

Zhouping Wang

List of Publications by Year in descending order

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205
papers

9,487
citations

30070

54
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56724

83
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207
all docs

207
docs citations

207
times ranked

7529
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Nanomaterials for Coping with Mycotoxin Contamination in Food Safety: From Detection to Control. <i>Critical Reviews in Analytical Chemistry</i> , 2024, 54, 355-388.	3.5	14
2	Split aptamer acquisition mechanisms and current application in antibiotics detection: a short review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 9098-9110.	10.3	24
3	Sensitive detection of patulin based on DNase α -assisted fluorescent aptasensor by using AuNCs-modified truncated aptamer. <i>Food Control</i> , 2022, 131, 108430.	5.5	25
4	Sensitive colorimetric aptasensor based on stimuli-responsive metal-organic framework nano-container and trivalent DNAzyme for zearalenone determination in food samples. <i>Food Chemistry</i> , 2022, 371, 131145.	8.2	25
5	Signal amplification of SiO ₂ nanoparticle loaded horseradish peroxidase for colorimetric detection of lead ions in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120342.	3.9	12
6	Photodynamic chitosan functionalized MoS ₂ nanocomposite with enhanced and broad-spectrum antibacterial activity. <i>Carbohydrate Polymers</i> , 2022, 277, 118808.	10.2	28
7	Simultaneous coupled with Separate SELEX for heterocyclic biogenic amine-specific aptamers screening and their application in establishment of an effective aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 130985.	7.8	12
8	Transparent and flexible AuNSs/PDMS-based SERS substrates for in-situ detection of pesticide residues. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120542.	3.9	14
9	Fluorescence imaging of glutathione with aptasensor and monitoring deoxynivalenol-induced oxidative stress in living cells. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131190.	7.8	4
10	Fluorescence-Raman dual-mode quantitative detection and imaging of small-molecule thiols in cell apoptosis with DNA-modified gold nanoflowers. <i>Journal of Materials Chemistry B</i> , 2022, 10, 571-581.	5.8	11
11	A novel ratiometric aptasensor based on dual-emission fluorescent signals and the conformation of G-quadruplex for OTA detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131484.	7.8	25
12	Synthesis and antibacterial properties of new monomethyl fumaric acid ϵ -modified chitosan oligosaccharide derivatives. <i>International Journal of Food Science and Technology</i> , 2022, 57, 2872-2878.	2.7	4
13	Strategies to manipulate the performance of aptamers in SELEX, post-SELEX and microenvironment. <i>Biotechnology Advances</i> , 2022, 55, 107902.	11.7	67
14	Research update of emergent gold nanoclusters: A reinforced approach towards evolution, synthesis mechanism and application. <i>Talanta</i> , 2022, 241, 123228.	5.5	12
15	Aptamer truncation strategy assisted by molecular docking and sensitive detection of T-2 toxin using SYBR Green I as a signal amplifier. <i>Food Chemistry</i> , 2022, 381, 132171.	8.2	29
16	Preparation of recombinant <i>Kluyveromyces lactis</i> agents for simultaneous degradation of two mycotoxins. <i>AMB Express</i> , 2022, 12, 20.	3.0	2
17	Synthesis and characterization of cinnamic acid conjugated N-(2-hydroxy)-propyl-3-trimethylammonium chitosan chloride derivatives: A hybrid flocculant with antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 886-895.	7.5	13
18	Water-soluble chlorin e6-hydroxypropyl chitosan as a high-efficiency photoantimicrobial agent against <i>Staphylococcus aureus</i> . <i>International Journal of Biological Macromolecules</i> , 2022, 208, 669-677.	7.5	6

