

Zhouping Wang

List of Publications by Year in descending order

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205
papers

9,487
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29994

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all docs

207
docs citations

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times ranked

7529
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplexed Fluorescence Resonance Energy Transfer Aptasensor between Upconversion Nanoparticles and Graphene Oxide for the Simultaneous Determination of Mycotoxins. <i>Analytical Chemistry</i> , 2012, 84, 6263-6270.	3.2	303
2	Enhanced Visible-Light-Driven Photocatalytic Disinfection Performance and Organic Pollutant Degradation Activity of Porous g-C ₃ N ₄ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27727-27735.	4.0	300
3	Simultaneous Aptasensor for Multiplex Pathogenic Bacteria Detection Based on Multicolor Upconversion Nanoparticles Labels. <i>Analytical Chemistry</i> , 2014, 86, 3100-3107.	3.2	285
4	Gold nanoparticles enhanced SERS aptasensor for the simultaneous detection of Salmonella typhimurium and Staphylococcus aureus. <i>Biosensors and Bioelectronics</i> , 2015, 74, 872-877.	5.3	242
5	Aptamer-based fluorescence biosensor for chloramphenicol determination using upconversion nanoparticles. <i>Food Control</i> , 2015, 50, 597-604.	2.8	188
6	An aptamer-based electrochemical biosensor for the detection of Salmonella. <i>Journal of Microbiological Methods</i> , 2014, 98, 94-98.	0.7	181
7	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.	10.8	161
8	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.	2.4	148
9	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> , 2013, 61, 3229-3234.	2.4	144
10	Aptamer-functionalized magnetic nanoparticle-based bioassay for the detection of ochratoxin a using upconversion nanoparticles as labels. <i>Analyst</i> , 2011, 136, 2306.	1.7	132
11	Selection and Identification of a DNA Aptamer Targeted to <i>Vibrio parahemolyticus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4034-4038.	2.4	129
12	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> , 2015, 182, 917-923.	2.5	129
13	Advances in aptasensors for the detection of food contaminants. <i>Analyst</i> , 2016, 141, 3942-3961.	1.7	118
14	A Review of the Methods for Detection of Staphylococcus aureus Enterotoxins. <i>Toxins</i> , 2016, 8, 176.	1.5	114
15	Capture-SELEX for aptamer selection: A short review. <i>Talanta</i> , 2021, 229, 122274.	2.9	112
16	Impedimetric aptasensor for Staphylococcus aureus based on nanocomposite prepared from reduced graphene oxide and gold nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 967-974.	2.5	106
17	Salmonella typhimurium detection using a surface-enhanced Raman scattering-based aptasensor. <i>International Journal of Food Microbiology</i> , 2016, 218, 38-43.	2.1	105
18	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> , 2016, 183, 337-344.	2.5	105

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19	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.	10.8	105
20	A sensitive gold nanoparticle-based colorimetric aptasensor for <i>Staphylococcus aureus</i> . <i>Talanta</i> , 2014, 127, 163-168.	2.9	104
21	Selection and identification of ssDNA aptamers recognizing zearalenone. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6573-6581.	1.9	97
22	Aptamer Induced Multicolored AuNCs-WS ₂ Turn on FRET Nano Platform for Dual-Color Simultaneous Detection of AflatoxinB ₁ and Zearalenone. <i>Analytical Chemistry</i> , 2019, 91, 14085-14092.	3.2	96
23	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.	10.8	86
24	Screening and Identification of DNA Aptamers against T-2 Toxin Assisted by Graphene Oxide. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10368-10374.	2.4	84
25	Screening and development of DNA aptamers as capture probes for colorimetric detection of patulin. <i>Analytical Biochemistry</i> , 2016, 508, 58-64.	1.1	84
26	Dual fluorescence resonance energy transfer assay between tunable upconversion nanoparticles and controlled gold nanoparticles for the simultaneous detection of Pb ²⁺ and Hg ²⁺ . <i>Talanta</i> , 2014, 128, 327-336.	2.9	83
27	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.	2.2	83
28	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.	2.4	81
29	High antibacterial activity of chitosan molybdenum disulfide nanocomposite. <i>Carbohydrate Polymers</i> , 2019, 215, 226-234.	5.1	78
30	Selection, identification and application of a DNA aptamer against <i>Listeria monocytogenes</i> . <i>Food Control</i> , 2013, 33, 239-243.	2.8	77
31	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> , 2013, 804, 151-158.	2.6	76
32	A luminescence resonance energy transfer based aptasensor for the mycotoxin Ochratoxin A using upconversion nanoparticles and gold nanorods. <i>Mikrochimica Acta</i> , 2016, 183, 1909-1916.	2.5	76
33	Upconversion nanoparticles grafted molybdenum disulfide nanosheets platform for microcystin-LR sensing. <i>Biosensors and Bioelectronics</i> , 2017, 90, 203-209.	5.3	76
34	Selection, identification, and application of Aflatoxin B1 aptamer. <i>European Food Research and Technology</i> , 2014, 238, 919-925.	1.6	74
35	Selection and characterization of DNA aptamers against <i>Staphylococcus aureus</i> enterotoxin C1. <i>Food Chemistry</i> , 2015, 166, 623-629.	4.2	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. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2125-2132.	1.9	71

