Jinghua Yu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/20630/publications.pdf

Version: 2024-02-01

400 papers	18,189 citations	11608 70 h-index	29081 104 g-index
414 all docs	414 docs citations	414 times ranked	14093 citing authors

#	Article	IF	Citations
1	FeOOH/Cu2O/CuS photocathode-enabled simultaneous promotion on charge carrier separation and electron acceptor reduction for lab-on-paper homogeneous cathodic photoelectrochemical bioassay. Chemical Engineering Journal, 2022, 430, 132846.	6.6	14
2	SERS paper slip based on 3D dendritic gold nanomaterials coupling with urchin-like nanoparticles for rapid detection of thiram. Sensors and Actuators B: Chemical, 2022, 355, 131264.	4.0	29
3	A Target-Driven Self-Feedback Paper-Based Photoelectrochemical Sensing Platform for Ultrasensitive Detection of Ochratoxin A with an In₂S₃/WO₃ Heterojunction Structure. Analytical Chemistry, 2022, 94, 1705-1712.	3.2	45
4	Photoelectrochemical Detection of Exosomal miRNAs by Combining Target-Programmed Controllable Signal Quenching Engineering. Analytical Chemistry, 2022, 94, 3082-3090.	3.2	22
5	Laser ablative TiO2 and tremella-like CuInS2 nanocomposites for robust and ultrasensitive photoelectrochemical sensing of let-7a. Mikrochimica Acta, 2022, 189, 145.	2.5	0
6	In situ growth of WO₃/BiVO₄ nanoflowers onto cellulose fibers to construct photoelectrochemical/colorimetric lab-on-paper devices for the ultrasensitive detection of AFP. Journal of Materials Chemistry B, 2022, , .	2.9	10
7	Photoelectrochemical platform with tailorable anode-cathode activities based on semiconductors coupling DNA walker for detection of miRNA. Sensors and Actuators B: Chemical, 2022, 365, 131969.	4.0	8
8	Reprogramming thermodynamic-limiting oxidation cycle in NiFe-based oxygen evolution electrocatalyst through Mo doping induced surface reconstruction. Journal of Colloid and Interface Science, 2022, 622, 443-451.	5.0	0
9	Strength Enhancement of Regenerated Cellulose Fibers by Adjustment of Hydrogen Bond Distribution in Ionic Liquid. Polymers, 2022, 14, 2030.	2.0	11
10	Dual-Engine Powered Paper Photoelectrochemical Platform Based on 3D DNA Nanomachine-Mediated CRISPR/Cas12a for Detection of Multiple miRNAs. Analytical Chemistry, 2022, 94, 8075-8084.	3.2	32
11	Paper-Based Bipolar Electrode Electrochemiluminescence Platform Combined with Pencil-Drawing Trace for the Detection of M.SssI Methyltransferase. Analytical Chemistry, 2022, 94, 8327-8334.	3.2	38
12	Photoswitchable CRISPR/Cas12a-Amplified and Co₃O₄@Au Nanoemitter Based Triple-Amplified Diagnostic Electrochemiluminescence Biosensor for Detection of miRNA-141. ACS Applied Materials & Interfaces, 2022, 14, 32960-32969.	4.0	23
13	Ratiometric electrochemiluminescence lab-on-paper device for DNA methylation determination based on highly conductive copper paper electrode. Biosensors and Bioelectronics, 2022, 214, 114522.	5.3	7
14	Nuclease-propelled target dual-recycling amplification strategy integrated with cascaded sensitization effect of ZnO/CuInS2/Ag2Se photoactive structures for lab-on-paper photoelectrochemical microRNA bioassay. Sensors and Actuators B: Chemical, 2022, 369, 132374.	4.0	9
15	Metal-organic framework-enabled surface state passivation integrating with single-nuclease-propelled multistage amplification for ultrasensitive lab-on-paper photoelectrochemical biosensing. Chemical Engineering Journal, 2022, 450, 137955.	6.6	12
16	Two-dimensional black phosphorus nanoflakes: A coreactant-free electrochemiluminescence luminophors for selective Pb2+ detection based on resonance energy transfer. Journal of Hazardous Materials, 2021, 403, 123601.	6.5	34
17	A near-infrared fluorescent probe with large stokes shift for accurate detection of Î²â€‘glucuronidase in living cells and mouse models. Sensors and Actuators B: Chemical, 2021, 326, 128849.	4.0	18
18	Ultrasensitive sandwich-like electrochemical biosensor based on core-shell Pt@CeO2 as signal tags and double molecular recognition for cerebral dopamine detection. Talanta, 2021, 223, 121719.	2.9	26

#	Article	IF	Citations
19	Co3O4-Au polyhedron mimic peroxidase- and cascade enzyme-assisted cycling process-based photoelectrochemical biosensor for monitoring of miRNA-141. Chemical Engineering Journal, 2021, 406, 126892.	6.6	46
20	Toehold-mediated DNA strand displacement-driven super-fast tripedal DNA walker for ultrasensitive and label-free electrochemical detection of ochratoxin A. Analytica Chimica Acta, 2021, 1143, 21-30.	2.6	30
21	Direct-readout photoelectrochemical lab-on-paper biosensing platform based on coupled electricity generating system and paper supercapacitors. Talanta, 2021, 222, 121517.	2.9	5
22	In situ grown COFs on 3D strutted graphene aerogel for electrochemical detection of NO released from living cells. Chemical Engineering Journal, 2021, 420, 127559.	6.6	59
23	A three-dimensional dynamic DNA walker-mediated branching hybridization chain reaction for the ultrasensitive fluorescence sensing of ampicillin. Analyst, The, 2021, 146, 5413-5420.	1.7	6
24	Dual-Mode Aptasensor Assembled by a WO₃/Fe₂O₃ Heterojunction for Paper-Based Colorimetric Prediction/Photoelectrochemical Multicomponent Analysis. ACS Applied Materials & Interfaces, 2021, 13, 3645-3652.	4.0	42
25	Ultrasensitive Microfluidic Paper-Based Electrochemical/Visual Analytical Device via Signal Amplification of Pd@Hollow Zn/Co Coreâ€“Shell ZIF67/ZIF8 Nanoparticles for Prostate-Specific Antigen Detection. Analytical Chemistry, 2021, 93, 5459-5467.	3.2	49
26	Porphyrin-Based Covalent Organic Framework Thin Films as Cathodic Materials for â€œOnâ€“Offâ€“Onâ€• Photoelectrochemical Sensing of Lead Ions. ACS Applied Materials & Interfaces, 2021, 13, 20397-20404.	4.0	89
27	Self-Circulation Oxygenâ€“Hydrogen Peroxideâ€“Oxygen System for Ultrasensitive Cathode Photoelectrochemical Bioassay Using a Stacked Sealed Paper Device. ACS Applied Materials & Interfaces, 2021, 13, 19793-19802.	4.0	19
28	Ternary Electrochemiluminescence Biosensor Based on DNA Walkers and AuPd Nanomaterials as a Coreaction Accelerator for the Detection of miRNA-141. ACS Applied Materials & Interfaces, 2021, 13, 25783-25791.	4.0	44
29	Enhanced Catalytic Activity Induced by the Nanostructuring Effect in Pd Decoration onto Doped Ceria Enabling an Origami Paper Analytical Device for High Performance of Amyloid-Î² Bioassay. ACS Applied Materials & Interfaces, 2021, 13, 33937-33947.	4.0	21
30	Cathodeâ€“Anode Spatial Division Photoelectrochemical Platform Based on a One-Step DNA Walker for Monitoring of miRNA-21. ACS Applied Materials & Interfaces, 2021, 13, 35389-35396.	4.0	32
31	Target-swiped DNA lock for electrochemical sensing of miRNAs based on DNAzyme-assisted primer-generation amplification. Mikrochimica Acta, 2021, 188, 255.	2.5	3
32	Bi₂S₃@MoS₂ Nanoflowers on Cellulose Fibers Combined with Octahedral CeO₂ for Dual-Mode Microfluidic Paper-Based MiRNA-141 Sensors. ACS Applied Materials & Interfaces, 2021, 13, 32780-32789.	4.0	35
33	Ag Nanoparticles Anchored on Nanoporous Ge Skeleton as <scp>Highâ€Performance</scp> Anode for Lithiumâ€ion Batteries. Chinese Journal of Chemistry, 2021, 39, 2881-2888.	2.6	9
34	Accurate and Nonpurified Identification of Extracellular Vesicles Using Dual-Binding Recognition Mode. Analytical Chemistry, 2021, 93, 12383-12390.	3.2	19
35	3D DNA Walker-Assisted CRISPR/Cas12a Trans-Cleavage for Ultrasensitive Electrochemiluminescence Detection of miRNA-141. Analytical Chemistry, 2021, 93, 13373-13381.	3.2	59
36	Ultrathin MoSe2 nanosheet anchored CdS-ZnO functional paper chip as a highly efficient tandem Z-scheme heterojunction photoanode for scalable photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2021, 292, 120184.	10.8	34

