

Huanshun Yin

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.

150
papers

5,100
citations

40
h-index

63
g-index

152
ext. papers

5,755
ext. citations

7.7
avg, IF

5.99
L-index

#	Paper	IF	Citations
150	Electrochemical behavior of catechol, resorcinol and hydroquinone at graphene-chitosan composite film modified glassy carbon electrode and their simultaneous determination in water samples. <i>Electrochimica Acta</i> , 2011 , 56, 2748-2753	6.7	314
149	Electrochemical determination of microRNA-21 based on graphene, LNA integrated molecular beacon, AuNPs and biotin multifunctional bio bar codes and enzymatic assay system. <i>Biosensors and Bioelectronics</i> , 2012 , 33, 247-53	11.8	165
148	Electrochemical oxidation behavior of guanine and adenine on graphene-Nafion composite film modified glassy carbon electrode and the simultaneous determination. <i>Process Biochemistry</i> , 2010 , 45, 1707-1712	4.8	160
147	Amperometric biosensor based on tyrosinase immobilized onto multiwalled carbon nanotubes-cobalt phthalocyanine-silk fibroin film and its application to determine bisphenol A. <i>Analytica Chimica Acta</i> , 2010 , 659, 144-50	6.6	152
146	Electrochemical oxidative determination of 4-nitrophenol based on a glassy carbon electrode modified with a hydroxyapatite nanopowder. <i>Mikrochimica Acta</i> , 2010 , 169, 87-92	5.8	138
145	Enhanced Photoelectrochemical Method for Sensitive Detection of Protein Kinase A Activity Using TiO ₂ /g-CN, PAMAM Dendrimer, and Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2017 , 89, 2369-2376	7.8	129
144	Electrochemical determination of bisphenol A at MgAl ₂ O ₃ layered double hydroxide modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2010 , 55, 603-610	6.7	121
143	Sensitivity and selectivity determination of BPA in real water samples using PAMAM dendrimer and CoTe quantum dots modified glassy carbon electrode. <i>Journal of Hazardous Materials</i> , 2010 , 174, 236-43	12.8	97
142	One-step, ultrasensitive, and electrochemical assay of microRNAs based on T7 exonuclease assisted cyclic enzymatic amplification. <i>Analytical Chemistry</i> , 2014 , 86, 5606-10	7.8	94
141	Electrocatalytic oxidation behavior of guanosine at graphene, chitosan and Fe ₃ O ₄ nanoparticles modified glassy carbon electrode and its determination. <i>Talanta</i> , 2010 , 82, 1193-9	6.2	94
140	Electrochemical behaviour of Sudan I at Fe ₃ O ₄ nanoparticles modified glassy carbon electrode and its determination in food samples. <i>Food Chemistry</i> , 2011 , 127, 1348-53	8.5	89
139	Photoelectrochemical biosensor for microRNA detection based on a MoS ₂ /g-CN/black TiO ₂ heterojunction with Histostar@AuNPs for signal amplification. <i>Biosensors and Bioelectronics</i> , 2019 , 128, 137-143	11.8	85
138	Electrochemical immunosensing platform for DNA methyltransferase activity analysis and inhibitor screening. <i>Analytical Chemistry</i> , 2012 , 84, 9072-8	7.8	84
137	A new strategy for methylated DNA detection based on photoelectrochemical immunosensor using Bi ₂ S ₃ nanorods, methyl bonding domain protein and anti-his tag antibody. <i>Biosensors and Bioelectronics</i> , 2014 , 51, 103-8	11.8	82
136	Signal-on photoelectrochemical biosensor for microRNA detection based on Bi ₂ S ₃ nanorods and enzymatic amplification. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 232-7	11.8	73
135	An electrochemical signal Off-on sensing platform for microRNA detection. <i>Analyst, The</i> , 2012 , 137, 1389-95	5	69
134	Voltammetric sensing of paracetamol, dopamine and 4-aminophenol at a glassy carbon electrode coated with gold nanoparticles and an organophilic layered double hydroxide. <i>Mikrochimica Acta</i> , 2011 , 175, 39-46	5.8	66

