Huanshun Yin

List of Publications by Year
in descending order

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150 papers	6,480 citations	50244 46 h-index	82499 72 g-index
152 all docs	152 docs citations	152 times ranked	5672 citing authors

#	Article	IF	Citations
1	Electrochemical behavior of catechol, resorcinol and hydroquinone at grapheneâ€“chitosan composite film modified glassy carbon electrode and their simultaneous determination in water samples. Electrochimica Acta, 2011, 56, 2748-2753.	2.6	367
2	Electrochemical determination of microRNA-21 based on graphene, LNA integrated molecular beacon, AuNPs and biotin multifunctional bio bar codes and enzymatic assay system. Biosensors and Bioelectronics, 2012, 33, 247-253.	5.3	188
3	Electrochemical oxidation behavior of guanine and adenine on grapheneâ€“Nafion composite film modified glassy carbon electrode and the simultaneous determination. Process Biochemistry, 2010, 45, 1707-1712.	1.8	180
4	Amperometric biosensor based on tyrosinase immobilized onto multiwalled carbon nanotubes-cobalt phthalocyanine-silk fibroin film and its application to determine bisphenol A. Analytica Chimica Acta, 2010, 659, 144-150.	2.6	172
5	Electrochemical oxidative determination of 4-nitrophenol based on a glassy carbon electrode modified with a hydroxyapatite nanopowder. Mikrochimica Acta, 2010, 169, 87-92.	2.5	166
6	Enhanced Photoelectrochemical Method for Sensitive Detection of Protein Kinase A Activity Using TiO₂/g-C₃N₄, PAMAM Dendrimer, and Alkaline Phosphatase. Analytical Chemistry, 2017, 89, 2369-2376.	3.2	153
7	Electrochemical determination of bisphenol A at Mgâ€“Alâ€“CO3 layered double hydroxide modified glassy carbon electrode. Electrochimica Acta, 2010, 55, 603-610.	2.6	148
8	Applications of two-dimensional layered nanomaterials in photoelectrochemical sensors: A comprehensive review. Coordination Chemistry Reviews, 2021, 447, 214156.	9.5	136
9	Sensitivity and selectivity determination of BPA in real water samples using PAMAM dendrimer and CoTe quantum dots modified glassy carbon electrode. Journal of Hazardous Materials, 2010, 174, 236-243.	6.5	119
10	Photoelectrochemical biosensor for microRNA detection based on a MoS2/g-C3N4/black TiO2 heterojunction with Histostar@AuNPs for signal amplification. Biosensors and Bioelectronics, 2019, 128, 137-143.	5.3	107
11	One-Step, Ultrasensitive, and Electrochemical Assay of microRNAs Based on T7 Exonuclease Assisted Cyclic Enzymatic Amplification. Analytical Chemistry, 2014, 86, 5606-5610.	3.2	103
12	Electrocatalytic oxidation behavior of guanosine at graphene, chitosan and Fe3O4 nanoparticles modified glassy carbon electrode and its determination. Talanta, 2010, 82, 1193-1199.	2.9	102
13	Electrochemical behaviour of Sudan I at Fe3O4 nanoparticles modified glassy carbon electrode and its determination in food samples. Food Chemistry, 2011, 127, 1348-1353.	4.2	100
14	Electrochemical Immunosensing Platform for DNA Methyltransferase Activity Analysis and Inhibitor Screening. Analytical Chemistry, 2012, 84, 9072-9078.	3.2	96
15	Recent advances on signal amplification strategies in photoelectrochemical sensing of microRNAs. Biosensors and Bioelectronics, 2020, 166, 112476.	5.3	95
16	A new strategy for methylated DNA detection based on photoelectrochemical immunosensor using Bi2S3 nanorods, methyl bonding domain protein and anti-his tag antibody. Biosensors and Bioelectronics, 2014, 51, 103-108.	5.3	94
17	Signal-on photoelectrochemical biosensor for microRNA detection based on Bi2S3 nanorods and enzymatic amplification. Biosensors and Bioelectronics, 2014, 53, 232-237.	5.3	85
