

Zhouping Wang

List of Publications by Year in Descending Order

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

199
papers

6,139
citations

44
h-index

69
g-index

207
ext. papers

7,727
ext. citations

6.3
avg, IF

6.47
L-index

#	Paper	IF	Citations
199	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	8.5	4
198	Strategies to manipulate the performance of aptamers in SELEX, post-SELEX and microenvironment.. <i>Biotechnology Advances</i> , 2022 , 55, 107902	17.8	7
197	Research update of emergent gold nanoclusters: A reinforced approach towards evolution, synthesis mechanism and application.. <i>Talanta</i> , 2022 , 241, 123228	6.2	0
196	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	8.5	1
195	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 ,	7.3	1
194	Photodynamic chitosan functionalized MoS nanocomposite with enhanced and broad-spectrum antibacterial activity. <i>Carbohydrate Polymers</i> , 2022 , 277, 118808	10.3	4
193	Sensitive detection of patulin based on DNase I-assisted fluorescent aptasensor by using AuNCs-modified truncated aptamer. <i>Food Control</i> , 2022 , 131, 108430	6.2	7
192	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	8.5	6
191	Signal amplification of SiO 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	4.4	1
190	Preparation of recombinant <i>Kluyveromyces lactis</i> agents for simultaneous degradation of two mycotoxins.. <i>AMB Express</i> , 2022 , 12, 20	4.1	
189	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	7.9	0
188	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	12.8	0
187	CRISPR-Cas12a-mediated luminescence resonance energy transfer aptasensing platform for deoxynivalenol using gold nanoparticle-decorated TiCT MXene as the enhanced quencher.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128750	12.8	6
186	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	11.8	0
185	A simplified fluorescent lateral flow assay for melamine based on aggregation induced emission of gold nanoclusters.. <i>Food Chemistry</i> , 2022 , 385, 132670	8.5	2
184	Investigation of volatile flavor compounds and characterization of aroma-active compounds of water-boiled salted duck using GC-MS-O, GC-IMS, and E-nose.. <i>Food Chemistry</i> , 2022 , 386, 132728	8.5	5
183	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	6.2	2

182	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	9.1	0
181	Selection, truncation and fluorescence polarization based aptasensor for <i>Weissella viridescens</i> detection. <i>Talanta</i> , 2022 , 123499	6.2	0
180	Split aptamer acquisition mechanisms and current application in antibiotics detection: a short review.. <i>Critical Reviews in Food Science and Nutrition</i> , 2022 , 1-12	11.5	1
179	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	21.8	2
178	Colorimetric aptasensor targeting Zearalenone developed based on the hyaluronic Acid-DNA hydrogel and bimetallic MOFzyme. <i>Biosensors and Bioelectronics</i> , 2022 , 114366	11.8	2
177	Application of Nanomaterials for Coping with Mycotoxin Contamination in Food Safety: From Detection to Control.. <i>Critical Reviews in Analytical Chemistry</i> , 2022 , 1-34	5.2	0
176	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	5.7	0
175	Fluorescence imaging of glutathione with aptasensor and monitoring deoxynivalenol-induced oxidative stress in living cells. <i>Sensors and Actuators B: Chemical</i> , 2021 , 131190	8.5	1
174	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	6.6	3
173	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> , 2021 , 352, 130985	8.5	2
172	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> , 2021 , 267, 120542	4.4	3
171	Nuclease-assisted target recycling signal amplification strategy for graphene quantum dot-based fluorescent detection of marine biotoxins. <i>Mikrochimica Acta</i> , 2021 , 188, 118	5.8	2
170	Research Progress of Optical Aptasensors Based on AuNPs in Food Safety. <i>Food Analytical Methods</i> , 2021 , 14, 2136-2151	3.4	4
169	Fabrication of gold/silver nanodimer SERS probes for the simultaneous detection of <i>Salmonella typhimurium</i> and <i>Staphylococcus aureus</i> . <i>Mikrochimica Acta</i> , 2021 , 188, 202	5.8	3
168	A general strategy to synthesis chitosan oligosaccharide-O-Terpenol derivatives with antibacterial properties. <i>Carbohydrate Research</i> , 2021 , 503, 108315	2.9	3
167	Screening and application of a broad-spectrum aptamer for acyclic guanosine analogues. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 4855-4863	4.4	3
166	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,	5.2	6
165	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	5.6	9