133	Electrochemical behavior of bisphenol A at glassy carbon electrode modified with gold nanoparticles, silk fibroin, and PAMAM dendrimers. <i>Mikrochimica Acta</i> , 2010 , 170, 99-105	5.8	66
132	Photoelectrochemical immunosensor for methylated RNA detection based on g-CN/CdS quantum dots heterojunction and Phos-tag-biotin. <i>Biosensors and Bioelectronics</i> , 2017 , 95, 124-130	11.8	60
131	Ultrasensitive electrochemiluminescence immunosensor for 5-hydroxymethylcytosine detection based on FeO@SiO nanoparticles and PAMAM dendrimers. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 660-666	11.8	60
130	Electrochemical determination of microRNA-21 based on bio bar code and hemin/G-quadruplet DNAenzyme. <i>Analyt, The</i> , 2013 , 138, 3409-15	5	59
129	A signal "on" photoelectrochemical biosensor for assay of protein kinase activity and its inhibitor based on graphite-like carbon nitride, Phos-tag and alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 462-8	11.8	58
128	Ultrasensitive photoelectrochemical immunoassay of indole-3-acetic acid based on the MPA modified CdS/RGO nanocomposites decorated ITO electrode. <i>Biosensors and Bioelectronics</i> , 2014 , 51, 164-9	11.8	56
127	Photoelectrochemical immunosensor for microRNA detection based on gold nanoparticles-functionalized g-C3N4 and anti-DNA:RNA antibody. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 1119-1126	8.5	55
126	DNA methyltransferase activity assay based on visible light-activated photoelectrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 263-7	11.8	52
125	Electrochemical oxidation behavior of bisphenol A at surfactant/layered double hydroxide modified glassy carbon electrode and its determination. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 167-173	2.6	50
124	A novel signal-on strategy for M.Sssl methyltransferase activity analysis and inhibitor screening based on photoelectrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 109-14	11.8	49
123	An electrochemical assay for DNA methylation, methyltransferase activity and inhibitor screening based on methyl binding domain protein. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 492-7	11.8	49
122	Aptamer-based photoelectrochemical biosensor for antibiotic detection using ferrocene modified DNA as both aptamer and electron donor. <i>Sensors and Actuators B: Chemical</i> , 2018 , 266, 514-521	8.5	48
121	Evaluation of DNA damage and antioxidant capacity of sericin by a DNA electrochemical biosensor based on dendrimer-encapsulated Au-Pd/chitosan composite. <i>Mikrochimica Acta</i> , 2010 , 168, 347-354	5.8	48
120	Effective signal-on photoelectrochemical immunoassay of subgroup J avian leukosis virus based on Bi2S3 nanorods as photosensitizer and in situ generated ascorbic acid for electron donating. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 237-43	11.8	46
119	Electrochemical determination of theophylline in foodstuff, tea and soft drinks based on urchin-like CdSe microparticles modified glassy carbon electrode. <i>Food Chemistry</i> , 2012 , 134, 1225-30	8.5	46
118	Two-stage cyclic enzymatic amplification method for ultrasensitive electrochemical assay of microRNA-21 in the blood serum of gastric cancer patients. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 307-12	11.8	45
117	Recent advances on signal amplification strategies in photoelectrochemical sensing of microRNAs. <i>Biosensors and Bioelectronics</i> , 2020 , 166, 112476	11.8	45
116	Electrochemical biosensor for microRNA detection based on poly(U) polymerase mediated isothermal signal amplification. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 79-85	11.8	44

