Zhouping Wang

List of Publications by Year
in descending order

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205	9,487	30070 54	56724 83
papers	citations	h-index	g-index

207	207	207	7529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiplexed Fluorescence Resonance Energy Transfer Aptasensor between Upconversion Nanoparticles and Graphene Oxide for the Simultaneous Determination of Mycotoxins. Analytical Chemistry, 2012, 84, 6263-6270.	6.5	303
2	Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-C₃N₄ Nanosheets. ACS Applied Materials & Interfaces, 2017, 9, 27727-27735.	8.0	300
3	Simultaneous Aptasensor for Multiplex Pathogenic Bacteria Detection Based on Multicolor Upconversion Nanoparticles Labels. Analytical Chemistry, 2014, 86, 3100-3107.	6.5	285
4	Gold nanoparticles enhanced SERS aptasensor for the simultaneous detection of Salmonella typhimurium and Staphylococcus aureus. Biosensors and Bioelectronics, 2015, 74, 872-877.	10.1	242
5	Aptamer-based fluorescence biosensor for chloramphenicol determination using upconversion nanoparticles. Food Control, 2015, 50, 597-604.	5.5	188
6	An aptamer-based electrochemical biosensor for the detection of Salmonella. Journal of Microbiological Methods, 2014, 98, 94-98.	1.6	181
7	Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C3N4 n-n heterojunction via Ï€-Ï€ interaction and interfacial charge separation. Applied Catalysis B: Environmental, 2020, 271, 118933.	20.2	161
8	Aptamer-Based Lateral Flow Test Strip for Rapid Detection of Zearalenone in Corn Samples. Journal of Agricultural and Food Chemistry, 2018, 66, 1949-1954.	5.2	148
9	Selection and Characterization of Aptamers against Salmonella typhimurium Using Whole-Bacterium Systemic Evolution of Ligands by Exponential Enrichment (SELEX). Journal of Agricultural and Food Chemistry, 2013, 61, 3229-3234.	5.2	144
10	Aptamer-functionalized magnetic nanoparticle-based bioassay for the detection of ochratoxin a using upconversion nanoparticles as labels. Analyst, The, 2011, 136, 2306.	3.5	132
11	Selection and Identification of a DNA Aptamer Targeted to Vibrio parahemolyticus. Journal of Agricultural and Food Chemistry, 2012, 60, 4034-4038.	5.2	129
12	Simultaneous detection of pathogenic bacteria using an aptamer based biosensor and dual fluorescence resonance energy transfer from quantum dots to carbon nanoparticles. Mikrochimica Acta, 2015, 182, 917-923.	5.0	129
13	Advances in aptasensors for the detection of food contaminants. Analyst, The, 2016, 141, 3942-3961.	3.5	118
14	A Review of the Methods for Detection of Staphylococcus aureus Enterotoxins. Toxins, 2016, 8, 176.	3.4	114
15	Capture-SELEX for aptamer selection: A short review. Talanta, 2021, 229, 122274.	5.5	112
16	Impedimetric aptasensor for Staphylococcus aureus based on nanocomposite prepared from reduced graphene oxide and gold nanoparticles. Mikrochimica Acta, 2014, 181, 967-974.	5.0	106
17	Salmonella typhimurium detection using a surface-enhanced Raman scattering-based aptasensor. International Journal of Food Microbiology, 2016, 218, 38-43.	4.7	105
18	Impedimetric Salmonella aptasensor using a glassy carbon electrode modified with an electrodeposited composite consisting of reduced graphene oxide and carbon nanotubes. Mikrochimica Acta, 2016, 183, 337-344.	5.0	105

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19	Unprecedentedly efficient mineralization performance of photocatalysis-self-Fenton system towards organic pollutants over oxygen-doped porous g-C3N4 nanosheets. Applied Catalysis B: Environmental, 2022, 312, 121438.	20.2	105
