

Xiuhua Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181
papers

4,314
citations

36
h-index

52
g-index

191
ext. papers

5,103
ext. citations

7.1
avg, IF

5.86
L-index

#	Paper	IF	Citations
181	Simultaneous determination of hydroquinone and catechol at PASA/MWNTs composite film modified glassy carbon electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 74, 317-21	6	169
180	Enzyme catalytic amplification of miRNA-155 detection with graphene quantum dot-based electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 451-6	11.8	132
179	Novel electrochemical aptamer biosensor based on an enzyme-gold nanoparticle dual label for the ultrasensitive detection of epithelial tumour marker MUC1. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 384-9	11.8	118
178	A high-sensitivity electrochemical aptasensor of carcinoembryonic antigen based on graphene quantum dots-ionic liquid-nafion nanomatrix and DNAzyme-assisted signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 28-33	11.8	99
177	Ultrasensitive Electrochemical Biosensor for HIV Gene Detection Based on Graphene Stabilized Gold Nanoclusters with Exonuclease Amplification. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18872-9	9.5	85
176	Applying strand displacement amplification to quantum dots-based fluorescent lateral flow assay strips for HIV-DNA detection. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 211-217	11.8	81
175	Novel electrochemical aptamer biosensor based on gold nanoparticles signal amplification for the detection of carcinoembryonic antigen. <i>Electrochemistry Communications</i> , 2013 , 37, 15-19	5.1	78
174	Room-temperature fabrication of graphene films on variable substrates and its use as counter electrodes for dye-sensitized solar cells. <i>Solid State Sciences</i> , 2011 , 13, 468-475	3.4	75
173	Hollow copper sulfide nanocubes as multifunctional nanozymes for colorimetric detection of dopamine and electrochemical detection of glucose. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111450	11.8	74
172	A novel amperometric biosensor for superoxide anion based on superoxide dismutase immobilized on gold nanoparticle-chitosan-ionic liquid biocomposite film. <i>Analytica Chimica Acta</i> , 2013 , 758, 66-71	6.6	70
171	Electrochemical sensor for the determination of brucine in human serum based on molecularly imprinted poly-o-phenylenediamine/SWNTs composite film. <i>Sensors and Actuators B: Chemical</i> , 2012 , 163, 84-89	8.5	67
170	Application of nanomaterials in the bioanalytical detection of disease-related genes. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 113-33	11.8	61
169	Surface-enhanced molecularly imprinted electrochemiluminescence sensor based on Ru@SiO for ultrasensitive detection of fumonisin B. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 55-61	11.8	59
168	Increased electrocatalyzed performance through hairpin oligonucleotide aptamer-functionalized gold nanorods labels and graphene-streptavidin nanomatrix: Highly selective and sensitive electrochemical biosensor of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2016 , 83, 142-8	11.8	59
167	In situ growth of copper oxide-graphite carbon nitride nanocomposites with peroxidase-mimicking activity for electrocatalytic and colorimetric detection of hydrogen peroxide. <i>Carbon</i> , 2018 , 129, 29-37	10.4	57
166	An insertion approach electrochemical aptasensor for mucin 1 detection based on exonuclease-assisted target recycling. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 13-17	11.8	55
165	A novel nitromethane biosensor based on biocompatible conductive redox graphene-chitosan/hemoglobin/graphene/room temperature ionic liquid matrix. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 991-5	11.8	55

