

# Wei Wen

## List of Publications by Year in Descending Order

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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.

186  
papers

5,801  
citations

40  
h-index

67  
g-index

193  
ext. papers

6,752  
ext. citations

7.3  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
186	Synthesis of dual-functional CuO nanotubes for high-efficiently photoelectrochemical and colorimetric sensing of HO <sub>2</sub> . <i>Analytica Chimica Acta</i> , <b>2022</b> , 1199, 339598	6.6	1
185	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> , <b>2022</b> , 355, 131320	8.5	1
184	Construction of a dual-functional CuO/BiOCl heterojunction for high-efficiently photoelectrochemical biosensing and photoelectrocatalytic degradation of aflatoxin B1. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132297	14.7	6
183	Spherical covalent organic framework supported Cu/Ag bimetallic nanoparticles with highly catalytic activity for reduction of 4-nitrophenol. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 123116	3.3	0
182	A general controllable release amplification strategy of liposomes for single-particle collision electrochemical biosensing.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 207, 114182	11.8	4
181	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> , <b>2022</b> , 363, 131766	8.5	2
180	An ultrasensitive CHNHPbBr quantum dots@SiO <sub>2</sub> -based electrochemiluminescence sensing platform using an organic electrolyte for aflatoxin B1 detection in corn oil.. <i>Food Chemistry</i> , <b>2022</b> , 390, 133200	8.5	1
179	Ruthenium(II) complex encapsulated multifunctional metal organic frameworks based electrochemiluminescence sensor for sensitive detection of hydrogen sulfide. <i>Talanta</i> , <b>2022</b> , 123602	6.2	0
178	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> , <b>2022</b> , 446, 137172	14.7	3
177	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> , <b>2021</b> , 112552	8.3	1
176	Single-Particle Electrochemical Biosensor with DNA Walker Amplification for Ultrasensitive HIV-DNA Counting. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 4506-4512	7.8	10
175	Yttrium Oxide Nanoparticle Synthesis: An Overview of Methods of Preparation and Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2172	2.6	24
174	Molecular Engineering of Efficient Singlet Oxygen Generators with Near-Infrared AIE Features for Mitochondrial Targeted Photodynamic Therapy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104026	15.6	12
173	Simple MoS <sub>2</sub> -Nanofiber Paper-Based Fluorescence Immunosensor for Point-of-Care Detection of Programmed Cell Death Protein 1. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8791-8798	7.8	4
172	Heterostructured CuO-g-C <sub>3</sub> N <sub>4</sub> nanocomposites as a highly efficient photocathode for photoelectrochemical aflatoxin B1 sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 329, 129146	8.5	15
171	Magnetic Nanobeads and De Novo Growth of Electroactive Polymers for Ultrasensitive microRNA Detection at the Cellular Level. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 902-910	7.8	5
170	Visible light mediated self-powered sensing based on target induced recombination of photogenerated carriers. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 407, 124765	12.8	5