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19	Bifunctional ligand-mediated amplification of polydiacetylene response to biorecognition of diethylstilbestrol for on-site smartphone detection. <i>Journal of Hazardous Materials</i> , 2022, 432, 128692.	12.4	3
20	CRISPR-Cas12a-mediated luminescence resonance energy transfer aptasensing platform for deoxynivalenol using gold nanoparticle-decorated Ti ₃ C ₂ T _x MXene as the enhanced quencher. <i>Journal of Hazardous Materials</i> , 2022, 433, 128750.	12.4	48
21	Design and optimizing gold nanoparticle-cDNA nanoprobe for aptamer-based lateral flow assay: Application to rapid detection of acetamiprid. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114114.	10.1	24
22	A simplified fluorescent lateral flow assay for melamine based on aggregation induced emission of gold nanoclusters. <i>Food Chemistry</i> , 2022, 385, 132670.	8.2	22
23	Investigation of volatile flavor compounds and characterization of aroma-active compounds of water-boiled salted duck using GC-MS, GC-IMS, and E-nose. <i>Food Chemistry</i> , 2022, 386, 132728.	8.2	64
24	Surface-enhanced Raman spectroscopy relying on bimetallic Au-Ag nanourchins for the detection of the food allergen β -lactoglobulin. <i>Talanta</i> , 2022, 245, 123445.	5.5	16
25	A 3D/0D cobalt-embedded nitrogen-doped porous carbon/supramolecular porphyrin magnetic-separation photocatalyst with highly efficient pollutant degradation and water oxidation performance. <i>Journal of Materials Science and Technology</i> , 2022, 124, 53-64.	10.7	18
26	Protective Effects of Ferulic Acid on Deoxynivalenol-Induced Toxicity in IPEC-J2 Cells. <i>Toxins</i> , 2022, 14, 275.	3.4	10
27	Aptamer-Based Fluorescence Detection and Selective Disinfection of Salmonella Typhimurium by Using Hollow Carbon Nitride Nanosphere. <i>Biosensors</i> , 2022, 12, 228.	4.7	3
28	Selection, truncation and fluorescence polarization based aptasensor for <i>Weissella viridescens</i> detection. <i>Talanta</i> , 2022, 246, 123499.	5.5	11
29	Unprecedentedly efficient mineralization performance of photocatalysis-self-Fenton system towards organic pollutants over oxygen-doped porous g-C ₃ N ₄ nanosheets. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121438.	20.2	105
30	Colorimetric aptasensor targeting zearalenone developed based on the hyaluronic Acid-DNA hydrogel and bimetallic MOFzyme. <i>Biosensors and Bioelectronics</i> , 2022, 212, 114366.	10.1	24
31	Non-thiolated nucleic acid functionalized gold nanoparticle-based aptamer lateral flow assay for rapid detection of kanamycin. <i>Mikrochimica Acta</i> , 2022, 189, .	5.0	9
32	Nanomaterial-based optical and electrochemical aptasensors: A reinforced approach for selective recognition of zearalenone. <i>Food Control</i> , 2022, , 109252.	5.5	10
33	Facile synthesis and antibacterial activity of geraniol conjugated chitosan oligosaccharide derivatives. <i>Carbohydrate Polymers</i> , 2021, 251, 117099.	10.2	58
34	Fabrication of magnetically recyclable yolk-shell Fe ₃ O ₄ @TiO ₂ nanosheet/Ag/g-C ₃ N ₄ microspheres for enhanced photocatalytic degradation of organic pollutants. <i>Nano Research</i> , 2021, 14, 2363-2371.	10.4	33
35	Nuclease-assisted target recycling signal amplification strategy for graphene quantum dot-based fluorescent detection of marine biotoxins. <i>Mikrochimica Acta</i> , 2021, 188, 118.	5.0	13
36	Research Progress of Optical Aptasensors Based on AuNPs in Food Safety. <i>Food Analytical Methods</i> , 2021, 14, 2136-2151.	2.6	18