115	Photoelectrochemical immunosensing platform for M. Sssl methyltransferase activity analysis and inhibitor screening based on g-C3N4 and CdS quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017 , 244, 458-465	8.5	43
114	Electrochemical immunosensor for N6-methyladenosine detection in human cell lines based on biotin-streptavidin system and silver-SiO signal amplification. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 494-500	11.8	43
113	Amplified electrochemical microRNA biosensor using a hemin-G-quadruplex complex as the sensing element. <i>RSC Advances</i> , 2012 , 2, 7140	3.7	42
112	Photoelectrochemical apta-biosensor for zeatin detection based on graphene quantum dots improved photoactivity of graphite-like carbon nitride and streptavidin induced signal inhibition. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 237-244	8.5	41
111	A sensitive electrochemical biosensor for detection of protein kinase A activity and inhibitors based on Phos-tag and enzymatic signal amplification. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 26-32	11.8	40
110	Electrochemical oxidation determination and voltammetric behaviour of 4-nitrophenol based on Cu2O nanoparticles modified glassy carbon electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 742-754	1.8	40
109	A glassy carbon electrode modified with graphene and tyrosinase immobilized on platinum nanoparticles for sensing organophosphorus pesticides. <i>Mikrochimica Acta</i> , 2011 , 175, 129-135	5.8	40
108	A novel electrochemical immunosensor for the quantitative detection of 5-hydroxymethylcytosine in genomic DNA of breast cancer tissue. <i>Chemical Communications</i> , 2015 , 51, 14671-3	5.8	38
107	Photoelectrochemical biosensor for 5hmC detection based on the photocurrent inhibition effect of ZnO on MoS/CN heterojunction. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111516	11.8	38
106	Electrochemical biosensor for protein kinase A activity assay based on gold nanoparticles-carbon nanospheres, phos-tag-biotin and β -galactosidase. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 508-515	11.8	38
105	Dual-signal amplified photoelectrochemical biosensor for detection of N-methyladenosine based on BiVO-110-TiO heterojunction, Ag-mediated cytosine pairs. <i>Biosensors and Bioelectronics</i> , 2018 , 108, 89-96	11.8	37
104	Photoelectrochemical biosensor for hydroxymethylated DNA detection and T4- β -glucosyltransferase activity assay based on WS nanosheets and carbon dots. <i>Biosensors and Bioelectronics</i> , 2019 , 127, 38-44	11.8	37
103	Electrochemical, electrochemiluminescent and photoelectrochemical bioanalysis of epigenetic modifiers: A comprehensive review. <i>Coordination Chemistry Reviews</i> , 2020 , 424, 213519	23.2	36
102	A sensitive photoelectrochemical immunoassay of N-methyladenosine based on dual-signal amplification strategy: Ru doped in SiO nanosphere and carboxylated g-CN. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 281-288	11.8	35
101	One-step "green" preparation of graphene nanosheets and carbon nanospheres mixture by electrolyzing graphite rob and its application for glucose biosensing. <i>Biosensors and Bioelectronics</i> , 2011 , 30, 112-7	11.8	35
100	A novel electrochemiluminescence biosensor for the detection of 5-methylcytosine, TET 1 protein and β -glucosyltransferase activities based on gold nanoclusters-H2O2 system. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 144-151	8.5	34
99	Photoelectrochemical biosensing platform for microRNA detection based on in situ producing electron donor from apoferritin-encapsulated ascorbic acid. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 175-81	11.8	34
98	Ultrasensitive electrochemical immunoassay for DNA methyltransferase activity and inhibitor screening based on methyl binding domain protein of MeCP2 and enzymatic signal amplification. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 39-45	11.8	34