#	Article	IF	Citations
37	Electrochemiluminescence biosensor based on molybdenum disulfide-graphene quantum dots nanocomposites and DNA walker signal amplification for DNA detection. Mikrochimica Acta, 2021, 188, 353.	2.5	11
38	Target dual-recycling-induced bipedal DNA walker and Bi2WO6/Bi2S3 cascade amplification strategy in photoelectrochemical biosensor for TP53 detection. Sensors and Actuators B: Chemical, 2021, 345, 130386.	4.0	14
39	Multiple cooperative amplification paper SERS aptasensor based on AuNPs/3D succulent-like silver for okadaic acid quantization. Sensors and Actuators B: Chemical, 2021, 344, 130174.	4.0	23
40	All-sealed paper-based electrochemiluminescence platform for on-site determination of lead ions. Biosensors and Bioelectronics, 2021, 192, 113524.	5.3	17
41	Paper-Based Bipolar Electrode Electrochemiluminescence Platform for Detection of Multiple miRNAs. Analytical Chemistry, 2021, 93, 1702-1708.	3.2	84
42	Facile Preparation and Characteristic Analysis of Sulfated Cellulose Nanofibril via the Pretreatment of Sulfamic Acid-Glycerol Based Deep Eutectic Solvents. Nanomaterials, 2021, 11, 2778.	1.9	21
43	In situ controllable heterojunction conversion strategy driven by oriented paper-based fluid transfer for human immunoglobulin G detection. Mikrochimica Acta, 2021, 188, 373.	2.5	2
44	Signal-switchable lab-on-paper photoelectrochemical aptasensing system integrated triple-helix molecular switch with charge separation and recombination regime of type-II CdTe@CdSe core-shell quantum dots. Biosensors and Bioelectronics, 2020, 147, 111786.	5.3	30
45	Multiple self-cleaning paper-based electrochemical ratiometric biosensor based on the inner reference probe and exonuclease III-assisted signal amplification strategy. Biosensors and Bioelectronics, 2020, 147, 111769.	5.3	33
46	A self-powered origami paper analytical device with a pop-up structure for dual-mode electrochemical sensing of ATP assisted by glucose oxidase-triggered reaction. Biosensors and Bioelectronics, 2020, 148, 111839.	5.3	38
47	Non-covalent interaction-driven self-assembly of perylene diimide on rGO for room-temperature sensing of triethylamine with enhanced immunity to humidity. Chemical Engineering Journal, 2020, 385, 123397.	6.6	31
48	Visible-light-driven renewable photoelectrochemical/synchronous visualized sensing platform based on Ni:FeOOH/BiVO4 photoanode and enzymatic cascade amplification for carcinoembryonic antigen detection. Sensors and Actuators B: Chemical, 2020, 304, 127301.	4.0	17
49	Proximity-enabled bidirectional enzymatic repairing amplification for ultrasensitive fluorescence sensing of adenosine triphosphate. Analytica Chimica Acta, 2020, 1104, 156-163.	2.6	4
50	3D synergistical rGO/Eu(TPyP)(Pc) hybrid aerogel for high-performance NO2 gas sensor with enhanced immunity to humidity. Journal of Hazardous Materials, 2020, 384, 121426.	6.5	39
51	Peptide cleavage-mediated photoelectrochemical signal on-off via CuS electronic extinguisher for PSA detection. Biosensors and Bioelectronics, 2020, 150, 111958.	5.3	30
52	Paper-based closed Au-Bipolar electrode electrochemiluminescence sensing platform for the detection of miRNA-155. Biosensors and Bioelectronics, 2020, 150, 111917.	5.3	58
53	Origami-based â€œBookâ€•shaped three-dimensional electrochemical paper microdevice for sample-to-answer detection of pathogens. RSC Advances, 2020, 10, 25808-25816.	1.7	11
54	Ultrasensitive lab-on-paper device via Cu/Co double-doped CeO2 nanospheres as signal amplifiers for electrochemical/visual sensing of miRNA-155. Sensors and Actuators B: Chemical, 2020, 321, 128499.	4.0	23

