

# Zhouping Wang

## List of Publications by Citations

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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	Multiplexed fluorescence resonance energy transfer aptasensor between upconversion nanoparticles and graphene oxide for the simultaneous determination of mycotoxins. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6263-70	7.8	265
198	Simultaneous aptasensor for multiplex pathogenic bacteria detection based on multicolor upconversion nanoparticles labels. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3100-7	7.8	247
197	Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-CN Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27727-27735 <sup>242</sup>	9.5	242
196	Gold nanoparticles enhanced SERS aptasensor for the simultaneous detection of Salmonella typhimurium and Staphylococcus aureus. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 872-7	11.8	178
195	Aptamer-based fluorescence biosensor for chloramphenicol determination using upconversion nanoparticles. <i>Food Control</i> , <b>2015</b> , 50, 597-604	6.2	160
194	An aptamer-based electrochemical biosensor for the detection of Salmonella. <i>Journal of Microbiological Methods</i> , <b>2014</b> , 98, 94-8	2.8	146
193	Selection and characterization of aptamers against Salmonella typhimurium using whole-bacterium Systemic Evolution of Ligands by Exponential Enrichment (SELEX). <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 3229-34	5.7	120
192	Aptamer-functionalized magnetic nanoparticle-based bioassay for the detection of ochratoxin A using upconversion nanoparticles as labels. <i>Analyst, The</i> , <b>2011</b> , 136, 2306-14	5	120
191	Selection and identification of a DNA aptamer targeted to Vibrio parahemolyticus. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 4034-8	5.7	109
190	Simultaneous detection of pathogenic bacteria using an aptamer based biosensor and dual fluorescence resonance energy transfer from quantum dots to carbon nanoparticles. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 917-923	5.8	108
189	Aptamer-Based Lateral Flow Test Strip for Rapid Detection of Zearalenone in Corn Samples. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1949-1954	5.7	98
188	Advances in aptasensors for the detection of food contaminants. <i>Analyst, The</i> , <b>2016</b> , 141, 3942-61	5	94
187	A sensitive gold nanoparticle-based colorimetric aptasensor for Staphylococcus aureus. <i>Talanta</i> , <b>2014</b> , 127, 163-8	6.2	84
186	Impedimetric aptasensor for Staphylococcus aureus based on nanocomposite prepared from reduced graphene oxide and gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 967-974	5.8	83
185	Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C <sub>3</sub> N <sub>4</sub> n-n heterojunction via $\pi$ - $\pi$ interaction and interfacial charge separation. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 271, 118933	21.8	82
184	Salmonella typhimurium detection using a surface-enhanced Raman scattering-based aptasensor. <i>International Journal of Food Microbiology</i> , <b>2016</b> , 218, 38-43	5.8	80
183	Impedimetric Salmonella aptasensor using a glassy carbon electrode modified with an electrodeposited composite consisting of reduced graphene oxide and carbon nanotubes. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 337-344	5.8	77