20	A sensitive gold nanoparticle-based colorimetric aptasensor for Staphylococcus aureus. Talanta, 2014, 127, 163-168.	5.5	104
21	Selection and identification of ssDNA aptamers recognizing zearalenone. Analytical and Bioanalytical Chemistry, 2013, 405, 6573-6581.	3.7	97
22	Aptamer Induced Multicolored AuNCs-WS₂ â€œTurn onâ€•FRET Nano Platform for Dual-Color Simultaneous Detection of AflatoxinB₁ and Zearalenone. Analytical Chemistry, 2019, 91, 14085-14092.	6.5	96
23	An all-organic 0D/2D supramolecular porphyrin/g-C3N4 heterojunction assembled via Ï€-Ï€ interaction for efficient visible photocatalytic oxidation. Applied Catalysis B: Environmental, 2021, 291, 120059.	20.2	86
24	Screening and Identification of DNA Aptamers against T-2 Toxin Assisted by Graphene Oxide. Journal of Agricultural and Food Chemistry, 2014, 62, 10368-10374.	5.2	84
25	Screening and development of DNA aptamers as capture probes for colorimetric detection of patulin. Analytical Biochemistry, 2016, 508, 58-64.	2.4	84
26	Dual fluorescence resonance energy transfer assay between tunable upconversion nanoparticles and controlled gold nanoparticles for the simultaneous detection of Pb2+ and Hg2+. Talanta, 2014, 128, 327-336.	5.5	83
27	Enhanced visible-light-induced photocatalytic degradation and disinfection activities of oxidized porous g-C3N4 by loading Ag nanoparticles. Catalysis Today, 2019, 332, 227-235.	4.4	83
28	Colorimetric Aptasensor Based on Truncated Aptamer and Trivalent DNAzyme for Vibrio parahemolyticus Determination. Journal of Agricultural and Food Chemistry, 2019, 67, 2313-2320.	5.2	81
29	High antibacterial activity of chitosan â€“ molybdenum disulfide nanocomposite. Carbohydrate Polymers, 2019, 215, 226-234.	10.2	78
30	Selection, identification and application of a DNA aptamer against Listeria monocytogenes. Food Control, 2013, 33, 239-243.	5.5	77
31	A dual-color flow cytometry protocol for the simultaneous detection of Vibrio parahaemolyticus and Salmonella typhimurium using aptamer conjugated quantum dots as labels. Analytica Chimica Acta, 2013, 804, 151-158.	5.4	76
32	A luminescence resonance energy transfer based aptasensor for the mycotoxin Ochratoxin A using upconversion nanoparticles and gold nanorods. Mikrochimica Acta, 2016, 183, 1909-1916.	5.0	76
33	Upconversion nanoparticles grafted molybdenum disulfide nanosheets platform for microcystin-LR sensing. Biosensors and Bioelectronics, 2017, 90, 203-209.	10.1	76
34	Selection, identification, and application of Aflatoxin B1 aptamer. European Food Research and Technology, 2014, 238, 919-925.	3.3	74
35	Selection and characterization of DNA aptamers against Staphylococcus aureus enterotoxin C1. Food Chemistry, 2015, 166, 623-629.	8.2	72
36	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. Analytical and Bioanalytical Chemistry, 2010, 398, 2125-2132.	3.7	71

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37	Graphene oxide-assisted non-immobilized SELEX of okdaic acid aptamer and the analytical application of aptasensor. Scientific Reports, 2016, 6, 21665.	3.3	71
38	Aptamer based SERS detection of Salmonella typhimurium using DNA-assembled gold nanodimers. Mikrochimica Acta, 2018, 185, 325.	5.0	71
39	Silver nanoclusters based FRET aptasensor for sensitive and selective fluorescent detection of T-2 toxin. Sensors and Actuators B: Chemical, 2018, 277, 328-335.	7.8	70
