

Wei Wen

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.

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	Recent advances in electrochemical sensing for hydrogen peroxide: a review. <i>Analyst, The</i> , 2012 , 137, 49-58	5	720
185	Aptamer-functionalized gold nanoparticles as probes in a dry-reagent strip biosensor for protein analysis. <i>Analytical Chemistry</i> , 2009 , 81, 669-75	7.8	257
184	Amperometric tyrosinase biosensor based on Fe ₃ O ₄ nanoparticles-chitosan nanocomposite. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1781-7	11.8	192
183	Recent Advances in Electrochemical Immunosensors. <i>Analytical Chemistry</i> , 2017 , 89, 138-156	7.8	188
182	Nanomaterial-enhanced paper-based biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 58, 31-39	14.6	146
181	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
180	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
179	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. <i>Materials Today</i> , 2018 , 21, 164-177	21.8	104
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	A Nanozyme- and Ambient Light-Based Smartphone Platform for Simultaneous Detection of Dual Biomarkers from Exposure to Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018 , 90, 7391-7398	7.8	88
176	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
175	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
174	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
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	Application of nanomaterials in the bioanalytical detection of disease-related genes. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 113-33	11.8	61
170	Surface-enhanced molecularly imprinted electrochemiluminescence sensor based on Ru@SiO ₂ for ultrasensitive detection of fumonisin B. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 55-61	11.8	59

169	Protein Activity Regulation: Inhibition by Closed-Loop Aptamer-Based Structures and Restoration by Near-IR Stimulation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10576-84	16.4	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	Direct electrochemistry and electrocatalysis of heme proteins on SWCNTs-CTAB modified electrodes. <i>Talanta</i> , 2009 , 77, 1343-50	6.2	58
166	A 3D-Printed, Portable, Optical-Sensing Platform for Smartphones Capable of Detecting the Herbicide 2,4-Dichlorophenoxyacetic Acid. <i>Analytical Chemistry</i> , 2017 , 89, 9339-9346	7.8	57
165	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
164	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
163	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
162	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
161	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
160	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
159	Molecularly imprinted photoelectrochemical sensor for fumonisin B based on GO-CdS heterojunction. <i>Biosensors and Bioelectronics</i> , 2019 , 127, 57-63	11.8	52
158	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
157	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
156	Recent progress in biosensors based on organic-inorganic hybrid nanoflowers. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 175-187	11.8	48
155	Antibacterial activity and cytocompatibility of chitooligosaccharide-modified polyurethane membrane via polydopamine adhesive layer. <i>Carbohydrate Polymers</i> , 2017 , 156, 235-243	10.3	47
154	Synthesis of tremella-like CoS and its application in sensing of hydrogen peroxide and glucose. <i>Materials Science and Engineering C</i> , 2017 , 70, 430-437	8.3	46
153	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
152	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

151	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
150	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
149	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> , 2015 , 182, 1869-1875	5.8	41
148	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> , 2017 , 79, 399-409	8.3	40
147	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
146	Nanomaterials-based electrochemical sensors for nitric oxide. <i>Mikrochimica Acta</i> , 2015 , 182, 455-467	5.8	39
145	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
144	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
143	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
142	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
141	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
140	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
139	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
138	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
137	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
136	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
135	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
134	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	8.5	31

133	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
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	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
129	Heteroatoms doped C ₃ N ₄ as high performance catalysts for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 20579-20588	6.7	27
128	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
127	Electrochemical hydrogen peroxide sensor based on carbon supported Cu@Pt core-shell nanoparticles. <i>Materials Science and Engineering C</i> , 2017 , 78, 185-190	8.3	25
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	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> , 2013 , 50, 318-24	11.8	25
122	Sensing nitrite with a glassy carbon electrode modified with a three-dimensional network consisting of Ni ₇ S ₆ and multi-walled carbon nanotubes. <i>Mikrochimica Acta</i> , 2016 , 183, 3159-3166	5.8	25
121	Organic-inorganic nanoparticles molecularly imprinted photoelectrochemical sensor for B ₁₂ based on p-type polymer dots and n-CdS heterojunction. <i>Analytica Chimica Acta</i> , 2019 , 1059, 94-102	6.6	24
120	Construction of a flexible electrochemiluminescence platform for sweat detection. <i>Chemical Science</i> , 2019 , 10, 6295-6303	9.4	24
119	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
118	Yttrium Oxide Nanoparticle Synthesis: An Overview of Methods of Preparation and Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2172	2.6	24
117	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
116	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