18	Electrochemical, electrochemiluminescent and photoelectrochemical bioanalysis of epigenetic modifiers: A comprehensive review. Coordination Chemistry Reviews, 2020, 424, 213519.	9.5	85

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19	An electrochemical signal â€˜offâ€“onâ€™ sensing platform for microRNA detection. Analyst, The, 2012, 137, 1389.	1.7	79
20	Voltammetric sensing of paracetamol, dopamine and 4-aminophenol at a glassy carbon electrode coated with gold nanoparticles and an organophillic layered double hydroxide. Mikrochimica Acta, 2011, 175, 39-46.	2.5	78
21	Photoelectrochemical immunosensor for methylated RNA detection based on g-C 3 N 4 /CdS quantum dots heterojunction and Phos-tag-biotin. Biosensors and Bioelectronics, 2017, 95, 124-130.	5.3	76
22	Ultrasensitive electrochemiluminescence immunosensor for 5-hydroxymethylcytosine detection based on Fe3O4@SiO2 nanoparticles and PAMAM dendrimers. Biosensors and Bioelectronics, 2018, 99, 660-666.	5.3	75
23	Electrochemical behavior of bisphenol A at glassy carbon electrode modified with gold nanoparticles, silk fibroin, and PAMAM dendrimers. Mikrochimica Acta, 2010, 170, 99-105.	2.5	74
24	A signal â€œonâ€•photoelectrochemical biosensor for assay of protein kinase activity and its inhibitor based on graphite-like carbon nitride, Phos-tag and alkaline phosphatase. Biosensors and Bioelectronics, 2015, 64, 462-468.	5.3	70
25	Photoelectrochemical immunosensor for microRNA detection based on gold nanoparticles-functionalized g-C3N4 and anti-DNA:RNA antibody. Sensors and Actuators B: Chemical, 2016, 222, 1119-1126.	4.0	68
26	Aptamer-based photoelectrochemical biosensor for antibiotic detection using ferrocene modified DNA as both aptamer and electron donor. Sensors and Actuators B: Chemical, 2018, 266, 514-521.	4.0	68
27	Electrochemical determination of microRNA-21 based on bio bar code and hemin/G-quadruplet DNAenzyme. Analyst, The, 2013, 138, 3409.	1.7	65
28	Electrochemical oxidation behavior of bisphenol A at surfactant/layered double hydroxide modified glassy carbon electrode and its determination. Journal of Solid State Electrochemistry, 2011, 15, 167-173.	1.2	62
29	Ultrasensitive photoelectrochemical immunoassay of indole-3-acetic acid based on the MPA modified CdS/RGO nanocomposites decorated ITO electrode. Biosensors and Bioelectronics, 2014, 51, 164-169.	5.3	60
30	Electrochemical determination of theophylline in foodstuff, tea and soft drinks based on urchin-like CdSe microparticles modified glassy carbon electrode. Food Chemistry, 2012, 134, 1225-1230.	4.2	59
31	DNA methyltransferase activity assay based on visible light-activated photoelectrochemical biosensor. Biosensors and Bioelectronics, 2014, 53, 263-267.	5.3	57
32	A novel photoelectrochemical biosensor for the sensitive detection of dual microRNAs using molybdenum carbide nanotubes as nanocarriers and energy transfer between CQDs and AuNPs. Chemical Engineering Journal, 2019, 365, 351-357.	6.6	57
33	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. Biosensors and Bioelectronics, 2014, 54, 237-243.	5.3	55
34	A novel signal-on strategy for M.SssI methyltransfease activity analysis and inhibitor screening based on photoelectrochemical immunosensor. Biosensors and Bioelectronics, 2015, 66, 109-114.	5.3	55
35	Electrochemical immunosensor for N6-methyladenosine detection in human cell lines based on biotin-streptavidin system and silver-SiO 2 signal amplification. Biosensors and Bioelectronics, 2017, 90, 494-500.	5.3	55