164	Construction of Highly Efficient Resonance Energy Transfer Platform Inside a Nanosphere for Ultrasensitive Electrochemiluminescence Detection. <i>Analytical Chemistry</i> , 2018 , 90, 5075-5081	7.8	53
163	Highly sensitive amperometric biosensor based on electrochemically-reduced graphene oxide-chitosan/hemoglobin nanocomposite for nitromethane determination. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 894-900	11.8	52
162	Integrated amplified aptasensor with in-situ precise preparation of copper nanoclusters for ultrasensitive electrochemical detection of microRNA 21. <i>Biosensors and Bioelectronics</i> , 2017 , 98, 386-391	11.8	52
161	Molecularly imprinted photoelectrochemical sensor for fumonisin B based on GO-CdS heterojunction. <i>Biosensors and Bioelectronics</i> , 2019 , 127, 57-63	11.8	52
160	Ultrasensitive electrochemical DNA biosensor based on functionalized gold clusters/graphene nanohybrids coupling with exonuclease III-aided cascade target recycling. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 183-189	11.8	49
159	Enhanced electrochemiluminescence of RuSi nanoparticles for ultrasensitive detection of ochratoxin A by energy transfer with CdTe quantum dots. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 561-7	11.8	48
158	Recent progress in biosensors based on organic-inorganic hybrid nanoflowers. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 175-187	11.8	48
157	Electrochemistry of norepinephrine on carbon-coated nickel magnetic nanoparticles modified electrode and analytical applications. <i>Bioelectrochemistry</i> , 2010 , 79, 1-5	5.6	48
156	Ultrasensitive paper based nucleic acid detection realized by three-dimensional DNA-AuNPs network amplification. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 529-535	11.8	45
155	An electrochemical sensor based on single-stranded DNA-poly(sulfosalicylic acid) composite film for simultaneous determination of adenine, guanine, and thymine. <i>Analytical Biochemistry</i> , 2011 , 419, 71-5	3.1	45
154	A highly selective HBT-based Turn-on fluorescent probe for hydrazine detection and its application. <i>Tetrahedron Letters</i> , 2017 , 58, 2596-2601	2	43
153	Simplified aptamer-based colorimetric method using unmodified gold nanoparticles for the detection of carcinoma embryonic antigen. <i>RSC Advances</i> , 2015 , 5, 10994-10999	3.7	43
152	One-step fabrication of poly(o-aminophenol)/multi-walled carbon nanotubes composite film modified electrode and its application for levofloxacin determination in pharmaceuticals. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 202-209	8.5	42
151	Solid-state electrochemiluminescence sensor based on RuSi nanoparticles combined with molecularly imprinted polymer for the determination of ochratoxin A. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 264-269	8.5	41
150	A highly sensitive nitric oxide biosensor based on hemoglobin/chitosan/graphene/hexadecyltrimethylammonium bromide nanomatrix. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 444-450	8.5	40
149	A novel tyrosinase biosensor based on chitosan-carbon-coated nickel nanocomposite film. <i>Bioelectrochemistry</i> , 2012 , 84, 44-8	5.6	39
148	An exonuclease-assisted amplification electrochemical aptasensor for Hg(2+) detection based on hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 318-23	11.8	38
147	Voltammetric determination of levofloxacin using a glassy carbon electrode modified with poly(o-aminophenol) and graphene quantum dots. <i>Mikrochimica Acta</i> , 2017 , 184, 127-135	5.8	36

146	A sensitive electrochemical aptasensor for ATP detection based on exonuclease III-assisted signal amplification strategy. <i>Analytica Chimica Acta</i> , 2015 , 862, 64-9	6.6	36
145	A convenient purification method for silver nanoclusters and its applications in fluorescent pH sensors for bacterial monitoring. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 164-168	11.8	35
144	Electrochemiluminescent aptasensor based on resonance energy transfer system between CdTe quantum dots and cyanine dyes for the sensitive detection of Ochratoxin A. <i>Talanta</i> , 2019 , 199, 178-183	6.2	34
143	Electrochemical properties and the determination of nicotine at a multi-walled carbon nanotubes modified glassy carbon electrode. <i>Mikrochimica Acta</i> , 2010 , 168, 31-36	5.8	34
142	Development of a novel benzothiadiazole-based fluorescent turn-on probe for highly selective detection of glutathione over cysteine/homocysteine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 266, 528-533	8.5	33
141	Voltammetric studies of the interaction of rutin with DNA and its analytical applications on the MWNTs/COOH/Fe ₃ O ₄ modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 615-620	8.5	33
140	Visual multiple recognition of protein biomarkers based on an array of aptamer modified gold nanoparticles in biocomputing to strip biosensor logic operations. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 522-30	11.8	32
139	An electrochemical biosensor for analysis of Fenton-mediated oxidative damage to BSA using poly-o-phenylenediamine as electroactive probe. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 216-20	11.8	32
138	Direct electrochemistry of glucose oxidase and biosensing for glucose based on boron-doped carbon-coated nickel modified electrode. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3801-5	11.8	32
137	Dopamine assay based on an aggregation-induced reversed inner filter effect of gold nanoparticles on the fluorescence of graphene quantum dots. <i>Talanta</i> , 2016 , 158, 292-298	6.2	31
136	Sensitive electrochemical determination of luteolin in peanut hulls using multi-walled carbon nanotubes modified electrode. <i>Food Chemistry</i> , 2011 , 127, 694-8	8.5	31
135	Target-Driven Cascade-Amplified Release of Loads from DNA-Gated Metal-Organic Frameworks for Electrochemical Detection of Cancer Biomarker. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2087-2094	9.5	31
134	A novel amperometric adenosine triphosphate biosensor by immobilizing graphene/dual-labeled aptamers complex onto poly(o-phenylenediamine) modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 695-702	8.5	30
133	An immunosensor for ferritin based on agarose hydrogel. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 2180-3	11.8	30
132	A novel ratiometric fluorescent probe for selective detection of bisulfite in living cells. <i>RSC Advances</i> , 2017 , 7, 2573-2577	3.7	29
131	Electrochemical immunosensor for the prostate specific antigen detection based on carbon nanotube and gold nanoparticle amplification strategy. <i>Mikrochimica Acta</i> , 2015 , 182, 1855-1861	5.8	29
130	The Electrochemical Behavior of p-Aminophenol at a Mercaptopropionic Acid Self-Assembled Gold Electrode. <i>Mikrochimica Acta</i> , 2005 , 149, 37-42	5.8	29
129	Visual detection of thrombin using a strip biosensor through aptamer-cleavage reaction with enzyme catalytic amplification. <i>Analyst, The</i> , 2015 , 140, 7710-7	5	28