40	Strategies to manipulate the performance of aptamers in SELEX, post-SELEX and microenvironment. Biotechnology Advances, 2022, 55, 107902.	11.7	67
41	Colorimetric Aptasensor Based on Enzyme for the Detection of Vibrio parahemolyticus. Journal of Agricultural and Food Chemistry, 2015, 63, 7849-7854.	5.2	66
42	Nanogapped Au(core) @ Au-Ag(shell) structures coupled with Fe3O4 magnetic nanoparticles for the detection of Ochratoxin A. Analytica Chimica Acta, 2018, 1033, 165-172.	5.4	65
43	A test strip for ochratoxin A based on the use of aptamer-modified fluorescence upconversion nanoparticles. Mikrochimica Acta, 2018, 185, 497.	5.0	64
44	Investigation of volatile flavor compounds and characterization of aroma-active compounds of water-boiled salted duck using GCâ€“MSâ€“O, GCâ€“IMS, and E-nose. Food Chemistry, 2022, 386, 132728.	8.2	64
45	A novel aptasensor for the colorimetric detection of S. typhimurium based on gold nanoparticles. International Journal of Food Microbiology, 2017, 245, 1-5.	4.7	62
46	Colorimetric aptasensor for the detection of Salmonella enterica serovar typhimurium using ZnFe 2 O 4 -reduced graphene oxide nanostructures as an effective peroxidase mimetics. International Journal of Food Microbiology, 2017, 261, 42-48.	4.7	62
47	Recent advances and perspectives of aggregation-induced emission as an emerging platform for detection and bioimaging. TrAC - Trends in Analytical Chemistry, 2019, 119, 115637.	11.4	62
48	Unprecedented effect of CO2 calcination atmosphere on photocatalytic H2 production activity from water using g-C3N4 synthesized from triazole polymerization. Applied Catalysis B: Environmental, 2019, 241, 141-148.	20.2	62
49	An ultrasensitive aptasensor for Ochratoxin A using hexagonal core/shell upconversion nanoparticles as luminophores. Biosensors and Bioelectronics, 2017, 91, 538-544.	10.1	61
50	A visual detection method for Salmonella Typhimurium based on aptamer recognition and nanogold labeling. Food Control, 2014, 37, 188-192.	5.5	60
51	Ultrasensitive SERS aptasensor for the detection of oxytetracycline based on a gold-enhanced nano-assembly. Talanta, 2017, 165, 412-418.	5.5	60
52	A novel bioassay based on aptamer-functionalized magnetic nanoparticle for the detection of zearalenone using time resolved-fluorescence NaYF4: Ce/Tb nanoparticles as signal probe. Talanta, 2018, 186, 97-103.	5.5	60
53	An enhanced chemiluminescence resonance energy transfer aptasensor based on rolling circle amplification and WS2 nanosheet for Staphylococcus aureus detection. Analytica Chimica Acta, 2017, 959, 83-90.	5.4	59
54	Graphene oxide wrapped Fe3O4@Au nanostructures as substrates for aptamer-based detection of Vibrio parahaemolyticus by surface-enhanced Raman spectroscopy. Mikrochimica Acta, 2017, 184, 2653-2660.	5.0	59

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55	Facile synthesis and antibacterial activity of geraniol conjugated chitosan oligosaccharide derivatives. Carbohydrate Polymers, 2021, 251, 117099.	10.2	58
56	A highly sensitive fluorescence resonance energy transfer aptasensor for staphylococcal enterotoxin B detection based on exonuclease-catalyzed target recycling strategy. Analytica Chimica Acta, 2013, 782, 59-66.	5.4	57
57	Signal amplified strategy based on target-induced strand release coupling cleavage of nicking endonuclease for the ultrasensitive detection of ochratoxin A. Biosensors and Bioelectronics, 2013, 39, 145-151.	10.1	56
58	Mycotoxigenic Potentials of Fusarium Species in Various Culture Matrices Revealed by Mycotoxin Profiling. Toxins, 2017, 9, 6.	3.4	56
