

# Zhi-xian Gao

## List of Publications by Year in descending order

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141  
papers

3,740  
citations

109321

35  
h-index

189892

50  
g-index

143  
all docs

143  
docs citations

143  
times ranked

3679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of bisphenol A and nanoscale and microscale polystyrene plastic exposure on particle uptake and toxicity in human Caco-2 cells. <i>Chemosphere</i> , 2020, 254, 126788.	8.2	133
2	A zirconium-porphyrin MOF-based ratiometric fluorescent biosensor for rapid and ultrasensitive detection of chloramphenicol. <i>Biosensors and Bioelectronics</i> , 2020, 149, 111801.	10.1	126
3	A novel electrochemical sensor based on electropolymerized molecularly imprinted polymer and gold nanomaterials amplification for estradiol detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 69-75.	7.8	112
4	Simultaneous and rapid detection of six different mycotoxins using an immunochip. <i>Biosensors and Bioelectronics</i> , 2012, 34, 44-50.	10.1	108
5	CRISPR-Cas9 Triggered Two-Step Isothermal Amplification Method for <i>E. coli</i> O157:H7 Detection Based on a Metal-Organic Framework Platform. <i>Analytical Chemistry</i> , 2020, 92, 3032-3041.	6.5	102
6	Application of suspension array for simultaneous detection of four different mycotoxins in corn and peanut. <i>Biosensors and Bioelectronics</i> , 2013, 41, 391-396.	10.1	67
7	Dual-competitive lateral flow aptasensor for detection of aflatoxin B1 in food and feedstuffs. <i>Journal of Hazardous Materials</i> , 2018, 344, 249-257.	12.4	67
8	Magnetic nanoparticle enhanced surface plasmon resonance sensor for estradiol analysis. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 629-635.	7.8	66
9	A sensitive immunoassay based on direct hapten coated format and biotin-streptavidin system for the detection of chloramphenicol. <i>Talanta</i> , 2010, 82, 1113-1121.	5.5	65
10	Ultrasensitive sensing of diethylstilbestrol based on AuNPs/MWCNTs-CS composites coupling with sol-gel molecularly imprinted polymer as a recognition element of an electrochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 420-426.	7.8	65
11	Development of Gold Nanoparticle-Based Rapid Detection Kit for Melamine in Milk Products. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12006-12011.	5.2	63
12	Characterization and quality assessment of binding properties of malachite green molecularly imprinted polymers prepared by precipitation polymerization in acetonitrile. <i>Dyes and Pigments</i> , 2007, 74, 572-577.	3.7	58
13	Quartz crystal microbalance for the determination of daminozide using molecularly imprinted polymers as recognition element. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1087-1091.	10.1	57
14	Surface plasmon resonance sensor for profenofos detection using molecularly imprinted thin film as recognition element. <i>Food Control</i> , 2012, 25, 543-549.	5.5	56
15	Rapid detection of <i>Listeria monocytogenes</i> in milk by self-assembled electrochemical immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 900-906.	7.8	56
16	Upconversion Fluorescent Aptasensor for Polychlorinated Biphenyls Detection Based on Nicking Endonuclease and Hybridization Chain Reaction Dual-Amplification Strategy. <i>Analytical Chemistry</i> , 2018, 90, 9936-9942.	6.5	56
17	Flow injection chemiluminescence sensor using molecularly imprinted polymers as recognition element for determination of maleic hydrazide. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2323-2327.	10.1	55
18	A Novel Opal Closest-Packing Photonic Crystal for Naked-Eye Glucose Detection. <i>Small</i> , 2014, 10, 1308-1313.	10.0	55

