

# Hengyi Xu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7399846/hengyi-xu-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138  
papers

4,006  
citations

35  
h-index

59  
g-index

152  
ext. papers

4,791  
ext. citations

5.6  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
138	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> , <b>2022</b> , 355, 131289	8.5	1
137	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> , <b>2022</b> , 1189, 339213	6.6	2
136	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> , <b>2022</b> , 132, 108531	6.2	2
135	Hybrid RCA-DLS assay combined with aPCR for sensitive <i>Salmonella enteritidis</i> detection.. <i>Analytical Biochemistry</i> , <b>2022</b> , 114647	3.1	0
134	A novel PEG-mediated boric acid functionalized magnetic nanomaterials based fluorescence biosensor for the detection of <i>Staphylococcus aureus</i> . <i>Microchemical Journal</i> , <b>2022</b> , 178, 107379	4.8	2
133	Rapid enrichment and detection of <i>Staphylococcus aureus</i> in milk using polyethyleneimine functionalized magnetic nanoparticles. <i>Microchemical Journal</i> , <b>2022</b> , 178, 107388	4.8	1
132	Detection of fumonisin B1 by aptamer-functionalized magnetic beads and ultra-performance liquid chromatography. <i>Microchemical Journal</i> , <b>2022</b> , 178, 107346	4.8	0
131	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> , <b>2022</b> , 113462	5.4	0
130	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> , <b>2021</b> , 16, 7233-7247	7.3	0
129	An integrated system using phenylboronic acid functionalized magnetic beads and colorimetric detection for <i>Staphylococcus aureus</i> . <i>Food Control</i> , <b>2021</b> , 133, 108633	6.2	3
128	Magnetic particles as promising circulating tumor cell catchers assisting liquid biopsy in cancer diagnosis: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 145, 116453	14.6	5
127	The fluorescent probe-based recombinase-aided amplification for rapid detection of <i>Escherichia coli</i> O157:H7. <i>Molecular and Cellular Probes</i> , <b>2021</b> , 60, 101777	3.3	2
126	Protective Effect of GG on TiO Nanoparticles-Induced Oxidative Stress Damage in the Liver of Young Rats. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
125	Vancomycin-dendrimer based multivalent magnetic separation nanoplatforms combined with multiplex quantitative PCR assay for detecting pathogenic bacteria in human blood. <i>Talanta</i> , <b>2021</b> , 225, 121953	6.2	6
124	Foodborne TiO Nanoparticles Induced More Severe Hepatotoxicity in Fructose-Induced Metabolic Syndrome Mice via Exacerbating Oxidative Stress-Mediated Intestinal Barrier Damage. <i>Foods</i> , <b>2021</b> , 10,	4.9	3
123	Novel $\epsilon$ -polylysine/polyethyleneimine -coated Ag nanoparticles for in vitro treatment of <i>Pseudomonas aeruginosa</i> . <i>Biochemical Engineering Journal</i> , <b>2021</b> , 168, 107937	4.2	0
122	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> , <b>2021</b> , 14, 1964-1976	3.4	0

