Wentao Xu

List of Publications by Year in descending order

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244	6,189	70961	133063
papers	citations	41 h-index	59 g-index

246	246	246	6491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antioxidant activity of a water-soluble polysaccharide purified from Pteridium aquilinum. Carbohydrate Research, 2009, 344, 217-222.	1.1	168
2	Recent Advances in Biosensors for Detecting Cancer-Derived Exosomes. Trends in Biotechnology, 2019, 37, 1236-1254.	4.9	155
3	Aptasensor based on fluorophore-quencher nano-pair and smartphone spectrum reader for on-site quantification of multi-pesticides. Biosensors and Bioelectronics, 2018, 117, 75-83.	5.3	137
4	Functional Nucleic Acid Nanomaterials: Development, Properties, and Applications. Angewandte Chemie - International Edition, 2021, 60, 6890-6918.	7.2	122
5	Aflatoxin B1-induced epigenetic alterations: An overview. Food and Chemical Toxicology, 2017, 109, 683-689.	1.8	114
6	Recent advances in nanomaterials-based electrochemical (bio)sensors for pesticides detection. TrAC - Trends in Analytical Chemistry, 2020, 132, 116041.	5.8	113
7	Point-of-care and visual detection of P. aeruginosa and its toxin genes by multiple LAMP and lateral flow nucleic acid biosensor. Biosensors and Bioelectronics, 2016, 81, 317-323.	5.3	109
8	Zinc protects HepG2 cells against the oxidative damage and DNA damage induced by ochratoxin A. Toxicology and Applied Pharmacology, 2013, 268, 123-131.	1.3	94
9	Red Ginseng and Semen Coicis can improve the structure of gut microbiota and relieve the symptoms of ulcerative colitis. Journal of Ethnopharmacology, 2015, 162, 7-13.	2.0	90
10	Antibacterial effect of Grapefruit Seed Extract on food-borne pathogens and its application in the preservation of minimally processed vegetables. Postharvest Biology and Technology, 2007, 45, 126-133.	2.9	88
11	Au@Pd Nanopopcorn and Aptamer Nanoflower Assisted Lateral Flow Strip for Thermal Detection of Exosomes. Analytical Chemistry, 2019, 91, 13986-13993.	3.2	86
12	Combination of Metagenomics and Culture-Based Methods to Study the Interaction Between Ochratoxin A and Gut Microbiota. Toxicological Sciences, 2014, 141, 314-323.	1.4	80
13	Hypoglycemic and hypolipidemic effect of S-allyl-cysteine sulfoxide (alliin) in DIO mice. Scientific Reports, 2018, 8, 3527.	1.6	77
14	miR-34a screened by miRNA profiling negatively regulates Wnt/Î²-catenin signaling pathway in Aflatoxin B1 induced hepatotoxicity. Scientific Reports, 2015, 5, 16732.	1.6	65
15	Development of a double-antibody sandwich ELISA for rapid detection of Bacillus Cereus in food. Scientific Reports, 2016, 6, 16092.	1.6	65
16	Mulberry leaf alleviates streptozotocin-induced diabetic rats by attenuating NEFA signaling and modulating intestinal microflora. Scientific Reports, 2017, 7, 12041.	1.6	59
17	Ultrasensitive Detection of Viable Enterobacter sakazakii by a Continual Cascade Nanozyme Biosensor. Analytical Chemistry, 2017, 89, 10194-10200.	3.2	58
18	Ochratoxin A biocontrol and biodegradation byBacillus subtilisCW 14. Journal of the Science of Food and Agriculture, 2014, 94, 1879-1885.	1.7	57

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19	Nucleic Acid Biosensor Synthesis of an All-in-One Universal Blocking Linker Recombinase Polymerase Amplification with a Peptide Nucleic Acid-Based Lateral Flow Device for Ultrasensitive Detection of Food Pathogens. Analytical Chemistry, 2018, 90, 708-715.	3.2	57
20	Safety assessment of Cry1Ab/Ac fusion protein. Food and Chemical Toxicology, 2009, 47, 1459-1465.	1.8	55
21	On-site detection of stacked genetically modified soybean based on event-specific TM-LAMP and a DNAzyme-lateral flow biosensor. Biosensors and Bioelectronics, 2017, 91, 408-416.	5.3	55
22	Ochratoxin A induced early hepatotoxicity: new mechanistic insights from microRNA, mRNA and proteomic profiling studies. Scientific Reports, 2014, 4, .	1.6	54
23	An iTRAQ-based mitoproteomics approach for profiling the nephrotoxicity mechanisms of ochratoxin A in HEK 293 cells. Journal of Proteomics, 2013, 78, 398-415.	1.2	53
24	A highly sensitive and specific method for the screening detection of genetically modified organisms based on digital PCR without pretreatment. Scientific Reports, 2015, 5, 12715.	1.6	53
25	Ultrasensitive magnetic DNAzyme-copper nanoclusters fluorescent biosensor with triple amplification for the visual detection of E. coli O157:H7. Biosensors and Bioelectronics, 2020, 167, 112475.	5.3	53
26	Evolution analysis of flavor-active compounds during artificial fermentation of Pu-erh tea. Food Chemistry, 2021, 357, 129783.	4.2	53
27	MicroRNA profiling of rats with ochratoxin A nephrotoxicity. BMC Genomics, 2014, 15, 333.	1.2	52
28	Functional nucleic acids tailoring and its application. TrAC - Trends in Analytical Chemistry, 2019, 118, 138-157.	5.8	49
29	Chlorogenic acid ameliorates obesity by preventing energy balance shift in highâ€fat diet induced obese mice. Journal of the Science of Food and Agriculture, 2021, 101, 631-637.	1.7	49
30	Aptamer-Functionalized DNAâ€“Silver Nanocluster Nanofilm for Visual Detection and Elimination of Bacteria. ACS Applied Materials & Interfaces, 2021, 13, 38647-38655.	4.0	49
31	A Novel Universal Primer-Multiplex-PCR Method with Sequencing Gel Electrophoresis Analysis. PLoS ONE, 2012, 7, e22900.	1.1	48
32	iTRAQ-based quantitative tissue proteomic analysis of differentially expressed proteins (DEPs) in non-transgenic and transgenic soybean seeds. Scientific Reports, 2018, 8, 17681.	1.6	48
33	DNA damage and S phase arrest induced by Ochratoxin A in human embryonic kidney cells (HEK 293). Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2014, 765, 22-31.	0.4	47
34	A Universal Electrochemical Biosensor Using Nick-HCR Nanostructure as Molecular Gate of Nanochannel for Detecting Chromium(III) Ions and MicroRNA. Analytical Chemistry, 2019, 91, 14992-14999.	3.2	47
35	A Review: Epigenetic Mechanism in Ochratoxin A Toxicity Studies. Toxins, 2017, 9, 113.	1.5	46
36	Colorimetric detection and typing of E. coli lipopolysaccharides based on aÂdual aptamer-functionalized gold nanoparticle probe. Mikrochimica Acta, 2019, 186, 111.	2.5	46