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19	Essential processing methods of hyperspectral images of agricultural and food products. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 198, 103936.	3.5	55
20	A Fluoroimmunoassay Based on Quantum Dot <sup>®</sup> Streptavidin Conjugate for the Detection of Chlorpyrifos. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8895-8903.	5.2	54
21	Recent advances on functional nucleic acid-based biosensors for detection of food contaminants. <i>Talanta</i> , 2021, 222, 121565.	5.5	52
22	Development of Fe <sub>3</sub> O <sub>4</sub> @Au nanoparticles coupled to Au@Ag core-shell nanoparticles for the sensitive detection of zearalenone. <i>Analytica Chimica Acta</i> , 2021, 1180, 338888.	5.4	51
23	A fluorescence aptasensor for the sensitive detection of T-2 toxin based on FRET by adjusting the surface electric potentials of UCNPs and MIL-101. <i>Analytica Chimica Acta</i> , 2021, 1160, 338450.	5.4	49
24	CRISPR/Cas12a-based technology: A powerful tool for biosensing in food safety. <i>Trends in Food Science and Technology</i> , 2022, 122, 211-222.	15.1	49
25	Development of molecularly imprinted polymer films used for detection of profenofos based on a quartz crystal microbalance sensor. <i>Analyst</i> , The, 2012, 137, 1252.	3.5	48
26	Simultaneous detection of five antibiotics in milk by high-throughput suspension array technology. <i>Talanta</i> , 2011, 85, 1160-1165.	5.5	47
27	Detection of bisphenol A using an opal photonic crystal sensor. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 17-23.	7.8	45
28	Simultaneous detection for three kinds of veterinary drugs: Chloramphenicol, clenbuterol and 17-beta-estradiol by high-throughput suspension array technology. <i>Analytica Chimica Acta</i> , 2009, 632, 128-134.	5.4	44
29	Molecularly imprinted photonic polymer as an optical sensor to detect chloramphenicol. <i>Analyst</i> , The, 2012, 137, 4469.	3.5	42
30	Simultaneous and combined detection of multiple tumor biomarkers for prostate cancer in human serum by suspension array technology. <i>Biosensors and Bioelectronics</i> , 2013, 47, 92-98.	10.1	40
31	An immunoassay for bisphenol A based on direct hapten conjugation to the polystyrene surface of microtiter plates. <i>Talanta</i> , 2009, 80, 803-808.	5.5	39
32	Development of a fast and ultrasensitive black phosphorus-based colorimetric/photothermal dual-readout immunochromatography for determination of norfloxacin in tap water and river water. <i>Journal of Hazardous Materials</i> , 2021, 402, 123781.	12.4	38
33	Ultrasensitive detection of T-2 toxin in food based on bio-barcode and rolling circle amplification. <i>Analytica Chimica Acta</i> , 2018, 1043, 98-106.	5.4	37
34	A facile dual-mode aptasensor based on AuNPs@MIL-101 nanohybrids for ultrasensitive fluorescence and surface-enhanced Raman spectroscopy detection of tetrodotoxin. <i>Biosensors and Bioelectronics</i> , 2022, 201, 113891.	10.1	37
35	Highly Selective, Aptamer-Based, Ultrasensitive Nanogold Colorimetric Smartphone Readout for Detection of Cd(II). <i>Molecules</i> , 2019, 24, 2745.	3.8	35
36	Rapid and multiple detections of staphylococcal enterotoxins by two-dimensional molecularly imprinted film-coated QCM sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 326-331.	7.8	33