169	Cu-modified hollow carbon nanospheres: an unusual nanozyme with enhanced peroxidase-like activity. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 8	5.8	12
168	Metal-Mediated Polydopamine Nanoparticles-DNA Nanomachine Coupling Electrochemical Conversion of Metal-Organic Frameworks for Ultrasensitive MicroRNA Sensing. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13475-13484	7.8	6
167	Photocatalytic Fuel Cell-Assisted Molecularly Imprinted Self-Powered Sensor: A Flexible and Sensitive Tool for Detecting Aflatoxin B1. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13204-13211	7.8	4
166	A HO-free electrochemical peptide biosensor based on Au@Pt bimetallic nanorods for highly sensitive sensing of matrix metalloproteinase 2. <i>Chemical Communications</i> , <b>2020</b> , 56, 6039-6042	5.8	12
165	Iron doped graphitic carbon nitride with peroxidase like activity for colorimetric detection of sarcosine and hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 383	5.8	11
164	Functional silica nanospheres for sensitive detection of H9N2 avian influenza virus based on immunomagnetic separation. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 310, 127831	8.5	8
163	A competitive self-powered sensing platform based on a visible light assisted zinc-air battery system. <i>Chemical Communications</i> , <b>2020</b> , 56, 5739-5742	5.8	7
162	Liquid crystalline and rheological properties of chitin whiskers with different chemical structures and chargeability. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 157, 24-35	7.9	8
161	An energy and charge transfer synergetic donor-acceptor heterostructure 2D-COF in photovoltaics. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 8518-8526	13	14
160	Target-Driven Cascade-Amplified Release of Loads from DNA-Gated Metal-Organic Frameworks for Electrochemical Detection of Cancer Biomarker. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2087-2094	8.5	31
159	Fabrication and evaluation of a chitin whisker/poly(L-lactide) composite scaffold by the direct trisolvant-ink writing method for bone tissue engineering. <i>Nanoscale</i> , <b>2020</b> , 12, 18225-18239	7.7	10
158	Enrichment-Stowage-Cycle Strategy for Ultrasensitive Electrochemiluminescent Detection of HIV-DNA with Wide Dynamic Range. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12238-12245	7.8	23
157	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> , <b>2019</b> , 1086, 75-81	6.6	15
156	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> , <b>2019</b> , 285, 326-332	8.5	26
155	A fluorescent method based on magnetic nanoparticles for detection of CGG trinucleotide repeat genes. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 1322-1327	3.6	2
154	Organic-inorganic nanoparticles molecularly imprinted photoelectrochemical sensor for Biotinine based on p-type polymer dots and n-CdS heterojunction. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1059, 94-102	6.6	24
153	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> , <b>2019</b> , 296, 126606	8.5	16
152	Construction of a flexible electrochemiluminescence platform for sweat detection. <i>Chemical Science</i> , <b>2019</b> , 10, 6295-6303	9.4	24

151	Hollow copper sulfide nanocubes as multifunctional nanozymes for colorimetric detection of dopamine and electrochemical detection of glucose. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 141, 111450	11.8	74
150	Fluorometric determination of copper(II) by using 3-aminophenylboronic acid-functionalized CdTe quantum dot probes. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 392	5.8	11
149	Modulating an in situ fluorogenic reaction for the label-free ratiometric detection of biothiols. <i>Analyst, The</i> , <b>2019</b> , 144, 4520-4525	5	6
148	One-pot synthesis of AuNCs-MnO <sub>2</sub> nanoflakes with peroxidase-like characteristics for pyrophosphatase detection based on Exonuclease III and Cu <sup>2+</sup> -DNAzymes dual-amplified strategy. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 291, 451-457	8.5	9
147	A label-free ratiometric fluorescence nanoprobe for ascorbic acid based on redox-modulated dual-emission signals. <i>Analyst, The</i> , <b>2019</b> , 144, 3511-3517	5	6
146	An aptamer-based hook-effect-recognizable three-line lateral flow biosensor for rapid detection of thrombin. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 133, 177-182	11.8	25
145	Enhanced electrochemiluminescence of gold nanoclusters via silver doping and their application for ultrasensitive detection of dopamine. <i>Analyst, The</i> , <b>2019</b> , 144, 2643-2648	5	18
144	A synergistic approach to enhance the photoelectrochemical performance of carbon dots for molecular imprinting sensors. <i>Nanoscale</i> , <b>2019</b> , 11, 7885-7892	7.7	17
143	Oxidation-controlled synthesis of fluorescent polydopamine for the detection of metal ions. <i>Microchemical Journal</i> , <b>2019</b> , 147, 176-182	4.8	2
142	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> , <b>2019</b> , 199, 178-183	6.2	34
141	Biomimetic mineralisation of eggshell membrane featuring natural nanofiber network structure for improving its osteogenic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 179, 299-308	6	15
140	Well-ordered chitin whiskers layer with high stability on the surface of poly(d,l-lactide) film for enhancing mechanical and osteogenic properties. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 277-288	10.3	15
139	Construction of an ultrasensitive electrochemiluminescent aptasensor for ractopamine detection. <i>Analyst, The</i> , <b>2019</b> , 144, 2550-2555	5	11
138	Au-Luminol-decorated porous carbon nanospheres for the electrochemiluminescence biosensing of MUC1. <i>Nanoscale</i> , <b>2019</b> , 11, 16860-16867	7.7	11
137	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> , <b>2019</b> , 171, 107722	4.6	10
136	Synergistic effect of functionalized poly(l-lactide) with surface-modified MgO and chitin whiskers on osteogenesis in vivo and in vitro. <i>Materials Science and Engineering C</i> , <b>2019</b> , 103, 109851	8.3	6
135	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> , <b>2019</b> , 142, 111532	11.8	10
134	Ratiometric electrochemical biosensor based on Exo III-Assisted recycling amplification for the detection of CAG trinucleotide repeats. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 142, 111537	11.8	9