164	Facile synthesis and antibacterial activity of geraniol conjugated chitosan oligosaccharide derivatives. <i>Carbohydrate Polymers</i> , 2021 , 251, 117099	10.3	22
163	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	10	12
162	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,	4.9	3
161	Capture-SELEX for aptamer selection: A short review. <i>Talanta</i> , 2021 , 229, 122274	6.2	29
160	Chlorin e6 conjugated chitosan as an efficient photoantimicrobial agent. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 1309-1316	7.9	7
159	An all-organic 0D/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	21.8	28
158	High-affinity aptamer of allergen β -lactoglobulin: Selection, recognition mechanism and application. <i>Sensors and Actuators B: Chemical</i> , 2021 , 340, 129956	8.5	12
157	Label free structure-switching fluorescence polarization detection of chloramphenicol with truncated aptamer. <i>Talanta</i> , 2021 , 230, 122349	6.2	11
156	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	12.8	5
155	A phosphorescence resonance energy transfer-based "off-on" long afterglow aptasensor for cadmium detection in food samples. <i>Talanta</i> , 2021 , 232, 122409	6.2	1
154	Research Advances of d-allulose: An Overview of Physiological Functions, Enzymatic Biotransformation Technologies, and Production Processes. <i>Foods</i> , 2021 , 10,	4.9	3
153	Effect of rutin on the physicochemical and gel characteristics of myofibrillar protein under oxidative stress. <i>Journal of Food Biochemistry</i> , 2021 , 45, e13928	3.3	1
152	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	4.7	3
151	Preparation, characterization, and antibiofilm activity of cinnamic acid conjugated hydroxypropyl chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2021 , 189, 657-667	7.9	4
150	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	7	2
149	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	8.5	2
148	Real-time monitoring of active caspase 3 during AFB ₁ induced apoptosis based on SERS-fluorescent dual mode signals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 263, 120195	4.4	1
147	Preparation and characterization of k-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	8.5	11

146	The isolation of high-affinity ssDNA aptamer for the detection of ribavirin in chicken. <i>Analytical Methods</i> , 2021 , 13, 3110-3117	3.2	2
145	Food-Grade Expression of Manganese Peroxidases in Recombinant and Degradation of Aflatoxin B Using Fermentation Supernatants.. <i>Frontiers in Microbiology</i> , 2021 , 12, 821230	5.7	0
144	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	3.4	16
143	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	4	12
142	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	8.5	11
141	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	5.7	4
140	Construction of Time-Resolved Luminescence Nanoprobe and Its Application in As(III) Detection. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
139	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	6	13
138	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	7	12
137	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	9.1	36
136	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	4.4	21
135	A Label-Free Fluorescent Aptasensor for Detection of Staphylococcal Enterotoxin A Based on Aptamer-Functionalized Silver Nanoclusters. <i>Polymers</i> , 2020 , 12,	4.5	10
134	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	4.4	22
133	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	21.8	82
132	Photocatalysis and degradation products identification of deoxynivalenol in wheat using upconversion nanoparticles@TiO ₂ composite. <i>Food Chemistry</i> , 2020 , 323, 126823	8.5	21
131	A novel fluorescent aptasensor for aflatoxin M1 detection using rolling circle amplification and g-C ₃ N ₄ as fluorescence quencher. <i>Sensors and Actuators B: Chemical</i> , 2020 , 315, 128049	8.5	25
130	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	2.1	5
129	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	11.3	19

128	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	7.8	17
127	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	7.9	5
126	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	4.7	11
125	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,	4.9	1
124	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	5.4	9
123	Selection of potential aptamers for specific growth stage detection of .. <i>RSC Advances</i> , 2020 , 10, 24743-24752	4.7	2
122	A colorimetric aptamer-based method for detection of cadmium using the enhanced peroxidase-like activity of Au-MoS nanocomposites. <i>Analytical Biochemistry</i> , 2020 , 608, 113844	3.1	13
121	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	4.7	8
120	Structure-switching fluorescence aptasensor for sensitive detection of chloramphenicol. <i>Mikrochimica Acta</i> , 2020 , 187, 505	5.8	8
119	Assessing the toxicity in vitro of degradation products from deoxynivalenol photocatalytic degradation by using upconversion nanoparticles@TiO composite. <i>Chemosphere</i> , 2020 , 238, 124648	8.4	24
118	Competitive HRP-Linked Colorimetric Aptasensor for the Detection of Fumonisin B1 in Food based on Dual Biotin-Streptavidin Interaction. <i>Biosensors</i> , 2020 , 10,	5.9	12
117	Aptamer Induced Multicolored AuNCs-WS "Turn on" FRET Nano Platform for Dual-Color Simultaneous Detection of AflatoxinB and Zearalenone. <i>Analytical Chemistry</i> , 2019 , 91, 14085-14092	7.8	56
116	Quantum Dot-Based F0F1-ATPase Aptasensor for Vibrio parahaemolyticus Detection. <i>Food Analytical Methods</i> , 2019 , 12, 1849-1857	3.4	4
115	Surface-enhanced Raman spectroscopic single step detection of Vibrio parahaemolyticus using gold coated polydimethylsiloxane as the active substrate and aptamer modified gold nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 401	5.8	10
114	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	7.8	33
113	High antibacterial activity of chitosan - molybdenum disulfide nanocomposite. <i>Carbohydrate Polymers</i> , 2019 , 215, 226-234	10.3	43
112	Colorimetric Aptasensor Based on Truncated Aptamer and Trivalent DNAzyme for Vibrio parahemolyticus Determination. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 2313-2320	5.7	49
111	Simultaneous detection of fumonisin B and ochratoxin A using dual-color, time-resolved luminescent nanoparticles (NaYF ₃ : Ce, Tb and NH-Eu/DPA@SiO) as labels. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1453-1465	4.4	21