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37	Highly specific detection of thrombin using an aptamer-based suspension array and the interaction analysis via microscale thermophoresis. <i>Analyst</i> , The, 2015, 140, 2762-2770.	3.5	33
38	A Colorimetric Strip for Rapid Detection and Real-Time Monitoring of Histamine in Fish Based on Self-Assembled Polydiacetylene Vesicles. <i>Analytical Chemistry</i> , 2020, 92, 1611-1617.	6.5	33
39	Cu/Au/Pt trimetallic nanoparticles coated with DNA hydrogel as target-responsive and signal-amplification material for sensitive detection of microcystin-LR. <i>Analytica Chimica Acta</i> , 2020, 1134, 96-105.	5.4	33
40	Simultaneous and rapid detection of multiple pesticide and veterinary drug residues by suspension array technology. <i>Biosensors and Bioelectronics</i> , 2013, 41, 710-716.	10.1	32
41	Graphene oxide composites for magnetic solid-phase extraction of twelve quinolones in water samples followed by MALDI-TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7039-7049.	3.7	32
42	Raman spectroscopy-based adversarial network combined with SVM for detection of foodborne pathogenic bacteria. <i>Talanta</i> , 2022, 237, 122901.	5.5	32
43	Development of sandwich chemiluminescent immunoassay based on an anti-staphylococcal enterotoxin B Nanobody-Alkaline phosphatase fusion protein for detection of staphylococcal enterotoxin B. <i>Analytica Chimica Acta</i> , 2020, 1108, 28-36.	5.4	31
44	Ultrasensitive detection of staphylococcal enterotoxin B in foodstuff through dual signal amplification by bio-barcode and real-time PCR. <i>Food Chemistry</i> , 2019, 283, 338-344.	8.2	30
45	Influence of Bisphenol A on Developing Rat Estrogen Receptors and Some Cytokines in Rats: A Two-Generational Study. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2008, 71, 1000-1008.	2.3	29
46	Preparation and characterization of bisphenol A-cationized bovine serum albumin. <i>Journal of Immunological Methods</i> , 2009, 340, 138-143.	1.4	29
47	An aptamer-based fluorometric zearalenone assay using a lighting-up silver nanocluster probe and catalyzed by a hairpin assembly. <i>Mikrochimica Acta</i> , 2019, 186, 765.	5.0	28
48	Ultrasensitive Detection of $17\beta$ -Estradiol (E2) Based on Multistep Isothermal Amplification. <i>Analytical Chemistry</i> , 2021, 93, 4488-4496.	6.5	28
49	Molecular imprinted opal closest-packing photonic crystals for the detection of trace $17\beta$ -estradiol in aqueous solution. <i>Talanta</i> , 2015, 144, 157-162.	5.5	27
50	A fluorescence aptasensor based on controlled zirconium-based MOFs for the highly sensitive detection of $Ta^{2+}$ toxin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119893.	3.9	27
51	Surface-enhanced Raman spectroscopy aptasensor for simultaneous determination of ochratoxin A and zearalenone using Au@Ag core-shell nanoparticles and gold nanorods. <i>Mikrochimica Acta</i> , 2021, 188, 281.	5.0	26
52	A fluorescent amplification strategy for high-sensitive detection of $17\beta$ -estradiol based on EXPAR and HCR. <i>Analytica Chimica Acta</i> , 2020, 1116, 1-8.	5.4	25
53	Magnetic Relaxation Switch Biosensors Based on Self-Assembly of Polystyrene Microspheres and Magnetic Nanoparticles for Detection of Bisphenol A. <i>ACS Applied Nano Materials</i> , 2021, 4, 5963-5971.	5.0	25
54	A copper monosulfide-nanoparticle-based fluorescent probe for the sensitive and specific detection of ochratoxin A. <i>Talanta</i> , 2021, 222, 121678.	5.5	24

