An electrochemical aptasensor based on gold nanoparticles dotted graphene modified glassy carbon electrode for label-free detection of bisphenol A in milk samp

DOI: 10.1016/j.foodchem.2014.04.058
Food Chemistry, 2014, 162, 34-40.

#	Paper	IF	Citations
170	Critical Review: DNA Aptasensors, Are They Ready for Monitoring Organic Pollutants in Natural and Treated Water Sources?.		
169	Electrochemical sensor for endocrine disruptor bisphenol A based on a glassy carbon electrode modified with silica and nanocomposite prepared from reduced graphene oxide and gold nanoparticles. **2014**, 6, 8604-8612		26
168	Responsive photonic crystal for the sensing of environmental pollutants. **2014**, 3-4, 1-6		18
167	Current Advances and Prospects on Implementation of Highly Sensitive Aptamer-based Dual System for Melamine Detection: New Promising Tool of Great Affinity. **2015**, 05,		
166	Portable Nanoparticle-Based Sensors for Food Safety Assessment. *Sensors*, **2015**, 15, 30736-58	3.8	106
165	Single-Stranded DNA Aptamers against Pathogens and Toxins: Identification and Biosensing Applications. **2015**, 2015, 419318		55
164	Fluorescence resonance energy transfer-based aptamer biosensors for bisphenol A using lanthanide-doped KGdF4 nanoparticles. **2015**, 7, 5186-5192		21
163	A novel electrochemical aptasensor based on single-walled carbon nanotubes, gold electrode and complimentary strand of aptamer for ultrasensitive detection of cocaine. *Biosensors and Bioelectronics*, **2015**, 73, 245-250	11.8	62
162	Rapid Determination of Phenolics in Food Packaging by Magnetic Solid-Phase Extraction and High-Performance Liquid Chromatography. *Analytical Letters*, **2015**, 48, 1830-1841	2.2	7
161	Recent advances in nanoparticle based aptasensors for food contaminants. *Biosensors and Bioelectronics*, **2015**, 74, 612-27	11.8	168
160	Aptamer-functionalized nanoporous gold film for high-performance direct electrochemical detection of bisphenol A in human serum. *Analytica Chimica Acta*, **2015**, 883, 81-9	6.6	70
159	Recent advances in electrochemical biosensing schemes using graphene and graphene-based nanocomposites. **2015**, 84, 519-550		167
158	Graphene-based nanoprobes for molecular diagnostics. **2015**, 140, 6439-51		7
157	Simultaneous electrochemical detection of catechol and hydroquinone based on gold nanoparticles@carbon nanocages modified electrode. **2015**, 140, 7939-47		27
156	Application of graphene in elctrochemical sensing. **2015**, 20, 383-405		40
155	Facile fabrication of gold nanoparticle on zein ultrafine fibers and their application for catechol biosensor. **2015**, 328, 444-452		45
154	Synergetic signal amplification based on electrochemical reduced graphene oxide-ferrocene derivative hybrid and gold nanoparticles as an ultra-sensitive detection platform for bisphenol A. *Analytica Chimica Acta*, **2015**, 853, 249-257	6.6	63

153	Aptamer-based technology for food analysis. **2015**, 175, 603-24		29
152	Selection and Biosensor Application of Aptamers for Small Molecules. *Frontiers in Chemistry*, **2016**, 4, 25	5	130
151	Comparison of Electrochemical Immunosensors and Aptasensors for Detection of Small Organic Molecules in Environment, Food Safety, Clinical and Public Security. **2016**, 6,		33
150	Graphene-Gold Nanoparticles Hybrid-Synthesis, Functionalization, and Application in a Electrochemical and Surface-Enhanced Raman Scattering Biosensor. **2016**, 9,		137
149	Sensitive Adsorptive Voltammetric Method for Determination of Bisphenol A by Gold Nanoparticle/Polyvinylpyrrolidone-Modified Pencil Graphite Electrode. *Sensors*, **2016**, 16,	3.8	23
148	ZrO2 supported Nano-ZSM-5 nanocomposite material for the nanomolar electrochemical detection of metol and bisphenol A. **2016**, 6, 65736-65746		14
147	A novel M-shape electrochemical aptasensor for ultrasensitive detection of tetracyclines. *Biosensors and Bioelectronics*, **2016**, 85, 509-514	11.8	93
