Xiuhua Zhang

List of Publications by Year in Descending Order

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	Synthesis of dual-functional CuO nanotubes for high-efficiently photoelectrochemical and colorimetric sensing of HO.. *Analytica Chimica Acta*, **2022**, 1199, 339598	6.6	1
180	Self-powered electrochemical sensing platform based on zinc-air battery via synergy of the light filtering effect and photoassisted oxygen reduction reaction. *Sensors and Actuators B: Chemical*, **2022**, 355, 131320	8.5	1
179	Construction of a dual-functional CuO/BiOCl heterojunction for high-efficiently photoelectrochemical biosensing and photoelectrocatalytic degradation of aflatoxin B1. *Chemical Engineering Journal*, **2022**, 429, 132297	14.7	6
178	A general controllable release amplification strategy of liposomes for single-particle collision electrochemical biosensing.. *Biosensors and Bioelectronics*, **2022**, 207, 114182	11.8	4
177	A flexible label-free electrochemical aptasensor based on target-induced conjunction of two split aptamers and enzyme amplification. *Sensors and Actuators B: Chemical*, **2022**, 363, 131766	8.5	2
176	An ultrasensitive CHNHPbBr quantum dots@SiO-based electrochemiluminescence sensing platform using an organic electrolyte for aflatoxin B1 detection in corn oil.. *Food Chemistry*, **2022**, 390, 133200	8.5	1
175	Ruthenium(II) complex encapsulated multifunctional metal organic frameworks based electrochemiluminescence sensor for sensitive detection of hydrogen sulfide. *Talanta*, **2022**, 123602	6.2	0
174	Acidity-responsive cascade nanoreactor based on metal-nanozyme and glucose oxidase combination for starving and photothermal-enhanced chemodynamic antibacterial therapy. *Chemical Engineering Journal*, **2022**, 446, 137172	14.7	3
173	Promotion of diabetic wound healing using novel CuO/Pt nanocubes through bacterial killing and enhanced angiogenesis in rats.. *Materials Science and Engineering C*, **2021**, 112552	8.3	1
172	Enhanced Performance and Stability of Carbon Counter Electrode-Based MAPbI3 Perovskite Solar Cells with p-Methylphenylamine Iodate Additives. *ACS Applied Energy Materials*, **2021**, 4, 11314-11324	6.1	0
171	Single-Particle Electrochemical Biosensor with DNA Walker Amplification for Ultrasensitive HIV-DNA Counting. *Analytical Chemistry*, **2021**, 93, 4506-4512	7.8	10
170	Yttrium Oxide Nanoparticle Synthesis: An Overview of Methods of Preparation and Biomedical Applications. *Applied Sciences (Switzerland)*, **2021**, 11, 2172	2.6	24
169	Multi-dimensional imaging of endogenous leucine aminopeptidase via fast response fluorescent read-out probe. *Dyes and Pigments*, **2021**, 187, 109145	4.6	4
168	Molecular Engineering of Efficient Singlet Oxygen Generators with Near-Infrared AIE Features for Mitochondrial Targeted Photodynamic Therapy. *Advanced Functional Materials*, **2021**, 31, 2104026	15.6	12
167	Simple MoS-Nanofiber Paper-Based Fluorescence Immunosensor for Point-of-Care Detection of Programmed Cell Death Protein 1. *Analytical Chemistry*, **2021**, 93, 8791-8798	7.8	4
166	Heterostructured CuO-g-C3N4 nanocomposites as a highly efficient photocathode for photoelectrochemical aflatoxin B1 sensing. *Sensors and Actuators B: Chemical*, **2021**, 329, 129146	8.5	15
165	Magnetic Nanobeads and De Novo Growth of Electroactive Polymers for Ultrasensitive microRNA Detection at the Cellular Level. *Analytical Chemistry*, **2021**, 93, 902-910	7.8	5

164	Visible light mediated self-powered sensing based on target induced recombination of photogenerated carriers. *Journal of Hazardous Materials*, **2021**, 407, 124765	12.8	5