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37	A test strip platform based on a whole-cell microbial biosensor for simultaneous on-site detection of total inorganic mercury pollutants in cosmetics without the need for predigestion. Biosensors and Bioelectronics, 2020, 150, 111899.	5.3	45
38	Analysis of Individual and Combined Effects of Ochratoxin A and Zearalenone on HepG2 and KK-1 Cells with Mathematical Models. Toxins, 2014, 6, 1177-1192.	1.5	44
39	Zinc inhibits aflatoxin B1-induced cytotoxicity and genotoxicity in human hepatocytes (HepG2 cells). Food and Chemical Toxicology, 2016, 92, 17-25.	1.8	44
40	A 90-day feeding study of glyphosate-tolerant maize with the G2-aroA gene in Sprague-Dawley rats. Food and Chemical Toxicology, 2013, 51, 280-287.	1.8	42
41	An electrochemical biosensor based on nucleic acids enzyme and nanochannels for detecting copper (II) ion. Biosensors and Bioelectronics, 2018, 120, 168-174.	5.3	42
42	Safety assessment of Cry1C protein from genetically modified rice according to the national standards of PR China for a new food resource. Regulatory Toxicology and Pharmacology, 2010, 58, 474-481.	1.3	41
43	A rapid and visual aptasensor for Lipopolysaccharides detection based on the bulb-like triplex turn-on switch coupled with HCR-HRP nanostructures. Biosensors and Bioelectronics, 2017, 89, 795-801.	5.3	41
44	Insoluble Dietary Fiber from Pear Pomace Can Prevent High-Fat Diet-Induced Obesity in Rats Mainly by Improving the Structure of the Gut Microbiota. Journal of Microbiology and Biotechnology, 2017, 27, 856-867.	0.9	41
45	Mitochondrial proteomic analysis reveals the molecular mechanisms underlying reproductive toxicity of zearalenone in MLTC-1 cells. Toxicology, 2014, 324, 55-67.	2.0	39
46	Nanozyme Enhanced Colorimetric Immunoassay for Naked-Eye Detection of Salmonella Enteritidis. Journal of Analysis and Testing, 2019, 3, 99-106.	2.5	39
47	Simultaneous Determination of 15 Plant Growth Regulators in Bean Sprout and Tomato with Liquid Chromatographyâ€“Triple Quadrupole Tandem Mass Spectrometry. Food Analytical Methods, 2013, 6, 941-951.	1.3	38
48	Apoptosis Signal-regulating Kinase 1 promotes Ochratoxin A-induced renal cytotoxicity. Scientific Reports, 2015, 5, 8078.	1.6	38
49	Specific and relative detection of urinary microRNA signatures in bladder cancer for point-of-care diagnostics. Chemical Communications, 2017, 53, 4222-4225.	2.2	37
50	Dual-recognition aptazyme-driven DNA nanomachine for two-in-one electrochemical detection of pesticides and heavy metal ions. Sensors and Actuators B: Chemical, 2020, 321, 128598.	4.0	37
51	Highly sensitive detection of lipopolysaccharides using an aptasensor based on hybridization chain reaction. Scientific Reports, 2016, 6, 29524.	1.6	36
52	Subchronic feeding study of stacked trait genetically-modified soybean (3Ã˜5423Ã—40-3-2) in Sprague–Dawley rats. Food and Chemical Toxicology, 2012, 50, 3256-3263.	1.8	35
53	A universal primer multiplex PCR method for typing of toxinogenic Pseudomonas aeruginosa. Applied Microbiology and Biotechnology, 2012, 95, 1579-1587.	1.7	35
54	Development and optimization of an efficient method to detect the authenticity of edible oils. Food Control, 2013, 31, 71-79.	2.8	35

