

Ning Gan

List of Publications by Year in descending order

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165
papers

5,497
citations

71102

41
h-index

128289

60
g-index

166
all docs

166
docs citations

166
times ranked

5418
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and removal of antibiotic tetracycline in water with a highly stable luminescent MOF. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 137-143.	7.8	225
2	A novel aptamer- metal ions- nanoscale MOF based electrochemical biocodes for multiple antibiotics detection and signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 1201-1209.	7.8	134
3	A novel "dual-potential" electrochemiluminescence aptasensor array using CdS quantum dots and luminol-gold nanoparticles as labels for simultaneous detection of malachite green and chloramphenicol. <i>Biosensors and Bioelectronics</i> , 2015, 74, 587-593.	10.1	108
4	Enrichment of polychlorinated biphenyl 28 from aqueous solutions using Fe ₃ O ₄ grafted graphene oxide. <i>Chemical Engineering Journal</i> , 2013, 218, 108-115.	12.7	104
5	Ratiometric and Turn-On Luminescence Detection of Water in Organic Solvents Using a Responsive Europium-Organic Framework. <i>Analytical Chemistry</i> , 2019, 91, 4845-4851.	6.5	93
6	Simultaneous electrochemical immunoassay using graphene-Au grafted recombinant apoferritin-encoded metallic labels as signal tags and dual-template magnetic molecular imprinted polymer as capture probes. <i>Biosensors and Bioelectronics</i> , 2015, 65, 78-82.	10.1	90
7	A sensitive electrochemical aptasensor for multiplex antibiotics detection based on high-capacity magnetic hollow porous nanotracer coupling exonuclease-assisted cascade target recycling. <i>Biosensors and Bioelectronics</i> , 2016, 78, 51-57.	10.1	90
8	A luminescent Lanthanide-free MOF nanohybrid for highly sensitive ratiometric temperature sensing in physiological range. <i>Talanta</i> , 2018, 181, 410-415.	5.5	87
9	Modified zeolitic imidazolate framework-8 as solid-phase microextraction Arrow coating for sampling of amines in wastewater and food samples followed by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1486, 76-85.	3.7	78
10	An automated solid-phase microextraction method based on magnetic molecularly imprinted polymer as fiber coating for detection of trace estrogens in milk powder. <i>Journal of Chromatography A</i> , 2014, 1331, 10-18.	3.7	77
11	A cost-effective sandwich electrochemiluminescence immunosensor for ultrasensitive detection of HIV-1 antibody using magnetic molecularly imprinted polymers as capture probes. <i>Biosensors and Bioelectronics</i> , 2014, 54, 199-206.	10.1	77
12	Application of Multiplexed Aptasensors in Food Contaminants Detection. <i>ACS Sensors</i> , 2020, 5, 3721-3738.	7.8	75
13	Magnetic metal-organic frameworks coated stir bar sorptive extraction coupled with GC-MS for determination of polychlorinated biphenyls in fish samples. <i>Talanta</i> , 2015, 144, 1139-1145.	5.5	74
14	Ratiometric biosensor array for multiplexed detection of microRNAs based on electrochemiluminescence coupled with cyclic voltammetry. <i>Biosensors and Bioelectronics</i> , 2016, 75, 308-314.	10.1	74
15	Development of a novel magnetic molecularly imprinted polymer coating using porous zeolite imidazolate framework-8 coated magnetic iron oxide as carrier for automated solid phase microextraction of estrogens in fish and pork samples. <i>Journal of Chromatography A</i> , 2014, 1365, 35-44.	3.7	72
16	Ultrace detection of C-reactive protein by a piezoelectric immunosensor based on Fe ₃ O ₄ @SiO ₂ magnetic capture nanoprobe and HRP-antibody co-immobilized nano gold as signal tags. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 494-500.	7.8	71
17	An electrochemical aptasensor for multiplex antibiotics detection based on metal ions doped nanoscale MOFs as signal tracers and RecJf exonuclease-assisted targets recycling amplification. <i>Talanta</i> , 2016, 161, 867-874.	5.5	71
18	The sandwich-type electrochemiluminescence immunosensor for α -fetoprotein based on enrichment by Fe ₃ O ₄ -Au magnetic nano probes and signal amplification by CdS-Au composite nanoparticles labeled anti-AFP. <i>Analytica Chimica Acta</i> , 2012, 746, 107-113.	5.4	69