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37	Graphene oxide-assisted non-immobilized SELEX of okdaic acid aptamer and the analytical application of aptasensor. <i>Scientific Reports</i> , 2016, 6, 21665.	1.6	71
38	Aptamer based SERS detection of Salmonella typhimurium using DNA-assembled gold nanodimers. <i>Mikrochimica Acta</i> , 2018, 185, 325.	2.5	71
39	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.	4.0	70
40	Strategies to manipulate the performance of aptamers in SELEX, post-SELEX and microenvironment. <i>Biotechnology Advances</i> , 2022, 55, 107902.	6.0	67
41	Colorimetric Aptasensor Based on Enzyme for the Detection of <i>Vibrio parahemolyticus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7849-7854.	2.4	66
42	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.	2.6	65
43	A test strip for ochratoxin A based on the use of aptamer-modified fluorescence upconversion nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 497.	2.5	64
44	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.	4.2	64
45	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.	2.1	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. <i>International Journal of Food Microbiology</i> , 2017, 261, 42-48.	2.1	62
47	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.	5.8	62
48	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.	10.8	62
49	An ultrasensitive aptasensor for Ochratoxin A using hexagonal core/shell upconversion nanoparticles as luminophores. <i>Biosensors and Bioelectronics</i> , 2017, 91, 538-544.	5.3	61
50	A visual detection method for Salmonella Typhimurium based on aptamer recognition and nanogold labeling. <i>Food Control</i> , 2014, 37, 188-192.	2.8	60
51	Ultrasensitive SERS aptasensor for the detection of oxytetracycline based on a gold-enhanced nano-assembly. <i>Talanta</i> , 2017, 165, 412-418.	2.9	60
52	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.	2.9	60
53	An enhanced chemiluminescence resonance energy transfer aptasensor based on rolling circle amplification and WS ₂ nanosheet for Staphylococcus aureus detection. <i>Analytica Chimica Acta</i> , 2017, 959, 83-90.	2.6	59
54	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.	2.5	59

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55	Facile synthesis and antibacterial activity of geraniol conjugated chitosan oligosaccharide derivatives. <i>Carbohydrate Polymers</i> , 2021, 251, 117099.	5.1	58
56	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> , 2013, 782, 59-66.	2.6	57
57	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> , 2013, 39, 145-151.	5.3	56
58	Mycotoxigenic Potentials of <i>Fusarium</i> Species in Various Culture Matrices Revealed by Mycotoxin Profiling. <i>Toxins</i> , 2017, 9, 6.	1.5	56
59	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.	3.2	56
60	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.	4.2	56
61	<i>Vibrio parahaemolyticus</i> detection aptasensor using surface-enhanced Raman scattering. <i>Food Control</i> , 2016, 63, 122-127.	2.8	54
62	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.	2.4	54
63	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.	5.6	54
64	Impedimetric aptamer-based determination of the mold toxin fumonisin B1. <i>Mikrochimica Acta</i> , 2015, 182, 1709-1714.	2.5	52
65	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.	2.4	51
66	Changes in the microbial communities in vacuum-packaged smoked bacon during storage. <i>Food Microbiology</i> , 2019, 77, 26-37.	2.1	51
67	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.	2.0	51
68	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> , 2015, 74, 170-176.	5.3	50
69	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.	2.0	49
70	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.	2.4	48
71	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.	6.5	48
72	Aptasensors for quantitative detection of <i>Salmonella Typhimurium</i> . <i>Analytical Biochemistry</i> , 2017, 533, 18-25.	1.1	47