97	A novel photoelectrochemical biosensor for the sensitive detection of dual microRNAs using molybdenum carbide nanotubes as nanocarriers and energy transfer between CQDs and AuNPs. <i>Chemical Engineering Journal</i> , 2019 , 365, 351-357	14.7	33
96	MicroRNA-21 detection based on molecular switching by amperometry. <i>New Journal of Chemistry</i> , 2012 , 36, 1985	3.6	33
95	Sensitive voltammetric determination of rutin in pharmaceuticals, human serum, and traditional Chinese medicines using a glassy carbon electrode coated with graphene nanosheets, chitosan, and a poly(amido amine) dendrimer. <i>Mikrochimica Acta</i> , 2011 , 173, 337-345	5.8	33
94	A novel signal-on photoelectrochemical biosensor for detection of 5-hydroxymethylcytosine based on in situ electron donor producing strategy and all wavelengths of light irradiation. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 621-625	8.5	32
93	Electrochemical aptasensor for ampicillin detection based on the protective effect of aptamer-antibiotic conjugate towards DpnII and Exo III digestion. <i>Talanta</i> , 2019 , 197, 42-48	6.2	32
92	Electrochemical aptasensing strategy for kanamycin detection based on target-triggered single-strand DNA adsorption on MoS ₂ nanosheets and enzymatic signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126664	8.5	31
91	Signal-on electrochemiluminescence biosensor for microRNA-319a detection based on two-stage isothermal strand-displacement polymerase reaction. <i>Biosensors and Bioelectronics</i> , 2018 , 107, 34-39	11.8	30
90	DNA methyltransferase detection based on digestion triggering the combination of poly adenine DNA with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 74-78	11.8	30
89	Fluorometric determination of microRNA based on strand displacement amplification and rolling circle amplification. <i>Mikrochimica Acta</i> , 2017 , 184, 4359-4365	5.8	30
88	Photoelectrochemical Biosensor for DNA Formylation Detection in Genomic DNA of Maize Seedlings Based on Black TiO ₂ -Enhanced Photoactivity of MoS ₂ /WS ₂ Heterojunction. <i>ACS Sensors</i> , 2020 , 5, 1092-1101	9.2	29
87	Polydopamine-sensitized WS ₂ /black-TiO ₂ heterojunction for histone acetyltransferase detection with enhanced visible-light-driven photoelectrochemical activity. <i>Chemical Engineering Journal</i> , 2020 , 393, 124707	14.7	29
86	Electrochemical immunosensor for DNA methyltransferase activity assay based on methyl CpG-binding protein and dual gold nanoparticle conjugate-based signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 143-149	8.5	29
85	Electrochemical biosensor for detection of DNA hydroxymethylation based on glycosylation and alkaline phosphatase catalytic signal amplification. <i>Electrochimica Acta</i> , 2015 , 174, 647-652	6.7	26
84	Electrochemical immunosensor for N ⁶ -methyladenosine RNA modification detection. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 1-6	8.5	26
83	Photoelectrochemical immunosensor for N-methyladenine detection based on Ru@UiO-66, BiO and Black TiO ₂ . <i>Biosensors and Bioelectronics</i> , 2019 , 131, 163-170	11.8	26
82	Photoelectrochemical biosensor for protein kinase A detection based on carbon microspheres, peptide functionalized Au-ZIF-8 and TiO ₂ /g-CN. <i>Talanta</i> , 2019 , 196, 197-203	6.2	25
81	Aptamer based voltammetric determination of ampicillin using a single-stranded DNA binding protein and DNA functionalized gold nanoparticles. <i>Mikrochimica Acta</i> , 2017 , 185, 68	5.8	25
80	An ultrasensitive electrochemical immunosensor platform with double signal amplification for indole-3-acetic acid determinations in plant seeds. <i>Analyst, The</i> , 2013 , 138, 1851-7	5	25