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19	Selective dispersive solid phase extraction-chromatography tandem mass spectrometry based on aptamer-functionalized UiO-66-NH ₂ for determination of polychlorinated biphenyls. <i>Journal of Chromatography A</i> , 2016, 1446, 34-40.	3.7	68
20	Aptamer-functionalized stir bar sorptive extraction coupled with gas chromatography-mass spectrometry for selective enrichment and determination of polychlorinated biphenyls in fish samples. <i>Talanta</i> , 2016, 149, 266-274.	5.5	68
21	Novel label-free and high-throughput microchip electrophoresis platform for multiplex antibiotic residues detection based on aptamer probes and target catalyzed hairpin assembly for signal amplification. <i>Biosensors and Bioelectronics</i> , 2017, 97, 100-106.	10.1	68
22	An electrochemical aptasensor for multiplex antibiotics detection using Y-shaped DNA-based metal ions encoded probes with NMOF substrate and CSRP target-triggered amplification strategy. <i>Analytica Chimica Acta</i> , 2017, 968, 30-39.	5.4	68
23	Mimicking an Enzyme-Based Colorimetric Aptasensor for Antibiotic Residue Detection in Milk Combining Magnetic Loop-DNA Probes and CHA-Assisted Target Recycling Amplification. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5731-5740.	5.2	64
24	An Ultrasensitive Electrochemiluminescent Immunoassay for Aflatoxin M ₁ in Milk, Based on Extraction by Magnetic Graphene and Detection by Antibody-Labeled CdTe Quantum Dots-Carbon Nanotubes Nanocomposite. <i>Toxins</i> , 2013, 5, 865-883.	3.4	62
25	A signal-on aptasensor for simultaneous detection of chloramphenicol and polychlorinated biphenyls using multi-metal ions encoded nanospherical brushes as tracers. <i>Biosensors and Bioelectronics</i> , 2015, 74, 718-724.	10.1	62
26	A two dimensional metal-organic framework nanosheets-based fluorescence resonance energy transfer aptasensor with circular strand-replacement DNA polymerization target-triggered amplification strategy for homogenous detection of antibiotics. <i>Analytica Chimica Acta</i> , 2018, 1020, 1-8.	5.4	60
27	A colorimetric aptasensor for chloramphenicol in fish based on double-stranded DNA antibody labeled enzyme-linked polymer nanotracers for signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 679-687.	7.8	59
28	A Sandwich HIV p24 Amperometric Immunosensor Based on a Direct Gold Electroplating-Modified Electrode. <i>Molecules</i> , 2012, 17, 5988-6000.	3.8	54
29	A single antibody sandwich electrochemiluminescence immunosensor based on protein magnetic molecularly imprinted polymers mimicking capture probes. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 300-307.	7.8	54
30	Novel single-stranded DNA binding protein-assisted fluorescence aptamer switch based on FRET for homogeneous detection of antibiotics. <i>Biosensors and Bioelectronics</i> , 2017, 87, 508-513.	10.1	54
31	Microchip electrophoresis based aptasensor for multiplexed detection of antibiotics in foods via a stir-bar assisted multi-arm junctions recycling for signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 130, 139-146.	10.1	54
32	An Ultrasensitive Electrochemical Immunosensor for HIV p24 Based on Fe ₃ O ₄ @SiO ₂ Nanomagnetic Probes and Nanogold Colloid-Labeled Enzyme-Antibody Copolymer as Signal Tag. <i>Materials</i> , 2013, 6, 1255-1269.	2.9	53
33	Electrochemical simultaneous assay of chloramphenicol and PCB72 using magnetic and aptamer-modified quantum dot-encoded dendritic nanotracers for signal amplification. <i>Mikrochimica Acta</i> , 2016, 183, 1099-1106.	5.0	51
34	A poly-dopamine based metal-organic framework coating of the type PDA-MIL-53(Fe) for ultrasound-assisted solid-phase microextraction of polychlorinated biphenyls prior to their determination by GC-MS. <i>Mikrochimica Acta</i> , 2017, 184, 2561-2568.	5.0	48
35	A novel dual-template molecularly imprinted electrochemiluminescence immunosensor array using Ru(bpy) ₃ ²⁺ -Silica@Poly-L-lysine-Au composite nanoparticles as labels for near-simultaneous detection of tumor markers. <i>Electrochimica Acta</i> , 2014, 139, 127-136.	5.2	47
36	Ratiometric electrochemiluminescent aptasensor array for antibiotic based on internal standard method and spatial-resolved technique. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 305-311.	7.8	46