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55	A simple and rapid sensing strategy based on structure-switching signaling aptamers for the sensitive detection of chloramphenicol. Food Chemistry, 2020, 302, 125359.	4.2	35
56	Phosphatase-like activity of single-atom Ce N C nanozyme for rapid detection of Al3+. Food Chemistry, 2022, 390, 133127.	4.2	35
57	Event-Specific Detection of Stacked Genetically Modified Maize Bt11 Ã— GA21 by UP-M-PCR and Real-Time PCR. Journal of Agricultural and Food Chemistry, 2009, 57, 395-402.	2.4	34
58	Limited Link between Oxidative Stress and Ochratoxin Aâ€"Induced Renal Injury in an Acute Toxicity Rat Model. Toxins, 2016, 8, 373.	1.5	34
59	Ochratoxin A induces rat renal carcinogenicity with limited induction of oxidative stress responses. Toxicology and Applied Pharmacology, 2014, 280, 543-549.	1.3	33
60	Protective effect of N-acetylcysteine against DNA damage and S-phase arrest induced by ochratoxin A in human embryonic kidney cells (HEK-293). Food and Chemical Toxicology, 2014, 70, 40-47.	1.8	33
61	Detachable nanoladders: A new method for signal identification and their application in the detection of ochratoxin A (OTA). Analytica Chimica Acta, 2019, 1087, 113-120.	2.6	33
62	A facile cascade signal amplification strategy using DNAzyme loop-mediated isothermal amplification for the ultrasensitive colorimetric detection of Salmonella. Sensors and Actuators B: Chemical, 2017, 242, 880-888.	4.0	32
63	Caulis Spatholobi Ameliorates Obesity through Activating Brown Adipose Tissue and Modulating the Composition of Gut Microbiota. International Journal of Molecular Sciences, 2019, 20, 5150.	1.8	32
64	Central role of Nix in the autophagic response to ochratoxin A. Food and Chemical Toxicology, 2014, 69, 202-209.	1.8	31
65	Carbon nanotubes in electrochemical, colorimetric, and fluorimetric immunosensors and immunoassays: a review. Mikrochimica Acta, 2020, 187, 206.	2.5	31
66	Safety assessment of transgenic Bacillus thuringiensis rice T1câ€19 in Sprague–Dawley rats from metabonomics and bacterial profile perspectives. IUBMB Life, 2012, 64, 242-250.	1.5	30
67	Protective role of the mitochondrial Lon protease 1 in ochratoxin A-induced cytotoxicity in HEK293 cells. Journal of Proteomics, 2014, 101, 154-168.	1.2	30
68	One-step competitive lateral flow biosensor running on an independent quantification system for smart phones based in-situ detection of trace Hg(II) in tap water. Food Chemistry, 2017, 214, 169-175.	4.2	30
69	Ultrasensitive Single Fluorescence-Labeled Probe-Mediated Single Universal Primer–Multiplex–Droplet Digital Polymerase Chain Reaction for High-Throughput Genetically Modified Organism Screening. Analytical Chemistry, 2018, 90, 5586-5593.	3.2	30
70	A 90-day subchronic feeding study of genetically modified maize expressing Cry1Ac-M protein in Sprague–Dawley rats. Food and Chemical Toxicology, 2012, 50, 3215-3221.	1.8	29
71	Precision toxicology shows that troxerutin alleviates ochratoxin A–induced renal lipotoxicity. FASEB Journal, 2019, 33, 2212-2227.	0.2	29
72	Event-specific qualitative and quantitative PCR detection of roundup ready event GT73 based on the 3â€²-integration junction. Plant Cell Reports, 2007, 26, 1821-1831.	2.8	28

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73	A novel antifungal peptide from foxtail millet seeds. Journal of the Science of Food and Agriculture, 2011, 91, 1630-1637.	1.7	28
74	Effects of genetically modified T2A-1 rice on the GI health of rats after 90-day supplement. Scientific Reports, 2013, 3, 1962.	1.6	28
75	High-sensitivity assay for Hg (II) and Ag (I) ion detection: A new class of droplet digital PCR logic gates for an intelligent DNA calculator. Biosensors and Bioelectronics, 2016, 84, 1-6.	5.3	28
76	Two-Way Gold Nanoparticle Label-Free Sensing of Specific Sequence and Small Molecule Targets Using Switchable Concatemers. ACS Chemical Biology, 2017, 12, 1373-1380.	1.6	28
77	Signal amplification in immunoassays by using noble metal nanoparticles: a review. Mikrochimica Acta, 2019, 186, 859.	2.5	28
78	MiR-122 partly mediates the ochratoxin A-induced GC-2 cell apoptosis. Toxicology in Vitro, 2015, 30, 264-273.	1.1	27
79	Zinc enhances the cellular energy supply to improve cell motility and restore impaired energetic metabolism in a toxic environment induced by OTA. Scientific Reports, 2017, 7, 14669.	1.6	27
80	Using the promoters of MerR family proteins as â€œrheostatsâ€• to engineer whole-cell heavy metal biosensors with adjustable sensitivity. Journal of Biological Engineering, 2019, 13, 70.	2.0	27
81	An in vitro attempt at precision toxicology reveals the involvement of DNA methylation alteration in ochratoxin A-induced G0/G1 phase arrest. Epigenetics, 2020, 15, 199-214.	1.3	27
82	Allicinâ€induced hostâ€gut microbe interactions improves energy homeostasis. FASEB Journal, 2020, 34, 10682-10698.	0.2	27
83	Establishment of a viable cell detection system for microorganisms in wine based on ethidium monoazide and quantitative PCR. Food Control, 2012, 27, 81-86.	2.8	26
84	Zinc inhibits the reproductive toxicity of Zearalenone in immortalized murine ovarian granular KK-1 cells. Scientific Reports, 2015, 5, 14277.	1.6	26
85	Cadmium tolerant characteristic of a newly isolated Lactococcus lactis subsp. lactis. Environmental Toxicology and Pharmacology, 2016, 48, 183-190.	2.0	26
86	Luminescent DNAzyme and universal blocking linker Super Polymerase Chain Reaction visual biosensor for the detection of Salmonella. Food Chemistry, 2020, 324, 126859.	4.2	26
87	Precision toxicology based on single cell sequencing: an evolving trend in toxicological evaluations and mechanism exploration. Archives of Toxicology, 2017, 91, 2539-2549.	1.9	25
88	Identification of a chicken (Gallus gallus) endogenous reference gene (Actb) and its application in meat adulteration. Food Chemistry, 2017, 234, 472-478.	4.2	25
89	iTRAQ Mitoproteome Analysis Reveals Mechanisms of Programmed Cell Death in Arabidopsis thaliana Induced by Ochratoxin A. Toxins, 2017, 9, 167.	1.5	25
90	Label-free visual biosensor based on cascade amplification for the detection of Salmonella. Analytica Chimica Acta, 2019, 1075, 144-151.	2.6	25