163	Cu-modified hollow carbon nanospheres: an unusual nanozyme with enhanced peroxidase-like activity. *Mikrochimica Acta*, **2021**, 188, 8	5.8	12
162	Metal-Mediated Polydopamine Nanoparticles-DNA Nanomachine Coupling Electrochemical Conversion of Metal-Organic Frameworks for Ultrasensitive MicroRNA Sensing. *Analytical Chemistry* , **2021**, 93, 13475-13484	7.8	6
161	Photocatalytic Fuel Cell-Assisted Molecularly Imprinted Self-Powered Sensor: A Flexible and Sensitive Tool for Detecting Aflatoxin B1. *Analytical Chemistry*, **2021**, 93, 13204-13211	7.8	4
160	Ultrasensitive SQDs-based electrochemiluminescence assay for determination of miRNA-141 with dual-amplification of co-reaction accelerators and DNA walker. *Sensors and Actuators B: Chemical*, **2021**, 345, 130405	8.5	6
159	A HO-free electrochemical peptide biosensor based on Au@Pt bimetallic nanorods for highly sensitive sensing of matrix metalloproteinase 2. *Chemical Communications*, **2020**, 56, 6039-6042	5.8	12
158	Iron doped graphitic carbon nitride with peroxidase like activity for colorimetric detection of sarcosine and hydrogen peroxide. *Mikrochimica Acta*, **2020**, 187, 383	5.8	11
157	A novel solution-gated graphene transistor biosensor for ultrasensitive detection of trinucleotide repeats. *Analyst, The*, **2020**, 145, 4795-4805	5	0
156	Functional silica nanospheres for sensitive detection of H9N2 avian influenza virus based on immunomagnetic separation. *Sensors and Actuators B: Chemical*, **2020**, 310, 127831	8.5	8
155	A competitive self-powered sensing platform based on a visible light assisted zinc-air battery system. *Chemical Communications*, **2020**, 56, 5739-5742	5.8	7
154	An energy and charge transfer synergetic donor□cceptor heterostructure 2D-COF in photovoltaics. *Journal of Materials Chemistry A*, **2020**, 8, 8518-8526	13	14
153	Target-Driven Cascade-Amplified Release of Loads from DNA-Gated Metal-Organic Frameworks for Electrochemical Detection of Cancer Biomarker. *ACS Applied Materials & Interfaces*, **2020**, 12, 2087-2094	9.5	31
152	Hemicyanine-based colorimetric and near-infrared fluorescent off-on probe for Hg2+ detection and imaging in living cells and zebrafish. *Dyes and Pigments*, **2020**, 183, 108674	4.6	7
151	A novel benzopyran-based colorimetric and near-infrared fluorescent sensor for Hg2+ and its imaging in living cell and zebrafish. *Dyes and Pigments*, **2020**, 172, 107658	4.6	25
150	Enrichment-Stowage-Cycle Strategy for Ultrasensitive Electrochemiluminescent Detection of HIV-DNA with Wide Dynamic Range. *Analytical Chemistry*, **2019**, 91, 12238-12245	7.8	23
149	An exonuclease-assisted triple-amplified electrochemical aptasensor for mucin 1 detection based on strand displacement reaction and enzyme catalytic strategy. *Analytica Chimica Acta*, **2019**, 1086, 75-81	6.6	15
148	Development of a lateral flow strip biosensor based on copper oxide nanoparticles for rapid and sensitive detection of HPV16 DNA. *Sensors and Actuators B: Chemical*, **2019**, 285, 326-332	8.5	26
147	A fluorescent method based on magnetic nanoparticles for detection of CGG trinucleotide repeat genes. *New Journal of Chemistry*, **2019**, 43, 1322-1327	3.6	2

146	Organic-inorganic nanoparticles molecularly imprinted photoelectrochemical sensor for □solanine based on p-type polymer dots and n-CdS heterojunction. *Analytica Chimica Acta*, **2019**, 1059, 94-102	6.6	24
145	Ultrasensitive electrochemical biosensor of interferon-gamma based on gold nanoclusters-graphene@zeolitic imidazolate framework-8 and layered-branched hybridization chain reaction. *Sensors and Actuators B: Chemical*, **2019**, 296, 126606	8.5	16