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37	A Multicolor Fluorescence Nanoprobe Platform Using Two-Dimensional Metal Organic Framework Nanosheets and Double Stirring Bar Assisted Target Replacement for Multiple Bioanalytical Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41506-41515.	8.0	46
38	A lanthanide functionalized MOF hybrid for ratiometric luminescence detection of an anthrax biomarker. <i>CrystEngComm</i> , 2018, 20, 1264-1270.	2.6	44
39	Electrochemical aptasensor for multi-antibiotics detection based on endonuclease and exonuclease assisted dual recycling amplification strategy. <i>Talanta</i> , 2018, 179, 28-36.	5.5	44
40	Resonance Rayleigh scattering determination of trace amounts of Al in natural waters and biological samples based on the formation of an Al(III)-morin-surfactant complex. <i>Analytica Chimica Acta</i> , 2004, 501, 89-97.	5.4	43
41	Fluorescent aptasensor for chloramphenicol detection using DIL-encapsulated liposome as nanotracer. <i>Biosensors and Bioelectronics</i> , 2016, 81, 454-459.	10.1	43
42	A headspace sorptive extraction method with magnetic mesoporous titanium dioxide@covalent organic frameworks composite coating for selective determination of trace polychlorinated biphenyls in soils. <i>Journal of Chromatography A</i> , 2018, 1572, 1-8.	3.7	43
43	Electrochemical Enzyme-Linked Immunosorbent Assay (ELISA) for α -Fetoprotein Based on Glucose Detection with Multi-enzyme-Nanoparticle Amplification. <i>Molecules</i> , 2013, 18, 12675-12686.	3.8	42
44	A homogeneous and sensitive fluorescence aptamer-based assay for chloramphenicol using vesicle quantum dot-gold colloid composite probes. <i>Analytica Chimica Acta</i> , 2016, 929, 49-55.	5.4	42
45	Environmentally friendly solid-phase microextraction coupled with gas chromatography and mass spectrometry for the determination of biogenic amines in fish samples. <i>Journal of Separation Science</i> , 2016, 39, 4384-4390.	2.5	42
46	An ultrasensitive fluorescence aptasensor for chloramphenicol based on FRET between quantum dots as donor and the magnetic SiO ₂ @Au NPs probe as acceptor with exonuclease-assisted target recycling. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 1066-1072.	7.8	42
47	Enzyme- and label-free electrochemical aptasensor for kanamycin detection based on double stir bar-assisted toehold-mediated strand displacement reaction for dual-signal amplification. <i>Biosensors and Bioelectronics</i> , 2018, 112, 202-208.	10.1	42
48	A solid phase microextraction Arrow with zirconium metal-organic framework/molybdenum disulfide coating coupled with gas chromatography-mass spectrometer for the determination of polycyclic aromatic hydrocarbons in fish samples. <i>Journal of Chromatography A</i> , 2019, 1592, 9-18.	3.7	42
49	Fe ₃ O ₄ /Au magnetic nanoparticle amplification strategies for ultrasensitive electrochemical immunoassay of α -fetoprotein. <i>International Journal of Nanomedicine</i> , 2011, 6, 3259.	6.7	39
50	A molybdenum disulfide/reduced graphene oxide fiber coating coupled with gas chromatography-mass spectrometry for the saponification-headspace solid-phase microextraction of polychlorinated biphenyls in food. <i>Journal of Chromatography A</i> , 2017, 1525, 42-50.	3.7	39
51	A Sandwich Electrochemical Immunosensor Using Magnetic DNA Nanoprobes for Carcinoembryonic Antigen. <i>International Journal of Molecular Sciences</i> , 2011, 12, 7410-7423.	4.1	38
52	A triple-amplification SPR electrochemiluminescence assay for chloramphenicol based on polymer enzyme-linked nanotracers and exonuclease-assisted target recycling. <i>Biosensors and Bioelectronics</i> , 2016, 86, 477-483.	10.1	37
53	An antibody-free and signal-on type electrochemiluminescence sensor for diethylstilbestrol detection based on magnetic molecularly imprinted polymers-quantum dots labeled aptamer conjugated probes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 789, 1-8.	3.8	36
54	A label-free and universal platform for antibiotics detection based on microchip electrophoresis using aptamer probes. <i>Talanta</i> , 2017, 167, 544-549.	5.5	36