121	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> , <b>2021</b> , 124, 107840	6.2	4
120	Recombinase aided amplification with photoreactive DNA-binding dye for rapid detection of viable Staphylococcus aureus. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 135, 110249	5.4	10
119	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> , <b>2021</b> , 104, 1465-1473	4.473	6
118	Reproductive organ dysfunction and gene expression after orally administration of ZnO nanoparticles in murine. <i>Environmental Toxicology</i> , <b>2021</b> , 36, 550-561	4.2	7
117	Toxic effects of TiO NPs in the blood-milk barrier of the maternal dams and growth of offspring. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111762	7	7
116	The effect of reproductive toxicity induced by ZnO NPs in mice during early pregnancy through mitochondrial apoptotic pathway. <i>Environmental Toxicology</i> , <b>2021</b> , 36, 1143-1151	4.2	3
115	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> , <b>2021</b> , 103, 517-524	10.5	4
114	Antimicrobial activity of silver nanoparticles synthesized by the leaf extract of Cinnamomum camphora. <i>Biochemical Engineering Journal</i> , <b>2021</b> , 172, 108050	4.2	4
113	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> , <b>2021</b> , 69, 9788-9799	5.7	4
112	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> , <b>2021</b> , 10, 937-946	2.6	1
111	Rapid and sensitive detection of Salmonella in milk based on hybridization chain reaction and graphene oxide fluorescence platform. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 12295-12302	4	0
110	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> , <b>2021</b> , 104, 12342-12352	4	2
109	A simple and sensitive aptasensor with rolling circle amplification for viable Cronobacter sakazakii detection in powdered infant formula. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 12365-12374	4	1
108	Detection of Listeria monocytogenes based on teicoplanin functionalized magnetic beads combined with fluorescence assay. <i>Microchemical Journal</i> , <b>2021</b> , 171, 106842	4.8	1
107	Triplex PCR combined with magnetic separation strategy for rapid and specific detection of methicillin-resistant Staphylococcus aureus in hospital samples. <i>Microchemical Journal</i> , <b>2021</b> , 169, 106593	4.8	3
106	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> , <b>2021</b> , 226, 112814	7	2
105	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> , <b>2020</b> , 15, 9657-9668	7.3	2
104	The PCR-HCR dual signal amplification strategy for ultrasensitive detection of Escherichia coli O157:H7 in milk. <i>LWT - Food Science and Technology</i> , <b>2020</b> , 130, 109642	5.4	5

103	Exposure to silver nanoparticles induces immunological dysfunction in pregnant mice. <i>Environmental Toxicology</i> , <b>2020</b> , 35, 1161-1169	4.2	2
102	Effects of QDs exposure on the reproductive and embryonic developmental toxicity in mice at various pregnancy stages. <i>Toxicology Research</i> , <b>2020</b> , 9, 371-378	2.6	3
101	A fluorescence-positioned hybridization chain reaction system for sensitive detection of Salmonella in milk. <i>Analytical Methods</i> , <b>2020</b> , 12, 1958-1965	3.2	7
100	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> , <b>2020</b> , 58, 668-674	3	3
99	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> , <b>2020</b> , 143, 111552	4.7	5
98	Isolation of swine-derived Lactobacillus plantarum and its synergistic antimicrobial and health-promoting properties with ZnO nanoparticles. <i>Journal of Applied Microbiology</i> , <b>2020</b> , 128, 1764-1775	4.7	2
97	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> , <b>2020</b> , 103, 3055-3065	4	9
96	Nano Zinc Oxide Induced Fetal Mice Growth Restriction, Based on Oxide Stress and Endoplasmic Reticulum Stress. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	12
95	Oral exposure of titanium oxide nanoparticles induce ileum physical barrier dysfunction via Th1/Th2 imbalance. <i>Environmental Toxicology</i> , <b>2020</b> , 35, 982-990	4.2	9
94	Ultrahigh-sensitivity label-free optical fiber biosensor based on a tapered singlemode- no core-singlemode coupler for Staphylococcus aureus detection. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 320, 128283	8.5	16
93	Nondestructive capture, release, and detection of circulating tumor cells with cystamine-mediated folic acid decorated magnetic nanospheres. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 9971-9979	7.3	9
92	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> , <b>2020</b> , 206, 111393	7	10
91	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> , <b>2020</b> , 8, 6395-6403	7.4	7
90	A competitive enzyme linked aptasensor with rolling circle amplification (ELARCA) assay for colorimetric detection of Listeria monocytogenes. <i>Food Control</i> , <b>2020</b> , 107, 106806	6.2	19
89	Invited review: Advancements in lateral flow immunoassays for screening hazardous substances in milk and milk powder. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 1887-1900	4	17
88	Size effects of magnetic beads in circulating tumour cells magnetic capture based on streptavidin-biotin complexation. <i>IET Nanobiotechnology</i> , <b>2019</b> , 13, 6-11	2	6
87	Sensitive fluorescent detection of Listeria monocytogenes by combining a universal asymmetric polymerase chain reaction with rolling circle amplification. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 169, 181-187	3.5	10
86	Application and development of superparamagnetic nanoparticles in sample pretreatment and immunochromatographic assay. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 114, 151-170	14.6	34