#	Article	IF	Citations
55	Photoelectrochemical detection of let-7a based on toehold-mediated strand displacement reaction and Bi2S3 nanoflower for signal amplification. Sensors and Actuators B: Chemical, 2020, 323, 128655.	4.0	18
56	Ultrasensitive photoelectrochemical sensor enabled by a target-induced signal quencher release strategy. New Journal of Chemistry, 2020, 44, 13882-13888.	1.4	1
57	Ultrasensitive and specific microRNA detection via dynamic light scattering of DNA network based on rolling circle amplification. Sensors and Actuators B: Chemical, 2020, 324, 128693.	4.0	22
58	Paper-based electrochemiluminescence determination of streptavidin using reticular DNA-functionalized PtCu nanoframes and analyte-triggered DNA walker. Mikrochimica Acta, 2020, 187, 530.	2.5	6
59	Ultrasensitive DNA Detection Based on Inorganicâ€“Organic Nanocomposite Cosensitization and G-Quadruplex/Hemin Catalysis for Signal Amplification. ACS Applied Materials & Interfaces, 2020, 12, 42604-42611.	4.0	12
60	Ultrasensitive Photoelectrochemical Detection of MicroRNA on Paper by Combining a Cascade Nanozyme-Engineered Biocatalytic Precipitation Reaction and Target-Triggerable DNA Motor. ACS Sensors, 2020, 5, 1482-1490.	4.0	74
61	AgInSe₂-Sensitized ZnO Nanoflower Wide-Spectrum Response Photoelectrochemical/Visual Sensing Platform via Au@Nanorod-Anchored CeO₂ Octahedron Regulated Signal. Analytical Chemistry, 2020, 92, 7604-7611.	3.2	58
62	Paper-Based Constant Potential Electrochemiluminescence Sensing Platform with Black Phosphorus as a Luminophore Enabled by a Perovskite Solar Cell. Analytical Chemistry, 2020, 92, 6822-6826.	3.2	32
63	Reversible electron storage in tandem photoelectrochemical cell for light driven unassisted overall water splitting. Applied Catalysis B: Environmental, 2020, 275, 119094.	10.8	37
64	Paper-based sandwich type SERS sensor based on silver nanoparticles and biomimetic recognizer. Sensors and Actuators B: Chemical, 2020, 313, 127989.	4.0	33
65	Cathode Photoelectrochemical Paper Device for microRNA Detection Based on Cascaded Photoactive Structures and Hemin/Pt Nanoparticle-Decorated DNA Dendrimers. ACS Applied Materials & Interfaces, 2020, 12, 17177-17184.	4.0	46
66	Highly efficient fluorescence sensing of kanamycin using Endo IV-powered DNA walker and hybridization chain reaction amplification. Mikrochimica Acta, 2020, 187, 193.	2.5	10
67	Paper-Based SERS Sensing Platform Based on 3D Silver Dendrites and Molecularly Imprinted Identifier Sandwich Hybrid for Neonicotinoid Quantification. ACS Applied Materials & Interfaces, 2020, 12, 8845-8854.	4.0	88
68	DNAzyme-Triggered Visual and Ratiometric Electrochemiluminescence Dual-Readout Assay for Pb(II) Based on an Assembled Paper Device. Analytical Chemistry, 2020, 92, 3874-3881.	3.2	117
69	Ultrasensitive Paper-Based Photoelectrochemical Sensing Platform Enabled by the Polar Charge Carriers-Created Electric Field. Analytical Chemistry, 2020, 92, 2902-2906.	3.2	38
70	Dual-photocathode array propelled lab-on-paper ratiometric photoelectrochemical sensing platform for ultrasensitive microRNA bioassay. Sensors and Actuators B: Chemical, 2020, 316, 128093.	4.0	11
71	Efficient strand displacement amplification via stepwise movement of a bipedal DNA walker on an electrode surface for ultrasensitive detection of antibiotics. Analyst, The, 2020, 145, 2975-2981.	1.7	15
72	A triply amplified electrochemical lead(II) sensor by using a DNAzyme and via formation of a DNA-gold nanoparticle network induced by a catalytic hairpin assembly. Mikrochimica Acta, 2019, 186, 559.	2.5	34

#	Article	IF	Citations
73	Triple-helix molecular-switch-actuated exponential rolling circular amplification for ultrasensitive fluorescence detection of miRNAs. Analyst, The, 2019, 144, 5245-5253.	1.7	11
74	Robust and highly specific fluorescence sensing of Salmonella typhimurium based on dual-functional phi29 DNA polymerase-mediated isothermal circular strand displacement polymerization. Analyst, The, 2019, 144, 4795-4802.	1.7	6
75	Graphene-Amplified Photoelectric Response of CdS Nanoparticles for Cu²⁺ Sensor. Journal of Nanoscience and Nanotechnology, 2019, 19, 7871-7878.	0.9	9
76	Triggerable H₂O₂â€“Cleavable Switch of Paper-Based Biochips Endows Precision of Chemometer/Ratiometric Electrochemical Quantification of Analyte in High-Efficiency Point-of-Care Testing. Analytical Chemistry, 2019, 91, 10273-10281.	3.2	32
77	A label-free electrochemical platform for the detection of antibiotics based on cascade enzymatic amplification coupled with a split G-quadruplex DNAzyme. Analyst, The, 2019, 144, 4995-5002.	1.7	22
78	Robust and Universal SERS Sensing Platform for Multiplexed Detection of Alzheimerâ€™s Disease Core Biomarkers Using PAapt-AuNPs Conjugates. ACS Sensors, 2019, 4, 2140-2149.	4.0	94
79	Noninvasive and Wearable Respiration Sensor Based on Organic Semiconductor Film with Strong Electron Affinity. Analytical Chemistry, 2019, 91, 10320-10327.	3.2	24
80	Donor/Acceptor-Induced Ratiometric Photoelectrochemical Paper Analytical Device with a Hollow Double-Hydrophilic-Walls Channel for microRNA Quantification. Analytical Chemistry, 2019, 91, 14577-14585.	3.2	49
81	Wide-Spectrum-Responsive Paper-Supported Photoelectrochemical Sensing Platform Based on Black Phosphorus-Sensitized TiO₂. ACS Applied Materials & Interfaces, 2019, 11, 41062-41068.	4.0	25
82	A FRET-based ratiometric two-photon fluorescent probe for superoxide anion detection and imaging in living cells and tissues. Analyst, The, 2019, 144, 1704-1710.	1.7	12
83	Paper based modification-free photoelectrochemical sensing platform with single-crystalline aloe like TiO2 as electron transporting material for cTnI detection. Biosensors and Bioelectronics, 2019, 131, 17-23.	5.3	26
84	Photoelectrochemical biosensor of HIV-1 based on cascaded photoactive materials and triple-helix molecular switch. Biosensors and Bioelectronics, 2019, 139, 111325.	5.3	37
85	Visual distance readout to display the level of energy generation in paper-based biofuel cells: application to enzymatic sensing of glucose. Mikrochimica Acta, 2019, 186, 283.	2.5	6
86	Spectrophotometric determination of the activity of alkaline phosphatase and detection of its inhibitors by exploiting the pyrophosphate-accelerated oxidase-like activity of nanoceria. Mikrochimica Acta, 2019, 186, 320.	2.5	15
87	DNA three-way junction-actuated strand displacement for miRNA detection using a fluorescence light-up Ag nanocluster probe. Analyst, The, 2019, 144, 3836-3842.	1.7	7
88	Ultrasensitive Microfluidic Paper-Based Electrochemical Biosensor Based on Molecularly Imprinted Film and Boronate Affinity Sandwich Assay for Glycoprotein Detection. ACS Applied Materials & Interfaces, 2019, 11, 16198-16206.	4.0	89
89	Low-Power and High-Performance Trimethylamine Gas Sensor Based on n-n Heterojunction Microbelts of Perylene Diimide/CdS. Analytical Chemistry, 2019, 91, 5591-5598.	3.2	36
90	Engineering organic/inorganic hierarchical photocathode for efficient and stable quasi-solid-state photoelectrochemical fuel cells. Applied Catalysis B: Environmental, 2019, 250, 171-180.	10.8	29