110	Changes in the microbial communities in vacuum-packaged smoked bacon during storage. <i>Food Microbiology</i> , 2019 , 77, 26-37	6	27
109	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	5.3	57
108	Selection and application of ssDNA aptamers against spermine based on Capture-SELEX. <i>Analytica Chimica Acta</i> , 2019 , 1081, 168-175	6.6	20
107	A fluorescence polarization aptasensor coupled with polymerase chain reaction and streptavidin for chloramphenicol detection. <i>Talanta</i> , 2019 , 205, 120119	6.2	19
106	A "turnon" aptasensor for simultaneous and time-resolved fluorometric determination of zearalenone, trichothecenes A and aflatoxin B using WS as a quencher. <i>Mikrochimica Acta</i> , 2019 , 186, 575	5.8	21
105	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	14.6	31
104	Fluorometric determination of lipopolysaccharides via changes of the graphene oxide-enhanced fluorescence polarization caused by truncated aptamers. <i>Mikrochimica Acta</i> , 2019 , 186, 173	5.8	22
103	A comprehensive review on the prevalence, pathogenesis and detection of .. <i>RSC Advances</i> , 2019 , 9, 41010-41024	3.7	41
102	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	21.8	41
101	Real-time and in-situ monitoring of Abrin induced cell apoptosis by using SERS spectroscopy. <i>Talanta</i> , 2019 , 195, 8-16	6.2	16
100	GO-amplified fluorescence polarization assay for high-sensitivity detection of aflatoxin B with low dosage aptamer probe. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1107-1115	4.4	14
99	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	3.4	16
98	A novel bioassay based on aptamer-functionalized magnetic nanoparticle for the detection of zearalenone using time resolved-fluorescence NaYF ₃ : Ce/Tb nanoparticles as signal probe. <i>Talanta</i> , 2018 , 186, 97-103	6.2	43
97	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	5.7	98
96	Recyclable (FeO-NaYF ₃ :Yb,Tm)@TiO ₂ nanocomposites with near-infrared enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2018 , 47, 1666-1673	4.3	21
95	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	3.1	9
94	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	4	13
93	Aptamer based SERS detection of <i>Salmonella typhimurium</i> using DNA-assembled gold nanodimers. <i>Mikrochimica Acta</i> , 2018 , 185, 325	5.8	52