128	Water-soluble polyaniline/graphene prepared by in situ polymerization in graphene dispersions and use as counter-electrode materials for dye-sensitized solar cells. <i>Reactive and Functional Polymers</i> , 2014 , 79, 47-53	4.6	27
127	Development of a lateral flow strip biosensor based on copper oxide nanoparticles for rapid and sensitive detection of HPV16 DNA. <i>Sensors and Actuators B: Chemical</i> , 2019 , 285, 326-332	8.5	26
126	An aptamer-based hook-effect-recognizable three-line lateral flow biosensor for rapid detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2019 , 133, 177-182	11.8	25
125	Silver nanoclusters-assisted triple-amplified biosensor for ultrasensitive methyltransferase activity detection based on AuNPs/ERGO hybrids and hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2018 , 118, 174-180	11.8	25
124	Electrochemical biosensors for the detection of oxidative DNA damage induced by Fenton reagents in ionic liquid. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 274-278	8.5	25
123	A novel benzopyran-based colorimetric and near-infrared fluorescent sensor for Hg ²⁺ and its imaging in living cell and zebrafish. <i>Dyes and Pigments</i> , 2020 , 172, 107658	4.6	25
122	Organic-inorganic nanoparticles molecularly imprinted photoelectrochemical sensor for Biotin based on p-type polymer dots and n-CdS heterojunction. <i>Analytica Chimica Acta</i> , 2019 , 1059, 94-102	6.6	24
121	Construction of a flexible electrochemiluminescence platform for sweat detection. <i>Chemical Science</i> , 2019 , 10, 6295-6303	9.4	24
120	PtxNi/C nanostructured composites fabricated by chemical reduction and their application in non-enzymatic glucose sensors. <i>Sensors and Actuators B: Chemical</i> , 2014 , 203, 588-595	8.5	24
119	Facile electrochemical biosensor based on a new bifunctional probe for label-free detection of CGG trinucleotide repeat. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 282-9	11.8	24
118	Detection of rutin at DNA modified carbon paste electrode based on a mixture of ionic liquid and paraffin oil as a binder. <i>Mikrochimica Acta</i> , 2010 , 170, 27-32	5.8	24
117	Voltametric Behavior of Noradrenaline at 2-Mercaptoethanol Self-Assembled Monolayer Modified Gold Electrode and its Analytical Application. <i>Sensors</i> , 2003 , 3, 61-68	3.8	24
116	Yttrium Oxide Nanoparticle Synthesis: An Overview of Methods of Preparation and Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2172	2.6	24
115	Enrichment-Stowage-Cycle Strategy for Ultrasensitive Electrochemiluminescent Detection of HIV-DNA with Wide Dynamic Range. <i>Analytical Chemistry</i> , 2019 , 91, 12238-12245	7.8	23
114	A universal lateral flow biosensor for proteins and DNAs based on the conformational change of hairpin oligonucleotide and its use for logic gate operations. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 598-604	11.8	23
113	Electrochemical properties of catechin at a single-walled carbon nanotubes-cetyltrimethylammonium bromide modified electrode. <i>Bioelectrochemistry</i> , 2009 , 75, 158-62	5.6	23
112	Electrochemical studies of bovine serum albumin immobilization onto the poly-o-phenylenediamine and carbon-coated nickel composite film and its interaction with papaverine. <i>Sensors and Actuators B: Chemical</i> , 2011 , 152, 88-93	8.5	23
111	Surface protein imprinted magnetic nanoparticles for specific recognition of bovine hemoglobin. <i>New Journal of Chemistry</i> , 2016 , 40, 564-570	3.6	22