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91	Ultrafast, universal and visual screening of dual genetically modified elements based on dual super PCR and a lateral flow biosensor. Food Chemistry, 2019, 279, 246-251.	4.2	25
92	Catalytic hairpin self-assembly regulated chameleon silver nanoclusters for the ratiometric detection of CircRNA. Biosensors and Bioelectronics, 2022, 209, 114258.	5.3	25
93	Application of Immunoaffinity Column as Cleanup Tool for an Enzyme Linked Immunosorbent Assay of Phosphinothricin-N-acetyltransferase Detection in Genetically Modified Maize and Rape. Journal of Agricultural and Food Chemistry, 2005, 53, 4315-4321.	2.4	24
94	Single universal primer multiplex ligation-dependent probe amplification with sequencing gel electrophoresis analysis. Analytical Biochemistry, 2013, 443, 243-248.	1.1	24
95	Accurate and easy-to-use assessment of contiguous DNA methylation sites based on proportion competitive quantitative-PCR and lateral flow nucleic acid biosensor. Biosensors and Bioelectronics, 2016, 80, 654-660.	5.3	24
96	Feedback regulation mode of gene circuits directly affects the detection range and sensitivity of lead and mercury microbial biosensors. Analytica Chimica Acta, 2019, 1084, 85-92.	2.6	24
97	TiO₂ Nanoparticle-Enhanced Linker Recombinant Strand Displacement Amplification (LRSDA) for Universal Label-Free Visual Bioassays. ACS Applied Materials & Interfaces, 2019, 11, 46504-46514.	4.0	24
98	Single-cell sequencing reveals novel mechanisms of Aflatoxin B1-induced hepatotoxicity in S phase-arrested L02 cells. Cell Biology and Toxicology, 2020, 36, 603-608.	2.4	24
99	Identification techniques and detection methods of edible fungi species. Food Chemistry, 2022, 374, 131803.	4.2	24
100	Transcript and protein profiling analysis of OTA-induced cell death reveals the regulation of the toxicity response process in Arabidopsis thaliana. Journal of Experimental Botany, 2012, 63, 2171-2187.	2.4	23
101	Characterization of a cadmium resistance Lactococcus lactis subsp. lactis strain by antioxidant assays and proteome profiles methods. Environmental Toxicology and Pharmacology, 2016, 46, 286-291.	2.0	23
102	A rapid and visual turn-off sensor for detecting copper (II) ion based on DNAzyme coupled with HCR-based HRP concatemers. Scientific Reports, 2017, 7, 43362.	1.6	23
103	Ochratoxin A induced premature senescence in human renal proximal tubular cells. Toxicology, 2017, 382, 75-83.	2.0	23
104	Species-specific TM-LAMP and Trident-like lateral flow biosensor for on-site authenticity detection of horse and donkey meat. Sensors and Actuators B: Chemical, 2019, 301, 127039.	4.0	23
105	Allicin Regulates Energy Homeostasis through Brown Adipose Tissue. IScience, 2020, 23, 101113.	1.9	23
106	Metabonomics study of transgenic Bacillus thuringiensis rice (T2A-1) meal in a 90-day dietary toxicity study in rats. Molecular BioSystems, 2011, 7, 2304.	2.9	22
107	AuNPs-DNAzyme molecular motor biosensor mediated by neighborhood click chemistry reactions for the ultrasensitive detection of microRNA-155. Sensors and Actuators B: Chemical, 2019, 290, 503-511.	4.0	22
108	Evaluation of flavonoid and polyphenol constituents in mulberry leaves using HPLC fingerprint analysis. International Journal of Food Science and Technology, 2020, 55, 526-533.	1.3	22

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109	A colorimetric zinc(II) assay based on the use of hairpin DNAzyme recycling and a hemin/G-quadruplex lighted DNA nanoladder. Mikrochimica Acta, 2020, 187, 26.	2.5	22
110	Single universal primer recombinase polymerase amplification-based lateral flow biosensor (SUP-RPA-LFB) for multiplex detection of genetically modified maize. Analytica Chimica Acta, 2020, 1127, 217-224.	2.6	22
111	A papaya-specific gene, papain, used as an endogenous reference gene in qualitative and real-time quantitative PCR detection of transgenic papayas. European Food Research and Technology, 2008, 228, 301-309.	1.6	21
112	ExoIII and TdT dependent isothermal amplification (ETDA) colorimetric biosensor for ultra-sensitive detection of Hg2+. Food Chemistry, 2020, 316, 126303.	4.2	21
113	miR-122 plays an important role in ochratoxin A-induced hepatocyte apoptosis in vitro and in vivo. Toxicology Research, 2016, 5, 160-167.	0.9	20
114	A gas reporting whole-cell microbial biosensor system for rapid on-site detection of mercury contamination in soils. Biosensors and Bioelectronics, 2020, 170, 112660.	5.3	20
115	Insights into nucleic acid-based self-assembling nanocarriers for targeted drug delivery and controlled drug release. Journal of Controlled Release, 2022, 341, 869-891.	4.8	20
116	Cell-specific aptamers as potential drugs in therapeutic applications: A review of current progress. Journal of Controlled Release, 2022, 346, 405-420.	4.8	20
117	A novel common single primer multiplex polymerase chain reaction (CSPâ€Mâ€PCR) method for the identification of animal species in minced meat. Journal of the Science of Food and Agriculture, 2008, 88, 2631-2637.	1.7	19
118	Event-specific qualitative and quantitative PCR detection of LY038 maize in mixed samples. Food Control, 2011, 22, 1287-1295.	2.8	19
119	Discovery of systematic responses and potential biomarkers induced by ochratoxin A using metabolomics. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 1904-1913.	1.1	19
120	A peach (Prunus persica)-specific gene, Lhcb2, used as an endogenous reference gene for qualitative and real-time quantitative PCR to detect fruit products. LWT - Food Science and Technology, 2014, 55, 218-223.	2.5	19
121	Changes in biosynthesis and metabolism of glutathione upon ochratoxin A stress in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2014, 79, 10-18.	2.8	19
122	A Novel Pretreatment-Free Duplex Chamber Digital PCR Detection System for the Absolute Quantitation of GMO Samples. International Journal of Molecular Sciences, 2016, 17, 402.	1.8	19
123	Development and application of absolute quantitative detection by duplex chamber-based digital PCR of genetically modified maize events without pretreatment steps. Analytica Chimica Acta, 2016, 916, 60-66.	2.6	19
124	Terminal deoxynucleotidyl transferase-induced DNAzyme nanowire sensor for colorimetric detection of lipopolysaccharides. Sensors and Actuators B: Chemical, 2018, 256, 790-796.	4.0	19
125	Fatty acid oxidation alleviates the energy deficiency caused by the loss of MPC1 in MPC1+/â˜ mice. Biochemical and Biophysical Research Communications, 2018, 495, 1008-1013.	1.0	19
126	Correlation between bacterial community succession and propionic acid during gray sufu fermentation. Food Chemistry, 2021, 353, 129447.	4.2	19