182	Selection and identification of ssDNA aptamers recognizing zearalenone. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 6573-81	4.4	76
181	A Review of the Methods for Detection of Staphylococcus aureus Enterotoxins. <i>Toxins</i> , <b>2016</b> , 8,	4.9	76
180	Dual fluorescence resonance energy transfer assay between tunable upconversion nanoparticles and controlled gold nanoparticles for the simultaneous detection of Pb <sup>2+</sup> and Hg <sup>2+</sup> . <i>Talanta</i> , <b>2014</b> , 128, 327-36	6.2	72
179	Selection, identification and application of a DNA aptamer against <i>Listeria monocytogenes</i> . <i>Food Control</i> , <b>2013</b> , 33, 239-243	6.2	67
178	Upconversion nanoparticles grafted molybdenum disulfide nanosheets platform for microcystin-LR sensing. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 90, 203-209	11.8	65
177	Electrochemiluminescent aptamer biosensor for the determination of ochratoxin A at a gold-nanoparticles-modified gold electrode using N-(aminobutyl)-N-ethylisoluminol as a luminescent label. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 2125-32	4.4	65
176	A dual-color flow cytometry protocol for the simultaneous detection of <i>Vibrio parahaemolyticus</i> and <i>Salmonella typhimurium</i> using aptamer conjugated quantum dots as labels. <i>Analytica Chimica Acta</i> , <b>2013</b> , 804, 151-8	6.6	62
175	Selection and characterization of DNA aptamers against <i>Staphylococcus aureus</i> enterotoxin C1. <i>Food Chemistry</i> , <b>2015</b> , 166, 623-629	8.5	61
174	A luminescence resonance energy transfer based aptasensor for the mycotoxin Ochratoxin A using upconversion nanoparticles and gold nanorods. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 1909-1916	5.8	60
173	Screening and development of DNA aptamers as capture probes for colorimetric detection of patulin. <i>Analytical Biochemistry</i> , <b>2016</b> , 508, 58-64	3.1	58
172	Screening and identification of DNA aptamers against T-2 toxin assisted by graphene oxide. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 10368-74	5.7	58
171	Enhanced visible-light-induced photocatalytic degradation and disinfection activities of oxidized porous g-C <sub>3</sub> N <sub>4</sub> by loading Ag nanoparticles. <i>Catalysis Today</i> , <b>2019</b> , 332, 227-235	5.3	57
170	Aptamer Induced Multicolored AuNCs-WS "Turn on" FRET Nano Platform for Dual-Color Simultaneous Detection of Aflatoxin B and Zearalenone. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14085-14092	7.8	56
169	Selection, identification, and application of Aflatoxin B1 aptamer. <i>European Food Research and Technology</i> , <b>2014</b> , 238, 919-925	3.4	56
168	Graphene oxide-assisted non-immobilized SELEX of okadaic acid aptamer and the analytical application of aptasensor. <i>Scientific Reports</i> , <b>2016</b> , 6, 21665	4.9	55
167	Signal amplified strategy based on target-induced strand release coupling cleavage of nicking endonuclease for the ultrasensitive detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 39, 145-51	11.8	54
166	Colorimetric Aptasensor Based on Enzyme for the Detection of <i>Vibrio parahaemolyticus</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 7849-54	5.7	52
165	Aptamer based SERS detection of <i>Salmonella typhimurium</i> using DNA-assembled gold nanodimers. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 325	5.8	52

164	A highly sensitive fluorescence resonance energy transfer aptasensor for staphylococcal enterotoxin B detection based on exonuclease-catalyzed target recycling strategy. <i>Analytica Chimica Acta</i> , <b>2013</b> , 782, 59-66	6.6	52
163	Colorimetric Aptasensor Based on Truncated Aptamer and Trivalent DNAzyme for <i>Vibrio parahaemolyticus</i> Determination. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 2313-2320	5.7	49
162	Impedimetric aptamer-based determination of the mold toxin fumonisin B1. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 1709-1714	5.8	48
161	A visual detection method for <i>Salmonella Typhimurium</i> based on aptamer recognition and nanogold labeling. <i>Food Control</i> , <b>2014</b> , 37, 188-192	6.2	47
160	An enhanced chemiluminescence resonance energy transfer aptasensor based on rolling circle amplification and WS nanosheet for <i>Staphylococcus aureus</i> detection. <i>Analytica Chimica Acta</i> , <b>2017</b> , 959, 83-90	6.6	46
159	An ultrasensitive aptasensor for Ochratoxin A using hexagonal core/shell upconversion nanoparticles as luminophores. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 538-544	11.8	46
158	Nanogapped Au @ Au-Ag structures coupled with FeO magnetic nanoparticles for the detection of Ochratoxin A. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1033, 165-172	6.6	46
157	A multicolor time-resolved fluorescence aptasensor for the simultaneous detection of multiplex <i>Staphylococcus aureus</i> enterotoxins in the milk. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 170-6	11.8	45
156	<i>Vibrio parahaemolyticus</i> detection aptasensor using surface-enhanced Raman scattering. <i>Food Control</i> , <b>2016</b> , 63, 122-127	6.2	44
155	A test strip for ochratoxin A based on the use of aptamer-modified fluorescence upconversion nanoparticles. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 497	5.8	44
154	Silver nanoclusters based FRET aptasensor for sensitive and selective fluorescent detection of T-2 toxin. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 277, 328-335	8.5	44
153	High antibacterial activity of chitosan - molybdenum disulfide nanocomposite. <i>Carbohydrate Polymers</i> , <b>2019</b> , 215, 226-234	10.3	43
152	A novel bioassay based on aptamer-functionalized magnetic nanoparticle for the detection of zearalenone using time resolved-fluorescence NaYF: Ce/Tb nanoparticles as signal probe. <i>Talanta</i> , <b>2018</b> , 186, 97-103	6.2	43
151	Graphene oxide wrapped Fe <sub>3</sub> O <sub>4</sub> @Au nanostructures as substrates for aptamer-based detection of <i>Vibrio parahaemolyticus</i> by surface-enhanced Raman spectroscopy. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 2653-2660	5.8	41
150	Unprecedented effect of CO <sub>2</sub> calcination atmosphere on photocatalytic H <sub>2</sub> production activity from water using g-C <sub>3</sub> N <sub>4</sub> synthesized from triazole polymerization. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 241, 141-148	21.8	41
149	A novel aptasensor for the colorimetric detection of <i>S. typhimurium</i> based on gold nanoparticles. <i>International Journal of Food Microbiology</i> , <b>2017</b> , 245, 1-5	5.8	40
148	Ultrasensitive SERS aptasensor for the detection of oxytetracycline based on a gold-enhanced nano-assembly. <i>Talanta</i> , <b>2017</b> , 165, 412-418	6.2	40
147	In vitro selection of a DNA aptamer targeted against <i>Shigella dysenteriae</i> . <i>Journal of Microbiological Methods</i> , <b>2013</b> , 94, 170-4	2.8	40