79	Investigation of the effect of phytohormone on the expression of microRNA-159a in Arabidopsis thaliana seedlings based on mimic enzyme catalysis systematic electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 244-50	11.8	25
78	Photoelectrochemical detection of 5-hydroxymethylcytosine in genomic DNA based on M. HhaI methyltransferase catalytic covalent bonding. <i>Chemical Engineering Journal</i> , 2019 , 357, 94-102	14.7	25
77	Electrochemical detection of protein kinase activity based on carboxypeptidase Y digestion triggered signal amplification. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 77-83	11.8	24
76	Photoelectrochemical biosensor for HEN1 RNA methyltransferase detection using peroxidase mimics PtCu NFs and poly(U) polymerase-mediated RNA extension. <i>Biosensors and Bioelectronics</i> , 2018 , 103, 32-38	11.8	24
75	A Phos-tag-based photoelectrochemical biosensor for assay of protein kinase activity and inhibitors. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 728-734	8.5	23
74	Photoelectrochemical biosensor for histone acetyltransferase detection based on ZnO quantum dots inhibited photoactivity of BiOI nanoflower. <i>Sensors and Actuators B: Chemical</i> , 2020 , 307, 127633	8.5	23
73	Tungsten disulfide (WS) nanosheet-based photoelectrochemical aptasensing of chloramphenicol. <i>Mikrochimica Acta</i> , 2018 , 185, 453	5.8	23
72	A novel photoelectrochemical biosensor for protein kinase activity assay based on phosphorylated graphite-like carbon nitride. <i>Analytica Chimica Acta</i> , 2016 , 934, 36-43	6.6	22
71	Visible-light induced photoelectrochemical biosensor for the detection of microRNA based on Bi ₂ S ₃ nanorods and streptavidin on an ITO electrode. <i>Mikrochimica Acta</i> , 2015 , 182, 241-248	5.8	22
70	Electrochemical biosensor for hydroxymethylated DNA detection and β -glucosyltransferase activity assay based on enzymatic catalysis triggering signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 602-608	8.5	21
69	Electrochemical oxidation behavior of 2,4-dinitrophenol at hydroxylapatite film-modified glassy carbon electrode and its determination in water samples. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 75-82	2.6	21
68	Label-free, Ultrasensitive and Electrochemical Immunosensing Platform for microRNA Detection Using Anti-DNA:RNA Hybrid Antibody and Enzymatic Signal Amplification. <i>Electrochimica Acta</i> , 2015 , 165, 130-135	6.7	20
67	Electrochemical biosensors for polynucleotide kinase activity assay and inhibition screening based on phosphorylation reaction triggered Exonuclease and exonuclease I cleavage. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 151-157	8.5	20
66	Electrochemical biosensing method for the detection of DNA methylation and assay of the methyltransferase activity. <i>Sensors and Actuators B: Chemical</i> , 2013 , 178, 412-417	8.5	19
65	Electrochemical behavior of antipyrine at a Bi ₂ S ₃ modified glassy carbon electrode and its determination in pharmaceutical formulations. <i>Analytical Methods</i> , 2012 , 4, 1736	3.2	19
64	An electrochemical biosensor for assay of DNA methyltransferase activity and screening of inhibitor. <i>Electrochimica Acta</i> , 2013 , 89, 530-536	6.7	19
63	The immobilization of Cytochrome c on MWNT/PAMAM/Chit nanocomposite incorporated with DNA biocomposite film modified glassy carbon electrode for the determination of nitrite. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 1681-1688	2.6	19
62	Preparation of P-g-CN-WS nanocomposite and its application in photoelectrochemical detection of 5-formylcytosine. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 348-357	9.3	19