133	Fluorescent-Magnetic-Catalytic Nanospheres for Dual-Modality Detection of H9N2 Avian Influenza Virus. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41148-41156	9.5	20
132	A ratiometric fluorometric epinephrine and norepinephrine assay based on carbon dot and CdTe quantum dots nanocomposites. <i>Microchemical Journal</i> , <b>2019</b> , 146, 66-72	4.8	10
131	The liquid crystalline order, rheology and their correlation in chitin whiskers suspensions. <i>Carbohydrate Polymers</i> , <b>2019</b> , 209, 92-100	10.3	8
130	Construction of a novel far-red fluorescence light-up probe for visualizing intracellular peroxynitrite. <i>Talanta</i> , <b>2019</b> , 197, 431-435	6.2	20
129	Electrochemiluminescent sensor based on Ru(bpy) <sub>3</sub> <sup>2+</sup> -doped silica nanoprobe by incorporating a new co-reactant NBD-amine for selective detection of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 284, 451-455	8.5	15
128	Molecularly imprinted photoelectrochemical sensor for fumonisin B based on GO-CdS heterojunction. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 127, 57-63	11.8	52
127	Applying strand displacement amplification to quantum dots-based fluorescent lateral flow assay strips for HIV-DNA detection. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 105, 211-217	11.8	81
126	Electrochemiluminescent aptasensor based on Cyclodextrin/graphitic carbon nitride composite for highly selective and ultrasensitive assay of platelet derived growth factor BB. <i>Carbon</i> , <b>2018</b> , 130, 416-423	10.4	19
125	A turn-on fluorescent probe for simultaneous sensing of cysteine/homocysteine and hydrogen sulfide and its bioimaging applications. <i>Talanta</i> , <b>2018</b> , 187, 19-26	6.2	21
124	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> , <b>2018</b> , 266, 528-533	8.5	33
123	Construction of Highly Efficient Resonance Energy Transfer Platform Inside a Nanosphere for Ultrasensitive Electrochemiluminescence Detection. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5075-5081	7.8	53
122	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> , <b>2018</b> , 99, 28-33	11.8	99
121	Hybrids of Fe <sub>3</sub> O <sub>4</sub> /CoSe <sub>2</sub> as efficient electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 1123-1134	4.3	5
120	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> , <b>2018</b> , 255, 2170-2178	8.5	12
119	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> , <b>2018</b> , 118, 174-180	11.8	25
118	Fabrication, antibacterial activity and cytocompatibility of quaternary ammonium chitoooligosaccharide functionalized polyurethane membrane via polydopamine adhesive layer. <i>Materials Science and Engineering C</i> , <b>2018</b> , 93, 319-331	8.3	6
117	Recent progress in biosensors based on organic-inorganic hybrid nanoflowers. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 120, 175-187	11.8	48
116	Modulation of the optical color of Au nanoclusters and its application in ratiometric photoluminescence detection. <i>Chemical Communications</i> , <b>2018</b> , 54, 10467-10470	5.8	9