146	Simultaneous detection of microcystin-LR and okadaic acid using a dual fluorescence resonance energy transfer aptasensor. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 1303-12	4.4	40
145	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> , <b>2018</b> , 66, 5677-5682	5.7	40
144	Mycotoxigenic Potentials of Fusarium Species in Various Culture Matrices Revealed by Mycotoxin Profiling. <i>Toxins</i> , <b>2016</b> , 9,	4.9	39
143	Colorimetric aptasensor for the detection of Salmonella enterica serovar typhimurium using ZnFeO-reduced graphene oxide nanostructures as an effective peroxidase mimetics. <i>International Journal of Food Microbiology</i> , <b>2017</b> , 261, 42-48	5.8	38
142	Selection, identification and application of a DNA aptamer against Staphylococcus aureus enterotoxin A. <i>Analytical Methods</i> , <b>2014</b> , 6, 690-697	3.2	37
141	Gold Nanoparticle-Based Fluorescence Resonance Energy Transfer Aptasensor for Ochratoxin A Detection. <i>Analytical Letters</i> , <b>2012</b> , 45, 714-723	2.2	37
140	Magnetic Separation-Based Multiple SELEX for Effectively Selecting Aptamers against Saxitoxin, Domoic Acid, and Tetrodotoxin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 9801-9809	5.7	37
139	Highly efficient visible photocatalytic disinfection and degradation performances of microtubular nanoporous g-C <sub>3</sub> N <sub>4</sub> via hierarchical construction and defects engineering. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 49, 133-143	9.1	36
138	Aptasensors for quantitative detection of Salmonella Typhimurium. <i>Analytical Biochemistry</i> , <b>2017</b> , 533, 18-25	3.1	34
137	Selection and characterization of single stranded DNA aptamers recognizing fumonisin B1. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 1317-1324	5.8	34
136	An ssDNA library immobilized SELEX technique for selection of an aptamer against ractopamine. <i>Analytica Chimica Acta</i> , <b>2017</b> , 961, 100-105	6.6	33
135	Surface-Enhanced Raman Scattering-Fluorescence Dual-Mode Nanosensors for Quantitative Detection of Cytochrome c in Living Cells. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 6600-6607	7.8	33
134	Selection and Application of ssDNA Aptamers against Clenbuterol Hydrochloride Based on ssDNA Library Immobilized SELEX. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 1771-1777	5.7	31
133	Recent advances and perspectives of aggregation-induced emission as an emerging platform for detection and bioimaging. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 119, 115637	14.6	31
132	Mn(2+)-doped NaYF <sub>4</sub> :Yb/Er upconversion nanoparticle-based electrochemiluminescent aptasensor for bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 3823-31	4.4	31
131	A highly selective and sensitive electrochemical CS-MWCNTs/Au-NPs composite DNA biosensor for Staphylococcus aureus gene sequence detection. <i>Talanta</i> , <b>2015</b> , 141, 300-6	6.2	29
130	Simultaneous detection of Staphylococcus aureus and Salmonella typhimurium using multicolor time-resolved fluorescence nanoparticles as labels. <i>International Journal of Food Microbiology</i> , <b>2016</b> , 237, 172-179	5.8	29
129	Capture-SELEX for aptamer selection: A short review. <i>Talanta</i> , <b>2021</b> , 229, 122274	6.2	29