61	Applications of two-dimensional layered nanomaterials in photoelectrochemical sensors: A comprehensive review. <i>Coordination Chemistry Reviews</i> , 2021 , 447, 214156	23.2	19
60	Enzyme-based electrochemical biosensor for sensitive detection of DNA demethylation and the activity of DNA demethylase. <i>Analytica Chimica Acta</i> , 2014 , 840, 28-32	6.6	18
59	Amperometric biosensor based on tyrosinase immobilized in hydrotalcite-like compounds film for the determination of polyphenols. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 449-456	2.6	18
58	Direct determination of 5-methylcytosine based on electrochemical activation of surfactant functionalized graphene modified pyrolytic graphite electrode. <i>Electrochimica Acta</i> , 2013 , 95, 200-204	6.7	18
57	Electrochemical aptasensor for sulfadimethoxine detection based on the triggered cleavage activity of nuclease P1 by aptamer-target complex. <i>Talanta</i> , 2019 , 204, 409-414	6.2	17
56	G-quadruplex functionalized nano mesoporous silica for assay of the DNA methyltransferase activity. <i>Analytica Chimica Acta</i> , 2015 , 879, 34-40	6.6	17
55	Photoelectrochemical detection of miRNA-319a in rice leaf responding to phytohormones treatment based on CuO-CuWO ₄ and rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1744-1752	8.5	17
54	Electrochemical immunoassay platform for high sensitivity detection of indole-3-acetic acid. <i>Electrochimica Acta</i> , 2013 , 96, 66-73	6.7	17
53	Amperometric nitrite biosensor based on a gold electrode modified with cytochrome c on Nafion and Cu-Mg-Al layered double hydroxides. <i>Mikrochimica Acta</i> , 2010 , 171, 385-392	5.8	17
52	Photoelectrochemical biosensor for highly sensitive detection of microRNA based on duplex-specific nuclease-triggered signal amplification. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 1301-1309	2.6	16
51	Electrochemical biosensor for DNA demethylase detection based on demethylation triggered endonuclease BstUI and Exonuclease III digestion. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 266-70	11.8	16
50	Electrochemical immunoassays for the detection the activity of DNA methyltransferase by using the rolling circle amplification technique. <i>Mikrochimica Acta</i> , 2014 , 181, 471-477	5.8	16
49	Electrochemical determination of nonylphenol based on ionic liquid-functionalized graphene nanosheet modified glassy carbon electrode and its interaction with DNA. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2837-2843	2.6	16
48	Electrochemical behavior of phenacetin on CdSe microspheres modified glassy carbon electrode and its simultaneous determination with paracetamol and 4-aminophenol. <i>Analytical Methods</i> , 2012 , 4, 1445	3.2	15
47	Determination of hydrogen peroxide based on calcined layered double hydroxide-modified glassy carbon electrode in flavored beverages. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1545-1550	2.6	14
46	Electrochemical Determination of 2-Nitrophenol in Water Samples Using Mg-Al-SDS Hydrotalcite-Like Clay Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2010 , 22, 1136-1142	3	14
45	One step preparation of CN-WS nanocomposite with enhanced photoactivity and its application for photoelectrochemical detection of 5-formylcytosine in the genomic DNA of maize seedling. <i>Biosensors and Bioelectronics</i> , 2020 , 151, 111973	11.8	14
44	A label-free electrochemical biosensor for microRNA detection based on apoferritin-encapsulated Cu nanoparticles. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 2829-2835	2.6	12