144	Construction of a flexible electrochemiluminescence platform for sweat detection. *Chemical Science*, **2019**, 10, 6295-6303	9.4	24
143	Hollow copper sulfide nanocubes as multifunctional nanozymes for colorimetric detection of dopamine and electrochemical detection of glucose. *Biosensors and Bioelectronics*, **2019**, 141, 111450	11.8	74
142	Fluorometric determination of copper(II) by using 3-aminophenylboronic acid-functionalized CdTe quantum dot probes. *Mikrochimica Acta*, **2019**, 186, 392	5.8	11
141	Modulating an in situ fluorogenic reaction for the label-free ratiometric detection of biothiols. *Analyst, The*, **2019**, 144, 4520-4525	5	6
140	One-pot synthesis of AuNCs-MnO2 nanoflakes with peroxidase-like characteristics for pyrophosphatase detection based on Exonuclease III and Cu2+-DNAzymes dual-amplified strategy. *Sensors and Actuators B: Chemical*, **2019**, 291, 451-457	8.5	9
139	A label-free ratiometric fluorescence nanoprobe for ascorbic acid based on redox-modulated dual-emission signals. *Analyst, The*, **2019**, 144, 3511-3517	5	6
138	An aptamer-based hook-effect-recognizable three-line lateral flow biosensor for rapid detection of thrombin. *Biosensors and Bioelectronics*, **2019**, 133, 177-182	11.8	25
137	Enhanced electrochemiluminescence of gold nanoclusters via silver doping and their application for ultrasensitive detection of dopamine. *Analyst, The*, **2019**, 144, 2643-2648	5	18
136	A synergistic approach to enhance the photoelectrochemical performance of carbon dots for molecular imprinting sensors. *Nanoscale*, **2019**, 11, 7885-7892	7.7	17
135	Oxidation-controlled synthesis of fluorescent polydopamine for the detection of metal ions. *Microchemical Journal*, **2019**, 147, 176-182	4.8	2
134	Electrochemiluminescent aptasensor based on resonance energy transfer system between CdTe quantum dots and cyanine dyes for the sensitive detection of Ochratoxin A. *Talanta*, **2019**, 199, 178-183	6.2	34
133	Construction of an ultrasensitive electrochemiluminescent aptasensor for ractopamine detection. *Analyst, The*, **2019**, 144, 2550-2555	5	11
132	Au-Luminol-decorated porous carbon nanospheres for the electrochemiluminescence biosensing of MUC1. *Nanoscale*, **2019**, 11, 16860-16867	7.7	11
131	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. *Dyes and Pigments*, **2019**, 171, 107722	4.6	10
130	A novel label-free electrochemical impedance aptasensor for highly sensitive detection of human interferon-gamma based on target-induced exonuclease inhibition. *Biosensors and Bioelectronics*, **2019**, 142, 111532	11.8	10
129	Ratiometric electrochemical biosensor based on Exo III-Assisted recycling amplification for the detection of CAG trinucleotide repeats. *Biosensors and Bioelectronics*, **2019**, 142, 111537	11.8	9

128	Fluorescent-Magnetic-Catalytic Nanospheres for Dual-Modality Detection of H9N2 Avian Influenza Virus. *ACS Applied Materials & Interfaces*, **2019**, 11, 41148-41156	9.5	20
127	Construction of a novel far-red fluorescence light-up probe for visualizing intracellular peroxynitrite. *Talanta*, **2019**, 197, 431-435	6.2	20
126	Electrochemiluminescent sensor based on Ru(bpy)32+-doped silica nanoprobe by incorporating a new co-reactant NBD-amine for selective detection of hydrogen sulfide. *Sensors and Actuators B: Chemical*, **2019**, 284, 451-455	8.5	15
125	Molecularly imprinted photoelectrochemical sensor for fumonisin B based on GO-CdS heterojunction. *Biosensors and Bioelectronics*, **2019**, 127, 57-63	11.8	52