128	Upconversion luminescence resonance energy transfer-based aptasensor for the sensitive detection of oxytetracycline. <i>Analytical Biochemistry</i> , <b>2015</b> , 489, 44-9	3.1	28
127	Chemiluminescent aptasensor for chloramphenicol based on N-(4-aminobutyl)-N-ethylisoluminol-functionalized flower-like gold nanostructures and magnetic nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 7907-15	4.4	28
126	An all-organic 0D/2D supramolecular porphyrin/g-C <sub>3</sub> N <sub>4</sub> heterojunction assembled via $\pi$ interaction for efficient visible photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 291, 120059	21.8	28
125	A near-infrared magnetic aptasensor for Ochratoxin A based on near-infrared upconversion nanoparticles and magnetic nanoparticles. <i>Talanta</i> , <b>2016</b> , 158, 246-253	6.2	27
124	Changes in the microbial communities in vacuum-packaged smoked bacon during storage. <i>Food Microbiology</i> , <b>2019</b> , 77, 26-37	6	27
123	A novel fluorescent aptasensor for aflatoxin M <sub>1</sub> detection using rolling circle amplification and g-C <sub>3</sub> N <sub>4</sub> as fluorescence quencher. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 315, 128049	8.5	25
122	A universal fluorescent aptasensor based on AccuBlue dye for the detection of pathogenic bacteria. <i>Analytical Biochemistry</i> , <b>2014</b> , 454, 1-6	3.1	25
121	Highly sensitive aptasensor for oxytetracycline based on upconversion and magnetic nanoparticles. <i>Analytical Methods</i> , <b>2015</b> , 7, 2585-2593	3.2	25
120	Visual detection and microplate assay for <i>Staphylococcus aureus</i> based on aptamer recognition coupled to tyramine signal amplification. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 321-327	5.8	25
119	Assessing the toxicity in vitro of degradation products from deoxynivalenol photocatalytic degradation by using upconversion nanoparticles@TiO <sub>2</sub> composite. <i>Chemosphere</i> , <b>2020</b> , 238, 124648	8.4	24
118	An aptasensor based on fluorescence resonance energy transfer for multiplexed pathogenic bacteria determination. <i>Analytical Methods</i> , <b>2016</b> , 8, 1390-1395	3.2	23
117	Sensitive fluorescent detection of <i>Staphylococcus aureus</i> using nanogold linked CdTe nanocrystals as signal amplification labels. <i>Mikrochimica Acta</i> , <b>2011</b> , 172, 431-437	5.8	23
116	A chemiluminescent aptasensor for simultaneous detection of three antibiotics in milk. <i>Analytical Methods</i> , <b>2016</b> , 8, 7929-7936	3.2	23
115	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> , <b>2020</b> , 231, 118104	4.4	22
114	Fluorometric determination of lipopolysaccharides via changes of the graphene oxide-enhanced fluorescence polarization caused by truncated aptamers. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 173	5.8	22
113	Facile synthesis and antibacterial activity of geraniol conjugated chitosan oligosaccharide derivatives. <i>Carbohydrate Polymers</i> , <b>2021</b> , 251, 117099	10.3	22
112	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> , <b>2017</b> , 164, 275-282	6.2	21
111	Photocatalytic degradation of microcystin-LR with a nanostructured photocatalyst based on upconversion nanoparticles@TiO <sub>2</sub> composite under simulated solar lights. <i>Scientific Reports</i> , <b>2017</b> , 7, 14439	4.9	21