43	DNA-based hybridization chain reaction amplification for assaying the effect of environmental phenolic hormone on DNA methyltransferase activity. <i>Analytica Chimica Acta</i> , 2014 , 829, 9-14	6.6	12
42	A sensitive electrochemical method for DNA methyltransferase assay and inhibitor screening based on DNA methylation-sensitive cleavage. <i>Electrochimica Acta</i> , 2013 , 112, 596-602	6.7	12
41	Electrochemical oxidation behavior of guanosine-5'-monophosphate on a glassy carbon electrode modified with a composite film of graphene and multi-walled carbon nanotubes, and its amperometric determination. <i>Mikrochimica Acta</i> , 2011 , 172, 343-349	5.8	12
40	Electrochemiluminescence biosensor for DNA hydroxymethylation detection based on enzyme-catalytic covalent bonding reaction of -CHOH and thiol functionalized FeO magnetic beads. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111908	11.8	12
39	Photoelectrochemical biosensor for microRNA detection based on multiple amplification strategies. <i>Mikrochimica Acta</i> , 2018 , 185, 257	5.8	11
38	Determination aminopyrine in pharmaceutical formulations based on APTS-Fe ₃ O ₄ nanoparticles modified glassy carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 731-738	2.6	11
37	Selective determination of dopamine in the presence of ascorbic acid using ferrocenyl-tethered PAMAM dendrimers modified glassy carbon electrode. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1379-1385	2.6	11
36	Investigation of the inhibited biotoxicity of heavy metals towards 5- formylcytosine in rice by hydrochar based on photoelectrochemical biosensor. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125293	12.8	11
35	Electrochemical aptasensors for zeatin detection based on MoS nanosheets and enzymatic signal amplification. <i>Analyst, The</i> , 2018 , 143, 5185-5190	5	11
34	Photoelectrochemical determination of the activity of histone acetyltransferase and inhibitor screening by using MoS nanosheets. <i>Mikrochimica Acta</i> , 2019 , 186, 663	5.8	10
33	Ultrasensitive microRNA-21 detection based on DNA hybridization chain reaction and SYBR Green dye. <i>Analytical Biochemistry</i> , 2017 , 538, 20-25	3.1	10
32	Amperometric determination of the activity of protein kinase a using a glassy carbon electrode modified with IgG functionalized gold nanoparticles conjugated to horseradish peroxidase. <i>Mikrochimica Acta</i> , 2017 , 184, 3301-3308	5.8	9
31	Electrochemical immunosensor based on hairpin DNA probe for specific detection of N ⁶ -methyladenosine RNA. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 804, 192-198	4.1	9
30	Methyltransferase activity assay based on the use of exonuclease III, the hemin/G-quadruplex system and reduced graphene oxide on a gold electrode, and a study on enzyme inhibition. <i>Mikrochimica Acta</i> , 2015 , 182, 2607-2613	5.8	9
29	Amplified electrochemical immunoassay for 5-methylcytosine using a nanocomposite prepared from graphene oxide, magnetite nanoparticles and β-cyclodextrin. <i>Mikrochimica Acta</i> , 2019 , 186, 488	5.8	9
28	Amperometric biosensor for 5-hydroxymethylcytosine based on enzymatic catalysis and using spherical poly(acrylic acid) brushes. <i>Mikrochimica Acta</i> , 2017 , 184, 3789-3796	5.8	9
27	A colorimetric assay of DNA methyltransferase activity based on the keypad lock of duplex DNA modified meso-SiO ₂ @Fe ₃ O ₄ . <i>Analytica Chimica Acta</i> , 2016 , 920, 80-5	6.6	9
26	Recent advances in biosensor for histone acetyltransferase detection. <i>Biosensors and Bioelectronics</i> , 2021 , 175, 112880	11.8	9