146	An electrochemical sensor based on molecularly imprinted polypyrrole/graphene quantum dots composite for detection of bisphenol A in water samples. *Sensors and Actuators B: Chemical*, **2016**, 233, 599-606	8.5	146
145	Emerging Nanomaterials for Analytical Detection. **2016**, 74, 195-246		9
144	A novel and label-free immunosensor for bisphenol A using rutin as the redox probe. *Talanta*, **2016**, 160, 241-246	6.2	26
143	Femtomolar sensitivity of bisphenol A photoelectrochemical aptasensor induced by visible light-driven TiO nanoparticle-decorated nitrogen-doped graphene. **2016**, 4, 6249-6257		20
142	A dual-signaling strategy for ultrasensitive detection of bisphenol A by aptamer-based electrochemical biosensor. *Journal of Electroanalytical Chemistry*, **2016**, 781, 265-271	4.1	18
141	Conformational Changes of Enzymes and Aptamers Immobilized on Electrodes. **2016**, 27, 2581-2591		22
140	Highly Sensitive Bisphenol-A Electrochemical Aptasensor Based on Poly(Pyrrole-Nitrilotriacetic Acid)-Aptamer Film. **2016**, 88, 7268-73		33
139	An Electrochemical Sensor Based on Nitrogen-doped Carbon Nanofiber for Bisphenol A Determination. *Electroanalysis*, **2016**, 28, 439-444	3	24
138	A novel electrochemical aptasensor for bisphenol A assay based on triple-signaling strategy. *Biosensors and Bioelectronics*, **2016**, 79, 22-8	11.8	62
137	Electrochemical aptasensors for the assessment of food quality and safety. *TrAC - Trends in Analytical Chemistry*, **2016**, 79, 60-70	14.6	76
136	Colorimetric detection of bisphenol A based on unmodified aptamer and cationic polymer aggregated gold nanoparticles. **2016**, 499, 51-56		49

135	GC electrode modified with carbon nanotubes and NiO for the simultaneous determination of bisphenol A, hydroquinone and catechol. *Electrochimica Acta*, **2016**, 196, 48-55	6.7	75
134	A novel electrochemical aptasensor based on Y-shape structure of dual-aptamer-complementary strand conjugate for ultrasensitive detection of myoglobin. *Biosensors and Bioelectronics*, **2016**, 80, 532-537	11.8	51
133	Sensitive detection of bisphenol A based on a ratiometric electrochemical aptasensor. **2016**, 94, 509-514		9
132	A novel electrochemical aptasensor based on H-shape structure of aptamer-complimentary strands conjugate for ultrasensitive detection of cocaine. *Sensors and Actuators B: Chemical*, **2016**, 224, 351-355	8.5	29
131	Aptamer-based fluorescent detection of bisphenol A using nonconjugated gold nanoparticles and CdTe quantum dots. *Sensors and Actuators B: Chemical*, **2016**, 222, 815-822	8.5	60
130	A novel electrochemical aptasensor based on arch-shape structure of aptamer-complimentary strand conjugate and exonuclease I for sensitive detection of streptomycin. *Biosensors and Bioelectronics*, **2016**, 75, 123-8	11.8	119
129	Diamond-based electrochemical aptasensor realizing a femtomolar detection limit of bisphenol A. *Biosensors and Bioelectronics*, **2017**, 92, 21-25	11.8	55
128	A novel electrochemical sensor based on gold nanoparticles and molecularly imprinted polymer with binary functional monomers for sensitive detection of bisphenol A. *Journal of Electroanalytical Chemistry*, **2017**, 786, 102-111	4.1	41
127	Aptamer-based environmental biosensors for small molecule contaminants. **2017**, 45, 15-23		128
126	Amperometric aptasensor for ochratoxin A based on the use of a gold electrode modified with aptamer, complementary DNA, SWCNTs and the redox marker Methylene Blue. *Mikrochimica Acta*, **2017**, 184, 1151-1159	5.8	58
125	Electrochemical aptamer based assay for the neonicotinoid insecticide acetamiprid based on the use of an unmodified gold electrode. *Mikrochimica Acta*, **2017**, 184, 499-505	5.8	32
124	Highly Sensitive Detection of Bisphenol A by NanoAptamer Assay with Truncated Aptamer. **2017**, 9, 14889-14898		38
123	Electrocatalytic Oxidation of Bisphenol A at Oxidized Multi-walled Carbon Nanotube Modified Carbon Paste Electrode. **2017**, 7, 52-64		8