115	A novel ratiometric fluorescence nanoprobe based on aggregation-induced emission of silver nanoclusters for the label-free detection of biothiols. <i>Talanta</i> , <b>2018</b> , 188, 623-629	6.2	21
114	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> , <b>2018</b> , 129, 29-37	10.4	57
113	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. <i>Materials Today</i> , <b>2018</b> , 21, 164-177	21.8	104
112	A Nanozyme- and Ambient Light-Based Smartphone Platform for Simultaneous Detection of Dual Biomarkers from Exposure to Organophosphorus Pesticides. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7391-7398	7.8	88
111	A novel electrochemical method based on screen-printed electrodes and magnetic beads for detection of trinucleotide repeat sequence d(CAG) <sub>n</sub> . <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9757-9763	3.6	5
110	A novel ratiometric fluorescent probe for selective detection of bisulfite in living cells. <i>RSC Advances</i> , <b>2017</b> , 7, 2573-2577	3.7	29
109	Rtfc (4931414P19Rik) Regulates in vitro Thyroid Differentiation and in vivo Thyroid Function. <i>Scientific Reports</i> , <b>2017</b> , 7, 43396	4.9	2
108	A glassy carbon electrode modified with FeS nanosheets as a highly sensitive amperometric sensor for hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1389-1396	5.8	21
107	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> , <b>2017</b> , 27, 1405-1411	2.4	11
106	Electrochemical hydrogen peroxide sensor based on carbon supported Cu@Pt core-shell nanoparticles. <i>Materials Science and Engineering C</i> , <b>2017</b> , 78, 185-190	8.3	25
105	Surface-enhanced molecularly imprinted electrochemiluminescence sensor based on Ru@SiO <sub>2</sub> for ultrasensitive detection of fumonisin B. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 96, 55-61	11.8	59
104	A simple and sensitive fluorometric dopamine assay based on silica-coated CdTe quantum dots. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 3189-3196	5.8	11
103	Discrimination and ultrasensitive detection of $\beta$ -agonists using copper nanoclusters as a fluorescent probe. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 3317-3324	5.8	7
102	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> , <b>2017</b> , 142, 2617-2623	5	20
101	Icariin immobilized electrospinning poly(L-lactide) fibrous membranes via polydopamine adhesive coating with enhanced cytocompatibility and osteogenic activity. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 399-409	8.3	40
100	Synthesis and properties enhancement of metal nanoclusters templated on a biological molecule/ionic liquids complex. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 3766-3772	3.6	2
99	HBT-based turn-on fluorescent probe for discrimination of homocysteine from glutathione/cysteine and its bioimaging applications. <i>RSC Advances</i> , <b>2017</b> , 7, 16387-16391	3.7	11
98	Ultrasensitive electrochemical DNA biosensor based on functionalized gold clusters/graphene nanohybrids coupling with exonuclease III-aided cascade target recycling. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 183-189	11.8	49



97	Fluorescence suppression of MPA stabilized CdTe QDs for direct determination of propranolol. <i>Analytical Methods</i> , <b>2017</b> , 9, 929-936	3.2	7
96	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> , <b>2017</b> , 33, 585-590	1.7	1
95	A 3D-Printed, Portable, Optical-Sensing Platform for Smartphones Capable of Detecting the Herbicide 2,4-Dichlorophenoxyacetic Acid. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9339-9346	7.8	57
94	Synthesis and characterization of a bifunctional nanoprobe for CGG trinucleotide repeat detection. <i>RSC Advances</i> , <b>2017</b> , 7, 36124-36131	3.7	9
93	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> , <b>2017</b> , 799, 327-332	4.1	16
92	Integrated amplified aptasensor with in-situ precise preparation of copper nanoclusters for ultrasensitive electrochemical detection of microRNA 21. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 98, 386-391	11.8	52
91	Ultrasensitive paper based nucleic acid detection realized by three-dimensional DNA-AuNPs network amplification. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 529-535	11.8	45
90	Recent Advances in Electrochemical Immunosensors. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 138-156	7.8	188
89	C14orf93 (RTFC) is identified as a novel susceptibility gene for familial nonmedullary thyroid cancer. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 482, 590-596	3.4	10
88	Synthesis of Pt <sub>x</sub> Sn/MWCNTs and their Application in Non-enzymatic Glucose and Hydrogen Peroxide Sensors. <i>Electroanalysis</i> , <b>2017</b> , 29, 730-738	3	7
87	Voltammetric determination of levofloxacin using a glassy carbon electrode modified with poly(o-aminophenol) and graphene quantum dots. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 127-135	5.8	36
86	Synthesis of tremella-like CoS and its application in sensing of hydrogen peroxide and glucose. <i>Materials Science and Engineering C</i> , <b>2017</b> , 70, 430-437	8.3	46
85	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> , <b>2017</b> , 239, 988-992	8.5	15
84	Deferoxamine immobilized poly(D,L-lactide) membrane via polydopamine adhesive coating: The influence on mouse embryo osteoblast precursor cells and human umbilical vein endothelial cells. <i>Materials Science and Engineering C</i> , <b>2017</b> , 70, 701-709	8.3	12
83	Production of MoS <sub>2</sub> /CoSe <sub>2</sub> hybrids and their performance as oxygen reduction reaction catalysts. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 3188-3198	4.3	12
82	Antibacterial activity and cytocompatibility of chitooligosaccharide-modified polyurethane membrane via polydopamine adhesive layer. <i>Carbohydrate Polymers</i> , <b>2017</b> , 156, 235-243	10.3	47
81	Heteroatoms doped C <sub>3</sub> N <sub>4</sub> as high performance catalysts for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 20579-20588	6.7	27
80	Enzyme catalytic amplification of miRNA-155 detection with graphene quantum dot-based electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 451-6	11.8	132