124	Improvement in fluidity loss of magnesia phosphate cement by incorporating polycarboxylate superplasticizer. *Construction and Building Materials*, **2018**, 165, 887-897	6.7	12
123	The turn-off fluorescent sensors based on thioether-linked bisbenzamide for Fe 3+ and Hg 2+. *Tetrahedron*, **2018**, 74, 1668-1680	2.4	16
122	Applying strand displacement amplification to quantum dots-based fluorescent lateral flow assay strips for HIV-DNA detection. *Biosensors and Bioelectronics*, **2018**, 105, 211-217	11.8	81
121	Electrochemiluminescent aptasensor based on □-cyclodextrin/graphitic carbon nitride composite for highly selective and ultrasensitive assay of platelet derived growth factor BB. *Carbon*, **2018**, 130, 416-423	10.4	19
120	Development of a novel benzothiadiazole-based fluorescent turn-on probe for highly selective detection of glutathione over cysteine/homocysteine. *Sensors and Actuators B: Chemical*, **2018**, 266, 528-533	8.5	33
119	Construction of Highly Efficient Resonance Energy Transfer Platform Inside a Nanosphere for Ultrasensitive Electrochemiluminescence Detection. *Analytical Chemistry*, **2018**, 90, 5075-5081	7.8	53
118	A high-sensitivity electrochemical aptasensor of carcinoembryonic antigen based on graphene quantum dots-ionic liquid-nafion nanomatrix and DNAzyme-assisted signal amplification strategy. *Biosensors and Bioelectronics*, **2018**, 99, 28-33	11.8	99
117	□uminescent-off/on□sensing mechanism of antibiotic-capped gold nanoclusters to phosphate-containing metabolites and its antibacterial characteristics. *Sensors and Actuators B: Chemical*, **2018**, 255, 2170-2178	8.5	12
116	Silver nanoclusters-assisted triple-amplified biosensor for ultrasensitive methyltransferase activity detection based on AuNPs/ERGO hybrids and hybridization chain reaction. *Biosensors and Bioelectronics*, **2018**, 118, 174-180	11.8	25
115	Recent progress in biosensors based on organic-inorganic hybrid nanoflowers. *Biosensors and Bioelectronics*, **2018**, 120, 175-187	11.8	48
114	Modulation of the optical color of Au nanoclusters and its application in ratiometric photoluminescence detection. *Chemical Communications*, **2018**, 54, 10467-10470	5.8	9
113	A novel ratiometric fluorescence nanoprobe based on aggregation-induced emission of silver nanoclusters for the label-free detection of biothiols. *Talanta*, **2018**, 188, 623-629	6.2	21
112	In situ growth of copper oxide-graphite carbon nitride nanocomposites with peroxidase-mimicking activity for electrocatalytic and colorimetric detection of hydrogen peroxide. *Carbon*, **2018**, 129, 29-37	10.4	57
111	A novel electrochemical method based on screen-printed electrodes and magnetic beads for detection of trinucleotide repeat sequence d(CAG)n. *New Journal of Chemistry*, **2018**, 42, 9757-9763	3.6	5

110	A novel ratiometric fluorescent probe for selective detection of bisulfite in living cells. *RSC Advances*, **2017**, 7, 2573-2577	3.7	29
109	An HBT-Based Near-Infrared Fluorescent Probe for Colorimetric and Ratiometric Detection of Bisulfite and its Application in Living Cells. *Journal of Fluorescence*, **2017**, 27, 1405-1411	2.4	11
108	Surface-enhanced molecularly imprinted electrochemiluminescence sensor based on Ru@SiO for ultrasensitive detection of fumonisin B. *Biosensors and Bioelectronics*, **2017**, 96, 55-61	11.8	59
107	A highly selective HBT-based □turn-on□fluorescent probe for hydrazine detection and its application. *Tetrahedron Letters*, **2017**, 58, 2596-2601	2	43
106	A simple and sensitive fluorometric dopamine assay based on silica-coated CdTe quantum dots. *Mikrochimica Acta*, **2017**, 184, 3189-3196	5.8	11