110	A highly sensitive non-enzymatic glucose sensor based on Pt _x Co _{1-x} /C nanostructured composites. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 51-58	8.5	21
109	A novel ratiometric fluorescence nanoprobe based on aggregation-induced emission of silver nanoclusters for the label-free detection of biothiols. <i>Talanta</i> , 2018 , 188, 623-629	6.2	21
108	A novel label-free strategy for pathogenic DNA detection based on metal ion binding-induced fluorescence quenching of graphitic carbon nitride nanosheets. <i>Analyst, The</i> , 2017 , 142, 2617-2623	5	20
107	Fluorescent-Magnetic-Catalytic Nanospheres for Dual-Modality Detection of H9N2 Avian Influenza Virus. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41148-41156	9.5	20
106	Construction of a novel far-red fluorescence light-up probe for visualizing intracellular peroxynitrite. <i>Talanta</i> , 2019 , 197, 431-435	6.2	20
105	A novel, molecularly imprinted polymer sensor made using an oligomeric methyl silsesquioxane-TiO ₂ composite sol on a glassy carbon electrode for the detection of procainamide hydrochloride. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 94-101	11.8	19
104	Electrochemiluminescent aptasensor based on β -cyclodextrin/graphitic carbon nitride composite for highly selective and ultrasensitive assay of platelet derived growth factor BB. <i>Carbon</i> , 2018 , 130, 416-423	10.4	19
103	A High Sensitivity Electrochemical Sensor Based on Fe ³⁺ -Ion Molecularly Imprinted Film for the Detection of T-2 Toxin. <i>Electroanalysis</i> , 2014 , 26, 2739-2746	3	19
102	An electrochemical biosensor for the rapid detection of DNA damage induced by xanthine oxidase-catalyzed Fenton reaction. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 85-91	8.5	19
101	Electrochemical behaviors of nicotine and its interaction with DNA. <i>Electrochemistry Communications</i> , 2009 , 11, 2129-2132	5.1	19
100	A novel sensor made of Antimony Doped Tin Oxide-silica composite sol on a glassy carbon electrode modified by single-walled carbon nanotubes for detection of norepinephrine. <i>Materials Science and Engineering C</i> , 2017 , 80, 180-186	8.3	18
99	Enhanced electrochemiluminescence of gold nanoclusters via silver doping and their application for ultrasensitive detection of dopamine. <i>Analyst, The</i> , 2019 , 144, 2643-2648	5	18
98	An electrochemical impedance sensor based on a small molecule modified Au electrode for the recognition of a trinucleotide repeat. <i>Analyst, The</i> , 2014 , 139, 5482-7	5	18
97	An exonuclease-assisted amplification electrochemical aptasensor of thrombin coupling "signal on/off" strategy. <i>Analytica Chimica Acta</i> , 2015 , 860, 70-6	6.6	18
96	An electrochemical sensor for determination of calcium dobesilate based on PoPD/MWNTs composite film modified glassy carbon electrode. <i>Journal of Proteomics</i> , 2008 , 70, 1203-9		18
95	A synergistic approach to enhance the photoelectrochemical performance of carbon dots for molecular imprinting sensors. <i>Nanoscale</i> , 2019 , 11, 7885-7892	7.7	17
94	An Electrochemical Sensor for Reducing Sugars Based on a Glassy Carbon Electrode Modified with Electropolymerized Molecularly Imprinted Poly-o-phenylenediamine Film. <i>Electroanalysis</i> , 2014 , 26, 1612 ² -1622 ¹⁷		
93	Ultrasensitive electrochemical biosensor of interferon-gamma based on gold nanoclusters-graphene@zeolitic imidazolate framework-8 and layered-branched hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126606	8.5	16