#	Article	IF	Citations
91	Electrochemiluminescence cytosensing platform based on Ru(bpy)32+@silica-Au nanocomposite as luminophore and AuPd nanoparticles as coreaction accelerator for in situ evaluation of intracellular H2O2. Talanta, 2019, 199, 485-490.	2.9	19
92	A facile signal-on electrochemical DNA sensing platform for ultrasensitive detection of pathogenic bacteria based on Exo III-assisted autonomous multiple-cycle amplification. Analyst, The, 2019, 144, 3023-3029.	1.7	20
93	Microfluidic paper-based photoelectrochemical sensing platform with electron-transfer tunneling distance regulation strategy for thrombin detection. Biosensors and Bioelectronics, 2019, 133, 1-7.	5.3	20
94	Primer remodeling amplification-activated multisite-catalytic hairpin assembly enabling the concurrent formation of Y-shaped DNA nanotorches for the fluorescence assay of ochratoxin A. Analyst, The, 2019, 144, 3389-3397.	1.7	26
95	Mimic peroxidase-transfer enhancement of photoelectrochemical aptasensing via CuO nanoflowers functionalized lab-on-paper device with a controllable fluid separator. Biosensors and Bioelectronics, 2019, 133, 32-38.	5.3	19
96	A facile and robust SERS platform for highly sensitive and reproducible detection of uracil-DNA glycosylase using target-activated plasmonic coupling. Sensors and Actuators B: Chemical, 2019, 287, 535-543.	4.0	13
97	Auto-cleaning paper-based electrochemiluminescence biosensor coupled with binary catalysis of cubic Cu2O-Au and polyethyleneimine for quantification of Ni2+ and Hg2+. Biosensors and Bioelectronics, 2019, 126, 339-345.	5.3	34
98	Paper-Supported Self-Powered System Based on a Glucose/O₂ Biofuel Cell for Visual MicroRNA-21 Sensing. ACS Applied Materials & Interfaces, 2019, 11, 5114-5122.	4.0	32
99	A Photoresponsive Rutile TiO₂ Heterojunction with Enhanced Electronâ€“Hole Separation for Highâ€Performance Hydrogen Evolution. Advanced Materials, 2019, 31, e1806596.	11.1	240
100	A Paper-Supported Photoelectrochemical Sensing Platform Based on Surface Plasmon Resonance Enhancement for Real-Time H2S Determination. Journal of Analysis and Testing, 2019, 3, 89-98.	2.5	14
101	Molecular Threading-Dependent Mass Transport in Paper Origami for Single-Step Electrochemical DNA Sensors. Nano Letters, 2019, 19, 369-374.	4.5	37
102	Naked Eye, Ratiometric Absorption, and Ratiometric Fluorescence for Leadâ€Ion Analysis with a Triplexâ€Signal Chemosensor. European Journal of Inorganic Chemistry, 2018, 2018, 1877-1881.	1.0	4
103	Editable TiO₂ Nanomaterial-Modified Paper in Situ for Highly Efficient Detection of Carcinoembryonic Antigen by Photoelectrochemical Method. ACS Applied Materials & Interfaces, 2018, 10, 14594-14601.	4.0	52
104	Microwave-assisted hydrothermal synthesis of Sn3O4 nanosheet/rGO planar heterostructure for efficient photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2018, 227, 470-476.	10.8	86
105	Fast response and highly selective detection of hydrogen sulfide with a ratiometric two-photon fluorescent probe and its application for bioimaging. Sensors and Actuators B: Chemical, 2018, 261, 51-57.	4.0	46
106	Dual-mode fluorescence biosensor platform based on T-shaped duplex structure for detection of microRNA and folate receptor. Sensors and Actuators B: Chemical, 2018, 261, 44-50.	4.0	19
107	Electrochemiluminescence based detection of microRNA by applying an amplification strategy and Hg(II)-triggered disassembly of a metal organic frameworks functionalized with ruthenium(II)tris(bipyridine). Mikrochimica Acta, 2018, 185, 133.	2.5	25
108	Ultrasensitive microfluidic paper-based electrochemical/visual biosensor based on spherical-like cerium dioxide catalyst for miR-21 detection. Biosensors and Bioelectronics, 2018, 105, 218-225.	5.3	108

#	Article	IF	Citations
109	Solar driven electrochromic photoelectrochemical fuel cells for simultaneous energy conversion, storage and self-powered sensing. Nanoscale, 2018, 10, 3421-3428.	2.8	40
110	Ultrasensitive Enzyme-free Biosensor by Coupling Cyclodextrin Functionalized Au Nanoparticles and High-Performance Au-Paper Electrode. ACS Applied Materials & Interfaces, 2018, 10, 3333-3340.	4.0	60
111	Colorimetric and Electrochemiluminescence Dual-Mode Sensing of Lead Ion Based on Integrated Lab-on-Paper Device. ACS Applied Materials & Interfaces, 2018, 10, 3431-3440.	4.0	90
112	Electrochemical biosensor for p53 gene based on HRP-mimicking DNAzyme-catalyzed deposition of polyaniline coupled with hybridization chain reaction. Sensors and Actuators B: Chemical, 2018, 268, 210-216.	4.0	34
113	Highly sensitive microfluidic paper-based photoelectrochemical sensing platform based on reversible photo-oxidation products and morphology-preferable multi-plate ZnO nanoflowers. Biosensors and Bioelectronics, 2018, 110, 58-64.	5.3	43
114	Label-free detection of microRNA based on the fluorescence quenching of silicon nanoparticles induced by catalyzed hairpin assembly coupled with hybridization chain reaction. Sensors and Actuators B: Chemical, 2018, 254, 370-376.	4.0	44
115	Multiplexed aptasensor for simultaneous detection of carcinoembryonic antigen and mucin-1 based on metal ion electrochemical labels and Ru(NH3)63+ electronic wires. Biosensors and Bioelectronics, 2018, 99, 8-13.	5.3	50
116	Fluorescent carbon dots nanosensor for label-free determination of vitamin B12 based on inner filter effect. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 193, 305-309.	2.0	53
117	Ultrasensitive electrochemical paper-based biosensor for microRNA via strand displacement reaction and metal-organic frameworks. Sensors and Actuators B: Chemical, 2018, 257, 561-569.	4.0	118
118	Ultrasensitive electrochemiluminescence assay of tumor cells and evaluation of H2O2 on a paper-based closed-bipolar electrode by in-situ hybridization chain reaction amplification. Biosensors and Bioelectronics, 2018, 102, 411-417.	5.3	108
119	Paper-Based Origami Photoelectrochemical Sensing Platform with TiO₂/Bi₄NbO₈Cl/Co-Pi Cascade Structure Enabling of Bidirectional Modulation of Charge Carrier Separation. Analytical Chemistry, 2018, 90, 14116-14120.	3.2	33
120	Paperâ€Based Electronics: Flexible Electronics Based on Micro/Nanostructured Paper (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	54
121	Highly conductive and bendable gold networks attached on intertwined cellulose fibers for output controllable power paper. Journal of Materials Chemistry A, 2018, 6, 19611-19620.	5.2	25
122	Addressable TiO₂ Nanotubes Functionalized Paper-Based Cyto-Sensor with Photocontrollable Switch for Highly-Efficient Evaluating Surface Protein Expressions of Cancer Cells. Analytical Chemistry, 2018, 90, 13882-13890.	3.2	74
123	Stackable Lab-on-Paper Device with All-in-One Au Electrode for High-Efficiency Photoelectrochemical Cyto-Sensing. Analytical Chemistry, 2018, 90, 7212-7220.	3.2	46
124	Polyhedral-AuPd nanoparticles-based dual-mode cytosensor with turn on enable signal for highly sensitive cell evalution on lab-on-paper device. Biosensors and Bioelectronics, 2018, 117, 651-658.	5.3	71
125	Flexible Electronics Based on Micro/Nanostructured Paper. Advanced Materials, 2018, 30, e1801588.	11.1	249
126	Flexible and Biocompatibility Power Source for Electronics: A Cellulose Paper Based Holeâ€Transportâ€Materialsâ€Free Perovskite Solar Cell. Solar Rrl, 2018, 2, 1800175.	3.1	37