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55	Upconversion-mediated CRISPR-Cas12a biosensing for sensitive detection of ochratoxin A. <i>Talanta</i> , 2022, 242, 123232.	5.5	24
56	Rapid detection of endosulfan by a molecularly imprinted polymer microsphere modified quartz crystal microbalance. <i>Analytical Methods</i> , 2013, 5, 4442.	2.7	23
57	Highly sensitive detection of ochratoxin A based on bio-barcode immunoassay and catalytic hairpin assembly signal amplification. <i>Talanta</i> , 2020, 208, 120405.	5.5	23
58	Development and application of magnetic solid phase extraction in tandem with liquid-liquid extraction method for determination of four tetracyclines by HPLC with UV detection. <i>Journal of Food Science and Technology</i> , 2020, 57, 2884-2893.	2.8	23
59	An imprinted crystalline colloidal array chemical-sensing material for detection of trace diethylstilbestrol. <i>Analyst</i> , 2013, 138, 2720.	3.5	22
60	Turn-on fluorometric immunosensor for diethylstilbestrol based on the use of air-stable polydopamine-functionalized black phosphorus and upconversion nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 429.	5.0	22
61	Upconversion fluorescent aptasensor for bisphenol A and 17 $\beta$ -estradiol based on a nanohybrid composed of black phosphorus and gold, and making use of signal amplification via DNA tetrahedrons. <i>Mikrochimica Acta</i> , 2019, 186, 151.	5.0	22
62	Competitive fluorometric assay for the food toxin T-2 by using DNA-modified silver nanoclusters, aptamer-modified magnetic beads, and exponential isothermal amplification. <i>Mikrochimica Acta</i> , 2019, 186, 219.	5.0	22
63	Immunochip for the detection of five kinds of chemicals: Atrazine, nonylphenol, 17-beta estradiol, paraverine and chloramphenicol. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1445-1450.	10.1	21
64	Rapid and sensitive detection of prostate-specific antigen via label-free frequency shift Raman of sensing graphene. <i>Biosensors and Bioelectronics</i> , 2020, 158, 112184.	10.1	21
65	State-of-the-art progress of switch fluorescence biosensors based on metal-organic frameworks and nucleic acids. <i>Mikrochimica Acta</i> , 2021, 188, 168.	5.0	21
66	Development and perspectives of rapid detection technology in food and environment. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 4706-4725.	10.3	21
67	Simultaneous and highly sensitive detection of six different foodborne pathogens by high-throughput suspension array technology. <i>Food Control</i> , 2014, 40, 300-309.	5.5	20
68	Ultrasensitive competitive detection of patulin toxin by using strand displacement amplification and DNA G-quadruplex with aggregation-induced emission. <i>Analytica Chimica Acta</i> , 2020, 1106, 161-167.	5.4	20
69	Stimuli-responsive DNA-based hydrogels for biosensing applications. <i>Journal of Nanobiotechnology</i> , 2022, 20, 40.	9.1	20
70	A novel polymerization of ultrathin sensitive imprinted film on surface plasmon resonance sensor. <i>Analyst</i> , 2012, 137, 4571.	3.5	19
71	Effects of fast food packaging plasticizers and their metabolites on steroid hormone synthesis in H295R cells. <i>Science of the Total Environment</i> , 2020, 726, 138500.	8.0	19
72	Detection of staphylococcal enterotoxin C2 employing a piezoelectric crystal immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2000, 66, 193-196.	7.8	18