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37	Fabrication of gold/silver nanodimer SERS probes for the simultaneous detection of Salmonella typhimurium and Staphylococcus aureus. <i>Mikrochimica Acta</i> , 2021, 188, 202.	5.0	26
38	A general strategy to synthesis chitosan oligosaccharide-O-Terpenol derivatives with antibacterial properties. <i>Carbohydrate Research</i> , 2021, 503, 108315.	2.3	9
39	Screening and application of a broad-spectrum aptamer for acyclic guanosine analogues. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4855-4863.	3.7	7
40	Simultaneous degradation of two mycotoxins enabled by a fusion enzyme in food-grade recombinant <i>Kluyveromyces lactis</i> . <i>Bioresources and Bioprocessing</i> , 2021, 8, .	4.2	24
41	Upconversion Nanoparticles Assembled with Gold Nanourchins as Luminescence and Surface-Enhanced Raman Scattering Dual-Mode Aptasensors for Detection of Ochratoxin A. <i>ACS Applied Nano Materials</i> , 2021, 4, 8231-8240.	5.0	34
42	Electrochemical Determination of Capsaicinoids Content in Soy Sauce and Pot-Roast Meat Products Based on Glassy Carbon Electrode Modified with β -Cyclodextrin/Carboxylated Multi-Wall Carbon Nanotubes. <i>Foods</i> , 2021, 10, 1743.	4.3	11
43	Capture-SELEX for aptamer selection: A short review. <i>Talanta</i> , 2021, 229, 122274.	5.5	112
44	Chlorin e6 conjugated chitosan as an efficient photoantimicrobial agent. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1309-1316.	7.5	15
45	An all-organic OD/2D supramolecular porphyrin/g-C ₃ N ₄ heterojunction assembled via π - π interaction for efficient visible photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120059.	20.2	86
46	High-affinity aptamer of allergen β -lactoglobulin: Selection, recognition mechanism and application. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129956.	7.8	43
47	Label free structure-switching fluorescence polarization detection of chloramphenicol with truncated aptamer. <i>Talanta</i> , 2021, 230, 122349.	5.5	38
48	Deoxynivalenol-induced cell apoptosis monitoring using a cytochrome c-specific fluorescent probe based on a photoinduced electron transfer reaction. <i>Journal of Hazardous Materials</i> , 2021, 415, 125638.	12.4	12
49	A phosphorescence resonance energy transfer-based α -off-on β -long afterglow aptasensor for cadmium detection in food samples. <i>Talanta</i> , 2021, 232, 122409.	5.5	7
50	Research Advances of d-allulose: An Overview of Physiological Functions, Enzymatic Biotransformation Technologies, and Production Processes. <i>Foods</i> , 2021, 10, 2186.	4.3	13
51	Effect of rutin on the physicochemical and gel characteristics of myofibrillar protein under oxidative stress. <i>Journal of Food Biochemistry</i> , 2021, 45, e13928.	2.9	6
52	Deoxynivalenol photocatalytic detoxification products alleviate intestinal barrier damage and gut flora disorder in BLAB/c mice. <i>Food and Chemical Toxicology</i> , 2021, 156, 112510.	3.6	15
53	Preparation, characterization, and antibiofilm activity of cinnamic acid conjugated hydroxypropyl chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 657-667.	7.5	22
54	Influence of mixture of spices on phospholipid molecules during water-boiled salted duck processing based on shotgun lipidomics. <i>Food Research International</i> , 2021, 149, 110651.	6.2	19

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55	A "turn-on" FRET aptasensor based on the metal-organic framework-derived porous carbon and silver nanoclusters for zearalenone determination. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130661.	7.8	20
56	Real-time monitoring of active caspase 3 during AFB1 induced apoptosis based on SERS-fluorescent dual mode signals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120195.	3.9	3
57	Preparation and characterization of <i>k</i> -carrageenan/konjac glucomannan/TiO ₂ nanocomposite film with efficient anti-fungal activity and its application in strawberry preservation. <i>Food Chemistry</i> , 2021, 364, 130441.	8.2	56
58	The isolation of high-affinity ssDNA aptamer for the detection of ribavirin in chicken. <i>Analytical Methods</i> , 2021, 13, 3110-3117.	2.7	7
59	Gold@silver nanodumbbell based inter-nanogap aptasensor for the surface enhanced Raman spectroscopy determination of ochratoxin A. <i>Analytica Chimica Acta</i> , 2021, 1188, 339189.	5.4	11
60	Effectively Selecting Aptamers for Targeting Aromatic Biogenic Amines and Their Application in Aptasensing Establishment. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14671-14679.	5.2	8
61	Food-Grade Expression of Manganese Peroxidases in Recombinant <i>Kluyveromyces lactis</i> and Degradation of Aflatoxin B1 Using Fermentation Supernatants. <i>Frontiers in Microbiology</i> , 2021, 12, 821230.	3.5	7
62	Assessing the toxicity in vitro of degradation products from deoxynivalenol photocatalytic degradation by using upconversion nanoparticles@TiO ₂ composite. <i>Chemosphere</i> , 2020, 238, 124648.	8.2	44
63	Enhanced visible-light photocatalytic degradation and disinfection performance of oxidized nanoporous g-C ₃ N ₄ via decoration with graphene oxide quantum dots. <i>Chinese Journal of Catalysis</i> , 2020, 41, 474-484.	14.0	41
64	A Colorimetric Strip for Rapid Detection and Real-Time Monitoring of Histamine in Fish Based on Self-Assembled Polydiacetylene Vesicles. <i>Analytical Chemistry</i> , 2020, 92, 1611-1617.	6.5	33
65	Analysis of the anti-inflammatory effect of the aptamer LA27 and its binding mechanism. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 308-313.	7.5	11
66	Polyethylenimine modified MoS ₂ nanocomposite with high stability and enhanced photothermal antibacterial activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 401, 112762.	3.9	30
67	A Highly Sensitive on-off-Time-Resolved Phosphorescence Sensor Based on Aptamer Functionalized Magnetite Nanoparticles for Cadmium Detection in Food Samples. <i>Foods</i> , 2020, 9, 1758.	4.3	6
68	Fe ₃ O ₄ @Au@Ag nanoparticles as surface-enhanced Raman spectroscopy substrates for sensitive detection of clenbuterol hydrochloride in pork with the use of aptamer binding. <i>LWT - Food Science and Technology</i> , 2020, 134, 110017.	5.2	32
69	Selection of potential aptamers for specific growth stage detection of <i>Yersinia enterocolitica</i> . <i>RSC Advances</i> , 2020, 10, 24743-24752.	3.6	8
70	A colorimetric aptamer-based method for detection of cadmium using the enhanced peroxidase-like activity of Au@MoS ₂ nanocomposites. <i>Analytical Biochemistry</i> , 2020, 608, 113844.	2.4	31
71	Application of PEG-CdSe@ZnS quantum dots for ROS imaging and evaluation of deoxynivalenol-mediated oxidative stress in living cells. <i>Food and Chemical Toxicology</i> , 2020, 146, 111834.	3.6	11
72	Structure-switching fluorescence aptasensor for sensitive detection of chloramphenicol. <i>Mikrochimica Acta</i> , 2020, 187, 505.	5.0	25