#	Article	IF	Citations
127	Time-resolution addressable photoelectrochemical strategy based on hollow-channel paper analytical devices. Biosensors and Bioelectronics, 2018, 120, 64-70.	5.3	18
128	â€œOnâ€“Offâ€“Onâ€•Photoelectrochemical/Visual Lab-on-Paper Sensing via Signal Amplification of CdS Quantum Dots@Leaf-Shape ZnO and Quenching of Au-Modified Prism-Anchored Octahedral CeO₂ Nanoparticles. Analytical Chemistry, 2018, 90, 11297-11304.	3.2	65
129	Double signal amplification based on palladium nanoclusters and nucleic acid cycles on a Î¼PAD for dual-model detection of microRNAs. Journal of Materials Chemistry B, 2018, 6, 5795-5801.	2.9	15
130	A single-interface photoelectrochemical sensor based on branched TiO₂ nanorods@strontium titanate for the detection of two biomarkers. Journal of Materials Chemistry B, 2018, 6, 4697-4703.	2.9	14
131	Hierarchical hematite/TiO2 nanorod arrays coupled with responsive mesoporous silica nanomaterial for highly sensitive photoelectrochemical sensing. Biosensors and Bioelectronics, 2018, 117, 515-521.	5.3	27
132	Nanomaterials-modified cellulose paper as a platform for biosensing applications. Nanoscale, 2017, 9, 4366-4382.	2.8	102
133	SimultaneousÂvoltammetric determination of E. coli and S. typhimurium based on target recycling amplification using self-assembled hairpin probes on a gold electrode. Mikrochimica Acta, 2017, 184, 745-752.	2.5	18
134	Microfluidic Paperâ€Based Analytical Device for Sensitive Detection of Peptides Based on Specific Recognition of Aptamer and Amplification Strategy of Hybridization Chain Reaction. ChemElectroChem, 2017, 4, 1744-1749.	1.7	16
135	Metal-Enhanced Ratiometric Fluorescence/Naked Eye Bimodal Biosensor for Lead Ions Analysis with Bifunctional Nanocomposite Probes. Analytical Chemistry, 2017, 89, 3597-3605.	3.2	52
136	Ultrasensitive Photoelectrochemical Biosensing of Cell Surface N-Glycan Expression Based on the Enhancement of Nanogold-Assembled Mesoporous Silica Amplified by Graphene Quantum Dots and Hybridization Chain Reaction. ACS Applied Materials & Interfaces, 2017, 9, 6670-6678.	4.0	79
137	Electrochemiluminescence DNA biosensor based onÂthe use of gold nanoparticle modified graphite-like carbon nitride. Mikrochimica Acta, 2017, 184, 2587-2596.	2.5	17
138	Metal-enhanced fluorescence/visual bimodal platform for multiplexed ultrasensitive detection of microRNA with reusable paper analytical devices. Biosensors and Bioelectronics, 2017, 95, 181-188.	5.3	41
139	A molecularly imprinted polypyrrole for ultrasensitive voltammetric determination of glyphosate. Mikrochimica Acta, 2017, 184, 1959-1967.	2.5	48
140	Photoelectrochemical sensor based on molecularly imprinted film modified hierarchical branched titanium dioxide nanorods for chlorpyrifos detection. Sensors and Actuators B: Chemical, 2017, 251, 1-8.	4.0	63
141	A novel microfluidic paper-based colorimetric sensor based on molecularly imprinted polymer membranes for highly selective and sensitive detection of bisphenol A. Sensors and Actuators B: Chemical, 2017, 243, 130-136.	4.0	107
142	SnO 2 nanotube arrays grown via an in situ template-etching strategy for effective and stable perovskite solar cells. Chemical Engineering Journal, 2017, 325, 378-385.	6.6	52
143	Sudoku-like Lab-on-Paper Cyto-Device with Dual Enhancement of Electrochemiluminescence Intermediates Strategy. Analytical Chemistry, 2017, 89, 7511-7519.	3.2	49
144	Paper-based biosensor for noninvasive detection of epidermal growth factor receptor mutations in non-small cell lung cancer patients. Sensors and Actuators B: Chemical, 2017, 251, 440-445.	4.0	48

#	Article	IF	Citations
145	Carbon nanostructures in biology and medicine. Journal of Materials Chemistry B, 2017, 5, 6437-6450.	2.9	100
146	Electrochemiluminescence behavior of AgNCs and its application in immunosensors based on PANI/PPy-Ag dendrite-modified electrode. Analyst, The, 2017, 142, 2587-2594.	1.7	23
147	Turning Nonspecific Interference into Signal Amplification: Covalent Biosensing Nanoassembly Enabled by Metal-Catalyzed Cross-Coupling. Analytical Chemistry, 2017, 89, 6834-6839.	3.2	9
148	A sensitive Pb²⁺ testing method based on aptamer-functionalized peroxidase-like 3D-flower MoS₂ microspheres. New Journal of Chemistry, 2017, 41, 7052-7060.	1.4	15
149	Growth and accelerated differentiation of mesenchymal stem cells on graphene-oxide-coated titanate with dexamethasone on surface of titanium implants. Dental Materials, 2017, 33, 525-535.	1.6	53
150	Fabrication of Lab-on-Paper Using Porous Au-Paper Electrode: Application to Tumor Marker Electrochemical Immunoassays. Methods in Molecular Biology, 2017, 1572, 125-134.	0.4	2
151	Onâ€“offâ€“on fluorescence sensing of glutathione in food samples based on a graphitic carbon nitride (g-C3N4)â€“Cu2+ strategy. New Journal of Chemistry, 2017, 41, 3374-3379.	1.4	19
152	Engineering anatase hierarchically cactus-like TiO 2 arrays for photoelectrochemical and visualized sensing platform. Biosensors and Bioelectronics, 2017, 90, 336-342.	5.3	27
153	Internal Light Source-Driven Photoelectrochemical 3D-rGO/Cellulose Device Based on Cascade DNA Amplification Strategy Integrating Target Analog Chain and DNA Mimic Enzyme. ACS Applied Materials & Interfaces, 2017, 9, 37839-37847.	4.0	26
154	Determination of glucose by using fluorescent silicon nanoparticles and an inner filter caused by peroxidase-induced oxidation of o-phenylenediamine by hydrogen peroxide. Mikrochimica Acta, 2017, 184, 4531-4536.	2.5	25
155	Cerium Dioxide-Mediated Signal â€œOnâ€“Offâ€•by Resonance Energy Transfer on a Lab-On-Paper Device for Ultrasensitive Detection of Lead Ions. ACS Applied Materials & Interfaces, 2017, 9, 32591-32598.	4.0	21
156	Steric paper based ratio-type electrochemical biosensor with hollow-channel for sensitive detection of Zn2+. Science Bulletin, 2017, 62, 1114-1121.	4.3	29
157	Sensitive and rapid detection of microRNAs using hairpin probes-mediated exponential isothermal amplification. Biosensors and Bioelectronics, 2017, 89, 710-714.	5.3	75
158	Self-powered sensing platform equipped with Prussian blue electrochromic display driven by photoelectrochemical cell. Biosensors and Bioelectronics, 2017, 89, 728-734.	5.3	23
159	Real-time and in situ enzyme inhibition assay for the flux of hydrogen sulfide based on 3D interwoven AuPd-reduced graphene oxide network. Biosensors and Bioelectronics, 2017, 87, 53-58.	5.3	24
160	3D origami electrochemical device for sensitive Pb2+ testing based on DNA functionalized iron-porphyrinic metal-organic framework. Biosensors and Bioelectronics, 2017, 87, 108-115.	5.3	66
161	Visible photoelectrochemical sensing platform by in situ generated CdS quantum dots decorated branched-TiO 2 nanorods equipped with Prussian blue electrochromic display. Biosensors and Bioelectronics, 2017, 89, 859-865.	5.3	77
162	In-situ synthesized polypyrrole-cellulose conductive networks for potential-tunable foldable power paper. Nano Energy, 2017, 31, 174-182.	8.2	100