85	Catalytic hairpin assembly combined with graphene oxide for the detection of emetic <i>Bacillus cereus</i> in milk. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 4945-4953	4	6
84	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> , <b>2019</b> , 102, 2954-2965	4	14
83	Quantitative detection of viable <i>Escherichia coli</i> O157:H7 using a photoreactive DNA-binding dye propidium monoazide in irrigation water. <i>Biochemical Engineering Journal</i> , <b>2019</b> , 151, 107354	4.2	3
82	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 145, 111563	11.8	12
81	Rapid and quantitative detection of viable emetic <i>Bacillus cereus</i> by PMA-qPCR assay in milk. <i>Molecular and Cellular Probes</i> , <b>2019</b> , 47, 101437	3.3	13
80	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> , <b>2019</b> , 9,	5.4	9
79	Streptavidin-exposed magnetic nanoparticles for lectin magnetic separation (LMS) of <i>Staphylococcus aureus</i> prior to three quantification strategies. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 813	5.8	2
78	ZnO Nanoparticles Induced Male Reproductive Toxicity Based on the Effects on the Endoplasmic Reticulum Stress Signaling Pathway. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 9563-9576	7.3	25
77	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> , <b>2019</b> , 279, 31-37	8.5	25
76	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> , <b>2019</b> , 279, 87-94	8.5	18
75	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> , <b>2018</b> , 1017, 48-56	6.6	37
74	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> , <b>2018</b> , 262, 611-618	8.5	26
73	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> , <b>2018</b> , 10, 14055-14062	9.5	39
72	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> , <b>2018</b> , 257, 286-294	8.5	21
71	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> , <b>2018</b> , 256, 624-631	8.5	21
70	Surface modification affect the biodistribution and toxicity characteristics of iron oxide magnetic nanoparticles in rats. <i>IET Nanobiotechnology</i> , <b>2018</b> , 12, 562-568	2	10
69	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> , <b>2018</b> , 255, 1455-1461	8.5	27
68	Quantum dots cause acute systemic toxicity in lactating rats and growth restriction of offspring. <i>Nanoscale</i> , <b>2018</b> , 10, 11564-11577	7.7	24

67	Transcriptomic Profiling of Human Placental Trophoblasts in Response to Infection with <i>Enterococcus faecalis</i> . <i>Journal of Food Quality</i> , <b>2018</b> , 2018, 1-11	2.7	2
66	Comparisons of the biodistribution and toxicological examinations after repeated intravenous administration of silver and gold nanoparticles in mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 3303	4.9	127
65	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> , <b>2017</b> , 9, 21464-21472	9.5	58
64	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> , <b>2017</b> , 247, 546-555	8.5	40
63	Viable pathogens detection in fresh vegetables by quadruplex PCR. <i>LWT - Food Science and Technology</i> , <b>2017</b> , 81, 306-313	5.4	6
62	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> , <b>2017</b> , 493, 1364-1369	3.4	9
61	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> , <b>2017</b> , 100, 7874-7882	4	36
60	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> , <b>2017</b> , 100, 7883-7890	4	30
59	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> , <b>2017</b> , 73, 587-594	6.2	29
58	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> , <b>2017</b> , 100, 8804-8813	4	32
57	Folic acid conjugated magnetic iron oxide nanoparticles for nondestructive separation and detection of ovarian cancer cells from whole blood. <i>Biomaterials Science</i> , <b>2016</b> , 4, 159-66	7.4	42
56	Membrane-based lateral flow immunochromatographic strip with nanoparticles as reporters for detection: A review. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 75, 166-80	11.8	302
55	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> , <b>2016</b> , 59, 601-608	6.2	72
54	Mechanism of enhanced antibacterial activity of ultra-fine ZnO in phosphate buffer solution with various organic acids. <i>Environmental Pollution</i> , <b>2016</b> , 218, 863-869	9.3	6
53	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> , <b>2016</b> , 74, 176-182	5.4	25
52	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> , <b>2016</b> , 99, 9550-9559	4	24
51	Acute toxicity of quantum dots on late pregnancy mice: Effects of nanoscale size and surface coating. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 318, 61-69	12.8	41
50	Size dependent effect of ZnO nanoparticles on endoplasmic reticulum stress signaling pathway in murine liver. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 317, 119-126	12.8	65