79	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> , <b>2016</b> , 222, 264-269	8.5	41
78	An electrochemical impedance sensor for simple and specific recognition of G <sub>T</sub> mismatches in DNA. <i>Analytical Methods</i> , <b>2016</b> , 8, 7413-7419	3.2	11
77	A convenient purification method for silver nanoclusters and its applications in fluorescent pH sensors for bacterial monitoring. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 164-168	11.8	35
76	Dopamine assay based on an aggregation-induced reversed inner filter effect of gold nanoparticles on the fluorescence of graphene quantum dots. <i>Talanta</i> , <b>2016</b> , 158, 292-298	6.2	31
75	Label-free and dual-amplified electrochemical detection of Hg <sup>2+</sup> based on self-assembled DNA nanostructures and target-triggered exonuclease cleavage activity. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6686-6691	3.6	16
74	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> , <b>2016</b> , 79, 522-30	11.8	32
73	Highly sensitive amperometric biosensor based on electrochemically-reduced graphene oxide-chitosan/hemoglobin nanocomposite for nitromethane determination. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 894-900	11.8	52
72	Nicking endonuclease-assisted recycling of target-aptamer complex for sensitive electrochemical detection of adenosine triphosphate. <i>Analyst, The</i> , <b>2016</b> , 141, 1506-11	5	16
71	AlN-based film buck acoustic resonator operated in shear mode for detection of carcinoembryonic antigens. <i>RSC Advances</i> , <b>2016</b> , 6, 4908-4913	3.7	14
70	Enhanced electrochemiluminescence of RuSi nanoparticles for ultrasensitive detection of ochratoxin A by energy transfer with CdTe quantum dots. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 561-7	11.8	48
69	Surface protein imprinted magnetic nanoparticles for specific recognition of bovine hemoglobin. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 564-570	3.6	22
68	Electrochemical Sensor for Detection of Glucose Based on Ni@Pt Core-shell Nanoparticles Supported on Carbon. <i>Electroanalysis</i> , <b>2016</b> , 28, 671-678	3	9
67	Lanthanide-Doped Nanoparticles with Near-Infrared-to-Near-Infrared Luminescence for Bioimaging. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 558-569	4.9	11
66	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> , <b>2016</b> , 83, 142-8	11.8	59
65	Sensing nitrite with a glassy carbon electrode modified with a three-dimensional network consisting of Ni <sub>7</sub> S <sub>6</sub> and multi-walled carbon nanotubes. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 3159-3166	5.8	25
64	Streptavidin Modified ZnO Film Bulk Acoustic Resonator for Detection of Tumor Marker Mucin 1. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 396	5	10
63	Non-enzymatic sensing of glucose at neutral pH values using a glassy carbon electrode modified with carbon supported Co@Pt core-shell nanoparticles. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 1869-1875	5.8	41
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60	An insertion approach electrochemical aptasensor for mucin 1 detection based on exonuclease-assisted target recycling. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 71, 13-17	11.8	55
59	A label-free impedimetric immunosensor for direct determination of the textile dye Disperse Orange 1. <i>Talanta</i> , <b>2015</b> , 142, 183-9	6.2	13
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57	Visual detection of thrombin using a strip biosensor through aptamer-cleavage reaction with enzyme catalytic amplification. <i>Analyst, The</i> , <b>2015</b> , 140, 7710-7	5	28
56	Protein Activity Regulation: Inhibition by Closed-Loop Aptamer-Based Structures and Restoration by Near-IR Stimulation. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10576-84	16.4	59
55	A biosensor based on a film bulk acoustic resonator and biotin-avidin system for the detection of the epithelial tumor marker mucin 1. <i>RSC Advances</i> , <b>2015</b> , 5, 66355-66359	3.7	22
54	Ultrasensitive Electrochemical Biosensor for HIV Gene Detection Based on Graphene Stabilized Gold Nanoclusters with Exonuclease Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18872-9	9.5	85
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50	A sensitive electrochemical aptasensor for ATP detection based on exonuclease III-assisted signal amplification strategy. <i>Analytica Chimica Acta</i> , <b>2015</b> , 862, 64-9	6.6	36
49	An exonuclease-assisted amplification electrochemical aptasensor of thrombin coupling "signal on/off" strategy. <i>Analytica Chimica Acta</i> , <b>2015</b> , 860, 70-6	6.6	18
48	Simplified aptamer-based colorimetric method using unmodified gold nanoparticles for the detection of carcinoma embryonic antigen. <i>RSC Advances</i> , <b>2015</b> , 5, 10994-10999	3.7	43
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46	Nanomaterial-enhanced paper-based biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 58, 31-39	14.6	146
45	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> , <b>2014</b> , 191, 695-702	8.5	30
44	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> , <b>2014</b> , 61, 598-604	11.8	23