92	Aptamer-based FOF1-ATPase biosensor for Salmonella typhimurium detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2582-2588	8.5	14
91	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,	4.8	15
90	A test strip for ochratoxin A based on the use of aptamer-modified fluorescence upconversion nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 497	5.8	44
89	Development of Aptamer-Based Non-labeling Methods 2018 , 301-343		
88	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	8.5	44
87	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	5.7	37
86	Fluorometric determination of Vibrio parahaemolyticus using an FF-ATPase-based aptamer and labeled chromatophores. <i>Mikrochimica Acta</i> , 2018 , 185, 304	5.8	7
85	Nanogapped Au @ Au-Ag structures coupled with FeO magnetic nanoparticles for the detection of Ochratoxin A. <i>Analytica Chimica Acta</i> , 2018 , 1033, 165-172	6.6	46
84	Selection, Identification, and Binding Mechanism Studies of an ssDNA Aptamer Targeted to Different Stages of E. coli O157:H7. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 5677-5682	5.7	40
83	An enhanced chemiluminescence resonance energy transfer aptasensor based on rolling circle amplification and WS nanosheet for Staphylococcus aureus detection. <i>Analytica Chimica Acta</i> , 2017 , 959, 83-90	6.6	46
82	A novel aptasensor for the colorimetric detection of S. typhimurium based on gold nanoparticles. <i>International Journal of Food Microbiology</i> , 2017 , 245, 1-5	5.8	40
81	An ultrasensitive aptasensor for Ochratoxin A using hexagonal core/shell upconversion nanoparticles as luminophores. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 538-544	11.8	46
80	Ultrasensitive SERS aptasensor for the detection of oxytetracycline based on a gold-enhanced nano-assembly. <i>Talanta</i> , 2017 , 165, 412-418	6.2	40
79	An ssDNA library immobilized SELEX technique for selection of an aptamer against ractopamine. <i>Analytica Chimica Acta</i> , 2017 , 961, 100-105	6.6	33
78	An Update on Aptamer-Based Multiplex System Approaches for the Detection of Common Foodborne Pathogens. <i>Food Analytical Methods</i> , 2017 , 10, 2549-2565	3.4	14
77	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	5.7	31
76	A Novel Colorimetric Detection of S. typhimurium Based on Fe ₃ O ₄ Magnetic Nanoparticles and Gold Nanoparticles. <i>Food Analytical Methods</i> , 2017 , 10, 2735-2742	3.4	11
75	A competitive fluorescent aptasensor for okadaic acid detection assisted by rolling circle amplification. <i>Mikrochimica Acta</i> , 2017 , 184, 2893-2899	5.8	15

74	Graphene oxide wrapped Fe ₃ O ₄ @Au nanostructures as substrates for aptamer-based detection of <i>Vibrio parahaemolyticus</i> by surface-enhanced Raman spectroscopy. <i>Mikrochimica Acta</i> , 2017 , 184, 2653-2660	5.8	41
73	Aptasensors for quantitative detection of <i>Salmonella Typhimurium</i> . <i>Analytical Biochemistry</i> , 2017 , 533, 18-25	3.1	34
72	A chemiluminescent aptasensor based on rolling circle amplification and Co/N-(aminobutyl)-N-(ethylisoluminol) functional flowerlike gold nanoparticles for <i>Salmonella typhimurium</i> detection. <i>Talanta</i> , 2017 , 164, 275-282	6.2	21
71	Photocatalytic degradation of microcystin-LR with a nanostructured photocatalyst based on upconversion nanoparticles@TiO composite under simulated solar lights. <i>Scientific Reports</i> , 2017 , 7, 14435	4.9	21
70	Colorimetric aptasensor for the detection of <i>Salmonella enterica</i> serovar typhimurium using ZnFeO-reduced graphene oxide nanostructures as an effective peroxidase mimetics. <i>International Journal of Food Microbiology</i> , 2017 , 261, 42-48	5.8	38
69	Homogeneous time-resolved FRET assay for the detection of <i>Salmonella typhimurium</i> using aptamer-modified NaYF ₄ :Ce/Tb nanoparticles and a fluorescent DNA label. <i>Mikrochimica Acta</i> , 2017 , 184, 4021-4027	5.8	17
68	Orientation selection of broad-spectrum aptamers against lipopolysaccharides based on capture-SELEX by using magnetic nanoparticles. <i>Mikrochimica Acta</i> , 2017 , 184, 4235-4242	5.8	19
67	Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-CN Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27727-27735	9.5	242
66	Upconversion nanoparticles grafted molybdenum disulfide nanosheets platform for microcystin-LR sensing. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 203-209	11.8	65
65	Impedimetric <i>Salmonella</i> aptasensor using a glassy carbon electrode modified with an electrodeposited composite consisting of reduced graphene oxide and carbon nanotubes. <i>Mikrochimica Acta</i> , 2016 , 183, 337-344	5.8	77
64	Mycotoxigenic Potentials of <i>Fusarium</i> Species in Various Culture Matrices Revealed by Mycotoxin Profiling. <i>Toxins</i> , 2016 , 9,	4.9	39
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47	Selection, identification, and application of dual DNA aptamers against Shigella sonnei. <i>Analytical Methods</i> , 2015 , 7, 3625-3631	3.2	15
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45	Homogeneous time-resolved fluorescence assay for the detection of ricin using an aptamer immobilized on europium-doped KGdF ₄ nanoparticles and graphene oxide as a quencher. <i>Mikrochimica Acta</i> , 2015 , 182, 1035-1043	5.8	8
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43	Upconversion luminescence resonance energy transfer-based aptasensor for the sensitive detection of oxytetracycline. <i>Analytical Biochemistry</i> , 2015 , 489, 44-9	3.1	28
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