59	Surface-Enhanced Raman Scattering-Fluorescence Dual-Mode Nanosensors for Quantitative Detection of Cytochrome c in Living Cells. Analytical Chemistry, 2019, 91, 6600-6607.	6.5	56
60	Preparation and characterization of k-carrageenan/konjac glucomannan/TiO2 nanocomposite film with efficient anti-fungal activity and its application in strawberry preservation. Food Chemistry, 2021, 364, 130441.	8.2	56
61	Vibrio parahaemolyticus detection aptasensor using surface-enhanced Raman scattering. Food Control, 2016, 63, 122-127.	5.5	54
62	Selection, Identification, and Binding Mechanism Studies of an ssDNA Aptamer Targeted to Different Stages of E. coli O157:H7. Journal of Agricultural and Food Chemistry, 2018, 66, 5677-5682.	5.2	54
63	Highly efficient visible photocatalytic disinfection and degradation performances of microtubular nanoporous g-C3N4 via hierarchical construction and defects engineering. Journal of Materials Science and Technology, 2020, 49, 133-143.	10.7	54
64	Impedimetric aptamer-based determination of the mold toxin fumonisin B1. Mikrochimica Acta, 2015, 182, 1709-1714.	5.0	52
65	Magnetic Separation-Based Multiple SELEX for Effectively Selecting Aptamers against Saxitoxin, Domoic Acid, and Tetrodotoxin. Journal of Agricultural and Food Chemistry, 2018, 66, 9801-9809.	5.2	51
66	Changes in the microbial communities in vacuum-packaged smoked bacon during storage. Food Microbiology, 2019, 77, 26-37.	4.2	51
67	A SERS aptasensor for simultaneous multiple pathogens detection using gold decorated PDMS substrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118103.	3.9	51
68	A multicolor time-resolved fluorescence aptasensor for the simultaneous detection of multiplex Staphylococcus aureus enterotoxins in the milk. Biosensors and Bioelectronics, 2015, 74, 170-176.	10.1	50
69	Flexible paper-based SERS substrate strategy for rapid detection of methyl parathion on the surface of fruit. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 118104.	3.9	49
70	Selection and Application of ssDNA Aptamers against Clenbuterol Hydrochloride Based on ssDNA Library Immobilized SELEX. Journal of Agricultural and Food Chemistry, 2017, 65, 1771-1777.	5.2	48
71	CRISPR-Cas12a-mediated luminescence resonance energy transfer aptasensing platform for deoxynivalenol using gold nanoparticle-decorated Ti3C2Tx MXene as the enhanced quencher. Journal of Hazardous Materials, 2022, 433, 128750.	12.4	48
72	Aptasensors for quantitative detection of Salmonella Typhimurium. Analytical Biochemistry, 2017, 533, 18-25.	2.4	47

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73	In vitro selection of a DNA aptamer targeted against Shigella dysenteriae. Journal of Microbiological Methods, 2013, 94, 170-174.	1.6	46
74	Simultaneous detection of microcysin-LR and okadaic acid using a dual fluorescence resonance energy transfer aptasensor. Analytical and Bioanalytical Chemistry, 2015, 407, 1303-1312.	3.7	46
75	A novel fluorescent aptasensor for aflatoxin M1 detection using rolling circle amplification and g-C3N4 as fluorescence quencher. Sensors and Actuators B: Chemical, 2020, 315, 128049.	7.8	46
76	Selection and characterization of single stranded DNA aptamers recognizing fumonisin B1. Mikrochimica Acta, 2014, 181, 1317-1324.	5.0	44
77	An ssDNA library immobilized SELEX technique for selection of an aptamer against ractopamine. Analytica Chimica Acta, 2017, 961, 100-105.	5.4	44