115	In Vivo Electrochemical Biosensors for Reactive Oxygen Species Detection: A Mini-Review. <i>Analytical Letters</i> , 2012 , 45, 156-167	2.2	23
114	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> , 2015 , 5, 66355-66359	3.7	22
113	Surface protein imprinted magnetic nanoparticles for specific recognition of bovine hemoglobin. <i>New Journal of Chemistry</i> , 2016 , 40, 564-570	3.6	22
112	Quantitative Immunochromatographic Strip Biosensor for the Detection of Carcinoembryonic Antigen Tumor Biomarker in Human Plasma. <i>American Journal of Biomedical Sciences</i> , 70-79		22
111	A glassy carbon electrode modified with FeS nanosheets as a highly sensitive amperometric sensor for hydrogen peroxide. <i>Mikrochimica Acta</i> , 2017 , 184, 1389-1396	5.8	21
110	A turn-on fluorescent probe for simultaneous sensing of cysteine/homocysteine and hydrogen sulfide and its bioimaging applications. <i>Talanta</i> , 2018 , 187, 19-26	6.2	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	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
104	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
103	Characterization and sensing properties of a carbon nanotube paste electrode for acetaminophen. <i>Mikrochimica Acta</i> , 2009 , 167, 129-133	5.8	19
102	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
101	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
100	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
99	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, 1612-1622 ¹⁷		17
98	Electrochemical immunoassay of carcinoembryonic antigen based on a lead sulfide nanoparticle label. <i>Nanotechnology</i> , 2008 , 19, 435501	3.4	17

97	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
96	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
95	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
94	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
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> , 2017 , 799, 327-332	4.1	16
92	Differential Pulse Voltammetric Determination of Uric Acid on Carbon-Coated Iron Nanoparticle Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2008 , 20, 1116-1120	3	16
91	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
90	Biomimetic mineralisation of eggshell membrane featuring natural nanofiber network structure for improving its osteogenic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 179, 299-308	6	15
89	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> , 2019 , 212, 277-288	10.3	15
88	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
87	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
86	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
85	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
84	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
83	AlN-based film buck acoustic resonator operated in shear mode for detection of carcinoembryonic antigens. <i>RSC Advances</i> , 2016 , 6, 4908-4913	3.7	14
82	A label-free impedimetric immunosensor for direct determination of the textile dye Disperse Orange 1. <i>Talanta</i> , 2015 , 142, 183-9	6.2	13
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	Ultrasensitive electrochemical assay of hydrogen peroxide and glucose based on PtNi alloy decorated MWCNTs. <i>RSC Advances</i> , 2015 , 5, 102877-102884	3.7	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	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
75	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> , 2017 , 70, 701-709	8.3	12
74	Production of MoS ₂ /CoSe ₂ hybrids and their performance as oxygen reduction reaction catalysts. <i>Journal of Materials Science</i> , 2017 , 52, 3188-3198	4.3	12
73	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
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 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	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
60	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
59	Lanthanide-Doped Nanoparticles with Near-Infrared-to-Near-Infrared Luminescence for Bioimaging. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 558-569	4.9	11
58	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
57	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
56	Nitromethane biosensor based on four heme proteins modified glassy carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 674, 17-22	4.1	10
55	C14orf93 (RTFC) is identified as a novel susceptibility gene for familial nonmedullary thyroid cancer. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 482, 590-596	3.4	10
54	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
53	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> , 2020 , 12, 18225-18239	7.7	10
52	Single-Particle Electrochemical Biosensor with DNA Walker Amplification for Ultrasensitive HIV-DNA Counting. <i>Analytical Chemistry</i> , 2021 , 93, 4506-4512	7.8	10
51	Streptavidin Modified ZnO Film Bulk Acoustic Resonator for Detection of Tumor Marker Mucin 1. <i>Nanoscale Research Letters</i> , 2016 , 11, 396	5	10
50	A ratiometric fluorometric epinephrine and norepinephrine assay based on carbon dot and CdTe quantum dots nanocomposites. <i>Microchemical Journal</i> , 2019 , 146, 66-72	4.8	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
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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	Liquid crystalline and rheological properties of chitin whiskers with different chemical structures and chargeability. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 24-35	7.9	8
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39	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
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32	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
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19	Simple MoS ₂ -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
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6	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
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4	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
3	Sustainable fabrication of ultralong Pb(OH)Br nanowires and their conversion to luminescent CH ₃ NH ₃ PbBr ₃ nanowires. <i>Green Chemistry</i> ,	10	0
2	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> , 2022 , 123116	3.3	0
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