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73	In vitro selection of a DNA aptamer targeted against <i>Shigella dysenteriae</i> . <i>Journal of Microbiological Methods</i> , 2013, 94, 170-174.	0.7	46
74	Simultaneous detection of microcystin-LR and okadaic acid using a dual fluorescence resonance energy transfer aptasensor. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1303-1312.	1.9	46
75	A novel fluorescent aptasensor for aflatoxin M1 detection using rolling circle amplification and g-C3N4 as fluorescence quencher. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128049.	4.0	46
76	Selection and characterization of single stranded DNA aptamers recognizing fumonisin B1. <i>Mikrochimica Acta</i> , 2014, 181, 1317-1324.	2.5	44
77	An ssDNA library immobilized SELEX technique for selection of an aptamer against ractopamine. <i>Analytica Chimica Acta</i> , 2017, 961, 100-105.	2.6	44
78	Assessing the toxicity in vitro of degradation products from deoxynivalenol photocatalytic degradation by using upconversion nanoparticles@TiO2 composite. <i>Chemosphere</i> , 2020, 238, 124648.	4.2	44
79	High-affinity aptamer of allergen β -lactoglobulin: Selection, recognition mechanism and application. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129956.	4.0	43
80	Selection, identification and application of a DNA aptamer against <i>Staphylococcus aureus</i> enterotoxin A. <i>Analytical Methods</i> , 2014, 6, 690-697.	1.3	42
81	Gold Nanoparticle-Based Fluorescence Resonance Energy Transfer Aptasensor for Ochratoxin A Detection. <i>Analytical Letters</i> , 2012, 45, 714-723.	1.0	41
82	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> , 2020, 41, 474-484.	6.9	41
83	Upconversion luminescence resonance energy transfer-based aptasensor for the sensitive detection of oxytetracycline. <i>Analytical Biochemistry</i> , 2015, 489, 44-49.	1.1	40
84	Mn ²⁺ -doped NaYF ₄ :Yb/Er upconversion nanoparticle-based electrochemiluminescent aptasensor for bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3823-3831.	1.9	40
85	A β -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.	2.5	40
86	Photocatalysis and degradation products identification of deoxynivalenol in wheat using upconversion nanoparticles@TiO2 composite. <i>Food Chemistry</i> , 2020, 323, 126823.	4.2	40
87	A Visual and Sensitive Detection of <i>Escherichia coli</i> Based on Aptamer and Peroxidase-like Mimics of Copper-Metal Organic Framework Nanoparticles. <i>Food Analytical Methods</i> , 2020, 13, 1433-1441.	1.3	38
88	Label free structure-switching fluorescence polarization detection of chloramphenicol with truncated aptamer. <i>Talanta</i> , 2021, 230, 122349.	2.9	38
89	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> , 2015, 407, 7907-7915.	1.9	37
90	A chemiluminescent aptasensor for simultaneous detection of three antibiotics in milk. <i>Analytical Methods</i> , 2016, 8, 7929-7936.	1.3	37