105	Discrimination and ultrasensitive detection of □2-agonists using copper nanoclusters as a fluorescent probe. *Mikrochimica Acta*, **2017**, 184, 3317-3324	5.8	7
104	A novel label-free strategy for pathogenic DNA detection based on metal ion binding-induced fluorescence quenching of graphitic carbon nitride nanosheets. *Analyst, The*, **2017**, 142, 2617-2623	5	20
103	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. *Materials Science and Engineering C*, **2017**, 80, 180-186	8.3	18
102	Synthesis and properties enhancement of metal nanoclusters templated on a biological molecule/ionic liquids complex. *New Journal of Chemistry*, **2017**, 41, 3766-3772	3.6	2
101	HBT-based turn-on fluorescent probe for discrimination of homocysteine from glutathione/cysteine and its bioimaging applications. *RSC Advances*, **2017**, 7, 16387-16391	3.7	11
100	Ultrasensitive electrochemical DNA biosensor based on functionalized gold clusters/graphene nanohybrids coupling with exonuclease III-aided cascade target recycling. *Biosensors and Bioelectronics*, **2017**, 91, 183-189	11.8	49
99	Fluorescence suppression of MPA stabilized CdTe QDs for direct determination of propranolol. *Analytical Methods*, **2017**, 9, 929-936	3.2	7
98	A Novel Electrochemical Sensor Based on [Ru(NH)]Cl as a Redox Indicator for the Detection of G-G Mismatched DNA. *Analytical Sciences*, **2017**, 33, 585-590	1.7	1
97	Meta-analysis of the effects of oral and intravenous dexamethasone premedication in the prevention of paclitaxel-induced allergic reactions. *Oncotarget*, **2017**, 8, 19236-19243	3.3	10
96	Synthesis and characterization of a bifunctional nanoprobe for CGG trinucleotide repeat detection. *RSC Advances*, **2017**, 7, 36124-36131	3.7	9
95	A Novel Electrochemical Biosensor Based on a Double-Signal Technique for d(CAG) Trinucleotide Repeats. *ACS Applied Materials & Interfaces*, **2017**, 9, 44231-44240	9.5	11
94	A label-free electrochemical biosensor for methyltransferase activity detection and inhibitor screening based on graphene quantum dot and enzyme-catalyzed reaction. *Journal of Electroanalytical Chemistry*, **2017**, 799, 327-332	4.1	16
93	Integrated amplified aptasensor with in-situ precise preparation of copper nanoclusters for ultrasensitive electrochemical detection of microRNA 21. *Biosensors and Bioelectronics*, **2017**, 98, 386-391	11.8	52

92	Ultrasensitive paper based nucleic acid detection realized by three-dimensional DNA-AuNPs network amplification. *Biosensors and Bioelectronics*, **2017**, 92, 529-535	11.8	45
91	Voltammetric determination of levofloxacin using a glassy carbon electrode modified with poly(o-aminophenol) and graphene quantum dots. *Mikrochimica Acta*, **2017**, 184, 127-135	5.8	36
90	A convenient purification method for metal nanoclusters based on pH-induced aggregation and cyclic regeneration and its applications in fluorescent pH sensors. *Sensors and Actuators B: Chemical* , **2017**, 239, 988-992	8.5	15
89	Enzyme catalytic amplification of miRNA-155 detection with graphene quantum dot-based electrochemical biosensor. *Biosensors and Bioelectronics*, **2016**, 77, 451-6	11.8	132
88	Solid-state electrochemiluminescence sensor based on RuSi nanoparticles combined with molecularly imprinted polymer for the determination of ochratoxin A. *Sensors and Actuators B: Chemical*, **2016**, 222, 264-269	8.5	41
87	An electrochemical impedance sensor for simple and specific recognition of G□ mismatches in DNA. *Analytical Methods*, **2016**, 8, 7413-7419	3.2	11