110	Simultaneous detection of fumonisin B and ochratoxin A using dual-color, time-resolved luminescent nanoparticles (NaYF: Ce, Tb and NH-Eu/DPA@SiO) as labels. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1453-1465	4.4	21
109	A SERS aptasensor for simultaneous multiple pathogens detection using gold decorated PDMS substrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 230, 118103	4.4	21
108	Photocatalysis and degradation products identification of deoxynivalenol in wheat using upconversion nanoparticles@TiO composite. <i>Food Chemistry</i> , <b>2020</b> , 323, 126823	8.5	21
107	Recyclable (FeO-NaYF:Yb,Tm)@TiO nanocomposites with near-infrared enhanced photocatalytic activity. <i>Dalton Transactions</i> , <b>2018</b> , 47, 1666-1673	4.3	21
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> , <b>2019</b> , 186, 575	5.8	21
105	Fluorescence resonance energy transfer-based aptamer biosensors for bisphenol A using lanthanide-doped KGdF4 nanoparticles. <i>Analytical Methods</i> , <b>2015</b> , 7, 5186-5192	3.2	21
104	SERS aptasensor detection of Salmonella typhimurium using a magnetic gold nanoparticle and gold nanoparticle based sandwich structure. <i>Analytical Methods</i> , <b>2016</b> , 8, 8099-8105	3.2	20
103	Selection and application of ssDNA aptamers against spermine based on Capture-SELEX. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1081, 168-175	6.6	20
102	Sensitive immunoassay of Listeria monocytogenes with highly fluorescent bioconjugated silica nanoparticles probe. <i>Journal of Microbiological Methods</i> , <b>2010</b> , 83, 179-84	2.8	20
101	A fluorescence polarization aptasensor coupled with polymerase chain reaction and streptavidin for chloramphenicol detection. <i>Talanta</i> , <b>2019</b> , 205, 120119	6.2	19
100	Orientation selection of broad-spectrum aptamers against lipopolysaccharides based on capture-SELEX by using magnetic nanoparticles. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4235-4242	5.8	19
99	Ultrasensitive chemiluminescent immunoassay of Salmonella with silver enhancement of nanogold labels. <i>Luminescence</i> , <b>2011</b> , 26, 136-41	2.5	19
98	Enhanced visible-light photocatalytic degradation and disinfection performance of oxidized nanoporous g-C3N4 via decoration with graphene oxide quantum dots. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 474-484	11.3	19
97	DNA aptamer selection and aptamer-based fluorometric displacement assay for the hepatotoxin microcystin-RR. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 2555-2562	5.8	18
96	Homogeneous time-resolved FRET assay for the detection of Salmonella typhimurium using aptamer-modified NaYF4:Ce/Tb nanoparticles and a fluorescent DNA label. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4021-4027	5.8	17
95	A Colorimetric Strip for Rapid Detection and Real-Time Monitoring of Histamine in Fish Based on Self-Assembled Polydiacetylene Vesicles. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1611-1617	7.8	17
94	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> , <b>2020</b> , 13, 1433-1441	3.4	16
93	Real-time and in-situ monitoring of Abrin induced cell apoptosis by using SERS spectroscopy. <i>Talanta</i> , <b>2019</b> , 195, 8-16	6.2	16

92	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> , <b>2019</b> , 12, 595-603	3.4	16
91	A competitive fluorescent aptasensor for okadaic acid detection assisted by rolling circle amplification. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 2893-2899	5.8	15
90	Selection, identification, and application of dual DNA aptamers against <i>Shigella sonnei</i> . <i>Analytical Methods</i> , <b>2015</b> , 7, 3625-3631	3.2	15
89	Electrochemiluminescence Detection of Clarithromycin in Biological Fluids after Capillary Electrophoresis Separation. <i>Analytical Letters</i> , <b>2008</b> , 41, 1184-1199	2.2	15
88	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> , <b>2018</b> , 23,	4.8	15
87	An Update on Aptamer-Based Multiplex System Approaches for the Detection of Common Foodborne Pathogens. <i>Food Analytical Methods</i> , <b>2017</b> , 10, 2549-2565	3.4	14
86	A comprehensive review on the prevalence, pathogenesis and detection of .. <i>RSC Advances</i> , <b>2019</b> , 9, 41010-41021	3.7	14
85	GO-amplified fluorescence polarization assay for high-sensitivity detection of aflatoxin B with low dosage aptamer probe. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1107-1115	4.4	14
84	Aptamer-based F0F1-ATPase biosensor for <i>Salmonella typhimurium</i> detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 2582-2588	8.5	14
83	Surface-enhanced Raman spectroscopic-based aptasensor for <i>Shigella sonnei</i> using a dual-functional metal complex-ligated gold nanoparticles dimer. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 190, 110940	6	13
82	Purification, characterization, and gene cloning of a new cold-adapted $\beta$ -galactosidase from <i>Erwinia</i> sp. E602 isolated in northeast China. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 6946-6954	4	13
81	Preparation of gold nanoparticles-agarose gel composite and its application in SERS detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 121, 657-61	4.4	13
80	A colorimetric aptamer-based method for detection of cadmium using the enhanced peroxidase-like activity of Au-MoS nanocomposites. <i>Analytical Biochemistry</i> , <b>2020</b> , 608, 113844	3.1	13
79	A Colorimetric Aptamer Sensor Based on the Enhanced Peroxidase Activity of Functionalized Graphene/Fe <sub>3</sub> O <sub>4</sub> -AuNPs for Detection of Lead (II) Ions. <i>Catalysts</i> , <b>2020</b> , 10, 600	4	12
78	Changes in the phospholipid molecular species in water-boiled salted duck during processing based on shotgun lipidomics. <i>Food Research International</i> , <b>2020</b> , 132, 109064	7	12
77	Competitive HRP-Linked Colorimetric Aptasensor for the Detection of Fumonisin B1 in Food based on Dual Biotin-Streptavidin Interaction. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	12
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