#	Article	IF	Citations
163	Electrochemiluminescence of graphitic carbon nitride and its application in ultrasensitive detection of lead(II) ions. Analytical and Bioanalytical Chemistry, 2016, 408, 7181-7191.	1.9	26
164	An enhanced photoelectrochemical platform: graphite-like carbon nitride nanosheet-functionalized ZnO nanotubes. Journal of Materials Chemistry B, 2016, 4, 4980-4987.	2.9	31
165	A functional oligonucleotide probe from an encapsulated silver nanocluster assembled by rolling circle amplification and its application in label-free sensors. RSC Advances, 2016, 6, 88967-88973.	1.7	9
166	Using carbon nanotubes-gold nanocomposites to quench energy from pinnate titanium dioxide nanorods array for signal-on photoelectrochemical aptasensing. Biosensors and Bioelectronics, 2016, 82, 132-139.	5.3	17
167	Platelike WO3 sensitized with CdS quantum dots heterostructures for photoelectrochemical dynamic sensing of H2O2 based on enzymatic etching. Biosensors and Bioelectronics, 2016, 85, 205-211.	5.3	46
168	Ultrasensitive photoelectrochemical immunoassay based on CdS@Cu2O co-sensitized porous ZnO nanosheets and promoted by multiwalled carbon nanotubes. Sensors and Actuators B: Chemical, 2016, 234, 658-666.	4.0	29
169	Paper-Based Device for Colorimetric and Photoelectrochemical Quantification of the Flux of H₂O₂ Releasing from MCF-7 Cancer Cells. Analytical Chemistry, 2016, 88, 5369-5377.	3.2	105
170	A simple and rapid detection assay for peptides based on the specific recognition of aptamer and signal amplification of hybridization chain reaction. Biosensors and Bioelectronics, 2016, 83, 15-18.	5.3	53
171	A novel fluorescence probe based on p-acid-Br and its application in thiourea detection. RSC Advances, 2016, 6, 45001-45008.	1.7	9
172	Signal-on electrochemical detection of antibiotics based on exonuclease III-assisted autocatalytic DNA biosensing platform. RSC Advances, 2016, 6, 43501-43508.	1.7	8
173	Visible-light driven biofuel cell based on hierarchically branched titanium dioxide nanorods photoanode for tumor marker detection. Biosensors and Bioelectronics, 2016, 83, 327-333.	5.3	28
174	Paper analytical devices for dynamic evaluation of cell surface N-glycan expression via a bimodal biosensor based on multibranched hybridization chain reaction amplification. Biosensors and Bioelectronics, 2016, 86, 756-763.	5.3	22
175	Label-free, homogeneous, and ultrasensitive detection of pathogenic bacteria based on target-triggered isothermally exponential amplification. RSC Advances, 2016, 6, 62031-62037.	1.7	17
176	High-Quality Perovskite Films Grown with a Fast Solvent-Assisted Molecule Inserting Strategy for Highly Efficient and Stable Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 22238-22245.	4.0	19
177	A photoelectrochemical sensor for hydrogen sulfide in cancer cells based on the covalently and in situ grafting of CdS nanoparticles onto TiO2 nanotubes. Journal of Electroanalytical Chemistry, 2016, 783, 176-181.	1.9	42
178	Chemical and biochemical analysis on lab-on-a-chip devices fabricated using three-dimensional printing. TrAC - Trends in Analytical Chemistry, 2016, 85, 166-180.	5.8	77
179	A paper-based electrochemiluminescence electrode as an aptamer-based cytosensor using PtNi@carbon dots as nanolabels for detection of cancer cells and for in-situ screening of anticancer drugs. Mikrochimica Acta, 2016, 183, 1873-1880.	2.5	49
180	A Graphene-enhanced imaging of microRNA with enzyme-free signal amplification of catalyzed hairpin assembly in living cells. Biosensors and Bioelectronics, 2016, 85, 909-914.	5.3	60