86	A convenient purification method for silver nanoclusters and its applications in fluorescent pH sensors for bacterial monitoring. *Biosensors and Bioelectronics*, **2016**, 86, 164-168	11.8	35
85	Dopamine assay based on an aggregation-induced reversed inner filter effect of gold nanoparticles on the fluorescence of graphene quantum dots. *Talanta*, **2016**, 158, 292-298	6.2	31
84	Label-free and dual-amplified electrochemical detection of Hg2+ based on self-assembled DNA nanostructures and target-triggered exonuclease cleavage activity. *New Journal of Chemistry*, **2016**, 40, 6686-6691	3.6	16
83	Visual multiple recognition of protein biomarkers based on an array of aptamer modified gold nanoparticles in biocomputing to strip biosensor logic operations. *Biosensors and Bioelectronics*, **2016**, 79, 522-30	11.8	32
82	Highly sensitive amperometric biosensor based on electrochemically-reduced graphene oxide-chitosan/hemoglobin nanocomposite for nitromethane determination. *Biosensors and Bioelectronics*, **2016**, 79, 894-900	11.8	52
81	Nicking endonuclease-assisted recycling of target-aptamer complex for sensitive electrochemical detection of adenosine triphosphate. *Analyst, The*, **2016**, 141, 1506-11	5	16
80	Enhanced electrochemiluminescence of RuSi nanoparticles for ultrasensitive detection of ochratoxin A by energy transfer with CdTe quantum dots. *Biosensors and Bioelectronics*, **2016**, 79, 561-7	11.8	48
79	Surface protein imprinted magnetic nanoparticles for specific recognition of bovine hemoglobin. *New Journal of Chemistry*, **2016**, 40, 564-570	3.6	22
78	Electrochemical Sensor for Detection of Glucose Based on Ni@Pt Core-shell Nanoparticles Supported on Carbon. *Electroanalysis*, **2016**, 28, 671-678	3	9
77	A Sensitive Electrochemical Sensor Based on Solution Polymerized Molecularly Imprinted Polymers for Procaine Detection. *Electroanalysis*, **2016**, 28, 2007-2015	3	10
76	Increased electrocatalyzed performance through hairpin oligonucleotide aptamer-functionalized gold nanorods labels and graphene-streptavidin nanomatrix: Highly selective and sensitive electrochemical biosensor of carcinoembryonic antigen. *Biosensors and Bioelectronics*, **2016**, 83, 142-8	11.8	59
75	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. *Composites Science and Technology*, **2015**, 113, 46-53	8.6	12

74	Application of nanomaterials in the bioanalytical detection of disease-related genes. *Biosensors and Bioelectronics*, **2015**, 74, 113-33	11.8	61
73	A double-enhanced strip biosensor for the rapid and ultrasensitive detection of protein biomarkers. *Chemical Communications*, **2015**, 51, 8273-5	5.8	16
72	An insertion approach electrochemical aptasensor for mucin 1 detection based on exonuclease-assisted target recycling. *Biosensors and Bioelectronics*, **2015**, 71, 13-17	11.8	55
71	An exonuclease-assisted amplification electrochemical aptasensor for Hg(2+) detection based on hybridization chain reaction. *Biosensors and Bioelectronics*, **2015**, 70, 318-23	11.8	38
70	Visual detection of thrombin using a strip biosensor through aptamer-cleavage reaction with enzyme catalytic amplification. *Analyst, The*, **2015**, 140, 7710-7	5	28
69	Selective and sensitive determination of ochratoxin A based on a molecularly imprinted electrochemical luminescence sensor. *Analytical Methods*, **2015**, 7, 10224-10228	3.2	10
68	Ultrasensitive Electrochemical Biosensor for HIV Gene Detection Based on Graphene Stabilized Gold Nanoclusters with Exonuclease Amplification. *ACS Applied Materials & Interfaces*, **2015**, 7, 18872-9	9.5	85