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127	Pleurotus Ostreatus Ameliorates Obesity by Modulating the Gut Microbiota in Obese Mice Induced by High-Fat Diet. Nutrients, 2022, 14, 1868.	1.7	19
128	An A-T linker adapter polymerase chain reaction method for chromosome walking without restriction site cloning bias. Analytical Biochemistry, 2012, 425, 62-67.	1.1	18
129	Subchronic toxicity study in vivo and allergenicity study in vitro for genetically modified rice that expresses pharmaceutical protein (human serum albumin). Food and Chemical Toxicology, 2014, 72, 242-246.	1.8	18
130	Arabidopsis thaliana defense response to the ochratoxin A-producing strain (Aspergillus ochraceus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	18
131	Safety assessment of lepidopteran insect-protected transgenic rice with cry2A* gene. Transgenic Research, 2016, 25, 163-172.	1.3	18
132	Proteomics reveals the alleviation of zinc towards aflatoxin B1-induced cytotoxicity in human hepatocyes (HepG2 cells). Ecotoxicology and Environmental Safety, 2020, 198, 110596.	2.9	18
133	Loopâ€linker PCR: An advanced PCR technique for genome walking. IUBMB Life, 2012, 64, 841-845.	1.5	17
134	Development and application of a quantitative loopâ€mediated isothermal amplification method for detecting genetically modified maize <scp>MON863</scp>. Journal of the Science of Food and Agriculture, 2015, 95, 253-259.	1.7	17
135	A smart sealed nucleic acid biosensor based on endogenous reference gene detection to screen and identify mammals on site. Scientific Reports, 2017, 7, 43453.	1.6	17
136	Ultra-sensitive and absolute quantitative detection of Cu2+ based on DNAzyme and digital PCR in water and drink samples. Food Chemistry, 2017, 221, 1770-1777.	4.2	17
137	Novel rolling circle amplification biosensors for food-borne microorganism detection. TrAC - Trends in Analytical Chemistry, 2021, 141, 116293.	5.8	17
138	A 90-day subchronic feeding study of genetically modified rice expressing Cry1Ab protein in Sprague–Dawley rats. Transgenic Research, 2015, 24, 295-308.	1.3	16
139	Ultra-sensitive â€œturn-onâ€•detection method for Hg2+ based on mispairing biosensor and emulsion PCR. Talanta, 2016, 155, 168-174.	2.9	16
140	An Exo III-assisted catalytic hairpin assembly-based self-fluorescence aptasensor for pesticide detection. Sensors and Actuators B: Chemical, 2022, 358, 131441.	4.0	16
141	Universal Primer-Multiplex-Polymerase Chain Reaction (UP-M-PCR) and Capillary Electrophoresis–Laser-Induced Fluorescence Analysis for the Simultaneous Detection of Six Genetically Modified Maize Lines. Journal of Agricultural and Food Chemistry, 2011, 59, 5188-5194.	2.4	15
142	Comparative Profiling of microRNA Expression in Soybean Seeds from Genetically Modified Plants and their Near-Isogenic Parental Lines. PLoS ONE, 2016, 11, e0155896.	1.1	15
143	Purple Sweet Potato Attenuate Weight Gain in High Fat Diet Induced Obese Mice. Journal of Food Science, 2017, 82, 787-793.	1.5	15
144	Self-Assembling Cyclodextrin-Based Nanoparticles Enhance the Cellular Delivery of Hydrophobic Allicin. Journal of Agricultural and Food Chemistry, 2020, 68, 11144-11150.	2.4	15