92	A double-enhanced strip biosensor for the rapid and ultrasensitive detection of protein biomarkers. <i>Chemical Communications</i> , 2015 , 51, 8273-5	5.8	16
91	The turn-off fluorescent sensors based on thioether-linked bisbenzamide for Fe ³⁺ and Hg ²⁺ . <i>Tetrahedron</i> , 2018 , 74, 1668-1680	2.4	16
90	Label-free and dual-amplified electrochemical detection of Hg ²⁺ based on self-assembled DNA nanostructures and target-triggered exonuclease cleavage activity. <i>New Journal of Chemistry</i> , 2016 , 40, 6686-6691	3.6	16
89	Nicking endonuclease-assisted recycling of target-aptamer complex for sensitive electrochemical detection of adenosine triphosphate. <i>Analyst, The</i> , 2016 , 141, 1506-11	5	16
88	A label-free electrochemical biosensor for methyltransferase activity detection and inhibitor screening based on graphene quantum dot and enzyme-catalyzed reaction. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 799, 327-332	4.1	16
87	An exonuclease-assisted triple-amplified electrochemical aptasensor for mucin 1 detection based on strand displacement reaction and enzyme catalytic strategy. <i>Analytica Chimica Acta</i> , 2019 , 1086, 75-81	6.6	15
86	A convenient purification method for metal nanoclusters based on pH-induced aggregation and cyclic regeneration and its applications in fluorescent pH sensors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 988-992	8.5	15
85	Electrochemical sensor for procaine based on a glassy carbon electrode modified with poly-amidosulfonic acid and multi-walled carbon nanotubes. <i>Mikrochimica Acta</i> , 2010 , 169, 153-159	5.8	15
84	Electrochemiluminescent sensor based on Ru(bpy) ₃ ²⁺ -doped silica nanoprobe by incorporating a new co-reactant NBD-amine for selective detection of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 451-455	8.5	15
83	Heterostructured CuO-g-C ₃ N ₄ nanocomposites as a highly efficient photocathode for photoelectrochemical aflatoxin B ₁ sensing. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129146	8.5	15
82	An energy and charge transfer synergetic donor-acceptor heterostructure 2D-COF in photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8518-8526	13	14
81	Visual discrimination of phenolic group agonists and the ultrasensitive identification of their oxidation products by use of a tyrosinase-based catalytic reaction. <i>Analytical Chemistry</i> , 2014 , 86, 4729-38	7.8	13
80	A Novel Electrochemical Sensor for β -Agonists with High Sensitivity and Selectivity Based on Surface Molecularly Imprinted Sol-gel Doped with Antimony-Doped Tin Oxide. <i>Electroanalysis</i> , 2014 , 26, 1004-1012	3	13
79	Electrochemical study of bovine serum albumin damage induced by Fenton reaction using tris (2,2'-bipyridyl) cobalt (III) perchlorate as the electroactive indicator. <i>Electrochimica Acta</i> , 2012 , 67, 147-157	6.7	13
78	Pt/graphene nanocomposites with low Pt-loadings: Synthesis through one- and two-step chemical reduction methods and their use as promising counter electrodes for DSSCs. <i>Composites Science and Technology</i> , 2015 , 113, 46-53	8.6	12
77	A HO-free electrochemical peptide biosensor based on Au@Pt bimetallic nanorods for highly sensitive sensing of matrix metalloproteinase 2. <i>Chemical Communications</i> , 2020 , 56, 6039-6042	5.8	12
76	Improvement in fluidity loss of magnesia phosphate cement by incorporating polycarboxylate superplasticizer. <i>Construction and Building Materials</i> , 2018 , 165, 887-897	6.7	12
75	Fluorescent-off/on sensing mechanism of antibiotic-capped gold nanoclusters to phosphate-containing metabolites and its antibacterial characteristics. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2170-2178	8.5	12