36	A sensitive electrochemical biosensor for detection of protein kinase A activity and inhibitors based on Phos-tag and enzymatic signal amplification. Biosensors and Bioelectronics, 2015, 63, 26-32.	5.3	53

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37	Photoelectrochemical apta-biosensor for zeatin detection based on graphene quantum dots improved photoactivity of graphite-like carbon nitride and streptavidin induced signal inhibition. Sensors and Actuators B: Chemical, 2018, 257, 237-244.	4.0	53
38	Evaluation of DNA damage and antioxidant capacity of sericin by a DNA electrochemical biosensor based on dendrimer-encapsulated Au-Pd/chitosan composite. Mikrochimica Acta, 2010, 168, 347-354.	2.5	52
39	An electrochemical assay for DNA methylation, methyltransferase activity and inhibitor screening based on methyl binding domain protein. Biosensors and Bioelectronics, 2013, 41, 492-497.	5.3	52
40	Photoelectrochemical biosensor for hydroxymethylated DNA detection and T4-Î²-glucosyltransferase activity assay based on WS2 nanosheets and carbon dots. Biosensors and Bioelectronics, 2019, 127, 38-44.	5.3	52
41	Electrochemical biosensor for protein kinase A activity assay based on gold nanoparticles-carbon nanospheres, phos-tag-biotin and Î²-galactosidase. Biosensors and Bioelectronics, 2016, 86, 508-515.	5.3	51
42	Two-stage cyclic enzymatic amplification method for ultrasensitive electrochemical assay of microRNA-21 in the blood serum of gastric cancer patients. Biosensors and Bioelectronics, 2016, 79, 307-312.	5.3	51
43	Electrochemical biosensor for microRNA detection based on poly(U) polymerase mediated isothermal signal amplification. Biosensors and Bioelectronics, 2016, 79, 79-85.	5.3	51
44	Photoelectrochemical immunosensing platform for M. SssI methyltransferase activity analysis and inhibitor screening based on g-C3N4 and CdS quantum dots. Sensors and Actuators B: Chemical, 2017, 244, 458-465.	4.0	50
45	A novel electrochemical immunosensor for the quantitative detection of 5-hydroxymethylcytosine in genomic DNA of breast cancer tissue. Chemical Communications, 2015, 51, 14671-14673.	2.2	49
46	A novel electrochemiluminescence biosensor for the detection of 5-methylcytosine, TET 1 protein and Î²-glucosyltransferase activities based on gold nanoclusters-H2O2 system. Sensors and Actuators B: Chemical, 2018, 274, 144-151.	4.0	49
47	Photoelectrochemical biosensor for 5hmC detection based on the photocurrent inhibition effect of ZnO on MoS2/C3N4 heterojunction. Biosensors and Bioelectronics, 2019, 142, 111516.	5.3	48
48	A glassy carbon electrode modified with graphene and tyrosinase immobilized on platinum nanoparticles for sensing organophosphorus pesticides. Mikrochimica Acta, 2011, 175, 129-135.	2.5	47
49	Electrochemical oxidation determination and voltammetric behaviour of 4-nitrophenol based on Cu₂O nanoparticles modified glassy carbon electrode. International Journal of Environmental Analytical Chemistry, 2012, 92, 742-754.	1.8	47
50	Amplified electrochemical microRNA biosensor using a hemin-G-quadruplex complex as the sensing element. RSC Advances, 2012, 2, 7140.	1.7	47
51	A sensitive photoelectrochemical immunoassay of N6-methyladenosine based on dual-signal amplification strategy: Ru doped in SiO2 nanosphere and carboxylated g-C3N4. Biosensors and Bioelectronics, 2018, 99, 281-288.	5.3	46
52	Photoelectrochemical biosensing platform for microRNA detection based on in situ producing electron donor from apoferritin-encapsulated ascorbic acid. Biosensors and Bioelectronics, 2014, 53, 175-181.	5.3	45