122	Magnetic separate "turn-on" fluorescent biosensor for Bisphenol A based on magnetic oxidation graphene. *Talanta*, **2017**, 168, 196-202	6.2	24
121	An electrochemical bisphenol A sensor based on one step electrochemical reduction of cuprous oxide wrapped graphene oxide nanoparticles modified electrode. *Talanta*, **2017**, 169, 37-43	6.2	72
120	Optical and Electrochemical Aptasensors for Sensitive Detection of Streptomycin in Blood Serum and Milk. **2017**, 1572, 403-420		8
119	High-Performance Ratiometric Electrochemical Method Based on the Combination of Signal Probe and Inner Reference Probe in One Hairpin-Structured DNA. **2017**, 89, 966-973		87
118	A nanostructured electrochemical aptasensor for highly sensitive detection of chlorpyrifos. *Sensors and Actuators B: Chemical*, **2017**, 243, 1164-1170	8.5	54

117	A sensitive aptasensor based on molybdenum carbide nanotubes and label-free aptamer for detection of bisphenol A. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 1797-1803	4.4	32
116	Graphene/gold Nanoparticles for Electrochemical Sensing. **2017**, 139-172		2
115	Recent advances in nanomaterials for water protection and monitoring. **2017**, 46, 6946-7020		332
114	An electrochemical sensor for the determination of bisphenol A using glassy carbon electrode modified with reduced graphene oxide-silver/poly-l-lysine nanocomposites. *Journal of Electroanalytical Chemistry*, **2017**, 805, 39-46	4.1	43
113	Label-free peptide aptamer based impedimetric biosensor for highly sensitive detection of TNT with a ternary assembly layer. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 6371-6377	4.4	8
112	Electrochemical aptasensors for contaminants detection in food and environment: Recent advances. **2017**, 118, 47-61		99
111	Electrochemical sensing and bio-sensing of bisphenol A and detection of its damage to DNA: A comprehensive review. **2017**, 15, 17-33		20
110	A hydrogen peroxide sensor based on TNM functionalized reduced graphene oxide grafted with highly monodisperse Pd nanoparticles. *Analytica Chimica Acta*, **2017**, 989, 88-94	6.6	76
109	Ratiometric electrochemical aptasensor based on ferrocene and carbon nanofibers for highly specific detection of tetracycline residues. **2017**, 7, 14729		20
108	Ensuring food safety using aptamer based assays: Electroanalytical approach. *TrAC - Trends in Analytical Chemistry*, **2017**, 94, 77-94	14.6	43
107	Electrochemical bisphenol A sensor based on exfoliated Ni2Al-layered double hydroxide nanosheets modified electrode. *Sensors and Actuators B: Chemical*, **2017**, 238, 962-971	8.5	64
106	An original ferroferric oxide and gold nanoparticles-modified glassy carbon electrode for the determination of bisphenol A. *Sensors and Actuators B: Chemical*, **2017**, 240, 487-496	8.5	73
105	A highly sensitive and specific capacitive aptasensor for rapid and label-free trace analysis of Bisphenol A (BPA) in canned foods. *Biosensors and Bioelectronics*, **2017**, 89, 1059-1067	11.8	57
104	Modified Electrodes for Determining Trace Metal Ions. **2017**,		5
103	Microchip electrophoresis array-based aptasensor for multiplex antibiotic detection using functionalized magnetic beads and polymerase chain reaction amplification. *Sensors and Actuators B: Chemical*, **2018**, 263, 568-574	8.5	26
102	Molecularly imprinted electrochemical aptasensor for the attomolar detection of bisphenol A. *Mikrochimica Acta*, **2018**, 185, 265	5.8	33
101	A novel and high sensitive MWCNTs-nickel carbide/hollow fiber-pencil graphite modified electrode for in situ ultra-trace analysis of bisphenol A. *Journal of Electroanalytical Chemistry*, **2018**, 817, 9-17	4.1	15
100	Electrochemical and optical aptamer-based sensors for detection of tetracyclines. **2018**, 73, 45-57		66

99	Recent advancements in lateral flow immunoassays: A journey for toxin detection in food. **2018**, 58, 1715-1734		48