74	Electrochemical detection of in situ DNA damage induced by enzyme-catalyzed Fenton reaction. Part I: in phosphate buffer solution. <i>Mikrochimica Acta</i> , 2012 , 178, 37-43	5.8	12
73	The preparation of carbon dots/ionic liquids-based electrolytes and their applications in quasi-solid-state dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013 , 88, 100-106	6.7	12
72	Molecular Engineering of Efficient Singlet Oxygen Generators with Near-Infrared AIE Features for Mitochondrial Targeted Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2104026	15.6	12
71	Cu-modified hollow carbon nanospheres: an unusual nanozyme with enhanced peroxidase-like activity. <i>Mikrochimica Acta</i> , 2021 , 188, 8	5.8	12
70	An HBT-Based Near-Infrared Fluorescent Probe for Colorimetric and Ratiometric Detection of Bisulfite and its Application in Living Cells. <i>Journal of Fluorescence</i> , 2017 , 27, 1405-1411	2.4	11
69	A simple and sensitive fluorometric dopamine assay based on silica-coated CdTe quantum dots. <i>Mikrochimica Acta</i> , 2017 , 184, 3189-3196	5.8	11
68	HBT-based turn-on fluorescent probe for discrimination of homocysteine from glutathione/cysteine and its bioimaging applications. <i>RSC Advances</i> , 2017 , 7, 16387-16391	3.7	11
67	Fluorometric determination of copper(II) by using 3-aminophenylboronic acid-functionalized CdTe quantum dot probes. <i>Mikrochimica Acta</i> , 2019 , 186, 392	5.8	11
66	Construction of an ultrasensitive electrochemiluminescent aptasensor for ractopamine detection. <i>Analyst, The</i> , 2019 , 144, 2550-2555	5	11
65	Nonenzymatic sensing of glucose at neutral pH values and low working potential using a glassy carbon electrode modified with platinum-iron alloy nanoparticles on a carbon support. <i>Mikrochimica Acta</i> , 2015 , 182, 2395-2401	5.8	11
64	Iron doped graphitic carbon nitride with peroxidase like activity for colorimetric detection of sarcosine and hydrogen peroxide. <i>Mikrochimica Acta</i> , 2020 , 187, 383	5.8	11
63	An electrochemical impedance sensor for simple and specific recognition of GC _n mismatches in DNA. <i>Analytical Methods</i> , 2016 , 8, 7413-7419	3.2	11
62	Au-Luminol-decorated porous carbon nanospheres for the electrochemiluminescence biosensing of MUC1. <i>Nanoscale</i> , 2019 , 11, 16860-16867	7.7	11
61	A Novel Electrochemical Biosensor Based on a Double-Signal Technique for d(CAG) Trinucleotide Repeats. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44231-44240	9.5	11
60	Studies on the electrochemistry of rutin and its interaction with bovine serum albumin using a glassy carbon electrode modified with carbon-coated nickel nanoparticles. <i>Mikrochimica Acta</i> , 2013 , 180, 355-361	5.8	11
59	Electrochemical sensor based on a carbon nanotube-modified imprinted sol-gel for selective and sensitive determination of β -agonists. <i>Mikrochimica Acta</i> , 2013 , 180, 1005-1011	5.8	11
58	Selective and sensitive determination of ochratoxin A based on a molecularly imprinted electrochemical luminescence sensor. <i>Analytical Methods</i> , 2015 , 7, 10224-10228	3.2	10
57	Meta-analysis of the effects of oral and intravenous dexamethasone premedication in the prevention of paclitaxel-induced allergic reactions. <i>Oncotarget</i> , 2017 , 8, 19236-19243	3.3	10

56	Development of a novel near-infrared fluorescence light-up probe with a large Stokes shift for sensing of cysteine in aqueous solution, living cells and zebrafish. <i>Dyes and Pigments</i> , 2019 , 171, 107722	4.6	10
55	A novel label-free electrochemical impedance aptasensor for highly sensitive detection of human interferon-gamma based on target-induced exonuclease inhibition. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111532	11.8	10
54	Visual detection and removal of mercury ions by a ferrocene derivative. <i>Tetrahedron Letters</i> , 2014 , 55, 3541-3544	2	10
53	Nitromethane biosensor based on four heme proteins modified glassy carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 674, 17-22	4.1	10
52	Electrochemistry of heme proteins entrapped in DNA films in two imidazolium-based room temperature ionic liquids. <i>Bioelectrochemistry</i> , 2013 , 91, 8-14	5.6	10
51	Single-Particle Electrochemical Biosensor with DNA Walker Amplification for Ultrasensitive HIV-DNA Counting. <i>Analytical Chemistry</i> , 2021 , 93, 4506-4512	7.8	10
50	A Sensitive Electrochemical Sensor Based on Solution Polymerized Molecularly Imprinted Polymers for Procaine Detection. <i>Electroanalysis</i> , 2016 , 28, 2007-2015	3	10
49	One-pot synthesis of AuNCs-MnO ₂ nanoflakes with peroxidase-like characteristics for pyrophosphatase detection based on Exonuclease III and Cu ²⁺ -DNAzymes dual-amplified strategy. <i>Sensors and Actuators B: Chemical</i> , 2019 , 291, 451-457	8.5	9
48	Modulation of the optical color of Au nanoclusters and its application in ratiometric photoluminescence detection. <i>Chemical Communications</i> , 2018 , 54, 10467-10470	5.8	9
47	Ratiometric electrochemical biosensor based on Exo III-Assisted recycling amplification for the detection of CAG trinucleotide repeats. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111537	11.8	9
46	Synthesis and characterization of a bifunctional nanoprobe for CGG trinucleotide repeat detection. <i>RSC Advances</i> , 2017 , 7, 36124-36131	3.7	9
45	Electrochemical Sensor for Detection of Glucose Based on Ni@Pt Core-shell Nanoparticles Supported on Carbon. <i>Electroanalysis</i> , 2016 , 28, 671-678	3	9
44	Functional silica nanospheres for sensitive detection of H9N2 avian influenza virus based on immunomagnetic separation. <i>Sensors and Actuators B: Chemical</i> , 2020 , 310, 127831	8.5	8
43	Electrochemical biosensors for the assay of DNA damage initiated by ferric ions catalyzed oxidation of dopamine in room temperature ionic liquid. <i>Electrochimica Acta</i> , 2013 , 114, 265-270	6.7	8
42	Stable poly(St-co-BA) nanoemulsion polymerization for high performance antibacterial coatings in the presence of dioctyldimethylammonium chloride. <i>Materials Science and Engineering C</i> , 2015 , 49, 234-242	8.3	8
41	Electrochemical detection of BSA damage induced by Fenton reagents in room temperature ionic liquid. <i>Sensors and Actuators B: Chemical</i> , 2012 , 169, 368-373	8.5	8
40	Discrimination and ultrasensitive detection of β -agonists using copper nanoclusters as a fluorescent probe. <i>Mikrochimica Acta</i> , 2017 , 184, 3317-3324	5.8	7
39	Fluorescence suppression of MPA stabilized CdTe QDs for direct determination of propranolol. <i>Analytical Methods</i> , 2017 , 9, 929-936	3.2	7