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55	A POCT colorimetric aptasensor for streptomycin detection using porous silica beads- enzyme linked polymer aptamer probes and exonuclease-assisted target recycling for signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 349-358.	7.8	35
56	A microfluidic chip based ratiometric aptasensor for antibiotic detection in foods using stir bar assisted sorptive extraction and rolling circle amplification. <i>Analyst</i> , The, 2019, 144, 2755-2764.	3.5	35
57	Determination of the speciation of aluminum(III) in natural waters by adsorption stripping voltammetry and complexation with Al III "solochrome violet RS. <i>Analytica Chimica Acta</i> , 2001, 449, 35-44.	5.4	34
58	Simultaneous and specific enrichment of several amphenicol antibiotics residues in food based on novel aptamer functionalized magnetic adsorbents using HPLC-DAD. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1060, 247-254.	2.3	34
59	A pyrene-involved luminescent MOF for monitoring 1-hydroxypyrene, a biomarker for human intoxication of PAH carcinogens. <i>Analyst</i> , The, 2018, 143, 3628-3634.	3.5	34
60	Microfluidic Chip for Multiplex Detection of Trace Chemical Contaminants Based on Magnetic Encoded Aptamer Probes and Multibranching DNA Nanostructures as Signal Tags. <i>ACS Sensors</i> , 2019, 4, 2131-2139.	7.8	34
61	A universal signal-on electrochemical assay for rapid on-site quantitation of vibrio parahaemolyticus using aptamer modified magnetic metal-organic framework and phenylboronic acid-ferrocene co-immobilized nanolabel. <i>Analytica Chimica Acta</i> , 2020, 1133, 128-136.	5.4	34
62	An Ultrasensitive Electrochemical Immunosensor for Alpha-Fetoprotein Using an Envision Complex-Antibody Copolymer as a Sensitive Label. <i>Materials</i> , 2012, 5, 2757-2772.	2.9	33
63	Electrochemiluminescence immunosensor for the determination of ag alpha fetoprotein based on energy scavenging of quantum dots. <i>Electrochemistry Communications</i> , 2012, 14, 13-16.	4.7	33
64	Electrochemiluminescence immunosensor for tumor markers based on biological barcode mode with conductive nanospheres. <i>Biosensors and Bioelectronics</i> , 2014, 53, 135-141.	10.1	33
65	Î²-cyclodextrin functionalized meso-/macroporous magnetic titanium dioxide adsorbent as extraction material combined with gas chromatography-mass spectrometry for the detection of chlorobenzenes in soil samples. <i>Journal of Chromatography A</i> , 2015, 1401, 24-32.	3.7	33
66	An on-site immunosensor for ractopamine based on a personal glucose meter and using magnetic Î²-cyclodextrin-coated nanoparticles for enrichment, and an invertase-labeled nanogold probe for signal amplification. <i>Mikrochimica Acta</i> , 2015, 182, 815-822.	5.0	33
67	Magnetic nanospheres with a molecularly imprinted shell for the preconcentration of diethylstilbestrol. <i>Mikrochimica Acta</i> , 2014, 181, 1341-1351.	5.0	32
68	Signal amplification for multianalyte electrochemical immunoassay with bidirectional stripping voltammetry using metal-enriched polymer nanolabels. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 244-253.	7.8	31
69	Novel molecularly imprinted stir bar sorptive extraction based on an 8-electrode array for preconcentration of trace exogenous estrogens in meat. <i>Analytica Chimica Acta</i> , 2015, 853, 342-350.	5.4	31
70	Three dimensional M Ã— N type aptamer-functionalized solid-phase micro extraction fibers array for selectively sorptive extraction of multiple antibiotic residues in milk. <i>RSC Advances</i> , 2017, 7, 6800-6808.	3.6	31
71	Microchip electrophoresis array-based aptasensor for multiplex antibiotic detection using functionalized magnetic beads and polymerase chain reaction amplification. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 568-574.	7.8	31
72	A multiple signal amplified colorimetric aptasensor for antibiotics measurement using DNAzyme labeled Fe-MIL-88-Pt as novel peroxidase mimic tags and CSDP target-triggered cycles. <i>Talanta</i> , 2018, 187, 27-34.	5.5	31

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73	Highly sensitive and simultaneous detection of microRNAs in serum using stir-bar assisted magnetic DNA nanospheres-encoded probes. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111831.	10.1	31
74	Enrichment of Polychlorinated Biphenyls from Aqueous Solutions Using Fe ₃ O ₄ Grafted Multiwalled Carbon Nanotubes with Poly Dimethyl Diallyl Ammonium Chloride. <i>International Journal of Molecular Sciences</i> , 2012, 13, 6382-6398.	4.1	30
75	Two-Photon QDs-Based Dual-Mode Nanoprobe for Fluorescence Imaging and Magnetic Resonance Imaging of Intracellular Wide pH. <i>Analytical Chemistry</i> , 2021, 93, 5691-5699.	6.5	30
76	Incubation-free electrochemical immunoassay for diethylstilbestrol in milk using gold nanoparticle-antibody conjugates for signal amplification. <i>Mikrochimica Acta</i> , 2014, 181, 453-462.	5.0	29
77	Multi-walled carbon nanotube modified dummy-template magnetic molecularly imprinted microspheres as solid-phase extraction material for the determination of polychlorinated biphenyls in fish. <i>Journal of Separation Science</i> , 2014, 37, 1591-1600.	2.5	29
78	Biomimetic Polymer-Based Method for Selective Capture of C-Reactive Protein in Biological Fluids. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41999-42008.	8.0	29
79	Electro-deposited poly-luminol molecularly imprinted polymer coating on carboxyl graphene for stir bar sorptive extraction of estrogens in milk. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1027, 50-56.	2.3	28
80	Switch-on fluorescence scheme for antibiotics based on a magnetic composite probe with aptamer and hemin/G-quadruplex coimmobilized nano-Pt-luminol as signal tracer. <i>Talanta</i> , 2016, 147, 296-301.	5.5	28
81	A portable and antibody-free sandwich assay for determination of chloramphenicol in food based on a personal glucose meter. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2499-2507.	3.7	27
82	An aptamer-based colorimetric assay for chloramphenicol using a polymeric HRP-antibody conjugate for signal amplification. <i>Mikrochimica Acta</i> , 2015, 182, 2551-2559.	5.0	27
83	Microfluidic electrophoretic non-enzymatic kanamycin assay making use of a stirring bar functionalized with gold-labeled aptamer, of a fluorescent DNA probe, and of signal amplification via hybridization chain reaction. <i>Mikrochimica Acta</i> , 2018, 185, 181.	5.0	27
84	Rapid and sensitive detection of <i>Staphylococcus aureus</i> by using a long-period fiber grating immunosensor coated with egg yolk antibody. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113860.	10.1	26
85	Electrochemical coding for multiplexed immunoassays of biomarkers based on bio-based polymer-nanotags. <i>Electrochimica Acta</i> , 2015, 163, 238-245.	5.2	25
86	A sandwich-hybridization assay for simultaneous determination of HIV and tuberculosis DNA targets based on signal amplification by quantum dots-PowerVision [®] polymer coding nanotracers. <i>Biosensors and Bioelectronics</i> , 2015, 71, 207-213.	10.1	25
87	Multiplexed electrochemical aptasensor for antibiotics detection using metallic-encoded apoferritin probes and double stirring bars-assisted target recycling for signal amplification. <i>Talanta</i> , 2019, 197, 491-499.	5.5	25
88	Simultaneously responsive microfluidic chip aptasensor for determination of kanamycin, aflatoxin M ₁ , and 17 β -estradiol based on magnetic tripartite DNA assembly nanostructure probes. <i>Mikrochimica Acta</i> , 2020, 187, 176.	5.0	25
89	A novel aptamer-quantum dot fluorescence probe for specific detection of antibiotic residues in milk. <i>Analytical Methods</i> , 2016, 8, 3006-3013.	2.7	24
90	An endonuclease-linked multiplex immunoassay for tumor markers detection based on microfluidic chip electrophoresis for DNA analysis. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 526-533.	7.8	24