98	Advances in sensing and biosensing of bisphenols: A review. *Analytica Chimica Acta*, **2018**, 998, 1-27	6.6	43
97	Advantages of Carbon Nanomaterials in Electrochemical Aptasensors for Food Analysis. *Electroanalysis*, **2018**, 30, 2-19	3	32
96	SERS strategy based on the modified Au nanoparticles for highly sensitive detection of bisphenol A residues in milk. *Talanta*, **2018**, 179, 37-42	6.2	34
95	A highly sensitive impedimetric aptasensor for the selective detection of acetamiprid and atrazine based on microwires formed by platinum nanoparticles. *Biosensors and Bioelectronics*, **2018**, 101, 268-274	11.8	78
94	A novel molecularly imprinted electrochemical sensor based on graphene quantum dots coated on hollow nickel nanospheres with high sensitivity and selectivity for the rapid determination of bisphenol S. *Biosensors and Bioelectronics*, **2018**, 100, 341-347	11.8	72
93	High-performance and versatile electrochemical aptasensor based on self-supported nanoporous gold microelectrode and enzyme-induced signal amplification. *Biosensors and Bioelectronics*, **2018**, 102, 41-48	11.8	62
92	Graphene-Gold Nanoparticle-modified Electrochemical Sensor for Detection of Kanamycin Based on Target-induced Aptamer Displacement. **2018**, 34, 952-958		4
91	Determination of Bisphenol A in Beverages by an Electrochemical Sensor Based on Rh2O3/Reduced Graphene Oxide Composites. *Applied Sciences (Switzerland)*, **2018**, 8, 2535	2.6	9
90	A novel pyrene-switching aptasensor for the detection of bisphenol A. **2018**, 10, 4750-4755		2
89	Immobilization of Aptamers on Substrates. **2018**, 85-126		2
88	A novel bisphenol A electrochemical sensor based on a molecularly imprinted polymer/carbon nanotubes-Au nanoparticles/boron-doped ordered mesoporous carbon composite. **2018**, 10, 4543-4548		8
87	Multilayer sensing platform: gold nanoparticles/prussian blue decorated graphite paper for NADH and HO detection. **2018**, 143, 5278-5284		11
86	Critical Review: DNA Aptasensors, Are They Ready for Monitoring Organic Pollutants in Natural and Treated Water Sources?. **2018**, 52, 8989-9007		30
85	Label-free Electrochemical Bisphenol A Aptasensor Based on Designing and Fabrication of a Magnetic Gold Nanocomposite. *Electroanalysis*, **2018**, 30, 2160-2166	3	62
84	Voltammetric aptasensor for bisphenol A based on the use of a MWCNT/FeO@gold nanocomposite. *Mikrochimica Acta*, **2018**, 185, 320	5.8	80
83	Metal Nanomaterial-Assisted Aptasensors for Emerging Pollutants Detection. **2018**, 193-231		4
82	Graphene/Graphene Oxide and Carbon Nanotube Based Sensors for the Determination and Removal of Bisphenols. **2019**, 329-372		1

81	A New Generation Material Graphene: Applications in Water Technology. **2019**,		15
80	Introduction of graphene-based nanotechnologies. **2019**, 3-21		2
79	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. *Journal of Biosciences*, **2019**, 44, 1	2.3	8
78	Ag and Au nanoparticles/reduced graphene oxide composite materials: Synthesis and application in diagnostics and therapeutics. **2019**, 271, 101991		57
77	New Micro- and Nanotechnologies for Electrochemical Biosensor Development. **2019**, 279-313		1
76	An Ultrasensitive and Highly Selective Electrochemical Aptasensor for Environmental Endocrine Disrupter Bisphenol A Determination Using Gold Nanoparticles/Nitrogen, Sulfur, and Phosphorus Co-Doped Carbon Dots as Signal Enhancer and Its Electrochemical Kinetic Research. *Journal of the Electrochemical Society*, **2019**, 166, B1161-B1170	3.9	11
75	Nanoparticle-Based Aptasensors for Food Contaminant Detection. **2019**, 123-145		10
74	Nanomaterials for Use in Apta-Assays. **2019**, 243-271		1
73	Highly sensitive and selective amperometric determination of BPA on carbon black/f-MWCNT composite modified GCE. **2019**, 786, 698-706		26
72	Ultrasonic energy-assisted in-situ synthesis of Ru/PANI/g-CN nanocomposite: Application for picomolar-level electrochemical detection of endocrine disruptor (Bisphenol-A) in humans and animals. **2019**, 58, 104629		27