38	A competitive self-powered sensing platform based on a visible light assisted zinc-air battery system. <i>Chemical Communications</i> , 2020 , 56, 5739-5742	5.8	7
37	Electrochemical biosensors for the monitoring of DNA damage induced by ferric ions mediated oxidation of dopamine. <i>Electrochemistry Communications</i> , 2013 , 28, 91-94	5.1	7
36	Electrochemical study of Aloe-emodin on an ionic liquid-type carbon paste electrode. <i>Mikrochimica Acta</i> , 2010 , 169, 255-260	5.8	7
35	Hemicyanine-based colorimetric and near-infrared fluorescent off-on probe for Hg ²⁺ detection and imaging in living cells and zebrafish. <i>Dyes and Pigments</i> , 2020 , 183, 108674	4.6	7
34	Modulating an in situ fluorogenic reaction for the label-free ratiometric detection of biothiols. <i>Analyst, The</i> , 2019 , 144, 4520-4525	5	6
33	A label-free ratiometric fluorescence nanoprobe for ascorbic acid based on redox-modulated dual-emission signals. <i>Analyst, The</i> , 2019 , 144, 3511-3517	5	6
32	Evaluation of antioxidative capacity via measurement of the damage of DNA using an electrochemical biosensor and an ionic liquid solvent. <i>Mikrochimica Acta</i> , 2012 , 176, 479-484	5.8	6
31	Electrochemical Investigation of Interaction between a Bifunctional Probe and GG Mismatch Duplex. <i>Analytical Sciences</i> , 2015 , 31, 663-7	1.7	6
30	Electrochemical detection of in situ DNA damage induced by enzyme-catalyzed Fenton reaction. Part II in hydrophobic room temperature ionic liquid. <i>Mikrochimica Acta</i> , 2012 , 178, 45-51	5.8	6
29	Metal-Mediated Polydopamine Nanoparticles-DNA Nanomachine Coupling Electrochemical Conversion of Metal-Organic Frameworks for Ultrasensitive MicroRNA Sensing. <i>Analytical Chemistry</i> , 2021 , 93, 13475-13484	7.8	6
28	Ultrasensitive SQDs-based electrochemiluminescence assay for determination of miRNA-141 with dual-amplification of co-reaction accelerators and DNA walker. <i>Sensors and Actuators B: Chemical</i> , 2021 , 345, 130405	8.5	6
27	Construction of a dual-functional CuO/BiOCl heterojunction for high-efficiently photoelectrochemical biosensing and photoelectrocatalytic degradation of aflatoxin B1. <i>Chemical Engineering Journal</i> , 2022 , 429, 132297	14.7	6
26	A β -agonist sensor based on a molecularly imprinted poly-o-phenylenediamine film on a columnar-structured platinum electrode. <i>Analytical Methods</i> , 2014 , 6, 2349	3.2	5
25	Magnetic Nanobeads and De Novo Growth of Electroactive Polymers for Ultrasensitive microRNA Detection at the Cellular Level. <i>Analytical Chemistry</i> , 2021 , 93, 902-910	7.8	5
24	Visible light mediated self-powered sensing based on target induced recombination of photogenerated carriers. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124765	12.8	5
23	A novel electrochemical method based on screen-printed electrodes and magnetic beads for detection of trinucleotide repeat sequence d(CAG) _n . <i>New Journal of Chemistry</i> , 2018 , 42, 9757-9763	3.6	5
22	An electrochemical biosensor for rapid detection of bovine serum albumin damage induced by hydroxyl radicals in room temperature ionic liquid. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 741-746	8.5	4
21	Multi-dimensional imaging of endogenous leucine aminopeptidase via fast response fluorescent read-out probe. <i>Dyes and Pigments</i> , 2021 , 187, 109145	4.6	4