25	A novel photoelectrochemical immunosensor for N1-methyladenine detection based on BiVO ₄ /g-C ₃ N ₄ heterojunction with signal amplification of TiO ₂ @NH ₂ -MIL-125(Ti). <i>Sensors and Actuators B: Chemical</i> , 2020 , 318, 128310	8.5	8
24	Electrochemical behaviors of GMP based on solid-phase extraction on at Cu-Mg-Al hydrotalcite-like compound (HTLC) modified glass carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1253-1261	2.6	7
23	Photoelectrochemical assay for histone acetyltransferase based on polydopamine sensitized layered WS ₂ . <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128261	8.5	6
22	Electrochemical biosensor for microRNA detection based on hybridization protection against nuclease S1 digestion. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 413-419	2.6	6
21	An electrochemical biosensor for the activity assay of polynucleotide kinase and inhibitor screening. <i>Analytical Methods</i> , 2015 , 7, 9984-9991	3.2	6
20	Rapid detection of Dam methyltransferase activity based on the exonuclease III-assisted isothermal amplification cycle. <i>Analytical Methods</i> , 2016 , 8, 2771-2777	3.2	5
19	Photoelectrochemical determination of the activity of protein kinase A by using g-CN and CdS quantum dots. <i>Mikrochimica Acta</i> , 2018 , 185, 541	5.8	5
18	Photoelectrochemical biosensor for 5-formylcytosine deoxyribonucleoside detection based on BiO ₄ -WS ₂ /CuO ternary heterojunction. <i>Sensors and Actuators B: Chemical</i> , 2021 , 341, 130019	8.5	4
17	Yolk-shell Fe ₃ O ₄ nanoparticles loaded on persimmon-derived porous carbon for supercapacitor assembly and As (V) removal. <i>Journal of Alloys and Compounds</i> , 2019 , 810, 151887	5.7	3
16	Homogeneous detection of 5-hydroxymethylcytosine based on electrochemiluminescence quenching of g-CN/MoS nanosheets by ferrocenedicarboxylic acid polymer. <i>Talanta</i> , 2020 , 219, 121211	6.2	3
15	Electrochemiluminescence immunosensor for 5-hydroxymethylcytosine detection based on PAMAM-nanosilver-nitrogen doped graphene nanocomposite. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 877, 114646	4.1	3
14	Photoelectrochemical immunosensor for methylated RNA detection based on WS and poly(U) polymerase-triggered signal amplification. <i>Mikrochimica Acta</i> , 2020 , 187, 596	5.8	3
13	Electrochemiluminescence biosensor for microRNA determination based on AgNCs@MoS composite with (AuNPs-Semicarbazide)@Cu-MOF as coreaction accelerator. <i>Mikrochimica Acta</i> , 2021 , 188, 68	5.8	3
12	Enhanced photoactivity of perovskite Bi ₄ NbO ₈ Cl/PTC-NH ₂ heterojunction and its application for photoelectrochemical sensing of DNA hydroxymethylation. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130211	8.5	3
11	Electrocatalysis Oxidation of GMP Based on Layered Double Hydroxide Functionalized with Anionic Surfactant and Room Temperature Ionic Liquid Modified Glassy Carbon Electrode. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 829-834	4.9	2
10	WS ₂ /Bi/BiOBr Nanostructures for Photoelectrochemical Sensing of 5-Formyluracil-2'-deoxyuridine-5'-triphosphate through Hemin/G-Quadruplex Double Signal Amplification. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8998-9007	5.6	2
9	Photoelectrochemical biosensor for N6-methyladenosine detection based on enhanced photoactivity of TiO ₂ -X and MoS ₂ nanocomposite. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115444	4.4	2
8	Photoelectrochemical assay for DNA hydroxymethylation determination based on the inhibited photoactivity of black TiO nanosphere by ZnO. <i>Mikrochimica Acta</i> , 2020 , 187, 156	5.8	1

7	Photoelectrochemical immunosensor for DNA hydroxymethylation based on PTCA-sensitized perovskite Bi ₄ TaO ₈ Cl. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131290	8.5	1
6	Photoelectrochemical biosensor for 5-formylcytosine based on WS ₂ /Bi/Bi ₂ O ₂ CO ₃ nanocomposite and rolling circle amplification. <i>Chinese Journal of Chemistry</i> ,	4.9	1
5	Enhanced photoactivity of ZnPc@WS heterojunction by CuBiO and its application for photoelectrochemical detection of 5-formyl-2-deoxycytidine. <i>Talanta</i> , 2021 , 234, 122697	6.2	1
4	Enhanced photoactivity of CdS nanorods by MXene and ZnSnO ₃ : Application in photoelectrochemical biosensor for the effect of environmental pollutants on DNA hydroxymethylation in wheat tissues. <i>Materials Today Chemistry</i> , 2022 , 24, 100878	6.2	1
3	Investigation the effect of antibiotics on the content of N ⁶ -methyladenosine in rice seedling tissue and heavy metal on FTO activity based on antibody-free photoelectrochemical biosensor. <i>Sensors and Actuators B: Chemical</i> , 2022 , 364, 131896	8.5	1
2	Investigation of the Effect of Antibiotics on 5-formylcytosine Content in Mazie Seedling Tissues Based on Photoelectrochemical Biosensor. <i>Journal of Hazardous Materials</i> , 2022 , 129146	12.8	1
1	Photoelectrochemical biosensor for DNA formylation based on WS ₂ nanosheets@polydopamine and MoS ₂ nanosheets. <i>Biosensors and Bioelectronics: X</i> , 2022 , 10, 100104	2.9	