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73	Modified SBA-15 matrices for high-throughput screening of melamine in milk samples by MALDI-TOF MS. <i>International Journal of Mass Spectrometry</i> , 2013, 338, 39-44.	1.5	18
74	Michael-Addition-Mediated Photonic Crystals Allow Pretreatment-Free and Label-Free Sensing of Ciprofloxacin in Fish Farming Water. <i>Analytical Chemistry</i> , 2018, 90, 1388-1394.	6.5	18
75	LSPR-enhanced photonic crystal allows ultrasensitive and label-free detection of hazardous chemicals. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127671.	7.8	18
76	Development of a highly sensitive detection method for TTX based on a magnetic bead-aptamer competition system under triple cycle amplification. <i>Analytica Chimica Acta</i> , 2020, 1119, 18-24.	5.4	18
77	Immunosorbent assay based on upconversion nanoparticles controllable assembly for simultaneous detection of three antibiotics. <i>Journal of Hazardous Materials</i> , 2021, 406, 124703.	12.4	18
78	An ultrasensitive sensor based on quantitatively modified upconversion particles for trace bisphenol A detection. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 171-179.	3.7	17
79	Pretreatment-free detection of diazepam in beverages based on a thermometric biosensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 504-512.	7.8	16
80	Quartz crystal microbalance for the detection of carbaryl using molecularly imprinted polymers as recognition element. <i>Journal of Separation Science</i> , 2009, 32, 3334-3339.	2.5	15
81	Fast detection of atrazine in corn using thermometric biosensors. <i>Analyst, The</i> , 2013, 138, 5151.	3.5	15
82	Microarray expression profiling and co-expression network analysis of circulating lncRNAs and mRNAs associated with neurotoxicity induced by BPA. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15006-15018.	5.3	15
83	Sensitive Fluorescence Aptasensor Based on Hybridization Chain Reaction with Upconversion Nanoparticles by Triplex DNA Formation for Bisphenol A Detection. <i>ACS Applied Bio Materials</i> , 2021, 4, 763-769.	4.6	15
84	Rapid high-throughput detection of diethylstilbestrol by using the arrayed langasite crystal microbalance combined with gold nanoparticles through competitive immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 245-253.	7.8	14
85	A label-free detection of diethylstilbestrol based on molecularly imprinted polymer-coated upconversion nanoparticles obtained by surface grafting. <i>RSC Advances</i> , 2017, 7, 22215-22221.	3.6	14
86	Rapid detection of staphylococcal enterotoxin B in milk samples based on fluorescence hybridization chain reaction amplification. <i>RSC Advances</i> , 2018, 8, 16024-16031.	3.6	14
87	A low-field nuclear magnetic resonance DNA-hydrogel nanoprobe for bisphenol A determination in drinking water. <i>Mikrochimica Acta</i> , 2020, 187, 333.	5.0	14
88	Target-responsive DNA hydrogel with microfluidic chip smart readout for quantitative point-of-care testing of creatine kinase MB. <i>Talanta</i> , 2022, 243, 123338.	5.5	14
89	Study on the echinococcosis blood serum detection based on Raman spectroscopy combined with neural network. <i>Optoelectronics Letters</i> , 2017, 13, 77-80.	0.8	13
90	Surface Siloxane-Modified Silica Materials Combined with Metal-Organic Frameworks as Novel MALDI Matrixes for the Detection of Low-MW Compounds. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 37793-37803.	8.0	13