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91	Magnetic stir bars with hyperbranched aptamer as coating for selective, effective headspace extraction of trace polychlorinated biphenyls in soils. <i>Journal of Chromatography A</i> , 2020, 1614, 460715.	3.7	24
92	A Non-enzyme Amperometric Immunosensor for Rapid Determination of Human Immunodeficiency Virus p24 Based on Magnetism Controlled Carbon Nanotubes Modified Printed Electrode. <i>Chinese Journal of Analytical Chemistry</i> , 2010, 38, 1556-1562.	1.7	23
93	A facile colorimetric aptamer assay for small molecule detection in food based on a magnetic single-stranded DNA binding protein-linked composite probe. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 979-987.	7.8	23
94	A Novel Magnetic Graphene Oxide Composite Absorbent for Removing Trace Residues of Polybrominated Diphenyl Ethers in Water. <i>Materials</i> , 2014, 7, 6028-6044.	2.9	22
95	Determination of aliphatic amines in food by on-fiber derivatization solid-phase microextraction with a novel zeolitic imidazolate framework 8-coated stainless steel fiber. <i>Talanta</i> , 2017, 165, 326-331.	5.5	22
96	Microfluidic chip electrophoresis for simultaneous fluorometric aptasensing of alpha-fetoprotein, carbohydrate antigen 125 and carcinoembryonic antigen by applying a catalytic hairpin assembly. <i>Mikrochimica Acta</i> , 2019, 186, 547.	5.0	22
97	An Amperometric Immunosensor Based on a Polyelectrolyte/ Gold Magnetic Nanoparticle Supramolecular Assembly Modified Electrode for the Determination of HIV p24 in Serum. <i>Molecules</i> , 2010, 15, 5053-5065.	3.8	21
98	Novel Stir Bar Array Sorptive Extraction Coupled With Gas Chromatography-Mass Spectrometry for Simultaneous Determination of Three β -Agonist Residues in Pork. <i>Chromatographia</i> , 2017, 80, 473-482.	1.3	21
99	A microchip electrophoresis-based assay for ratiometric detection of kanamycin by R-shape probe and exonuclease-assisted signal amplification. <i>Talanta</i> , 2018, 189, 494-501.	5.5	21
100	The universal dual-mode aptasensor for simultaneous determination of different bacteria based on naked eyes and microfluidic-chip together with magnetic DNA encoded probes. <i>Talanta</i> , 2021, 225, 122062.	5.5	21
101	Extraction of tributyltin by magnetic molecularly imprinted polymers. <i>Mikrochimica Acta</i> , 2013, 180, 545-553.	5.0	20
102	A triple-amplification colorimetric assay for antibiotics based on magnetic aptamer-enzyme co-immobilized platinum nanoprobe and exonuclease-assisted target recycling. <i>Analyst</i> , 2015, 140, 7663-7671.	3.5	20
103	A novel strategy for multiplexed immunoassay of tumor markers based on electrochemiluminescence coupled with cyclic voltammetry using graphene-polymer nanotags. <i>Electrochimica Acta</i> , 2015, 170, 292-299.	5.2	19
104	Novel method for the rapid and specific extraction of multiple β -agonist residues in food by tailor-made Monolith-MIPs extraction disks and detection by gas chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 3578-3585.	2.5	19
105	A sandwich-type aptasensor for point-of-care measurements of low-density lipoprotein in plasma based on aptamer-modified MOF and magnetic silica composite probes. <i>Microchemical Journal</i> , 2020, 158, 105288.	4.5	19
106	A Novel Signal-Amplified Immunoassay for the Detection of C-Reactive Protein Using HRP-Doped Magnetic Nanoparticles as Labels with the Electrochemical Quartz Crystal Microbalance as a Detector. <i>Journal of Analytical Methods in Chemistry</i> , 2013, 2013, 1-8.	1.6	18
107	A novel reductive graphene oxide-based magnetic molecularly imprinted poly(ethylene vinyl) Journal of Molecular Recognition, 2015, 28, 359-368.	2.1	18
108	A sensitive colorimetric aptasensor for chloramphenicol detection in fish and pork based on the amplification of a nano-peroxidase-polymer. <i>Analytical Methods</i> , 2015, 7, 6528-6536.	2.7	18