53	Photoelectrochemical Biosensor for DNA Formylation Detection in Genomic DNA of Maize Seedlings Based on Black Tio₂-Enhanced Photoactivity of MoS₂/WS₂ Heterojunction. ACS Sensors, 2020, 5, 1092-1101.	4.0	45
54	DNA methyltransferase detection based on digestion triggering the combination of poly adenine DNA with gold nanoparticles. Biosensors and Bioelectronics, 2016, 80, 74-78.	5.3	44

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55	Dual-signal amplified photoelectrochemical biosensor for detection of N6-methyladenosine based on BiVO4-110-TiO2 heterojunction, Ag+-mediated cytosine pairs. Biosensors and Bioelectronics, 2018, 108, 89-96.	5.3	44
56	Electrochemical aptasensor for ampicillin detection based on the protective effect of aptamer-antibiotic conjugate towards DpnII and Exo III digestion. Talanta, 2019, 197, 42-48.	2.9	44
57	One-step â€œgreenâ€•preparation of graphene nanosheets and carbon nanospheres mixture by electrolyzing graphite rob and its application for glucose biosensing. Biosensors and Bioelectronics, 2011, 30, 112-117.	5.3	43
58	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. Sensors and Actuators B: Chemical, 2016, 223, 621-625.	4.0	43
59	Electrochemical aptasensing strategy for kanamycin detection based on target-triggered single-strand DNA adsorption on MoS2 nanosheets and enzymatic signal amplification. Sensors and Actuators B: Chemical, 2019, 296, 126664.	4.0	43
60	Polydopamine-sensitized WS2/black-TiO2 heterojunction for histone acetyltransferase detection with enhanced visible-light-driven photoelectrochemical activity. Chemical Engineering Journal, 2020, 393, 124707.	6.6	43
61	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. Mikrochimica Acta, 2011, 173, 337-345.	2.5	41
62	Photoelectrochemical immunosensor for N6-methyladenine detection based on Ru@UiO-66, Bi2O3 and Black TiO2. Biosensors and Bioelectronics, 2019, 131, 163-170.	5.3	40
63	Signal-on electrochemiluminescence biosensor for microRNA-319a detection based on two-stage isothermal strand-displacement polymerase reaction. Biosensors and Bioelectronics, 2018, 107, 34-39.	5.3	39
64	Ultrasensitive electrochemical immunoassay for DNA methyltransferase activity and inhibitor screening based on methyl binding domain protein of MeCP2 and enzymatic signal amplification. Biosensors and Bioelectronics, 2013, 49, 39-45.	5.3	37
65	Fluorometric determination of microRNA based on strand displacement amplification and rolling circle amplification. Mikrochimica Acta, 2017, 184, 4359-4365.	2.5	36
66	MicroRNA-21 detection based on molecular switching by amperometry. New Journal of Chemistry, 2012, 36, 1985.	1.4	35
67	Electrochemical immunosensor for N6-methyladenosine RNA modification detection. Sensors and Actuators B: Chemical, 2015, 221, 1-6.	4.0	35
68	Photoelectrochemical biosensor for protein kinase A detection based on carbon microspheres, peptide functionalized Au-ZIF-8 and TiO2/g-C3N4. Talanta, 2019, 196, 197-203.	2.9	35
69	Photoelectrochemical detection of 5-hydroxymethylcytosine in genomic DNA based on M. HhaI methyltransferase catalytic covalent bonding. Chemical Engineering Journal, 2019, 357, 94-102.	6.6	32
70	Preparation of P-g-C3N4-WS2 nanocomposite and its application in photoelectrochemical detection of 5-formylcytosine. Journal of Colloid and Interface Science, 2020, 561, 348-357.	5.0	32
71	Electrochemical immunosensor for DNA methyltransferase activity assay based on methyl CpG-binding protein and dual gold nanoparticle conjugate-based signal amplification. Sensors and Actuators B: Chemical, 2014, 192, 143-149.	4.0	31