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73	A Visual and Sensitive Detection of Escherichia coli Based on Aptamer and Peroxidase-like Mimics of Copper-Metal Organic Framework Nanoparticles. <i>Food Analytical Methods</i> , 2020, 13, 1433-1441.	2.6	38
74	A Colorimetric Aptamer Sensor Based on the Enhanced Peroxidase Activity of Functionalized Graphene/Fe ₃ O ₄ -AuNPs for Detection of Lead (II) Ions. <i>Catalysts</i> , 2020, 10, 600.	3.5	27
75	Fabrication of PAA coated green-emitting AuNCs for construction of label-free FRET assembly for specific recognition of T-2 toxin. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128470.	7.8	27
76	Influence of Salt Content Used for Dry-Curing on Lipidomic Profiles during the Processing of Water-Boiled Salted Duck. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4017-4026.	5.2	15
77	Construction of Time-Resolved Luminescence Nanoprobe and Its Application in As(III) Detection. <i>Nanomaterials</i> , 2020, 10, 551.	4.1	9
78	Surface-enhanced Raman spectroscopic-based aptasensor for Shigella sonnei using a dual-functional metal complex-ligated gold nanoparticles dimer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110940.	5.0	26
79	Changes in the phospholipid molecular species in water-boiled salted duck during processing based on shotgun lipidomics. <i>Food Research International</i> , 2020, 132, 109064.	6.2	22
80	Highly efficient visible photocatalytic disinfection and degradation performances of microtubular nanoporous g-C ₃ N ₄ via hierarchical construction and defects engineering. <i>Journal of Materials Science and Technology</i> , 2020, 49, 133-143.	10.7	54
81	A SERS aptasensor for simultaneous multiple pathogens detection using gold decorated PDMS substrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118103.	3.9	51
82	A Label-Free Fluorescent Aptasensor for Detection of Staphylococcal Enterotoxin A Based on Aptamer-Functionalized Silver Nanoclusters. <i>Polymers</i> , 2020, 12, 152.	4.5	24
83	Flexible paper-based SERS substrate strategy for rapid detection of methyl parathion on the surface of fruit. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 231, 118104.	3.9	49
84	Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C ₃ N ₄ n-n heterojunction via π - π interaction and interfacial charge separation. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118933.	20.2	161
85	Photocatalysis and degradation products identification of deoxynivalenol in wheat using upconversion nanoparticles@TiO ₂ composite. <i>Food Chemistry</i> , 2020, 323, 126823.	8.2	40
86	A novel fluorescent aptasensor for aflatoxin M ₁ detection using rolling circle amplification and g-C ₃ N ₄ as fluorescence quencher. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128049.	7.8	46
87	Competitive HRP-Linked Colorimetric Aptasensor for the Detection of Fumonisin B ₁ in Food based on Dual Biotin-Streptavidin Interaction. <i>Biosensors</i> , 2020, 10, 31.	4.7	18
88	Effects of different freezing methods on the quality of conditioned beef steaks during storage. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14496.	2.0	5
89	Changes in the microbial communities in vacuum-packaged smoked bacon during storage. <i>Food Microbiology</i> , 2019, 77, 26-37.	4.2	51
90	Enhanced visible-light-induced photocatalytic degradation and disinfection activities of oxidized porous g-C ₃ N ₄ by loading Ag nanoparticles. <i>Catalysis Today</i> , 2019, 332, 227-235.	4.4	83