78	Assessing the toxicity inÂvitro of degradation products from deoxynivalenol photocatalytic degradation by using upconversion nanoparticles@TiO2 composite. Chemosphere, 2020, 238, 124648.	8.2	44
79	High-affinity aptamer of allergen Î²-lactoglobulin: Selection, recognition mechanism and application. Sensors and Actuators B: Chemical, 2021, 340, 129956.	7.8	43
80	Selection, identification and application of a DNA aptamer against Staphylococcus aureus enterotoxin A. Analytical Methods, 2014, 6, 690-697.	2.7	42
81	Gold Nanoparticle-Based Fluorescence Resonance Energy Transfer Aptasensor for Ochratoxin A Detection. Analytical Letters, 2012, 45, 714-723.	1.8	41
82	Enhanced visible-light photocatalytic degradation and disinfection performance of oxidized nanoporous g-C3N4 via decoration with graphene oxide quantum dots. Chinese Journal of Catalysis, 2020, 41, 474-484.	14.0	41
83	Upconversion luminescence resonance energy transfer-based aptasensor for the sensitive detection of oxytetracycline. Analytical Biochemistry, 2015, 489, 44-49.	2.4	40
84	Mn2+-doped NaYF4:Yb/Er upconversion nanoparticle-based electrochemiluminescent aptasensor for bisphenol A. Analytical and Bioanalytical Chemistry, 2016, 408, 3823-3831.	3.7	40
85	A â€œturnonâ€•aptasensor for simultaneous and time-resolved fluorometric determination of zearalenone, trichothecenes A and aflatoxin B1 using WS2 as a quencher. Mikrochimica Acta, 2019, 186, 575.	5.0	40
86	Photocatalysis and degradation products identification of deoxynivalenol in wheat using upconversion nanoparticles@TiO2 composite. Food Chemistry, 2020, 323, 126823.	8.2	40
87	A Visual and Sensitive Detection of Escherichia coli Based on Aptamer and Peroxidase-like Mimics of Copper-Metal Organic Framework Nanoparticles. Food Analytical Methods, 2020, 13, 1433-1441.	2.6	38
88	Label free structure-switching fluorescence polarization detection of chloramphenicol with truncated aptamer. Talanta, 2021, 230, 122349.	5.5	38
89	Chemiluminescent aptasensor for chloramphenicol based on N-(4-aminobutyl)-N-ethylisoluminol-functionalized flower-like gold nanostructures and magnetic nanoparticles. Analytical and Bioanalytical Chemistry, 2015, 407, 7907-7915.	3.7	37
90	A chemiluminescent aptasensor for simultaneous detection of three antibiotics in milk. Analytical Methods, 2016, 8, 7929-7936.	2.7	37

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91	Simultaneous detection of Staphylococcus aureus and Salmonella typhimurium using multicolor time-resolved fluorescence nanoparticles as labels. International Journal of Food Microbiology, 2016, 237, 172-179.	4.7	37
92	A highly selective and sensitive electrochemical CSâ€“MWCNTs/Au-NPs composite DNA biosensor for Staphylococcus aureus gene sequence detection. Talanta, 2015, 141, 300-306.	5.5	35
93	A near-infrared magnetic aptasensor for Ochratoxin A based on near-infrared upconversion nanoparticles and magnetic nanoparticles. Talanta, 2016, 158, 246-253.	5.5	35
94	Selection and application of ssDNA aptamers against spermine based on Capture-SELEX. Analytica Chimica Acta, 2019, 1081, 168-175.	5.4	35
95	Fluorometric determination of lipopolysaccharides via changes of the graphene oxide-enhanced fluorescence polarization caused by truncated aptamers. Mikrochimica Acta, 2019, 186, 173.	5.0	35
96	Upconversion Nanoparticles Assembled with Gold Nanourchins as Luminescence and Surface-Enhanced Raman Scattering Dual-Mode Aptasensors for Detection of Ochratoxin A. ACS Applied Nano Materials, 2021, 4, 8231-8240.	5.0	34