72	A Phos-tag-based photoelectrochemical biosensor for assay of protein kinase activity and inhibitors. Sensors and Actuators B: Chemical, 2015, 206, 728-734.	4.0	30

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73	Electrochemical biosensor for detection of DNA hydroxymethylation based on glycosylation and alkaline phosphatase catalytic signal amplification. Electrochimica Acta, 2015, 174, 647-652.	2.6	30
74	Electrochemical detection of protein kinase activity based on carboxypeptidase Y digestion triggered signal amplification. Biosensors and Bioelectronics, 2015, 66, 77-83.	5.3	30
75	Electrochemical aptasensor for sulfadimethoxine detection based on the triggered cleavage activity of nuclease P1 by aptamer-target complex. Talanta, 2019, 204, 409-414.	2.9	30
76	Photoelectrochemical biosensor for histone acetyltransferase detection based on ZnO quantum dots inhibited photoactivity of BiOI nanoflower. Sensors and Actuators B: Chemical, 2020, 307, 127633.	4.0	30
77	An ultrasensitive electrochemical immunosensor platform with double signal amplification for indole-3-acetic acid determinations in plant seeds. Analyst, The, 2013, 138, 1851.	1.7	29
78	Tungsten disulfide (WS2) nanosheet-based photoelectrochemical aptasensing of chloramphenicol. Mikrochimica Acta, 2018, 185, 453.	2.5	29
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. Biosensors and Bioelectronics, 2014, 54, 244-250.	5.3	28
80	Visible-light induced photoelectrochemical biosensor for the detection of microRNA based on Bi2S3 nanorods and streptavidin on an ITO electrode. Mikrochimica Acta, 2015, 182, 241-248.	2.5	27
81	Aptamer based voltammetric determination of ampicillin using a single-stranded DNA binding protein and DNA functionalized gold nanoparticles. Mikrochimica Acta, 2018, 185, 68.	2.5	27
82	A novel photoelectrochemical biosensor for protein kinase activity assay based on phosphorylated graphite-like carbon nitride. Analytica Chimica Acta, 2016, 934, 36-43.	2.6	26
83	Photoelectrochemical biosensor for HEN1 RNA methyltransferase detection using peroxidase mimics PtCu NFs and poly(U) polymerase-mediated RNA extension. Biosensors and Bioelectronics, 2018, 103, 32-38.	5.3	26
84	Photoelectrochemical detection of miRNA-319a in rice leaf responding to phytohormones treatment based on CuO-CuWO4 and rolling circle amplification. Sensors and Actuators B: Chemical, 2018, 255, 1744-1752.	4.0	26
85	Electrochemical oxidation behavior of 2,4-dinitrophenol at hydroxylapatite film-modified glassy carbon electrode and its determination in water samples. Journal of Solid State Electrochemistry, 2012, 16, 75-82.	1.2	25
86	Electrochemical biosensor for hydroxymethylated DNA detection and Î²-glucosyltransferase activity assay based on enzymatic catalysis triggering signal amplification. Sensors and Actuators B: Chemical, 2017, 243, 602-608.	4.0	25
87	Electrochemical behavior of phenacetin on CdSe microspheres modified glassy carbon electrode and its simultaneous determination with paracetamol and 4-aminophenol. Analytical Methods, 2012, 4, 1445.	1.3	24
88	Photoelectrochemical biosensor for highly sensitive detection of microRNA based on duplex-specific nuclease-triggered signal amplification. Journal of Solid State Electrochemistry, 2015, 19, 1301-1309.	1.2	24
89	The immobilization of Cytochrome c on MWNTâ€“PAMAMâ€“Chit nanocomposite incorporated with DNA biocomposite film modified glassy carbon electrode for the determination of nitrite. Journal of Solid State Electrochemistry, 2010, 14, 1681-1688.	1.2	23