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91	Selection and application of ssDNA aptamers against spermine based on Capture-SELEX. <i>Analytica Chimica Acta</i> , 2019, 1081, 168-175.	5.4	35
92	A fluorescence polarization aptasensor coupled with polymerase chain reaction and streptavidin for chloramphenicol detection. <i>Talanta</i> , 2019, 205, 120119.	5.5	28
93	A "turn-on" aptasensor for simultaneous and time-resolved fluorometric determination of zearalenone, trichothecenes A and aflatoxin B1 using WS2 as a quencher. <i>Mikrochimica Acta</i> , 2019, 186, 575.	5.0	40
94	Recent advances and perspectives of aggregation-induced emission as an emerging platform for detection and bioimaging. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115637.	11.4	62
95	Aptamer Induced Multicolored AuNCs-WS ₂ "Turn on" FRET Nano Platform for Dual-Color Simultaneous Detection of Aflatoxin B ₁ and Zearalenone. <i>Analytical Chemistry</i> , 2019, 91, 14085-14092.	6.5	96
96	Quantum Dot-Based FOF1-ATPase Aptasensor for <i>Vibrio parahaemolyticus</i> Detection. <i>Food Analytical Methods</i> , 2019, 12, 1849-1857.	2.6	4
97	Surface-enhanced Raman spectroscopic single step detection of <i>Vibrio parahaemolyticus</i> using gold coated polydimethylsiloxane as the active substrate and aptamer modified gold nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 401.	5.0	17
98	Surface-Enhanced Raman Scattering-Fluorescence Dual-Mode Nanosensors for Quantitative Detection of Cytochrome c in Living Cells. <i>Analytical Chemistry</i> , 2019, 91, 6600-6607.	6.5	56
99	High antibacterial activity of chitosan " molybdenum disulfide nanocomposite. <i>Carbohydrate Polymers</i> , 2019, 215, 226-234.	10.2	78
100	Colorimetric Aptasensor Based on Truncated Aptamer and Trivalent DNAzyme for <i>Vibrio parahemolyticus</i> Determination. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2313-2320.	5.2	81
101	Simultaneous detection of fumonisin B1 and ochratoxin A using dual-color, time-resolved luminescent nanoparticles (NaYF ₄ : Ce, Tb and NH ₂ -Eu/DPA@SiO ₂) as labels. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1453-1465.	3.7	28
102	Fluorometric determination of lipopolysaccharides via changes of the graphene oxide-enhanced fluorescence polarization caused by truncated aptamers. <i>Mikrochimica Acta</i> , 2019, 186, 173.	5.0	35
103	A comprehensive review on the prevalence, pathogenesis and detection of <i>Yersinia enterocolitica</i> . <i>RSC Advances</i> , 2019, 9, 41010-41021.	3.6	27
104	Unprecedented effect of CO ₂ calcination atmosphere on photocatalytic H ₂ production activity from water using g-C ₃ N ₄ synthesized from triazole polymerization. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 141-148.	20.2	62
105	Real-time and in-situ monitoring of Abrin induced cell apoptosis by using SERS spectroscopy. <i>Talanta</i> , 2019, 195, 8-16.	5.5	23
106	GO-amplified fluorescence polarization assay for high-sensitivity detection of aflatoxin B1 with low dosage aptamer probe. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1107-1115.	3.7	29
107	Polydimethylsiloxane Gold Nanoparticle Composite Film as Structure for Aptamer-Based Detection of <i>Vibrio parahaemolyticus</i> by Surface-Enhanced Raman Spectroscopy. <i>Food Analytical Methods</i> , 2019, 12, 595-603.	2.6	26
108	A novel bioassay based on aptamer-functionalized magnetic nanoparticle for the detection of zearalenone using time resolved-fluorescence NaYF ₄ : Ce/Tb nanoparticles as signal probe. <i>Talanta</i> , 2018, 186, 97-103.	5.5	60