20	Simple MoS-Nanofiber Paper-Based Fluorescence Immunosensor for Point-of-Care Detection of Programmed Cell Death Protein 1. <i>Analytical Chemistry</i> , 2021 , 93, 8791-8798	7.8	4
19	Photocatalytic Fuel Cell-Assisted Molecularly Imprinted Self-Powered Sensor: A Flexible and Sensitive Tool for Detecting Aflatoxin B1. <i>Analytical Chemistry</i> , 2021 , 93, 13204-13211	7.8	4
18	A general controllable release amplification strategy of liposomes for single-particle collision electrochemical biosensing.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114182	11.8	4
17	Electrochemical Behavior of Herbal Antitumor Drug Aloe-Emodin at Carbon-Coated Nickel Magnetic Nanoparticles Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2010 , 22, 2658-2664	3	3
16	Acidity-responsive cascade nanoreactor based on metal-nanozyme and glucose oxidase combination for starving and photothermal-enhanced chemodynamic antibacterial therapy. <i>Chemical Engineering Journal</i> , 2022 , 446, 137172	14.7	3
15	Synthesis and properties enhancement of metal nanoclusters templated on a biological molecule/ionic liquids complex. <i>New Journal of Chemistry</i> , 2017 , 41, 3766-3772	3.6	2
14	A fluorescent method based on magnetic nanoparticles for detection of CGG trinucleotide repeat genes. <i>New Journal of Chemistry</i> , 2019 , 43, 1322-1327	3.6	2
13	Oxidation-controlled synthesis of fluorescent polydopamine for the detection of metal ions. <i>Microchemical Journal</i> , 2019 , 147, 176-182	4.8	2
12	Electrochemical Properties and Analytical Applications of Keggin-type Phosphomolybdic Anions in Electrostatically Linked 2-Aminoethanethiol Self-Assembled Monolayers. <i>Mikrochimica Acta</i> , 2005 , 149, 185-191	5.8	2
11	A flexible label-free electrochemical aptasensor based on target-induced conjunction of two split aptamers and enzyme amplification. <i>Sensors and Actuators B: Chemical</i> , 2022 , 363, 131766	8.5	2
10	A Novel Electrochemical Sensor Based on [Ru(NH)]Cl as a Redox Indicator for the Detection of G-G Mismatched DNA. <i>Analytical Sciences</i> , 2017 , 33, 585-590	1.7	1
9	Fractal research on AFM images of polycrystalline aluminum surface with adsorption film of SDS inhibitor. <i>Materials Science</i> , 2009 , 45, 114-124	0.7	1
8	Synthesis of dual-functional CuO nanotubes for high-efficiently photoelectrochemical and colorimetric sensing of HO.. <i>Analytica Chimica Acta</i> , 2022 , 1199, 339598	6.6	1
7	Promotion of diabetic wound healing using novel CuO/Pt nanocubes through bacterial killing and enhanced angiogenesis in rats.. <i>Materials Science and Engineering C</i> , 2021 , 112552	8.3	1
6	Self-powered electrochemical sensing platform based on zinc-air battery via synergy of the light filtering effect and photoassisted oxygen reduction reaction. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131320	8.5	1
5	An ultrasensitive CHNHPbBr quantum dots@SiO ₂ -based electrochemiluminescence sensing platform using an organic electrolyte for aflatoxin B1 detection in corn oil.. <i>Food Chemistry</i> , 2022 , 390, 133200	8.5	1
4	A novel solution-gated graphene transistor biosensor for ultrasensitive detection of trinucleotide repeats. <i>Analyst, The</i> , 2020 , 145, 4795-4805	5	0
3	Enhanced Performance and Stability of Carbon Counter Electrode-Based MAPbI ₃ Perovskite Solar Cells with p-Methylphenylamine Iodate Additives. <i>ACS Applied Energy Materials</i> , 2021 , 4, 11314-11324	6.1	0

- 2 Sustainable fabrication of ultralong Pb(OH)Br nanowires and their conversion to luminescent CH₃NH₃PbBr₃ nanowires. *Green Chemistry*, 10 0
- 1 Ruthenium(II) complex encapsulated multifunctional metal organic frameworks based electrochemiluminescence sensor for sensitive detection of hydrogen sulfide. *Talanta*, **2022**, 123602 6.2 0