90	Label-free, Ultrasensitive and Electrochemical Immunosensing Platform for microRNA Detection Using Anti-DNA:RNA Hybrid Antibody and Enzymatic Signal Amplification. Electrochimica Acta, 2015, 165, 130-135.	2.6	23

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91	Electrochemical biosensors for polynucleotide kinase activity assay and inhibition screening based on phosphorylation reaction triggered Î» exonuclease and exonuclease I cleavage. Sensors and Actuators B: Chemical, 2016, 225, 151-157.	4.0	23
92	Electrochemiluminescence biosensor for DNA hydroxymethylation detection based on enzyme-catalytic covalent bonding reaction of â€“CH2OH and thiol functionalized Fe3O4 magnetic beads. Biosensors and Bioelectronics, 2020, 150, 111908.	5.3	23
93	Electrochemical behavior of antipyrine at a Bi2S3 modified glassy carbon electrode and its determination in pharmaceutical formulations. Analytical Methods, 2012, 4, 1736.	1.3	22
94	Electrochemical immunoassay platform for high sensitivity detection of indole-3-acetic acid. Electrochimica Acta, 2013, 96, 66-73.	2.6	22
95	Electrochemical biosensing method for the detection of DNA methylation and assay of the methyltransferase activity. Sensors and Actuators B: Chemical, 2013, 178, 412-417.	4.0	22
96	An electrochemical biosensor for assay of DNA methyltransferase activity and screening of inhibitor. Electrochimica Acta, 2013, 89, 530-536.	2.6	22
97	Enzyme-based electrochemical biosensor for sensitive detection of DNA demethylation and the activity of DNA demethylase. Analytica Chimica Acta, 2014, 840, 28-32.	2.6	22
98	Electrochemical biosensor for DNA demethylase detection based on demethylation triggered endonuclease BstUI and Exonuclease III digestion. Biosensors and Bioelectronics, 2015, 66, 266-270.	5.3	21
99	Investigation of the inhibited biotoxicity of heavy metals towards 5- formylcytosine in rice by hydrochar based on photoelectrochemical biosensor. Journal of Hazardous Materials, 2021, 414, 125293.	6.5	20
100	Amperometric nitrite biosensor based on a gold electrode modified with cytochrome c on Nafion and Cu-Mg-Al layered double hydroxides. Mikrochimica Acta, 2010, 171, 385-392.	2.5	19
101	Amperometric biosensor based on tyrosinase immobilized in hydrotalcite-like compounds film for the determination of polyphenols. Journal of Solid State Electrochemistry, 2012, 16, 449-456.	1.2	19
102	Direct determination of 5-methylcytosine based on electrochemical activation of surfactant functionalized graphene modified pyrolytic graphite electrode. Electrochimica Acta, 2013, 95, 200-204.	2.6	19
103	One step preparation of CN-WS2 nanocomposite with enhanced photoactivity and its application for photoelectrochemical detection of 5-formylcytosine in the genomic DNA of maize seedling. Biosensors and Bioelectronics, 2020, 151, 111973.	5.3	19
104	Electrochemical Determination of 2â€Nitrophenol in Water Samples Using Mgâ€Alâ€SDS Hydrotalciteâ€Like Clay Modified Glassy Carbon Electrode. Electroanalysis, 2010, 22, 1136-1142.	1.5	18
105	Electrochemical determination of nonylphenol based on ionic liquid-functionalized graphene nanosheet modified glassy carbon electrode and its interaction with DNA. Journal of Solid State Electrochemistry, 2012, 16, 2837-2843.	1.2	18
106	G-quadruplex functionalized nano mesoporous silica for assay of the DNA methyltransferase activity. Analytica Chimica Acta, 2015, 879, 34-40.	2.6	18