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145	A Mitochondria-Dependent Pathway Mediates the Apoptosis of GSE-Induced Yeast. PLoS ONE, 2012, 7, e32943.	1.1	15
146	Structure-switching aptamer triggering signal amplification strategy for tobramycin detection based on hybridization chain reaction and fluorescence synergism. Talanta, 2022, 243, 123318.	2.9	15
147	Bioeffects of chromium(III) on the growth of Spirulina platensis and its biotransformation. Journal of the Science of Food and Agriculture, 2009, 89, 947-952.	1.7	14
148	Colorimetric biosensor based on a DNAzyme primer and its application in logic gate operations for DNA screening. Analytica Chimica Acta, 2017, 987, 111-117.	2.6	14
149	Intraperitoneal administration of follistatin promotes adipocyte browning in high-fat diet-induced obese mice. PLoS ONE, 2019, 14, e0220310.	1.1	14
150	Three dimensional DNA nanotracks: A novel method for ultrasensitive and visible mercury (II) detection. Sensors and Actuators B: Chemical, 2020, 303, 126988.	4.0	14
151	The Fluorescent Palette of DNA-Templated Silver Nanoclusters for Biological Applications. Frontiers in Chemistry, 2020, 8, 601621.	1.8	14
152	Effects of genetically modified T2A-1 rice on faecal microflora of rats during 90 day supplementation. Journal of the Science of Food and Agriculture, 2011, 91, 2066-2072.	1.7	13
153	Comparative proteomics and physiological characterization of Arabidopsis thaliana seedlings in responses to Ochratoxin A. Plant Molecular Biology, 2013, 82, 321-337.	2.0	13
154	Randomly broken fragment PCR with 5â€² end-directed adaptor for genome walking. Scientific Reports, 2013, 3, 3465.	1.6	13
155	Real-time quantitative nicking endonuclease-mediated isothermal amplification with small molecular beacons. Analyst, The, 2016, 141, 2542-2552.	1.7	13
156	Lipid Rafts Disruption Increases Ochratoxin A Cytotoxicity to Hepatocytes. Journal of Biochemical and Molecular Toxicology, 2016, 30, 71-79.	1.4	13
157	Ochratoxin A transport by the human breast cancer resistance protein (BCRP), multidrug resistance protein 2 (MRP2), and organic anion-transporting polypeptides 1A2, 1B1 and 2B1. Toxicology and Applied Pharmacology, 2017, 329, 18-25.	1.3	13
158	The ultra-sensitive visual biosensor based on thermostatic triple step functional nucleic acid cascade amplification for detecting Zn2+. Food Chemistry, 2019, 290, 95-100.	4.2	13
159	New mechanistic insights of clear cell renal cell carcinoma from integrated miRNA and mRNA expression profiling studies. Biomedicine and Pharmacotherapy, 2019, 111, 821-834.	2.5	13
160	Third Generation Whole-Cell Sensing Systems: Synthetic Biology Inside, Nanomaterial Outside. Trends in Biotechnology, 2021, 39, 550-559.	4.9	13
161	Intracellular CircRNA imaging and signal amplification strategy based on the graphene oxide-DNA system. Analytica Chimica Acta, 2021, 1183, 338966.	2.6	13
162	A sandwich-based evanescent wave fluorescent biosensor for simple, real-time exosome detectionâ€. Biosensors and Bioelectronics, 2022, 200, 113902.	5.3	13

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163	Aptamer-Functionalized Binary-Drug Delivery System for Synergetic Obesity Therapy. ACS Nano, 2022, 16, 1036-1050.	7.3	13
164	Potential allergenicity research of Cry1C protein from genetically modified rice. Regulatory Toxicology and Pharmacology, 2012, 63, 181-187.	1.3	12
165	Safety assessment of genetically modified rice expressing human serum albumin from urine metabonomics and fecal bacterial profile. Food and Chemical Toxicology, 2015, 76, 1-10.	1.8	12
166	Fusion of binary split allosteric aptasensor for the ultra-sensitive and super-rapid detection of malachite green. Journal of Hazardous Materials, 2022, 425, 127976.	6.5	12
167	An Advanced Visual Qualitative and <scp>EVA</scp> Greenâ€Based Quantitative Isothermal Amplification Method to Detect <scp>L</scp>isteria Monocytogenes. Journal of Food Safety, 2016, 36, 237-246.	1.1	11
168	Revealing the biodiversity and the response of pathogen to a combined use of procymidone and thiamethoxam in tomatoes. Food Chemistry, 2019, 284, 73-79.	4.2	11
169	Fluorescent detection of Cu (II) ions based on DNAzymatic cascaded cyclic amplification. Mikrochimica Acta, 2020, 187, 443.	2.5	11
170	Universal linker Polymerase Chain Reaction-triggered Strand Displacement Amplification visual biosensor for ultra-sensitive detection of Salmonella. Talanta, 2021, 222, 121575.	2.9	11
171	Analysis of Caecal Microbiota in Rats Fed with Genetically Modified Rice by Realâ€Time Quantitative PCR. Journal of Food Science, 2011, 76, M88-93.	1.5	10
172	Functional Nucleic Acids Detection in Food Safety. , 2016, , .		10
173	Mitigation of cell apoptosis induced by ochratoxin A (OTA) is possibly through organic cation transport 2 (OCT2) knockout. Food and Chemical Toxicology, 2018, 121, 15-23.	1.8	10
174	Glucose-regulated protein 75 in foodborne disease models induces renal tubular necrosis. Food and Chemical Toxicology, 2019, 133, 110720.	1.8	10
175	Comprehensive Analysis of the Characteristics and Differences in Adult and Newborn Brown Adipose Tissue (BAT): Newborn BAT Is a More Active/Dynamic BAT. Cells, 2020, 9, 201.	1.8	10
176	Exosomes mediated the delivery of ochratoxin A-induced cytotoxicity in HEK293 cells. Toxicology, 2021, 461, 152926.	2.0	10
177	Effect of ethylene on polygalacturonase, lipoxygenase and expansin in ripening of tomato fruits. Transactions of Tianjin University, 2009, 15, 173-177.	3.3	9
178	Establishment and optimization of a wheat germ cell-free protein synthesis system and its application in venom kallikrein. Protein Expression and Purification, 2012, 84, 173-180.	0.6	9
179	Isolation and characterisation of a kallikrein-like enzyme fromAgkistrodon halys pallassnake venom. Journal of the Science of Food and Agriculture, 2012, 92, 1497-1503.	1.7	9
180	Toxicological Evaluation of Lactase Derived from Recombinant Pichia pastoris. PLoS ONE, 2014, 9, e106470.	1.1	9