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91	Complete antigen-bridged DNA strand displacement amplification immuno-PCR assay for ultrasensitive detection of salbutamol. <i>Science of the Total Environment</i> , 2020, 748, 142330.	8.0	13
92	Detection of SEB gene by bilayer lipid membranes nucleic acid biosensor supported by modified patch-clamp pipette electrode. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2371-2376.	10.1	12
93	Determination of <i>Listeria Monocytogenes</i> in Milk Samples by Signal Amplification Quartz Crystal Microbalance Sensor. <i>Analytical Letters</i> , 2010, 43, 312-322.	1.8	12
94	Rapid Detection of Staphylococcal Enterotoxin B by Two-Dimensional Molecularly Imprinted Film-Coated Quartz Crystal Microbalance. <i>Analytical Letters</i> , 2012, 45, 283-295.	1.8	12
95	Detection of small molecules using SBA-15 modified CHCA as a novel matrix of MALDI-TOF MS. <i>International Journal of Mass Spectrometry</i> , 2017, 417, 34-39.	1.5	12
96	Low field nuclear magnetic sensing technology based on hydrogel-coated superparamagnetic particles. <i>Analytica Chimica Acta</i> , 2020, 1094, 151-159.	5.4	12
97	Au-doped photonic crystal allows naked-eye determination of small organic molecules. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128493.	7.8	12
98	Rapid and ultrasensitive detection of DNA and microRNA-21 using a zirconium porphyrin metal-organic framework-based switch fluorescence biosensor. <i>Analytica Chimica Acta</i> , 2022, 1192, 339340.	5.4	12
99	Highly Ordered, Plasmonic Enhanced Inverse Opal Photonic Crystal for Ultrasensitive Detection of Staphylococcal Enterotoxin B. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4637-4646.	8.0	12
100	Selection of Diethylstilbestrol-Specific Single-Chain Antibodies from a Non-Immunized Mouse Ribosome Display Library. <i>PLoS ONE</i> , 2012, 7, e33186.	2.5	11
101	Determination of Bisphenol A by High-Performance Liquid Chromatography Based on Graphene Magnetic Dispersion Solid Phase Extraction. <i>Journal of Chromatographic Science</i> , 2020, 58, 280-286.	1.4	11
102	Detection of Three Different Estrogens in Milk Employing SPR Sensors Based on Double Signal Amplification Using Graphene. <i>Food Analytical Methods</i> , 2021, 14, 54-65.	2.6	11
103	Dual Sensitization Smartphone Colorimetric Strategy Based on RCA Coils Gathering Au Tetrahedra and Its Application in the Detection of CK-MB. <i>Analytical Chemistry</i> , 2021, 93, 16922-16931.	6.5	11
104	Recognition of <i>Staphylococcus</i> enterotoxin <i>via</i> molecularly imprinted beads. <i>Journal of Separation Science</i> , 2008, 31, 413-418.	2.5	10
105	Sensitive detection of atrazine in tap water using TELISA. <i>Analyst</i> , 2015, 140, 5220-5226.	3.5	10
106	Ultrasensitive Sensing Material Based on Opal Photonic Crystal for Label-Free Monitoring of Transferrin. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5778-5783.	8.0	10
107	A tri-functional probe mediated exponential amplification strategy for highly sensitive detection of Dnmt1 and UDG activities at single-cell level. <i>Analytica Chimica Acta</i> , 2020, 1103, 164-173.	5.4	10
108	Characterization and quality assessment of binding properties of the monocrotophos molecularly imprinted microspheres prepared by precipitation polymerization in toluene. <i>Polymer Engineering and Science</i> , 2007, 47, 1302-1308.	3.1	9

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109	Efficient Detection of Environmental Estrogens Bisphenol A and Estradiol By Sensing System Based on AuNP-AuNP-UCNP Triple Structure. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 486-492.	1.7	9
110	A highly sensitive immunofluorescence sensor based on bicolor upconversion and magnetic separation for simultaneous detection of fumonisin B1 and zearalenone. <i>Analyst, The</i> , 2021, 146, 3328-3335.	3.5	9
111	Simultaneous detection of diethylstilbestrol and estradiol residues with a single immunochromatographic assay strip. <i>Food Science and Nutrition</i> , 2021, 9, 1824-1830.	3.4	9
112	A Dipstick Read Test Strip for the Determination of Nitrite in Food Samples for the Field Screening. <i>Analytical Letters</i> , 2005, 38, 1803-1811.	1.8	8
113	Bio-barcode triggered isothermal amplification in a fluorometric competitive immunoassay for the phytotoxin abrin. <i>Mikrochimica Acta</i> , 2020, 187, 127.	5.0	8
114	Fabrication of Magnetic Al-Based Fe <sub>3</sub> O <sub>4</sub> @MIL-53 Metal Organic Framework for Capture of Multi-Pollutants Residue in Milk Followed by HPLC-UV. <i>Molecules</i> , 2022, 27, 2088.	3.8	8
115	Wearable biosensors for human fatigue diagnosis: A review. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	8
116	Studies on biotin-avidin indirect conjugated technology for a piezoelectric DNA sensor. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 599-606.	3.3	7
117	Construction of ribosome display library based on lipocalin scaffold and screening anticalins with specificity for estradiol. <i>Analyst, The</i> , 2012, 137, 2470.	3.5	7
118	Ultrasound-Assisted Extraction Combined with HPLC-UV for Fast Determination of Sulfamethazine and Its N4-Acetyl Metabolite in Plasma and Phosphate Buffer. <i>Analytical Letters</i> , 2012, 45, 1836-1848.	1.8	7
119	Selection of bisphenol A single-chain antibodies from a non-immunized mouse library by ribosome display. <i>Analytical Biochemistry</i> , 2015, 488, 59-64.	2.4	7
120	Simple and programmed three-dimensional DNA tweezer for simultaneous one-step detection of ochratoxin A and zearalenone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120991.	3.9	7
121	A highly sensitive fluorometric biosensor for Fumonisin B1 detection based on upconversion nanoparticles-graphene oxide and catalytic hairpin assembly. <i>Analytica Chimica Acta</i> , 2022, 1207, 339811.	5.4	7
122	Determination of Daminozide in Apple Sample by Mip-Coated Piezoelectric Quartz Sensor. <i>Analytical Letters</i> , 2007, 40, 1013-1021.	1.8	6
123	A highly sensitive method for detection of bisphenol A in water samples based on functionalised Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @nylon66. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 124-133.	3.3	6
124	Application of Aptamer-based Biosensor in Bisphenol A Detection. <i>Chinese Journal of Analytical Chemistry</i> , 2021, 49, 172-183.	1.7	6
125	The Role of Suspension Array Technology in Rapid Detection of Foodborne Pollutants: Applications and Future Challenges. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-14.	3.5	6
126	The orphan nuclear receptor Nur77 plays a vital role in BPA-induced PC12 cell apoptosis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 112026.	6.0	6