107	Investigation of the effect of antibiotics on 5-formylcytosine content in mazie seedling tissues based on photoelectrochemical biosensor. Journal of Hazardous Materials, 2022, 436, 129146.	6.5	18
108	Determination of hydrogen peroxide based on calcined layered double hydroxide-modified glassy carbon electrode in flavored beverages. Journal of Solid State Electrochemistry, 2012, 16, 1545-1550.	1.2	17

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109	Electrochemical immunoassays for the detection the activity of DNA methyltransferase by using the rolling circle amplification technique. Mikrochimica Acta, 2014, 181, 471-477.	2.5	17
110	Recent advances in biosensor for histone acetyltransferase detection. Biosensors and Bioelectronics, 2021, 175, 112880.	5.3	17
111	Electrochemiluminescence biosensor for microRNA determination based on AgNCs@MoS2 composite with (AuNPs-Semicarbazide)@Cu-MOF as coreaction accelerator. Mikrochimica Acta, 2021, 188, 68.	2.5	15
112	DNA-based hybridization chain reaction amplification for assaying the effect of environmental phenolic hormone on DNA methyltransferase activity. Analytica Chimica Acta, 2014, 829, 9-14.	2.6	14
113	Ultrasensitive microRNA-21 detection based on DNA hybridization chain reaction and SYBR Green dye. Analytical Biochemistry, 2017, 538, 20-25.	1.1	14
114	Photoelectrochemical biosensor for microRNA detection based on multiple amplification strategies. Mikrochimica Acta, 2018, 185, 257.	2.5	14
115	Photoelectrochemical determination of the activity of histone acetyltransferase and inhibitor screening by using MoS2 nanosheets. Mikrochimica Acta, 2019, 186, 663.	2.5	14
116	A novel photoelectrochemical immunosensor for N1-methyladenine detection based on BiVO4/g-C3N4 heterojunction with signal amplification of TiO2@NH2-MIL-125(Ti). Sensors and Actuators B: Chemical, 2020, 318, 128310.	4.0	14
117	Selective determination of dopamine in the presence of ascorbic acid using ferrocenyl-tethered PAMAM dendrimers modified glassy carbon electrode. Journal of Applied Electrochemistry, 2010, 40, 1379-1385.	1.5	13
118	Electrochemical oxidation behavior of guanosine-5Â´-monophosphate on a glassy carbon electrode modified with a composite film of graphene and multi-walled carbon nanotubes, and its amperometric determination. Mikrochimica Acta, 2011, 172, 343-349.	2.5	13
119	Determination aminopyrine in pharmaceutical formulations based on APTS-Fe3O4 nanoparticles modified glassy carbon electrode. Journal of Solid State Electrochemistry, 2012, 16, 731-738.	1.2	13
120	A sensitive electrochemical method for DNA methyltransferase assay and inhibitor screening based on DNA methylation-sensitive cleavage. Electrochimica Acta, 2013, 112, 596-602.	2.6	13
121	A label-free electrochemical biosensor for microRNA detection based on apoferritin-encapsulated Cu nanoparticles. Journal of Solid State Electrochemistry, 2014, 18, 2829-2835.	1.2	13
122	A colorimetric assay of DNA methyltransferase activity based on the keypad lock of duplex DNA modified meso-SiO2@Fe3O4. Analytica Chimica Acta, 2016, 920, 80-85.	2.6	13
123	Amplified electrochemical immunoassay for 5-methylcytosine using a nanocomposite prepared from graphene oxide, magnetite nanoparticles and Î²-cyclodextrin. Mikrochimica Acta, 2019, 186, 488.	2.5	12
124	Amperometric determination of the activity of protein kinase a using a glassy carbon electrode modified with IgG functionalized gold nanoparticles conjugated to horseradish peroxidase. Mikrochimica Acta, 2017, 184, 3301-3308.	2.5	11