67	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. *Mikrochimica Acta*, **2015**, 182, 2395-2401	5.8	11
66	A highly sensitive non-enzymatic glucose sensor based on PtxCo1−x/C nanostructured composites. *Sensors and Actuators B: Chemical*, **2015**, 207, 51-58	8.5	21
65	A novel, molecularly imprinted polymer sensor made using an oligomeric methyl silsesquioxane-TiO2 composite sol on a glassy carbon electrode for the detection of procainamide hydrochloride. *Biosensors and Bioelectronics*, **2015**, 64, 94-101	11.8	19
64	Electrochemical Investigation of Interaction between a Bifunctional Probe and GG Mismatch Duplex. *Analytical Sciences*, **2015**, 31, 663-7	1.7	6
63	Electrochemical immunosensor for the prostate specific antigen detection based on carbon nanotube and gold nanoparticle amplification strategy. *Mikrochimica Acta*, **2015**, 182, 1855-1861	5.8	29
62	A sensitive electrochemical aptasensor for ATP detection based on exonuclease III-assisted signal amplification strategy. *Analytica Chimica Acta*, **2015**, 862, 64-9	6.6	36
61	An exonuclease-assisted amplification electrochemical aptasensor of thrombin coupling "signal on/off" strategy. *Analytica Chimica Acta*, **2015**, 860, 70-6	6.6	18
60	Stable poly(St-co-BA) nanoemulsion polymerization for high performance antibacterial coatings in the presence of dioctyldimethylammonium chloride. *Materials Science and Engineering C*, **2015**, 49, 234-242	8.3	8
59	Simplified aptamer-based colorimetric method using unmodified gold nanoparticles for the detection of carcinoma embryonic antigen. *RSC Advances*, **2015**, 5, 10994-10999	3.7	43
58	Water-soluble polyaniline/graphene prepared by in situ polymerization in graphene dispersions and use as counter-electrode materials for dye-sensitized solar cells. *Reactive and Functional Polymers*, **2014**, 79, 47-53	4.6	27
57	A novel amperometric adenosine triphosphate biosensor by immobilizing graphene/dual-labeled aptamers complex onto poly(o-phenylenediamine) modified electrode. *Sensors and Actuators B: Chemical*, **2014**, 191, 695-702	8.5	30

56	Visual detection and removal of mercury ions by a ferrocene derivative. *Tetrahedron Letters*, **2014**, 55, 3541-3544	2	10
55	A universal lateral flow biosensor for proteins and DNAs based on the conformational change of hairpin oligonucleotide and its use for logic gate operations. *Biosensors and Bioelectronics*, **2014**, 61, 598-604	11.8	23
54	A β-agonist sensor based on a molecularly imprinted poly-o-phenylenediamine film on a columnar-structured platinum electrode. *Analytical Methods*, **2014**, 6, 2349	3.2	5
53	Visual discrimination of phenolic group β-agonists and the ultrasensitive identification of their oxidation products by use of a tyrosinase-based catalytic reaction. *Analytical Chemistry*, **2014**, 86, 4729-38	7.8	13
52	An electrochemical impedance sensor based on a small molecule modified Au electrode for the recognition of a trinucleotide repeat. *Analyst, The*, **2014**, 139, 5482-7	5	18
51	PtxNi/C nanostructured composites fabricated by chemical reduction and their application in non-enzymatic glucose sensors. *Sensors and Actuators B: Chemical*, **2014**, 203, 588-595	8.5	24
50	An Electrochemical Sensor for Reducing Sugars Based on a Glassy Carbon Electrode Modified with Electropolymerized Molecularly Imprinted Poly-o-phenylenediamine Film. *Electroanalysis*, **2014**, 26, 1612-1622	3	17
49	A High Sensitivity Electrochemical Sensor Based on Fe3+-Ion Molecularly Imprinted Film for the Detection of T-2 Toxin. *Electroanalysis*, **2014**, 26, 2739-2746	3	19