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109	A fluorometric aptamer method for kanamycin by applying a dual amplification strategy and using double Y-shaped DNA probes on a gold bar and on magnetite nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 120.	5.0	18
110	Portable fluoride-selective electrode as signal transducer for sensitive and selective detection of trace antibiotics in complex samples. <i>Biosensors and Bioelectronics</i> , 2019, 128, 113-121.	10.1	18
111	A turn-on type fluorescence resonance energy transfer aptasensor for vibrio detection using aptamer-modified polyhedral oligomeric silsesquioxane-perovskite quantum dots/Ti3C2 MXenes composite probes. <i>Mikrochimica Acta</i> , 2021, 188, 45.	5.0	18
112	Ultrasensitive microfluidic immunosensor with stir bar enrichment for point-of-care test of <i>Staphylococcus aureus</i> in foods triggered by DNAzyme-assisted click reaction. <i>Food Chemistry</i> , 2022, 378, 132093.	8.2	18
113	An Ultrasensitive Electrochemiluminescence Immunoassay for Carbohydrate Antigen 19-9 in Serum Based on Antibody Labeled Fe ₃ O ₄ Nanoparticles as Capture Probes and Graphene/CdTe Quantum Dot Bionanoconjugates as Signal Amplifiers. <i>International Journal of Molecular Sciences</i> , 2013, 14, 10397-10411.	4.1	17
114	Zero background and triple-signal amplified fluorescence aptasensor for antibiotics detection in foods. <i>Talanta</i> , 2019, 199, 491-498.	5.5	17
115	Microchip electrophoresis based multiplexed assay for silver and mercury ions simultaneous detection in complex samples using a stirring bar modified with encoded hairpin probes for specific extraction. <i>Journal of Chromatography A</i> , 2019, 1589, 173-181.	3.7	17
116	A QCM immunosensor to rapidly detect ractopamine using bio-polymer conjugate and magnetic β -cyclodextrins. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 523-530.	7.8	16
117	A novel sandwich-type noncompetitive immunoassay of diethylstilbestrol using β -cyclodextrin modified electrode and polymer enzyme labels. <i>Journal of Electroanalytical Chemistry</i> , 2015, 736, 30-37.	3.8	16
118	Electrochemical aptasensor for simultaneous detection of foodborne pathogens based on a double stirring bars-assisted signal amplification strategy. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130337.	7.8	16
119	Dye encapsulation engineering in a tetraphenylethylene-based MOF for tunable white-light emission. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 568-574.	9.4	16
120	Reusable electrochemical biosensing platform based on egg yolk antibody-labeled magnetic covalent organic framework for on-site detection of <i>Escherichia coli</i> in foods. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132320.	7.8	16
121	A Three-Dimensional, Magnetic and Electroactive Nanoprobe for Amperometric Determination of Tumor Biomarkers. <i>International Journal of Molecular Sciences</i> , 2011, 12, 362-375.	4.1	15
122	Employment of a novel magnetically multifunctional purifying material for determination of toxic highly chlorinated polychlorinated biphenyls at trace levels in soil samples. <i>Journal of Chromatography A</i> , 2014, 1364, 36-44.	3.7	15
123	A novel colorimetric immunosensor based on platinum colloid nanoparticles immobilized on PowerVision as signal probes and Fe ₃ O ₄ @ β -cyclodextrin as capture probes for ractopamine detection in pork. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2818-2825.	3.5	15
124	Background signal-free and highly sensitive electrochemical aptasensor for rapid detecting tumor markers with Pb-MOF functionalized dendritic DNA probes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 861, 113956.	3.8	15
125	Osteopontin is Critical for Hyperactive mTOR-Induced Tumorigenesis in Oral Squamous Cell Carcinoma. <i>Journal of Cancer</i> , 2017, 8, 1362-1370.	2.5	14
126	Enzyme-free fluorometric assay for chloramphenicol based on double stirring bar-assisted dual signal amplification. <i>Mikrochimica Acta</i> , 2019, 186, 150.	5.0	14