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41	Preparation and application of a novel electrochemical sensing material based on surface chemistry of polyhydroquinone. <i>Materials Science and Engineering C</i> , <b>2014</b> , 40, 9-15	8.3	6
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39	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> , <b>2014</b> , 53, 384-9	11.8	118
38	A Novel Electrochemical Sensor for $\alpha$ -Agonists with High Sensitivity and Selectivity Based on Surface Molecularly Imprinted Sol-gel Doped with Antimony-Doped Tin Oxide. <i>Electroanalysis</i> , <b>2014</b> , 26, 1004-1012	3	13
37	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> , <b>2013</b> , 758, 66-71	6.6	70
36	In vivo monitoring of oxidative burst on aloe under salinity stress using hemoglobin and single-walled carbon nanotubes modified carbon fiber ultramicroelectrode. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 50, 318-24	11.8	25
35	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> , <b>2013</b> , 188, 741-746	8.5	4
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32	Facile fabrication of TiO <sub>2</sub> -based composites with tunable properties and improved performance through a general and controllable method. <i>RSC Advances</i> , <b>2013</b> , 3, 4880	3.7	3
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20	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> , <b>2012</b> , 174, 202-209	8.5	42
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18	Electrochemical detection of in situ DNA damage induced by enzyme-catalyzed Fenton reaction. Part I: in phosphate buffer solution. <i>Mikrochimica Acta</i> , <b>2012</b> , 178, 37-43	5.8	12
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12	Electrochemical study of Aloe-emodin on an ionic liquid-type carbon paste electrode. <i>Mikrochimica Acta</i> , <b>2010</b> , 169, 255-260	5.8	7
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10	Electrochemical Behavior of Herbal Antitumor Drug Aloe-Emodin at Carbon-Coated Nickel Magnetic Nanoparticles Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , <b>2010</b> , 22, 2658-2664	3	3
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