#	Article	IF	Citations
181	A-T linker adapter polymerase chain reaction for determining flanking sequences by rescuing inverse PCR or thermal asymmetric interlaced PCR products. Analytical Biochemistry, 2014, 466, 24-26.	1.1	9
182	A â€˜turn-onâ€™ ultra-sensitive multiplex real-time fluorescent quantitative biosensor mediated by a universal primer and probe for the detection of genetically modified organisms. Food Chemistry, 2020, 330, 127247.	4.2	9
183	Single-cell transcriptomics uncovers potential marker genes of ochratoxin Aâ€“sensitive renal cells in an acute toxicity rat model. Cell Biology and Toxicology, 2021, 37, 7-13.	2.4	9
184	Recent Developments in Delivery of MicroRNAs Utilizing Nanosystems for Metabolic Syndrome Therapy. International Journal of Molecular Sciences, 2021, 22, 7855.	1.8	9
185	Multidimensional analysis of the epigenetic alterations in toxicities induced by mycotoxins. Food and Chemical Toxicology, 2021, 153, 112251.	1.8	9
186	Current progress of miRNA-derivative nucleotide drugs: modifications, delivery systems, applications. Expert Opinion on Drug Delivery, 2022, 19, 435-450.	2.4	9
187	Progress and challenges in bacterial whole-cell-components Aptamer advanced screening and site identification. TrAC - Trends in Analytical Chemistry, 2022, 157, 116731.	5.8	9
188	A subchronic feeding study of dicamba-tolerant soybean with the dmo gene in Sprague–Dawley rats. Regulatory Toxicology and Pharmacology, 2016, 77, 134-142.	1.3	8
189	Insight into the nanomaterials enhancement mechanism of nucleic acid amplification reactions. TrAC - Trends in Analytical Chemistry, 2021, 137, 116221.	5.8	8
190	Adipose tissues of MPC1^{Â±}Âmice display altered lipid metabolism-related enzyme expression levels. PeerJ, 2018, 6, e5799.	0.9	8
191	Characterization and eventâ€specific quantitative detection of DASâ€59122â€7 maize insert with the application of plasmidic reference material. Journal of the Science of Food and Agriculture, 2009, 89, 494-503.	1.7	7
192	In Vivo Effects of Pichia Pastoris-Expressed Antimicrobial Peptide Hepcidin on the Community Composition and Metabolism Gut Microbiota of Rats. PLoS ONE, 2016, 11, e0164771.	1.1	7
193	No subchronic toxicity of multiple herbicide-resistant soybean FG72 in Sprague-Dawley rats by 90-days feeding study. Regulatory Toxicology and Pharmacology, 2018, 94, 299-305.	1.3	7
194	Rapid and low-cost strategy for detecting genome-editing induced deletion: A single-copy case. Analytica Chimica Acta, 2018, 1019, 111-118.	2.6	7
195	Diagnosing and tracing the pathogens of infantile infectious diarrhea by amplicon sequencing. Gut Pathogens, 2019, 11, 12.	1.6	7
196	Untargeted Metabonomics of Genetically Modified Cows Expressing Lactoferrin Based on Serum and Milk. Journal of Agricultural and Food Chemistry, 2020, 68, 686-696.	2.4	7
197	Multiple functionalities of functional nucleic acids for developing high-performance lateral flow assays. TrAC - Trends in Analytical Chemistry, 2022, 148, 116529.	5.8	7
198	Characterization and Beige Adipogenic Potential of Human Embryo White Adipose Tissue-Derived Stem Cells. Cellular Physiology and Biochemistry, 2018, 51, 2900-2915.	1.1	6

#	Article	IF	Citations
199	Multiplex pyrosequencing quantitative detection combined with universal primer-multiplex-PCR for genetically modified organisms. Food Chemistry, 2020, 320, 126634.	4.2	6
200	Detection of Listeria monocytogenes Using Luminol-Functionalized AuNF-Labeled Aptamer Recognition and Magnetic Separation. ACS Omega, 2021, 6, 26338-26344.	1.6	6
201	Expression, purification and refolding of recombinant Cry1Ab/Ac obtained in Escherichia coli as inclusion bodies. Journal of the Science of Food and Agriculture, 2009, 89, 796-801.	1.7	5
202	A 90-day subchronic study of rats fed lean pork from genetically modified pigs with muscle-specific expression of recombinant follistatin. Regulatory Toxicology and Pharmacology, 2015, 73, 620-628.	1.3	5
203	Effects of neutrophils peptide-1 transgenic Chlorella ellipsoidea on the gut microbiota of male Sprague–Dawley rats, as revealed by high-throughput 16S rRNA sequencing. World Journal of Microbiology and Biotechnology, 2016, 32, 43.	1.7	5
204	Rapid strand replacement primer thermostat visual sensor based on Bst DNA polymerase and pyrophosphatase for detecting Vibrio parahaemolyticus. Food Chemistry, 2020, 310, 125955.	4.2	5
205	Duplex-specific nuclease-resistant triple-helix DNA nanoswitch for single-base differentiation of miRNA in lung cancer cells. Analytical and Bioanalytical Chemistry, 2020, 412, 4477-4482.	1.9	5
206	Advanced screening and tailoring strategies of pesticide aptamer for constructing biosensor. Critical Reviews in Food Science and Nutrition, 2023, 63, 10974-10994.	5.4	5
207	The Detection Techniques of Genetically Modified Organisms. , 2016, , 343-351.		4
208	High-Throughput Tag-Sequencing Analysis of Early Events Induced by Ochratoxin A in HepG2 Cells. Journal of Biochemical and Molecular Toxicology, 2016, 30, 29-36.	1.4	4
209	Rice- or pork-based diets with similar calorie and content result in different rat gut microbiota. International Journal of Food Sciences and Nutrition, 2017, 68, 829-839.	1.3	4
210	Identification of the Pol Gene as a Species-Specific Diagnostic Marker for Qualitative and Quantitative PCR Detection of Tricholoma matsutake. Molecules, 2019, 24, 455.	1.7	4
211	Funktionelle NukleinSäure-Nanomaterialien: Entwicklung, Eigenschaften und Anwendungen. Angewandte Chemie, 2021, 133, 6966-6995.	1.6	4
212	Establishment of primary reference measurement procedures and reference materials for EGFR variant detection in non-small cell lung cancer. Analytical Methods, 2021, 13, 2114-2123.	1.3	4
213	Graphene oxide nanosheet-mediated fluorescent RPA “turn-on”-biosensor for rapid RNAi transgenic plant detection. Analytica Chimica Acta, 2022, 1189, 339222.	2.6	4
214	Nucleic Acid–Modified Liposome: Construction Methods and Biological Applications. Advanced Materials Interfaces, 2022, 9, 2101246.	1.9	4
215	MSN/NA-doped nanoflower enhancing isothermal fluorescent sensor with a portable PCR tube fluorescence reader for the on-site detection of Vibrio parahaemolyticus. Analytica Chimica Acta, 2022, 1200, 339448.	2.6	4
216	Rapid label-free colorimetric dual-functional aptasensor for β-lactoglobulin detection based on a rational tailoring strategy. Biosensors and Bioelectronics, 2022, 208, 114223.	5.3	4