#	ARTICLE	IF	CITATIONS
127	On-site and dual-mode detection of live <i>Vibrio parahaemolyticus</i> in waters: A universal pathogen sensing platform based on a smart hydrogel aptasensor imbedded with gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131947.	7.8	14
128	A homogenous "signal-on" aptasensor for antibiotics based on a single stranded DNA binding protein-quantum dot aptamer probe coupling exonuclease-assisted target recycling for signal amplification. <i>RSC Advances</i> , 2017, 7, 8381-8387.	3.6	13
129	Human telomeric hybrid-2-over-hybrid-1 G-quadruplex targeting and a selective hypersaline-tolerant sensor using abasic site-engineered monomorphism. <i>Analytica Chimica Acta</i> , 2017, 964, 161-169.	5.4	13
130	A universal assay strategy for sensitive and simultaneous quantitation of multiplex tumor markers based on the stirring rod-immobilized DNA-LaMnO ₃ perovskite-metal ions encoded probes. <i>Talanta</i> , 2021, 222, 121456.	5.5	13
131	A Renewable and Ultrasensitive Electrochemiluminescence Immunosensor Based on Magnetic RuL@SiO ₂ -Au~RuL-Ab ₂ Sandwich-Type Nano-Immuno-complexes. <i>Sensors</i> , 2011, 11, 7749-7762.	3.8	12
132	A Novel Signal-Amplified Immunoassay for Myoglobin Using Magnetic Core-Shell Fe ₃ O ₄ @Au- Multi Walled Carbon Nanotubes Composites as Labels Based on One Piezoelectric Sensor. <i>Integrated Ferroelectrics</i> , 2013, 144, 29-40.	0.7	12
133	The structure and coordinative self-assembly of films based on a palladium compound of pyridyl-acetylene platinum and its application in Suzuki and Heck coupling reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9164.	10.3	12
134	A novel microfluidic chip and antibody-aptamer based multianalysis method for simultaneous determination of several tumor markers with polymerization nicking reactions for homogenous signal amplification. <i>Microchemical Journal</i> , 2019, 147, 454-462.	4.5	12
135	Rapid fabrication of versatile zwitterionic super-hydrophilic polymers by sole-monomer system for biomolecules separation. <i>Chemical Engineering Journal</i> , 2020, 396, 125121.	12.7	12
136	Dual-mode aptasensor for simultaneous detection of multiple food-borne pathogenic bacteria based on colorimetry and microfluidic chip using stir bar sorptive extraction. <i>Mikrochimica Acta</i> , 2021, 188, 244.	5.0	11
137	Fluorescent aptasensor for detection of live foodborne pathogens based on multicolor perovskite-quantum-dot-encoded DNA probes and dual-stirring-bar-assisted signal amplification. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 913-922.	5.3	11
138	Direct Determination of Labile Monomeric Aluminum in Natural Waters By A.C. Oscillopolarography in the Presence of Rubeanic Acid. <i>Analytical Letters</i> , 1999, 32, 1435-1446.	1.8	10
139	Fractionation of aluminum in natural waters by fluorometry based on the competitive complexation. <i>Analytica Chimica Acta</i> , 2004, 511, 25-31.	5.4	10
140	Electrochemical Immunosensor for Human Immunodeficiency Virus p24 Antigen Based on Mercapto Succinic Acid Hydrazide Copper Monolayer Modified Gold Electrode. <i>Chinese Journal of Analytical Chemistry</i> , 2008, 36, 1167-1171.	1.7	10
141	A Novel Sandwich Electrochemical Immunosensor Based on the DNA-Derived Magnetic Nanochain Probes for Alpha-Fetoprotein. <i>Journal of Automated Methods and Management in Chemistry</i> , 2011, 2011, 1-7.	0.5	10
142	The fabrication of transferrin-modified two-photon gold nanoclusters with near-infrared fluorescence and their application in bioimaging. <i>Chemical Communications</i> , 2021, 57, 10391-10394.	4.1	10
143	Multiplex detection of quality indicator molecule targets in urine using programmable hairpin probes based on a simple double-T type microchip electrophoresis platform and isothermal polymerase-catalyzed target recycling. <i>Analyst</i> , 2018, 143, 2696-2704.	3.5	9
144	Structuring polarity-inverted TBA to G-quadruplex for selective recognition of planarity of natural isoquinoline alkaloids. <i>Analyst</i> , 2018, 143, 4907-4914.	3.5	9