71	Highly-sensitive and selective determination of bisphenol A in milk samples based on self-assembled graphene nanoplatelets-multiwalled carbon nanotube-chitosan nanostructure. **2019**, 103, 109848		23
70	Analysis of Selected Endocrine Disrupters Fraction Including Bisphenols Extracted from Daily Products, Food Packaging and Treated Wastewater Using Optimized Solid-Phase Extraction and Temperature-Dependent Inclusion Chromatography. *Molecules*, **2019**, 24,	4.8	6
69	Simple and rapid detection of bisphenol A using a gold nanoparticle-based colorimetric aptasensor. *Food Chemistry*, **2019**, 287, 205-213	8.5	50
68	A new electrochemical aptasensor based on MWCNT-SiO2@Au core-shell nanocomposite for ultrasensitive detection of bisphenol A. *Microchemical Journal*, **2019**, 146, 1054-1063	4.8	19
67	Single step sol-gel synthesized Mn2O3-TiO2 decorated graphene for the rapid and selective ultra sensitive electrochemical sensing of dopamine. *Electrochimica Acta*, **2019**, 302, 291-300	6.7	19
66	Nanoparticles as Biosensors for Food Quality and Safety Assessment. **2019**, 147-202		11
65	Review of Electrochemical DNA Biosensors for Detecting Food Borne Pathogens. *Sensors*, **2019**, 19,	3.8	33
64	Partially Reduced Graphene Oxide Sheet-Covered Polyaniline Nanotubes for the Simultaneous Determination of Bisphenol A and Phenol. *Journal of the Electrochemical Society*, **2019**, 166, B1661-B1668	3.9	8

63	A direct "touch" approach for gold nanoflowers decoration on graphene/ionic liquid composite modified electrode with good properties for sensing bisphenol A. *Talanta*, **2019**, 191, 400-408	6.2	15
62	Electroanalysis of neurotransmitters via 3D gold nanoparticles and a graphene composite coupled with a microdialysis device. *Journal of Electroanalytical Chemistry*, **2019**, 834, 249-257	4.1	9
61	A disposable electrochemical aptasensor using single-stranded DNA□methylene blue complex as signal-amplification platform for sensitive sensing of bisphenol A. *Sensors and Actuators B: Chemical* , **2019**, 284, 73-80	8.5	31
60	A glassy carbon electrode modified with TiO(200)-rGO hybrid nanosheets for aptamer based impedimetric determination of the prostate specific antigen. *Mikrochimica Acta*, **2018**, 186, 33	5.8	17
59	A highly sensitive electrochemical detection of human chorionic gonadotropin on a carbon nano-onions/gold nanoparticles/polyethylene glycol nanocomposite modified glassy carbon electrode. *Journal of Electroanalytical Chemistry*, **2019**, 833, 462-470	4.1	15
58	Highly sensitive detection of bisphenol A in real water samples based on in-situ assembled graphene nanoplatelets and gold nanoparticles composite. *Microchemical Journal*, **2019**, 145, 693-702	4.8	47
57	Signal-on electrochemiluminescence aptasensor for bi s p h e n o l A based on hybridization chain reaction and electrically heated electrode. *Biosensors and Bioelectronics*, **2019**, 129, 36-41	11.8	29
56	Aptamer-Based Detection Methodology Studies in Food Safety. *Food Analytical Methods*, **2019**, 12, 966-990	3.4	25
55	An ultrasensitive sensor based on quantitatively modified upconversion particles for trace bisphenol A detection. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 171-179	4.4	10
54	Electrochemical aptamer-based sensors for food and water analysis: A□review. *Analytica Chimica Acta*, **2019**, 1051, 1-23	6.6	124
53	Selective electrochemical determination of bisphenol A via a Fe3O4 NPs derivative-modified graphite screen-printed electrode. *International Journal of Environmental Analytical Chemistry*, **2020** , 100, 1209-1225	1.8	6
52	The Recent Electrochemical Studies on Bisphenol A Detection in Beverages. **2020**, 309-333		4
51	Exposure of BPA and its alternatives like BPB, BPF, and BPS impair subsequent reproductive potentials in adult female Sprague Dawley rats. *Toxicology Mechanisms and Methods*, **2020**, 30, 60-72	3.6	20