97	A Colorimetric Strip for Rapid Detection and Real-Time Monitoring of Histamine in Fish Based on Self-Assembled Polydiacetylene Vesicles. Analytical Chemistry, 2020, 92, 1611-1617.	6.5	33
98	Fabrication of magnetically recyclable yolk-shell Fe3O4@TiO2 nanosheet/Ag/g-C3N4 microspheres for enhanced photocatalytic degradation of organic pollutants. Nano Research, 2021, 14, 2363-2371.	10.4	33
99	A chemiluminescent aptasensor based on rolling circle amplification and Co2+/N-(aminobutyl)-N-(ethylisoluminol) functional flowerlike gold nanoparticles for Salmonella typhimurium detection. Talanta, 2017, 164, 275-282.	5.5	32
100	Fe3O4@Au@Ag nanoparticles as surface-enhanced Raman spectroscopy substrates for sensitive detection of clenbuterol hydrochloride in pork with the use of aptamer binding. LWT - Food Science and Technology, 2020, 134, 110017.	5.2	32
101	A universal fluorescent aptasensor based on AccuBlue dye for the detection of pathogenic bacteria. Analytical Biochemistry, 2014, 454, 1-6.	2.4	31
102	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. Molecules, 2018, 23, 3286.	3.8	31
103	A colorimetric aptamer-based method for detection of cadmium using the enhanced peroxidase-like activity of Auâ€“MoS2 nanocomposites. Analytical Biochemistry, 2020, 608, 113844.	2.4	31
104	Highly sensitive aptasensor for oxytetracycline based on upconversion and magnetic nanoparticles. Analytical Methods, 2015, 7, 2585-2593.	2.7	30
105	An aptasensor based on fluorescence resonance energy transfer for multiplexed pathogenic bacteria determination. Analytical Methods, 2016, 8, 1390-1395.	2.7	30
106	Recyclable (Fe₃O₄-NaYF₄:Yb,Tm)@TiO₂ nanocomposites with near-infrared enhanced photocatalytic activity. Dalton Transactions, 2018, 47, 1666-1673.	3.3	30
107	Polyethylenimine modified MoS2 nanocomposite with high stability and enhanced photothermal antibacterial activity. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 401, 112762.	3.9	30
108	GO-amplified fluorescence polarization assay for high-sensitivity detection of aflatoxin B1 with low dosage aptamer probe. Analytical and Bioanalytical Chemistry, 2019, 411, 1107-1115.	3.7	29

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109	Aptamer truncation strategy assisted by molecular docking and sensitive detection of T-2 toxin using SYBR Green I as a signal amplifier. Food Chemistry, 2022, 381, 132171.	8.2	29
110	Visual detection and microplate assay for Staphylococcus aureus based on aptamer recognition coupled to tyramine signal amplification. Mikrochimica Acta, 2014, 181, 321-327.	5.0	28
111	Photocatalytic degradation of microcystin-LR with a nanostructured photocatalyst based on upconversion nanoparticles@TiO2 composite under simulated solar lights. Scientific Reports, 2017, 7, 14435.	3.3	28
112	A fluorescence polarization aptasensor coupled with polymerase chain reaction and streptavidin for chloramphenicol detection. Talanta, 2019, 205, 120119.	5.5	28
113	Simultaneous detection of fumonisin B1 and ochratoxin A using dual-color, time-resolved luminescent nanoparticles (NaYF4: Ce, Tb and NH2-Eu/DPA@SiO2) as labels. Analytical and Bioanalytical Chemistry, 2019, 411, 1453-1465.	3.7	28
114	Photodynamic chitosan functionalized MoS2 nanocomposite with enhanced and broad-spectrum antibacterial activity. Carbohydrate Polymers, 2022, 277, 118808.	10.2	28
115	SERS aptasensor detection of Salmonella typhimurium using a magnetic gold nanoparticle and gold nanoparticle based sandwich structure. Analytical Methods, 2016, 8, 8099-8105.	2.7	27
