3.3	2
23	Protective Effect of GG on TiO Nanoparticles-Induced Oxidative Stress Damage in the Liver of Young Rats. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
22	Streptavidin-exposed magnetic nanoparticles for lectin magnetic separation (LMS) of Staphylococcus aureus prior to three quantification strategies. <i>Mikrochimica Acta</i> , 2019 , 186, 813	5.8	2
21	Transcriptomic Profiling of Human Placental Trophoblasts in Response to Infection with Enterococcus faecalis. <i>Journal of Food Quality</i> , 2018 , 2018, 1-11	2.7	2
20	Poly-L-lysine-functionalized magnetic beads combined with polymerase chain reaction for the detection of Staphylococcus aureus and Escherichia coli O157:H7 in milk. <i>Journal of Dairy Science</i> , 2021 , 104, 12342-12352	4	2
19	TiO 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	7	2
18	Simultaneous detection of Bacillus cereus and Staphylococcus aureus by teicoplanin functionalized magnetic beads combined with triplex PCR. <i>Food Control</i> , 2022 , 132, 108531	6.2	2
17	A novel PEG-mediated boric acid functionalized magnetic nanomaterials based fluorescence biosensor for the detection of Staphylococcus aureus. <i>Microchemical Journal</i> , 2022 , 178, 107379	4.8	2
16	Biomimetic dandelion-like magnetic nanoparticles for capture and detection of S. aureus and L. monocytogenes. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131289	8.5	1
15	Inhibition of testosterone synthesis induced by oral TiO NPs is associated with ROS-MAPK(ERK1/2)-StAR signaling pathway in SD rat. <i>Toxicology Research</i> , 2021 , 10, 937-946	2.6	1
14	A simple and sensitive aptasensor with rolling circle amplification for viable Cronobacter sakazakii detection in powdered infant formula. <i>Journal of Dairy Science</i> , 2021 , 104, 12365-12374	4	1

13	Detection of <i>Listeria monocytogenes</i> based on teicoplanin functionalized magnetic beads combined with fluorescence assay. <i>Microchemical Journal</i> , 2021 , 171, 106842	4.8	1
12	PMAxx Combined with Recombinase Aided Amplification Technique for Specific and Rapid Detection of <i>Salmonella</i> in Milk. <i>Food Analytical Methods</i> ,1	3.4	1
11	Rapid enrichment and detection of <i>Staphylococcus aureus</i> in milk using polyethyleneimine functionalized magnetic nanoparticles. <i>Microchemical Journal</i> , 2022 , 178, 107388	4.8	1
10	Anatase and Rutile TiO Nanoparticles Lead Effective Bone Damage in Young Rat Model via the IGF-1 Signaling Pathway. <i>International Journal of Nanomedicine</i> , 2021 , 16, 7233-7247	7.3	0
9	Novel Epolylysine/polyethyleneimine -coated Ag nanoparticles for in vitro treatment of <i>Pseudomonas aeruginosa</i> . <i>Biochemical Engineering Journal</i> , 2021 , 168, 107937	4.2	0
8	Antibiotic-Based Magnetic Nanoprobes Combined with mPCR for Simultaneous Detection of <i>Staphylococcus aureus</i> and <i>Bacillus cereus</i> . <i>Food Analytical Methods</i> , 2021 , 14, 1964-1976	3.4	0
7	Rapid and sensitive detection of <i>Salmonella</i> in milk based on hybridization chain reaction and graphene oxide fluorescence platform. <i>Journal of Dairy Science</i> , 2021 , 104, 12295-12302	4	0
6	A Dual-Recognition Strategy for <i>Staphylococcus aureus</i> Detection Using Teicoplanin-Modified Magnetic Nanoparticles and IgG-Functionalized Quantum Dots. <i>Food Analytical Methods</i> ,1	3.4	0
5	Hybrid RCA-DLS assay combined with aPCR for sensitive <i>Salmonella enteritidis</i> detection.. <i>Analytical Biochemistry</i> , 2022 , 114647	3.1	0
4	Detection of fumonisin B1 by aptamer-functionalized magnetic beads and ultra-performance liquid chromatography. <i>Microchemical Journal</i> , 2022 , 178, 107346	4.8	0
3	Blocker-tailed PCR coupled with rolling circle amplification for fluorescent detection of emetic <i>Bacillus cereus</i> in milk. <i>LWT - Food Science and Technology</i> , 2022 , 113462	5.4	0
2	Development of semiconductor nanomaterial whole cell imaging sensor on glass slides. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 1013-24	1.6	
1	Elimination of Quantum Dots Cell Uptake. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1236, 1		