50	Catechol-Attached Polypeptide with Functional Groups as Electrochemical Sensing Platform for Synthetic Cannabinoids. *ACS Applied Polymer Materials*, **2020**, 2, 172-177	4.3	2
49	An electrochemical sandwich-type aptasensor for determination of lipocalin-2 based on graphene oxide/polymer composite and gold nanoparticles. *Talanta*, **2020**, 210, 120666	6.2	24
48	Analytical performance of functional nanostructured biointerfaces for sensing phenolic compounds. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111344	6	2
47	Nanobiosensors for Detection of Phenolic Compounds. *Nanotechnology in the Life Sciences*, **2020**, 275-307	1.1	3
46	Advances in aptasensor technology. *Advances in Clinical Chemistry*, **2020**, 99, 237-279	5.8	10

45	Fabrication of highly sensitive Bisphenol A electrochemical sensor amplified with chemically modified multiwall carbon nanotubes and Ecyclodextrin. *Sensors and Actuators B: Chemical*, **2020**, 320, 128319	8.5	31
44	Recent Advances in Electrochemical Sensors and Biosensors for Detecting Bisphenol A. *Sensors*, **2020**, 20,	3.8	28
43	Nanocomposites consisting of nanoporous platinum-silicon and graphene for electrochemical determination of bisphenol A. *Mikrochimica Acta*, **2020**, 187, 241	5.8	8
42	Aptasensors as promising new tools in bisphenol A detection - An invisible pollution in food and environment. *Microchemical Journal*, **2020**, 155, 104722	4.8	18
41	Graphene/aptamer probes for small molecule detection: from in vitro test to in situ imaging. *Mikrochimica Acta*, **2020**, 187, 179	5.8	15
40	Recent advances in biosensors for the detection of estrogens in the environment and food. *TrAC - Trends in Analytical Chemistry*, **2020**, 127, 115882	14.6	22
39	Graphene-family materials in electrochemical aptasensors. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 673-699	4.4	9
38	Semiconductor Nanocomposites-Based Photoelectrochemical Aptamer Sensors for Pharmaceuticals Detection. **2021**, 685-708		
37	Latest Advances in Determination of Bisphenols with Nanomaterials, Molecularly Imprinted Polymers and Aptamer Based Electrochemical Sensors. *Critical Reviews in Analytical Chemistry*, **2021** , 1-21	5.2	2
36	Impact of Nanosensors on Food Safety. **2021**, 701-711		
35	Electrochemical aptasensor of bisphenol A constructed based on 3D mesoporous structural SBA-15-Met with a thin layer of gold nanoparticles. *Microchemical Journal*, **2021**, 162, 105825	4.8	33
34	Recent Advances in Aptamer-Based Biosensors for Global Health Applications. *Annual Review of Biomedical Engineering*, **2021**, 23, 433-459	12	12
33	Magnetic Relaxation Switch Biosensors Based on Self-Assembly of Polystyrene Microspheres and Magnetic Nanoparticles for Detection of Bisphenol A. *ACS Applied Nano Materials*, **2021**, 4, 5963-5971	5.6	4
32	Two-Dimensional Nanostructures for Electrochemical Biosensor. *Sensors*, **2021**, 21,	3.8	5
31	Nanomaterials based electrochemical nucleic acid biosensors for environmental monitoring: A review. *Applied Surface Science Advances*, **2021**, 4, 100064	2.6	24
30	A Review of Nanocomposite-Modified Electrochemical Sensors for Water Quality Monitoring. *Sensors*, **2021**, 21,	3.8	18
29	Potential applications of aptamers in veterinary science. *Veterinary Research*, **2021**, 52, 79	3.8	0
28	An Electrochemical Aptamer Biosensor for Bisphenol A on a Carbon Nanofibre-silver Nanoparticle Immobilisation Platform. *Electroanalysis*, **2021**, 33, 2053-2061	3	3

27	Fabrication of a sensitive electrochemical sensor platform using reduced graphene oxide-molybdenum trioxide nanocomposite for BPA detection: An endocrine disruptor. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105504	6.8	10
26	A novel fluorescence sensor based on Zn porphyrin MOFs for the detection of bisphenol A with highly selectivity and sensitivity. *Food Control*, **2022**, 132, 108551	6.2	6
25	Analytical Detection of Pesticides, Pollutants, and Pharmaceutical Waste in the Environment. *Environmental Chemistry for A Sustainable World*, **2020**, 87-129	0.8	3