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109	Aptamer-Based Lateral Flow Test Strip for Rapid Detection of Zearalenone in Corn Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1949-1954.	5.2	148
110	Recyclable (Fe ₃ O ₄ -NaYF ₄ :Yb,Tm)@TiO ₂ nanocomposites with near-infrared enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2018, 47, 1666-1673.	3.3	30
111	Selection and characterization, application of a DNA aptamer targeted to <i>Streptococcus pyogenes</i> in cooked chicken. <i>Analytical Biochemistry</i> , 2018, 551, 37-42.	2.4	16
112	Aptamer-based FOF1-ATPase biosensor for <i>Salmonella typhimurium</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2582-2588.	7.8	17
113	Evolution of Volatile Compounds and Spoilage Bacteria in Smoked Bacon during Refrigeration Using an E-Nose and GC-MS Combined with Partial Least Squares Regression. <i>Molecules</i> , 2018, 23, 3286.	3.8	31
114	A test strip for ochratoxin A based on the use of aptamer-modified fluorescence upconversion nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 497.	5.0	64
115	Silver nanoclusters based FRET aptasensor for sensitive and selective fluorescent detection of T-2 toxin. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 328-335.	7.8	70
116	Magnetic Separation-Based Multiple SELEX for Effectively Selecting Aptamers against Saxitoxin, Domoic Acid, and Tetrodotoxin. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9801-9809.	5.2	51
117	Fluorometric determination of <i>Vibrio parahaemolyticus</i> using an FOF1-ATPase-based aptamer and labeled chromatophores. <i>Mikrochimica Acta</i> , 2018, 185, 304.	5.0	8
118	Nanogapped Au(core) @ Au-Ag(shell) structures coupled with Fe ₃ O ₄ magnetic nanoparticles for the detection of Ochratoxin A. <i>Analytica Chimica Acta</i> , 2018, 1033, 165-172.	5.4	65
119	Selection, Identification, and Binding Mechanism Studies of an ssDNA Aptamer Targeted to Different Stages of <i>E. coli</i> O157:H7. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5677-5682.	5.2	54
120	Purification, characterization, and gene cloning of a new cold-adapted β -galactosidase from <i>Erwinia</i> sp. E602 isolated in northeast China. <i>Journal of Dairy Science</i> , 2018, 101, 6946-6954.	3.4	16
121	Aptamer based SERS detection of <i>Salmonella typhimurium</i> using DNA-assembled gold nanodimers. <i>Mikrochimica Acta</i> , 2018, 185, 325.	5.0	71
122	An enhanced chemiluminescence resonance energy transfer aptasensor based on rolling circle amplification and WS ₂ nanosheet for <i>Staphylococcus aureus</i> detection. <i>Analytica Chimica Acta</i> , 2017, 959, 83-90.	5.4	59
123	A novel aptasensor for the colorimetric detection of <i>S. typhimurium</i> based on gold nanoparticles. <i>International Journal of Food Microbiology</i> , 2017, 245, 1-5.	4.7	62
124	An ultrasensitive aptasensor for Ochratoxin A using hexagonal core/shell upconversion nanoparticles as luminophores. <i>Biosensors and Bioelectronics</i> , 2017, 91, 538-544.	10.1	61
125	Ultrasensitive SERS aptasensor for the detection of oxytetracycline based on a gold-enhanced nano-assembly. <i>Talanta</i> , 2017, 165, 412-418.	5.5	60
126	An ssDNA library immobilized SELEX technique for selection of an aptamer against ractopamine. <i>Analytica Chimica Acta</i> , 2017, 961, 100-105.	5.4	44

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127	An Update on Aptamer-Based Multiplex System Approaches for the Detection of Common Foodborne Pathogens. <i>Food Analytical Methods</i> , 2017, 10, 2549-2565.	2.6	20
128	Selection and Application of ssDNA Aptamers against Clenbuterol Hydrochloride Based on ssDNA Library Immobilized SELEX. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1771-1777.	5.2	48
129	A Novel Colorimetric Detection of <i>S. typhimurium</i> Based on Fe ₃ O ₄ Magnetic Nanoparticles and Gold Nanoparticles. <i>Food Analytical Methods</i> , 2017, 10, 2735-2742.	2.6	13
130	A competitive fluorescent aptasensor for okadaic acid detection assisted by rolling circle amplification. <i>Mikrochimica Acta</i> , 2017, 184, 2893-2899.	5.0	24
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