116	Orientation selection of broad-spectrum aptamers against lipopolysaccharides based on capture-SELEX by using magnetic nanoparticles. Mikrochimica Acta, 2017, 184, 4235-4242.	5.0	27
117	A comprehensive review on the prevalence, pathogenesis and detection ofYersinia enterocolitica. RSC Advances, 2019, 9, 41010-41021.	3.6	27
118	A Colorimetric Aptamer Sensor Based on the Enhanced Peroxidase Activity of Functionalized Graphene/Fe3O4-AuNPs for Detection of Lead (II) Ions. Catalysts, 2020, 10, 600.	3.5	27
119	Fabrication of PAA coated green-emitting AuNCs for construction of label-free FRET assembly for specific recognition of T-2 toxin. Sensors and Actuators B: Chemical, 2020, 321, 128470.	7.8	27
120	Polydimethylsiloxane Gold Nanoparticle Composite Film as Structure for Aptamer-Based Detection of Vibrio parahaemolyticus by Surface-Enhanced Raman Spectroscopy. Food Analytical Methods, 2019, 12, 595-603.	2.6	26
121	Surface-enhanced Raman spectroscopicâ€“based aptasensor for Shigella sonnei using a dual-functional metal complex-ligated gold nanoparticles dimer. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110940.	5.0	26
122	Fabrication of gold/silver nanodimer SERS probes for the simultaneous detection of Salmonella typhimurium and Staphylococcus aureus. Mikrochimica Acta, 2021, 188, 202.	5.0	26
123	Sensitive fluorescent detection of Staphylococcus aureus using nanogold linked CdTe nanocrystals as signal amplification labels. Mikrochimica Acta, 2011, 172, 431-437.	5.0	25
124	Structure-switching fluorescence aptasensor for sensitive detection of chloramphenicol. Mikrochimica Acta, 2020, 187, 505.	5.0	25
125	Sensitive detection of patulin based on DNase â…-assisted fluorescent aptasensor by using AuNCs-modified truncated aptamer. Food Control, 2022, 131, 108430.	5.5	25
126	Sensitive colorimetric aptasensor based on stimuli-responsive metal-organic framework nano-container and trivalent DNAzyme for zearalenone determination in food samples. Food Chemistry, 2022, 371, 131145.	8.2	25

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127	A novel ratiometric aptasensor based on dual-emission fluorescent signals and the conformation of G-quadruplex for OTA detection. Sensors and Actuators B: Chemical, 2022, 358, 131484.	7.8	25
128	Sensitive immunoassay of Listeria monocytogenes with highly fluorescent bioconjugated silica nanoparticles probe. Journal of Microbiological Methods, 2010, 83, 179-184.	1.6	24
129	Fluorescence resonance energy transfer-based aptamer biosensors for bisphenol A using lanthanide-doped KGdF₄ nanoparticles. Analytical Methods, 2015, 7, 5186-5192.	2.7	24
130	A competitive fluorescent aptasensor for okadaic acid detection assisted by rolling circle amplification. Mikrochimica Acta, 2017, 184, 2893-2899.	5.0	24
131	A Label-Free Fluorescent Aptasensor for Detection of Staphylococcal Enterotoxin A Based on Aptamer-Functionalized Silver Nanoclusters. Polymers, 2020, 12, 152.	4.5	24
132	Simultaneous degradation of two mycotoxins enabled by a fusion enzyme in food-grade recombinant Kluyveromyces lactis. Bioresources and Bioprocessing, 2021, 8, .	4.2	24
133	Design and optimizing gold nanoparticle-cDNA nanoprobes for aptamer-based lateral flow assay: Application to rapid detection of acetamiprid. Biosensors and Bioelectronics, 2022, 207, 114114.	10.1	24
134	Split aptamer acquisition mechanisms and current application in antibiotics detection: a short review. Critical Reviews in Food Science and Nutrition, 2023, 63, 9098-9110.	10.3	24