24	Aptamer based electrochemical sensors for emerging environmental pollutants. *Frontiers in Chemistry*, **2014**, 2, 41	5	105
23	Sandwich-type electrochemical aptasensor based on hollow mesoporous carbon spheres loaded with porous dendritic Pd@Pt nanoparticles as signal amplifier for ultrasensitive detection of cardiac troponin I. *Analytica Chimica Acta*, **2021**, 1188, 339202	6.6	1
22	A poly (propylene imine) dendrimer Carbon nanofiber based aptasensor for bisphenol A in water. *Journal of Electroanalytical Chemistry*, **2021**, 901, 115783	4.1	2
21	Determination of Bisphenol A in Polycarbonate Plastic Products Using Single-Walled Carbon Nanotubes Modified Glassy Carbon Electrode. *Advances in Analytical Chemistry*, **2015**, 05, 49-56	0	
20	Semiconductor Nanocomposites-Based Photoelectrochemical Aptamer Sensors for Pharmaceuticals Detection. *Advances in Environmental Engineering and Green Technologies Book Series*, **2020**, 109-132	0.4	
19	Laccase Electrochemical Biosensor Based on Graphene-Gold/Chitosan Nanocomposite Film for Bisphenol A Detection. *Current Analytical Chemistry*, **2020**, 16, 570-579	1.7	0
18	Development of a Selective Electrochemical Biosensor for Bisphenol a Based on Target-Induced Chain Release Involving Methylene Blue Release. *Analytical Letters*, 1-15	2.2	0
17	A highly sensitive electrochemical aptasensor for cocaine detection based on CRISPR-Cas12a and terminal deoxynucleotidyl transferase as signal amplifiers.. *Talanta*, **2022**, 241, 123276	6.2	2
16	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. *Journal of Biosciences*, **2019**, 44,	2.3	3
15	Molybdenum (IV) Sulfide Nanosheet-Based Aptasensor for the Label-Free Determination of Bisphenol A (BPA) by Electrochemical Impedance Spectroscopy (EIS). *Analytical Letters*, 1-9	2.2	1
14	Aptamer-Based Biosensors for the Analytical Determination of Bisphenol A in Foodstuffs. *Applied Sciences (Switzerland)*, **2022**, 12, 3752	2.6	1
13	Ultrasensitive detection and application of estradiol based on nucleic acid aptamer and circulating amplification technology. *Journal of Electroanalytical Chemistry*, **2022**, 913, 116284	4.1	1
12	Ultrasensitive electrochemical detection of bisphenol A using composites of MoS2 nanoflowers, CoS2 nano-polyhedrons and reduced graphene oxide. *Environmental Chemistry Letters*, 1	13.3	0
11	Chitosan/Gold Nanoparticles Nanocomposite Film for Bisphenol A Electrochemical Sensing. *Electrochem*, **2022**, 3, 239-247	2.9	2
10	2D Carbon Nitride-Based Electrochemical Aptasensor for Label-Free and Highly-Sensitive Detection of Okadaic Acid in Shellfish. *Journal of the Electrochemical Society*,	3.9	

9	Nanoparticles in Nondairy Yogurt Formulation Techniques for Amelioration of Lifestyle Disorder Diseases. **2022**, 103-136	
8	High-sensitive ferrocene labeled aptasensor for the detection of Mucin 1 by tuning the sequence constitution of complementary probe. **2022**, 189,	0
7	An Overview of Aptamer-Based Sensor Platforms for the Detection of Bisphenol-A. 1-22	0
6	Gold-Ceria nanocomposite based highly sensitive and selective aptasensing platform for the detection of the Chlorpyrifos in Solanum tuberosum. **2022**, 653, 129819	1
5	Functionalized Carbon-Based Electrochemical Sensors for Food and Alcoholic Beverage Safety. **2022**, 12, 9082	1
4	The Characterization of Binding between Aptamer and Bisphenol A and Developing Electrochemical Aptasensors for Bisphenol A with Rationally Engineered Aptamers. **2022**, 12, 913	1
3	Research Advances in the Analysis of Estrogenic Endocrine Disrupting Compounds in Milk and Dairy Products. **2022**, 11, 3057	1
2	Critical Design Factors for Electrochemical Aptasensors Based on Target-Induced Conformational Changes: The Case of Small-Molecule Targets. **2022**, 12, 816	1
1	A High-Performance Self-Supporting Electrochemical Biosensor to Detect Aflatoxin B1. **2022**, 12, 897	1