49	Nanospherical Brush as Catalase Container for Enhancing the Detection Sensitivity of Competitive Plasmonic ELISA. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1951-8	7.8	54
48	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> , <b>2016</b> , 68, 8-13	5.4	37
47	Distribution and expression of the enterotoxin genes of <i>Bacillus cereus</i> in food products from Jiangxi Province, China. <i>Food Control</i> , <b>2016</b> , 67, 155-162	6.2	13
46	Synergistic in vitro and in vivo antimicrobial effect of a mixture of ZnO nanoparticles and <i>Lactobacillus</i> fermentation liquor. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 3757-66	5.7	5
45	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> , <b>2016</b> , 99, 1047-1055	4	27
44	Determination of Benzodiazepines in Beef by Magnetic Solid Phase Extraction and High-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Analytical Letters</i> , <b>2016</b> , 49, 499-510	2.2	3
43	Enhanced antimicrobial activity of silver nanoparticles- <i>Lonicera Japonica</i> Thunb combo. <i>IET Nanobiotechnology</i> , <b>2016</b> , 10, 28-32	2	10
42	Ultrasensitive fluorescence immunoassay for detection of ochratoxin A using catalase-mediated fluorescence quenching of CdTe QDs. <i>Nanoscale</i> , <b>2016</b> , 8, 9390-7	7.7	52
41	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> , <b>2015</b> , 98, 5850-61	4	43
40	Dual gold nanoparticle lateflow immunoassay for sensitive detection of <i>Escherichia coli</i> O157:H7. <i>Analytica Chimica Acta</i> , <b>2015</b> , 876, 71-6	6.6	56
39	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> , <b>2015</b> , 57, 314-320	6.2	27
38	Gold nanoparticle-based dynamic light scattering immunoassay for ultrasensitive detection of <i>Listeria monocytogenes</i> in lettuces. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 184-90	11.8	64
37	Size dependent biodistribution and toxicokinetics of iron oxide magnetic nanoparticles in mice. <i>Nanoscale</i> , <b>2015</b> , 7, 625-36	7.7	113
36	Immuno-chromatographic assay for quantitative and sensitive detection of hepatitis B virus surface antigen using highly luminescent quantum dot-beads. <i>Talanta</i> , <b>2015</b> , 142, 145-9	6.2	67
35	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> , <b>2015</b> , 7, 28632-9	9.5	53
34	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> , <b>2015</b> , 98, 1563-70	4	23
33	Novel strategies to enhance lateral flow immunoassay sensitivity for detecting foodborne pathogens. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 745-53	5.7	117
32	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> , <b>2015</b> , 98, 1625-33	4	35