48	Novel electrochemical aptamer biosensor based on an enzyme-gold nanoparticle dual label for the ultrasensitive detection of epithelial tumour marker MUC1. *Biosensors and Bioelectronics*, **2014**, 53, 384-9	11.8	118
47	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. *Electroanalysis*, **2014**, 26, 1004-1012	3	13
46	A novel amperometric biosensor for superoxide anion based on superoxide dismutase immobilized on gold nanoparticle-chitosan-ionic liquid biocomposite film. *Analytica Chimica Acta*, **2013**, 758, 66-71	6.6	70
45	An electrochemical biosensor for rapid detection of bovine serum albumin damage induced by hydroxyl radicals in room temperature ionic liquid. *Sensors and Actuators B: Chemical*, **2013**, 188, 741-746	8.5	4
44	Electrochemical biosensors for the assay of DNA damage initiated by ferric ions catalyzed oxidation of dopamine in room temperature ionic liquid. *Electrochimica Acta*, **2013**, 114, 265-270	6.7	8
43	Facile electrochemical biosensor based on a new bifunctional probe for label-free detection of CGG trinucleotide repeat. *Biosensors and Bioelectronics*, **2013**, 49, 282-9	11.8	24
42	Novel electrochemical aptamer biosensor based on gold nanoparticles signal amplification for the detection of carcinoembryonic antigen. *Electrochemistry Communications*, **2013**, 37, 15-19	5.1	78
41	Studies on the electrochemistry of rutin and its interaction with bovine serum albumin using a glassy carbon electrode modified with carbon-coated nickel nanoparticles. *Mikrochimica Acta*, **2013**, 180, 355-361	5.8	11
40	An electrochemical biosensor for the rapid detection of DNA damage induced by xanthine oxidase-catalyzed Fenton reaction. *Sensors and Actuators B: Chemical*, **2013**, 181, 85-91	8.5	19
39	Electrochemical sensor based on a carbon nanotube-modified imprinted sol–gel for selective and sensitive determination of β-agonists. *Mikrochimica Acta*, **2013**, 180, 1005-1011	5.8	11

38	The preparation of carbon dots/ionic liquids-based electrolytes and their applications in quasi-solid-state dye-sensitized solar cells. *Electrochimica Acta*, **2013**, 88, 100-106	6.7	12
37	Electrochemical biosensors for the monitoring of DNA damage induced by ferric ions mediated oxidation of dopamine. *Electrochemistry Communications*, **2013**, 28, 91-94	5.1	7
36	Electrochemistry of heme proteins entrapped in DNA films in two imidazolium-based room temperature ionic liquids. *Bioelectrochemistry*, **2013**, 91, 8-14	5.6	10
35	A novel tyrosinase biosensor based on chitosan-carbon-coated nickel nanocomposite film. *Bioelectrochemistry*, **2012**, 84, 44-8	5.6	39
34	Electrochemical biosensors for the detection of oxidative DNA damage induced by Fenton reagents in ionic liquid. *Sensors and Actuators B: Chemical*, **2012**, 161, 274-278	8.5	25
33	Electrochemical sensor for the determination of brucine in human serum based on molecularly imprinted poly-o-phenylenediamine/SWNTs composite film. *Sensors and Actuators B: Chemical*, **2012**, 163, 84-89	8.5	67
32	A highly sensitive nitric oxide biosensor based on hemoglobin–chitosan/graphene–hexadecyltrimethylammonium bromide nanomatrix. *Sensors and Actuators B: Chemical*, **2012**, 166-167, 444-450	8.5	40
31	Nitromethane biosensor based on four heme proteins modified glassy carbon electrodes. *Journal of Electroanalytical Chemistry*, **2012**, 674, 17-22	4.1	10
30	Evaluation of antioxidative capacity via measurement of the damage of DNA using an electrochemical biosensor and an ionic liquid solvent. *Mikrochimica Acta*, **2012**, 176, 479-484	5.8	6
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