#	Article	IF	Citations
181	Fluorescence â€œturn-onâ€•determination of H 2 O 2 using multilayer porous SiO 2 /NGQDs and PdAu mimetics enzymatic/oxidative cleavage of single-stranded DNA. Biosensors and Bioelectronics, 2016, 82, 204-211.	5.3	43
182	Photoelectrochemical immunoassay based on chemiluminescence as internal excited light source. Sensors and Actuators B: Chemical, 2016, 234, 324-331.	4.0	23
183	Label-free colorimetric logic gates based on free gold nanoparticles and the coordination strategy between cytosine and silver ions. New Journal of Chemistry, 2016, 40, 5516-5522.	1.4	15
184	A 3D electrochemical immunodevice based on an Au paper electrode and using Au nanoflowers for amplification. New Journal of Chemistry, 2016, 40, 2835-2842.	1.4	25
185	Multifunctional reduced graphene oxide trigged chemiluminescence resonance energy transfer: Novel signal amplification strategy for photoelectrochemical immunoassay of squamous cell carcinoma antigen. Biosensors and Bioelectronics, 2016, 79, 55-62.	5.3	27
186	Electrochemiluminescent molecular logic gates based on MCNTs for the multiplexed analysis of mercury(<scp>ii</scp>) and silver(<scp>i</scp>) ions. RSC Advances, 2016, 6, 26147-26154.	1.7	10
187	Signal-on electrochemical detection of antibiotics at zeptomole level based on target-aptamer binding triggered multiple recycling amplification. Biosensors and Bioelectronics, 2016, 80, 471-476.	5.3	44
188	An electrochemiluminescence lab-on-paper device for sensitive detection of two antigens at the MCF-7 cell surface based on porous bimetallic AuPd nanoparticles. RSC Advances, 2016, 6, 16500-16506.	1.7	18
189	Aptamer-based fluorescent and visual biosensor for multiplexed monitoring of cancer cells in microfluidic paper-based analytical devices. Sensors and Actuators B: Chemical, 2016, 229, 347-354.	4.0	129
190	Paper-based biosensor relying on flower-like reduced graphene guided enzymatically deposition of polyaniline for Pb2+ detection. Biosensors and Bioelectronics, 2016, 80, 215-221.	5.3	44
191	A sensitive electrochemiluminescent immunosensor based on 3D-flower-like MoS₂microspheres and using AuPt nanoparticles for signal amplification. RSC Advances, 2016, 6, 23411-23419.	1.7	11
192	Ultrasensitive and rapid detection of miRNA with three-way junction structure-based trigger-assisted exponential enzymatic amplification. Biosensors and Bioelectronics, 2016, 81, 236-241.	5.3	40
193	Microfluidic paper-based analytical device for photoelectrochemical immunoassay with multiplex signal amplification using multibranched hybridization chain reaction and PdAu enzyme mimetics. Biosensors and Bioelectronics, 2016, 79, 416-422.	5.3	66
194	Label-free and highly sensitive electrochemical detection of E. coli based on rolling circle amplifications coupled peroxidase-mimicking DNAzyme amplification. Biosensors and Bioelectronics, 2016, 75, 315-319.	5.3	92
195	A disposable paper-based electrochemiluminescence device for ultrasensitive monitoring of CEA based on Ru(bpy)₃²⁺@Au nanocages. RSC Advances, 2015, 5, 28324-28331.	1.7	33
196	Gold nanorods-paper electrode based enzyme-free electrochemical immunoassay for prostate specific antigen using porous zinc oxide spheresâ€“silver nanoparticles nanocomposites as labels. New Journal of Chemistry, 2015, 39, 6062-6067.	1.4	41
197	An enhanced photoelectrochemical immunosensing platform: Supramolecular donorâ€“acceptor arrays by assembly of porphyrin and C 60. Biosensors and Bioelectronics, 2015, 68, 604-610.	5.3	28
198	Photoelectrochemical detection of tumor markers based on a CdS quantum dot/ZnO nanorod/Au@Pt-paper electrode 3D origami immunodevice. Journal of Materials Chemistry B, 2015, 3, 2426-2432.	2.9	36

#	Article	IF	Citations
199	Electrochemiluminescence PSA assay using an ITO electrode modified with gold and palladium, and flower-like titanium dioxide microparticles as ECL labels. Mikrochimica Acta, 2015, 182, 1009-1016.	2.5	19
200	Paper-based electrochemiluminescence origami device for protein detection using assembled cascade DNAâ€“carbon dots nanotags based on rolling circle amplification. Biosensors and Bioelectronics, 2015, 68, 413-420.	5.3	73
201	Applications of graphene and related nanomaterials in analytical chemistry. New Journal of Chemistry, 2015, 39, 2380-2395.	1.4	69
202	Microfluidic paper-based multiplex colorimetric immunodevice based on the catalytic effect of Pd/Fe3O4@C peroxidase mimetics on multiple chromogenic reactions. Analytica Chimica Acta, 2015, 862, 70-76.	2.6	46
203	An electrochemical immunoassay based on trepang-like gold electrodes and nanogold functionalized flower-like hierarchical carbon materials with improved sensitivity. New Journal of Chemistry, 2015, 39, 3452-3460.	1.4	4
204	A 3D electrochemical immunodevice based on a porous Pt-paper electrode and metal ion functionalized flower-like Au nanoparticles. Journal of Materials Chemistry B, 2015, 3, 2764-2769.	2.9	22
205	Application of nanoporous Pd as catalytically promoted nanolabels for ultrasensitive electrochemiluminescence immunosensor based on Ag/graphene nanocomposite. Sensors and Actuators B: Chemical, 2015, 210, 460-467.	4.0	6
206	Application of CuS-functionalized ZnO nanoflakes for a paper-based photoelectrochemical immunoassay using an in situ electron donor producing strategy. New Journal of Chemistry, 2015, 39, 7012-7018.	1.4	16
207	Branched zinc oxide nanorods arrays modified paper electrode for electrochemical immunosensing by combining biocatalytic precipitation reaction and competitive immunoassay mode. Biosensors and Bioelectronics, 2015, 74, 823-829.	5.3	15
208	Electrochemical K-562 cells sensor based on origami paper device for point-of-care testing. Talanta, 2015, 145, 12-19.	2.9	51
209	A sensitive quenched electrochemiluminescent DNA sensor based on the catalytic activity of gold nanoparticle functionalized MoS₂. New Journal of Chemistry, 2015, 39, 8100-8107.	1.4	30
210	Real-time visual determination of the flux of hydrogen sulphide using a hollow-channel paper electrode. Chemical Communications, 2015, 51, 14030-14033.	2.2	31
211	Paper-based microfluidic devices in bioanalysis: how far have we come?. Bioanalysis, 2015, 7, 633-636.	0.6	8
212	â€œSignal-offâ€•photoelectrochemical DNA sensing strategy based on target dependent DNA probe conformational conversion using CdS quantum dots sensitized TiO2 nanorods array as photoactive material. Journal of Electroanalytical Chemistry, 2015, 759, 38-45.	1.9	18
213	Ultrasensitive electrochemical cancer cells sensor based on trimetallic dendritic Au@PtPd nanoparticles for signal amplification on lab-on-paper device. Sensors and Actuators B: Chemical, 2015, 220, 665-672.	4.0	64
214	Self-powered competitive immunosensor driven by biofuel cell based on hollow-channel paper analytical devices. Biosensors and Bioelectronics, 2015, 71, 18-24.	5.3	35
215	All-graphene composite materials for signal amplification toward ultrasensitive electrochemical immunosensing of tumor marker. Biosensors and Bioelectronics, 2015, 71, 108-114.	5.3	62
216	Electrochemiluminescence device for in-situ and accurate determination of CA153 at the MCF-7 cell surface based on graphene quantum dots loaded surface villous Au nanocage. Biosensors and Bioelectronics, 2015, 71, 286-293.	5.3	38