31	Sulfonated polystyrene magnetic nanobeads coupled with immunochromatographic strip for clenbuterol determination in pork muscle. <i>Talanta</i> , <b>2014</b> , 129, 431-7	6.2	29
30	Detection of Cronobacter species in powdered infant formula by probe-magnetic separation PCR. <i>Journal of Dairy Science</i> , <b>2014</b> , 97, 6067-75	4	15
29	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> , <b>2014</b> , 6, 14215-22	9.5	193
28	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> , <b>2014</b> , 36, 119-125	6.2	45
27	Detection of non-emetic and emetic Bacillus cereus by propidium monoazide multiplex PCR (PMA-mPCR) with internal amplification control. <i>Food Control</i> , <b>2014</b> , 35, 401-406	6.2	37
26	Development of an immunomagnetic separation-propidium monoazide-polymerase chain reaction assay with internal amplification control for rapid and sensitive detection of viable Escherichia coli O157:H7 in milk. <i>International Dairy Journal</i> , <b>2014</b> , 34, 280-286	3.5	13
25	The beneficial effect of exopolysaccharides from Bifidobacterium bifidum WBIN03 on microbial diversity in mouse intestine. <i>Journal of the Science of Food and Agriculture</i> , <b>2014</b> , 94, 256-64	4.3	20
24	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> , <b>2014</b> , 46, 225-232	6.2	43
23	Antibacterial activity and mechanism of action of poly-L-lysine. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 439, 148-53	3.4	141
22	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> , <b>2013</b> , 93, 959-969	1.8	13
21	Ru(phen) <sub>3</sub> (2+) doped silica nanoparticle based immunochromatographic strip for rapid quantitative detection of agonist residues in swine urine. <i>Talanta</i> , <b>2013</b> , 114, 160-6	6.2	44
20	Development of an immunochromatographic assay for rapid and quantitative detection of clenbuterol in swine urine. <i>Food Control</i> , <b>2013</b> , 34, 725-732	6.2	69
19	Magnetic nano-beads based separation combined with propidium monoazide treatment and multiplex PCR assay for simultaneous detection of viable Salmonella Typhimurium, Escherichia coli O157:H7 and Listeria monocytogenes in food products. <i>Food Microbiology</i> , <b>2013</b> , 34, 418-24	6	96
18	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> , <b>2013</b> , 15, 388-98	9.3	8
17	Fluorescent Ru(phen) <sub>3</sub> (2+)-doped silica nanoparticles-based ICTS sensor for quantitative detection of enrofloxacin residues in chicken meat. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 5120-8	7.8	91
16	Quantum dot-based immunochromatography test strip for rapid detection of Campylobacter jejuni. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 4552-9	1.3	8
15	Safety assessment and probiotic evaluation of Enterococcus faecium YF5 isolated from sourdough. <i>Journal of Food Science</i> , <b>2013</b> , 78, M587-93	3.4	33
14	Survival, distribution, and translocation of Enterococcus faecalis and implications for pregnant mice. <i>FEMS Microbiology Letters</i> , <b>2013</b> , 349, 32-9	2.9	11



13	Role of reactive oxygen species in the antibacterial mechanism of silver nanoparticles on Escherichia coli O157:H7. <i>BioMetals</i> , <b>2012</b> , 25, 45-53	3.4	174
12	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> , <b>2012</b> , 47, 2460-2467	3.8	25
11	Nanobeads-based rapid magnetic solid phase extraction of trace amounts of leuco-malachite green in Chinese major carps. <i>Talanta</i> , <b>2012</b> , 97, 336-42	6.2	18
10	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> , <b>2012</b> , 28, 456-462	6.2	21
9	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> , <b>2012</b> , 29, 383-91	3.2	6
8	Development of semiconductor nanomaterial whole cell imaging sensor on glass slides. <i>Frontiers in Bioscience - Elite</i> , <b>2011</b> , 3, 1013-24	1.6	
7	Antibody conjugated magnetic iron oxide nanoparticles for cancer cell separation in fresh whole blood. <i>Biomaterials</i> , <b>2011</b> , 32, 9758-65	15.6	275
6	Effects of pH and temperature on antibacterial activity of silver nanoparticles <b>2010</b> ,		4
5	Elimination of Quantum Dots Cell Uptake. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1236, 1		
4	Triblock copolymer coated iron oxide nanoparticle conjugate for tumor integrin targeting. <i>Biomaterials</i> , <b>2009</b> , 30, 6912-9	15.6	134
3	Development of Receptor Targeted Magnetic Iron Oxide Nanoparticles for Efficient Drug Delivery and Tumor Imaging. <i>Journal of Biomedical Nanotechnology</i> , <b>2008</b> , 4, 439-449	4	82
2	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
1	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