#	Article	IF	Citations
217	Production and optimization of a kiwi pectin methylesterase inhibitor in Pichia pastoris GS115. Food Science and Biotechnology, 2014, 23, 1971-1976.	1.2	3
218	Restriction enzyme cutting site distribution regularity for DNA looping technology. Gene, 2014, 534, 222-228.	1.0	3
219	Research on Gene Mobility and Gene Flow Between Genetically Modified Mon 15985 Cotton and Pleurotus Ostreatus. Journal of Food Safety, 2016, 36, 423-432.	1.1	3
220	Novel multiplex qualitative detection using universal primer-multiplex-PCR combined with pyrosequencing. Food Chemistry, 2017, 237, 773-778.	4.2	3
221	A novel quantitative technique in detecting stacked genetically modified plants by fluorescent-immunohistochemistry. Journal of Food Composition and Analysis, 2020, 88, 103452.	1.9	3
222	A Variety of Bio-nanogold in the Fabrication of Lateral Flow Biosensors for the Detection of Pathogenic Bacteria. Current Topics in Medicinal Chemistry, 2019, 19, 2476-2493.	1.0	3
223	Smart Nucleic Acid Hydrogels with High Stimuli-Responsiveness in Biomedical Fields. International Journal of Molecular Sciences, 2022, 23, 1068.	1.8	3
224	Visualization of copper nanoclusters for SARS-CoV-2 Delta variant detection based on rational primers design. Talanta, 2022, 241, 123266.	2.9	3
225	Functional nucleic acid lateral flow magnetic biosensor based on blocking the super PCR and magnetic test strip for rapid detection of genetically modified maize MON810â€. Analytica Chimica Acta, 2022, 1202, 339660.	2.6	3
226	Multiple Recognition-Based Sensor for Pesticide Residues. Frontiers in Chemistry, 2022, 10, 856698.	1.8	3
227	Sandwich capture ultrasensitive sensor based on biohybrid interface for the detection of Cronobacter sakazakii. Applied Microbiology and Biotechnology, 2022, 106, 4287-4296.	1.7	3
228	Safety evaluation of subchronic feeding of nisI transformed Lactobacillus plantarum in Sprague€Đawley rats. Journal of Food Safety, 2018, 38, e12427.	1.1	2
229	A 28-day subchronic feeding study of chicken injected by genetically modified DNA-vaccine of avian influenzas in Sprague-Dawley rats. Regulatory Toxicology and Pharmacology, 2018, 98, 245-249.	1.3	2
230	Target Specificity of the CRISPR-Cas9 System in Arabidopsis thaliana, Oryza sativa, and Glycine max Genomes. Journal of Computational Biology, 2020, 27, 1544-1552.	0.8	2
231	Prediction and identification of an acid-inducible promoter from Lactococcus lactis ssp. cremoris MG1363. Food Science and Biotechnology, 2015, 24, 1749-1753.	1.2	1
232	PCR Methods for Detecting GM Crops and Food in Agriculture and the Food Chain: A Review. , 2016, , 323-342.		1
233	Reference Gene: In-Species Universality Versus Between-Species Uniquity. , 2016, , 85-106.		1
234	Rapid visual genotyping method for germline mutants with small genomic fragment deletion by allele-specific PCR and lateral flow nucleic acid biosensor. Molecular Biology Reports, 2021, 48, 7325-7332.	1.0	1

#	Article	IF	Citations
235	Comprehensive molecular characterization of a transgenic pig expressing hCD46 gene. Gene, 2017, 626, 376-385.	1.0	1
236	Preparation of a Monoclonal Antibody against a Kallikrein-Like Enzyme fromAgkistrodon halys pallasVenom and Its Application in a Pharmacokinetic Study. Analytical Letters, 2013, 46, 2017-2028.	1.0	0
237	Development of Accurate Nucleic Acid Detection Technology for Target Quantification. , 2016, , 143-166.		0
238	The Identification and Detection Technology of Research in Microorganisms Including Living or Dead Bacteria. , 2016, , 343-364.		0
239	PCR-Based Technologies for Identifying Unknown Gene Sequences. , 2016, , 107-121.		0
240	Detecting Targets Without Thermal Cycling in Food: Isothermal Amplification and Hybridization. , 2016, , 185-218.		0
241	The food safety of DP-356Ã˜43 soybeans on SD rats reflected by physiological variables and fecal microbiota during a 90-day feeding study. Regulatory Toxicology and Pharmacology, 2018, 97, 144-151.	1.3	0
242	Single-Cell Analysis of Long Noncoding RNAs (lncRNAs) in Mouse Brain Cells. Methods in Molecular Biology, 2021, 2254, 161-177.	0.4	0
243	Nucleic Acidâ€Modified Liposome: Construction Methods and Biological Applications (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	0
244	Oral toxicity evaluation of genetically modified lactic acid bacteria in three generations of Sprague Dawley rats. Food and Chemical Toxicology, 2022, 167, 113280.	1.8	0