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127	Aptamer-based photonic crystals enable ultra-trace detection of staphylococcal enterotoxin B without labels. <i>Food Chemistry</i> , 2022, 391, 133271.	8.2	6
128	Exploring the performance of multi-channel tetrahedral nucleic acid tweezers platforms for efficient and sensitive biosensing. <i>Chemical Engineering Journal</i> , 2022, 448, 137635.	12.7	6
129	A novel one-step method to incorporate ss DNA into bilayer lipid membranes supported on an agar electrode. <i>Electrochemistry Communications</i> , 2008, 10, 787-790.	4.7	5
130	Polyacrylamide gel beads for the recognition of staphylococcal enterotoxin B. <i>Polymers for Advanced Technologies</i> , 2014, 25, 900-904.	3.2	5
131	An evaluation assay for thymine-mercuric-thymine coordination in the molecular beacon-binding system based on microscale thermophoresis. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 680-688.	7.8	5
132	Rapid determination of <i>Staphylococcus aureus</i> enterotoxin B in milk using Raman spectroscopy and chemometric methods. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 709-714.	2.5	5
133	Determination of quinocetone and its two major metabolites in chicken liver and muscle tissues by liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2012, 4, 1149.	2.7	4
134	Synthesis and Characteristics of Large-Area and High-Filling CdS Nanowire Arrays in AAO Template. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3709-3712.	0.9	4
135	Glutaraldehyde base-cross-linked chitosan-silanol/Fe <sub>3</sub> O <sub>4</sub> composite for removal of heavy metals and bacteria. <i>Environmental Science and Pollution Research</i> , 2022, 29, 69439-69449.	5.3	4
136	Controlled synthesis and characteristics of large-area and high-filling nickel nanowires arrays in AAO template. <i>Micro and Nano Letters</i> , 2018, 13, 1716-1718.	1.3	3
137	Bifunctional ligand-mediated amplification of polydiacetylene response to biorecognition of diethylstilbestrol for on-site smartphone detection. <i>Journal of Hazardous Materials</i> , 2022, 432, 128692.	12.4	3
138	Latest developments in the upconversion nanotechnology for the rapid detection of food safety: A review. <i>Nanotechnology Reviews</i> , 2022, 11, 2110-2122.	5.8	3
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140	Preparation of a Photoluminescent Film on a Silicon-On-Insulator Device for the Simple, Rapid, and Quantitative Detection of a Hydatid Disease Diagnostic Protein Marker. <i>IEEE Photonics Journal</i> , 2017, 9, 1-7.	2.0	2
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