135	Colorimetric aptasensor targeting zearalenone developed based on the hyaluronic Acid-DNA hydrogel and bimetallic MOFzyme. Biosensors and Bioelectronics, 2022, 212, 114366.	10.1	24
136	Real-time and in-situ monitoring of Abrin induced cell apoptosis by using SERS spectroscopy. Talanta, 2019, 195, 8-16.	5.5	23
137	Changes in the phospholipid molecular species in water-boiled salted duck during processing based on shotgun lipidomics. Food Research International, 2020, 132, 109064.	6.2	22
138	Preparation, characterization, and antibiofilm activity of cinnamic acid conjugated hydroxypropyl chitosan derivatives. International Journal of Biological Macromolecules, 2021, 189, 657-667.	7.5	22
139	A simplified fluorescent lateral flow assay for melamine based on aggregation induced emission of gold nanoclusters. Food Chemistry, 2022, 385, 132670.	8.2	22
140	Ultrasensitive chemiluminescent immunoassay of Salmonella with silver enhancement of nanogold labels. Luminescence, 2011, 26, 136-141.	2.9	21
141	DNA aptamer selection and aptamer-based fluorometric displacement assay for the hepatotoxin microcystin-RR. Mikrochimica Acta, 2016, 183, 2555-2562.	5.0	21
142	Selection, identification, and application of dual DNA aptamers against Shigella sonnei. Analytical Methods, 2015, 7, 3625-3631.	2.7	20
143	An Update on Aptamer-Based Multiplex System Approaches for the Detection of Common Foodborne Pathogens. Food Analytical Methods, 2017, 10, 2549-2565.	2.6	20
144	A "turn-on" FRET aptasensor based on the metal-organic framework-derived porous carbon and silver nanoclusters for zearalenone determination. Sensors and Actuators B: Chemical, 2021, 347, 130661.	7.8	20

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145	Homogeneous time-resolved FRET assay for the detection of Salmonella typhimurium using aptamer-modified NaYF4:Ce/Tb nanoparticles and a fluorescent DNA label. Mikrochimica Acta, 2017, 184, 4021-4027.	5.0	19
146	Influence of mixture of spices on phospholipid molecules during water-boiled salted duck processing based on shotgun lipidomics. Food Research International, 2021, 149, 110651.	6.2	19
147	Competitive HRP-Linked Colorimetric Aptasensor for the Detection of Fumonisin B1 in Food based on Dual Biotin-Streptavidin Interaction. Biosensors, 2020, 10, 31.	4.7	18
148	Research Progress of Optical Aptasensors Based on AuNPs in Food Safety. Food Analytical Methods, 2021, 14, 2136-2151.	2.6	18
149	A 3D/0D cobalt-embedded nitrogen-doped porous carbon/supramolecular porphyrin magnetic-separation photocatalyst with highly efficient pollutant degradation and water oxidation performance. Journal of Materials Science and Technology, 2022, 124, 53-64.	10.7	18
150	Aptamer-based F0F1-ATPase biosensor for Salmonella typhimurium detection. Sensors and Actuators B: Chemical, 2018, 255, 2582-2588.	7.8	17
151	Surface-enhanced Raman spectroscopic single step detection of Vibrio parahaemolyticus using gold coated polydimethylsiloxane as the active substrate and aptamer modified gold nanoparticles. Mikrochimica Acta, 2019, 186, 401.	5.0	17
152	Preparation of gold nanoparticlesâ€“agarose gel composite and its application in SERS detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 657-661.	3.9	16
153	Selection and characterization, application of a DNA aptamer targeted to Streptococcus pyogenes in cooked chicken. Analytical Biochemistry, 2018, 551, 37-42.	2.4	16
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