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145	Amperometric Immunosensor for Determination of Clenbuterol Based on Enzyme-Antibody Coimmobilized ZrO ₂ Nano Probes as Signal Tag. Chinese Journal of Analytical Chemistry, 2013, 41, 828-834.	1.7	8
146	Tailor-made approach for selective isolation and elution of low-density lipoproteins by immunoaffinity sorbent on silica. Analytical Biochemistry, 2016, 514, 12-23.	2.4	8
147	Optimized Ge-As-Se-Te chalcogenide glass fiber sensor with polydopamine-coated tapered zone for the highly sensitive detection of p-xylene in waters. Optics Express, 2020, 28, 184.	3.4	8
148	Reagentless Amperometric Immunosensor Based on Human Immunodeficiency Virus Diagnosis Marker Glycoprotein 160 Antibody Coated Gold-Magnetic Particles Modified Electrode. Chinese Journal of Analytical Chemistry, 2009, 37, 1125-1130.	1.7	7
149	A Renewable C Reactive Protein Amperometric Immunosensor Based on Magnetic Multiwalled Carbon Nanotubes Probes Modified Electrode. Applied Mechanics and Materials, 0, 80-81, 452-456.	0.2	7
150	Application of a multifunctional magnetic mesoporous material for seafood sample clean-up prior to the determination of highly chlorinated polychlorinated biphenyls. RSC Advances, 2016, 6, 183-189.	3.6	7
151	Protein FT-IR amide bands are beneficial to bacterial typing. International Journal of Biological Macromolecules, 2022, 207, 358-364.	7.5	7
152	Synthesis, photoluminescence, catalysis and multilayer film assembly of an ethynylpyridine platinum compound. CrystEngComm, 2011, 13, 920-926.	2.6	6
153	A Sandwich-type Amperometric Immunosensor Based on One-dimensional Assembly of Magnetic DNA Nanoprobes. Chinese Journal of Analytical Chemistry, 2011, 39, 1634-1640.	1.7	6
154	Design of Sensitive Biocompatible Quantum Dots Embedded in Mesoporous Silica Microspheres for the Quantitative Immunoassay of Human Immunodeficiency Virus Antibodies. Electroanalysis, 2013, 25, 2384-2393.	2.9	6
155	DNAzyme-Catalyzed Click Chemistry for Facilitated Immobilization of Redox Functionalities on Self-Assembled Monolayers. Journal of Physical Chemistry C, 2020, 124, 19083-19090.	3.1	6
156	Highly Selective Molecular Recognition and Ultrasensitive Detection of 3,4-dichloroaniline Based on Molecularly Imprinted Sol-Gel Film Combined with Multi-Walled Carbon Nanotubes. Journal of the Electrochemical Society, 2013, 160, H742-H748.	2.9	5
157	An Ultrasensitive Simultaneous Multianalyte Immunoassay Based on Arsenic and Mercury Ions Labeled SiO ₂ @Au Nanoparticle Probes. Chinese Journal of Analytical Chemistry, 2014, 42, 817-823.	1.7	5
158	Enhanced Performance of Yolk-Shell Structured Si-PPy Composite as an Anode for Lithium Ion Batteries. Electrochemistry, 2015, 83, 1067-1070.	1.4	5
159	In situ growth of silver nanoparticles on polydopamine-coated chalcogenide glass tapered fiber for the highly sensitive detection of volatile organic compounds in water. Journal of Non-Crystalline Solids, 2022, 581, 121420.	3.1	5
160	A Novel Truncated DNAzyme Modified Paper Analytical Device for Point-of-Care Test of Copper Ions in Natural Waters. Chemosensors, 2022, 10, 72.	3.6	3
161	A BODIPY-Hemicyanine-Based Water-Soluble Dual-Color Fluorescence Probe for Colorimetric Monitoring of Intracellular Endogenous Sulfur Dioxide and Bioimaging Applications. ChemistrySelect, 2020, 5, 3033-3040.	1.5	2
162	An Amperometric Immunosensor for α -Fetoprotein Based on Antibody Coated Nano ZrO ₂ -Au-Poly Lysine Composite Membrane Modified Electrode. Advanced Materials Research, 2011, 343-344, 490-496.	0.3	1

#	ARTICLE	IF	CITATIONS
163	A Disposable and Magnetic Nano-Particles Composite Membrane Modified Amperometric Immunosensor for Determination of Chloramphenicol. , 2009, , .		0
164	Immunoassay by hydride generation-atomic fluorescence spectrometer using arsenic absorbed Fe³⁺/O⁴⁺@Au nanoparticles as label. , 2010, , .		0
165	A QCM Immunosensor for Rapid Determination of Ractopamine in Food Based on Enzyme-AuNPs for Signal Amplification and Magnetic I ² -Cyclodextrins for Extraction. Applied Mechanics and Materials, 0, 738-739, 56-60.	0.2	0