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91	Simultaneous detection of <i>Staphylococcus aureus</i> and <i>Salmonella typhimurium</i> using multicolor time-resolved fluorescence nanoparticles as labels. <i>International Journal of Food Microbiology</i> , 2016, 237, 172-179.	2.1	37
92	A highly selective and sensitive electrochemical CS@MWCNTs/Au-NPs composite DNA biosensor for <i>Staphylococcus aureus</i> gene sequence detection. <i>Talanta</i> , 2015, 141, 300-306.	2.9	35
93	A near-infrared magnetic aptasensor for Ochratoxin A based on near-infrared upconversion nanoparticles and magnetic nanoparticles. <i>Talanta</i> , 2016, 158, 246-253.	2.9	35
94	Selection and application of ssDNA aptamers against spermine based on Capture-SELEX. <i>Analytica Chimica Acta</i> , 2019, 1081, 168-175.	2.6	35
95	Fluorometric determination of lipopolysaccharides via changes of the graphene oxide-enhanced fluorescence polarization caused by truncated aptamers. <i>Mikrochimica Acta</i> , 2019, 186, 173.	2.5	35
96	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.	2.4	34
97	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.	3.2	33
98	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.	5.8	33
99	A chemiluminescent aptasensor based on rolling circle amplification and Co ²⁺ /N-(aminobutyl)-N-(ethylisoluminol) functional flowerlike gold nanoparticles for <i>Salmonella typhimurium</i> detection. <i>Talanta</i> , 2017, 164, 275-282.	2.9	32
100	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.	2.5	32
101	A universal fluorescent aptasensor based on AccuBlue dye for the detection of pathogenic bacteria. <i>Analytical Biochemistry</i> , 2014, 454, 1-6.	1.1	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. <i>Molecules</i> , 2018, 23, 3286.	1.7	31
103	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.	1.1	31
104	Highly sensitive aptasensor for oxytetracycline based on upconversion and magnetic nanoparticles. <i>Analytical Methods</i> , 2015, 7, 2585-2593.	1.3	30
105	An aptasensor based on fluorescence resonance energy transfer for multiplexed pathogenic bacteria determination. <i>Analytical Methods</i> , 2016, 8, 1390-1395.	1.3	30
106	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.	1.6	30
107	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.	2.0	30
108	GO-amplified fluorescence polarization assay for high-sensitivity detection of aflatoxin B ₁ with low dosage aptamer probe. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1107-1115.	1.9	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. <i>Food Chemistry</i> , 2022, 381, 132171.	4.2	29
110	Visual detection and microplate assay for <i>Staphylococcus aureus</i> based on aptamer recognition coupled to tyramine signal amplification. <i>Mikrochimica Acta</i> , 2014, 181, 321-327.	2.5	28
111	Photocatalytic degradation of microcystin-LR with a nanostructured photocatalyst based on upconversion nanoparticles@TiO ₂ composite under simulated solar lights. <i>Scientific Reports</i> , 2017, 7, 14435.	1.6	28
112	A fluorescence polarization aptasensor coupled with polymerase chain reaction and streptavidin for chloramphenicol detection. <i>Talanta</i> , 2019, 205, 120119.	2.9	28
113	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.	1.9	28
114	Photodynamic chitosan functionalized MoS ₂ nanocomposite with enhanced and broad-spectrum antibacterial activity. <i>Carbohydrate Polymers</i> , 2022, 277, 118808.	5.1	28
115	SERS aptasensor detection of <i>Salmonella typhimurium</i> using a magnetic gold nanoparticle and gold nanoparticle based sandwich structure. <i>Analytical Methods</i> , 2016, 8, 8099-8105.	1.3	27
116	Orientation selection of broad-spectrum aptamers against lipopolysaccharides based on capture-SELEX by using magnetic nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 4235-4242.	2.5	27
117	A comprehensive review on the prevalence, pathogenesis and detection of <i>Yersinia enterocolitica</i> . <i>RSC Advances</i> , 2019, 9, 41010-41021.	1.7	27
118	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.	1.6	27
119	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.	4.0	27
120	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.	1.3	26
121	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> , 2020, 190, 110940.	2.5	26
122	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.	2.5	26
123	Sensitive fluorescent detection of <i>Staphylococcus aureus</i> using nanogold linked CdTe nanocrystals as signal amplification labels. <i>Mikrochimica Acta</i> , 2011, 172, 431-437.	2.5	25
124	Structure-switching fluorescence aptasensor for sensitive detection of chloramphenicol. <i>Mikrochimica Acta</i> , 2020, 187, 505.	2.5	25
125	Sensitive detection of patulin based on DNase III-assisted fluorescent aptasensor by using AuNCs-modified truncated aptamer. <i>Food Control</i> , 2022, 131, 108430.	2.8	25
126	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.	4.2	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. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131484.	4.0	25
128	Sensitive immunoassay of <i>Listeria monocytogenes</i> with highly fluorescent bioconjugated silica nanoparticles probe. <i>Journal of Microbiological Methods</i> , 2010, 83, 179-184.	0.7	24
129	Fluorescence resonance energy transfer-based aptamer biosensors for bisphenol A using lanthanide-doped KGdF ₄ nanoparticles. <i>Analytical Methods</i> , 2015, 7, 5186-5192.	1.3	24
130	A competitive fluorescent aptasensor for okadaic acid detection assisted by rolling circle amplification. <i>Mikrochimica Acta</i> , 2017, 184, 2893-2899.	2.5	24
131	A Label-Free Fluorescent Aptasensor for Detection of Staphylococcal Enterotoxin A Based on Aptamer-Functionalized Silver Nanoclusters. <i>Polymers</i> , 2020, 12, 152.	2.0	24
132	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, .	2.0	24
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