125	Electrochemical immunosensor based on hairpin DNA probe for specific detection of N6-methyladenosine RNA. Journal of Electroanalytical Chemistry, 2017, 804, 192-198.	1.9	11
126	Amperometric biosensor for 5-hydroxymethylcytosine based on enzymatic catalysis and using spherical poly(acrylic acid) brushes. Mikrochimica Acta, 2017, 184, 3789-3796.	2.5	11

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127	Electrochemical aptasensors for zeatin detection based on MoS₂ nanosheets and enzymatic signal amplification. Analyst, The, 2018, 143, 5185-5190.	1.7	11
128	Photoelectrochemical biosensor for 5-formylcytosine deoxyribonucleoside detection based on BiIO4-WS2/CuO ternary heterojunction. Sensors and Actuators B: Chemical, 2021, 341, 130019.	4.0	11
129	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. Mikrochimica Acta, 2015, 182, 2607-2613.	2.5	10
130	Enhanced photoactivity of perovskite Bi4NbO8Cl/PTC-NH2 heterojunction and its application for photoelectrochemical sensing of DNA hydroxymethylation. Sensors and Actuators B: Chemical, 2021, 344, 130211.	4.0	10
131	Investigation the effect of antibiotics on the content of N6-methyladenosine in rice seedling tissue and heavy metal on FTO activity based on antibody-free photoelectrochemcial biosensor. Sensors and Actuators B: Chemical, 2022, 364, 131896.	4.0	10
132	Electrochemical behaviors of GMP based on solid-phase extractionon at Cu-Mg-Al hydrotalcite-like compound (HTLC) modified glass carbon electrode. Journal of Solid State Electrochemistry, 2011, 15, 1253-1261.	1.2	9
133	Electrochemical biosensor for microRNA detection based on hybridization protection against nuclease S1 digestion. Journal of Solid State Electrochemistry, 2016, 20, 413-419.	1.2	9
134	Photoelectrochemical determination of the activity of protein kinase A by using g-C3N4 and CdS quantum dots. Mikrochimica Acta, 2018, 185, 541.	2.5	9
135	Electrochemiluminescence immunosensor for 5-hydroxymethylcytosine detection based on PAMAM-nanosilverâ€'nitrogen doped graphene nanocomposite. Journal of Electroanalytical Chemistry, 2020, 877, 114646.	1.9	9
136	Photoelectrochemical immunosensor for methylated RNA detection based on WS2 and poly(U) polymeraseâ€"triggered signal amplification. Mikrochimica Acta, 2020, 187, 596.	2.5	9
137	An electrochemical biosensor for the activity assay of polynucleotide kinase and inhibitor screening. Analytical Methods, 2015, 7, 9984-9991.	1.3	8
138	Rapid detection of Dam methyltransferase activity based on the exonuclease III-assisted isothermal amplification cycle. Analytical Methods, 2016, 8, 2771-2777.	1.3	8
139	Photoelectrochemical immunosensor for DNA hydroxymethylation based on PTCA-sensitized perovskite Bi4TaO8Cl. Sensors and Actuators B: Chemical, 2022, 355, 131290.	4.0	8
140	Yolk-shell Fe3O4 nanoparticles loaded on persimmon-derived porous carbon for supercapacitor assembly and As (V) removal. Journal of Alloys and Compounds, 2019, 810, 151887.	2.8	7
141	Photoelectrochemical assay for histone acetyltransferase based on polydopamine sensitized layered WS2. Sensors and Actuators B: Chemical, 2020, 319, 128261.	4.0	7
142	Homogeneous detection of 5-hydroxymethylcytosine based on electrochemiluminescence quenching of g-C3N4/MoS2 nanosheets by ferrocenedicarboxylic acid polymer. Talanta, 2020, 219, 121211.	2.9	7
143	Enhanced photoactivity of CdS nanorods by MXene and ZnSnO3: Application in photoelectrochemical biosensor for the effect of environmental pollutants on DNA hydroxymethylation in wheat tissues. Materials Today Chemistry, 2022, 24, 100878.	1.7	6
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