#	Article	IF	Citations
217	Multiplexed enzyme-free electrochemical immunosensor based on ZnO nanorods modified reduced graphene oxide-paper electrode and silver deposition-induced signal amplification strategy. Biosensors and Bioelectronics, 2015, 71, 30-36.	5.3	63
218	Colorimetric detection of the flux of hydrogen peroxide released from living cells based on the high peroxidase-like catalytic performance of porous PtPd nanorods. Biosensors and Bioelectronics, 2015, 71, 456-462.	5.3	85
219	A dual functional analytical device for self-powered point of care testing and electric energy storage. Chemical Communications, 2015, 51, 9527-9530.	2.2	14
220	Targetâ€“aptamer binding triggered quadratic recycling amplification for highly specific and ultrasensitive detection of antibiotics at the attomole level. Chemical Communications, 2015, 51, 8377-8380.	2.2	55
221	Ultrasensitive electrochemiluminescence aptasensor based on a graphene/polyaniline composite film modified electrode and CdS quantum dot coated platinum nanostructured networks as labels. RSC Advances, 2015, 5, 70345-70351.	1.7	9
222	Paper-Based Analytical Devices Relying on Visible-Light-Enhanced Glucose/Air Biofuel Cells. ACS Applied Materials & Interfaces, 2015, 7, 24330-24337.	4.0	23
223	CuO-induced signal amplification strategy for multiplexed photoelectrochemical immunosensing using CdS sensitized ZnO nanotubes arrays as photoactive material and AuPd alloy nanoparticles as electron sink. Biosensors and Bioelectronics, 2015, 66, 565-571.	5.3	44
224	Application of bimetallic PtPd alloy decorated graphene in peroxydisulfate electrochemiluminescence aptasensor based on Ag dendrites decorated indium tin oxide device. Sensors and Actuators B: Chemical, 2015, 209, 32-39.	4.0	20
225	Chemiluminescence excited photoelectrochemical competitive immunosensing lab-on-paper device using an integrated paper supercapacitor for signal amplication. Sensors and Actuators B: Chemical, 2015, 208, 546-553.	4.0	32
226	Electrochemical immunosensor assay (EIA) for sensitive detection of E. coli O157:H7 with signal amplification on a SGâ€“PEDOTâ€“AuNPs electrode interface. Analyst, The, 2015, 140, 551-559.	1.7	54
227	Ultrasensitive detection of lead ion sensor based on gold nanodendrites modified electrode and electrochemiluminescent quenching of quantum dots by electrocatalytic silver/zinc oxide coupled structures. Biosensors and Bioelectronics, 2015, 65, 176-182.	5.3	30
228	One novel molecular imprinting nanowires chemiluminescence sensor: preparation and pendimethalin recognition. Monatshefte FÃ¼r Chemie, 2015, 146, 493-499.	0.9	5
229	An ultrasensitive electrochemical immunosensor based on the catalytical activity of MoS2-Au composite using Ag nanospheres as labels. Sensors and Actuators B: Chemical, 2015, 206, 30-36.	4.0	106
230	3D origami electrochemical immunodevice for sensitive point-of-care testing based on dual-signal amplification strategy. Biosensors and Bioelectronics, 2015, 63, 7-13.	5.3	60
231	Cyto-sensing in electrochemical lab-on-paper cyto-device for in-situ evaluation of multi-glycan expressions on cancer cells. Biosensors and Bioelectronics, 2015, 63, 232-239.	5.3	58
232	Paper-based electrochemiluminescence origami cyto-device for multiple cancer cells detection using porous AuPd alloy as catalytically promoted nanolabels. Biosensors and Bioelectronics, 2015, 63, 450-457.	5.3	81
233	Immunoassay for carcinoembryonic antigen based on the Zn2+-enhanced fluorescence of magnetic-fluorescent nanocomposites. Sensors and Actuators B: Chemical, 2015, 206, 43-49.	4.0	27
234	Electrochemiluminescence of peroxydisulfate using flower-like Ag@Au-paper electrode and Pd@Au-assisted multiple enzymatic labels. Electrochimica Acta, 2014, 141, 391-397.	2.6	8

#	Article	IF	Citations
235	Glucose oxidase-encapsulated nanogold hollow microspheres as labels based on a sensitive electroluminescent immunoassay. RSC Advances, 2014, 4, 52796-52803.	1.7	4
236	Grapheneâ€“palladium nanowires based electrochemical sensor using ZnFe2O4â€“graphene quantum dots as an effective peroxidase mimic. Analytica Chimica Acta, 2014, 852, 181-188.	2.6	47
237	An RNA aptamer-based electrochemical biosensor for sensitive detection of malachite green. RSC Advances, 2014, 4, 60987-60994.	1.7	18
238	Chemiluminescence excited paper-based photoelectrochemical competitive immunosensing based on porous ZnO spheres and CdS nanorods. Journal of Materials Chemistry B, 2014, 2, 7679-7684.	2.9	23
239	Growth of gold-manganese oxide nanostructures on a 3D origami device for glucose-oxidase label based electrochemical immunosensor. Biosensors and Bioelectronics, 2014, 61, 76-82.	5.3	96
240	Hand-drawn&written pen-on-paper electrochemiluminescence immunodevice powered by rechargeable battery for low-cost point-of-care testing. Biosensors and Bioelectronics, 2014, 61, 21-27.	5.3	46
241	A photoelectrochemical biosensor using ruthenium complex-reduced graphene oxide hybrid as the photocurrent signal reporter assembled on rhombic TiO2 nanocrystals driven by visible light. Analytica Chimica Acta, 2014, 828, 27-33.	2.6	19
242	Sandwich-type electrochemiluminescence immunosensor based on poly(acrylic acid) coated Fe3O4 composite for human chorionic gonadotrophin detection using quantum dots functionalized CNTs as labels. Monatshefte FÃ¼r Chemie, 2014, 145, 147-154.	0.9	2
243	Ultrasensitive chemiluminescence detection of DNA on a microfluidic paper-based analytical device. Monatshefte FÃ¼r Chemie, 2014, 145, 129-135.	0.9	19
244	Auâ€“Pt nanoparticle-based electrochemiluminescence immunoassay of a cancer biomarker using ZnO nanospheres coated with CdTe quantum dots as labels. Monatshefte FÃ¼r Chemie, 2014, 145, 121-127.	0.9	2
245	Magnetic nanoparticle-based electrochemiluminescent immunosensor for detection of carcinoembryonic antigen based on silica nanosphere@gold nanoparticles-Ru as labels. Monatshefte FÃ¼r Chemie, 2014, 145, 113-120.	0.9	3
246	Highly sensitive hybridization assay using the electrochemiluminescence of an ITO electrode, CdTe quantum dots functionalized with hierarchical nanoporous PtFe nanoparticles, and magnetic graphene nanosheets. Mikrochimica Acta, 2014, 181, 213-222.	2.5	6
247	Sensitive origami dual-analyte electrochemical immunodevice based on polyaniline/Au-paper electrode and multi-labeled 3D graphene sheets. Electrochimica Acta, 2014, 120, 102-109.	2.6	61
248	Aptamer based test stripe for ultrasensitive detection of mercury(II) using a phenylene-ethynylene reagent on nanoporous silver as a chemiluminescence reagent. Mikrochimica Acta, 2014, 181, 663-670.	2.5	31
249	An origami electrochemiluminescence immunosensor based on gold/graphene for specific, sensitive point-of-care testing of carcinoembryonic antigen. Sensors and Actuators B: Chemical, 2014, 193, 247-254.	4.0	48
250	Application of ZnO quantum dots dotted carbon nanotube for sensitive electrochemiluminescence immunoassay based on simply electrochemical reduced Pt/Au alloy and a disposable device. Analytica Chimica Acta, 2014, 818, 46-53.	2.6	31
251	Disposable electrochemical immunosensor based on peroxidase-like magnetic silicaâ€“graphene oxide composites for detection of cancer antigen 153. Sensors and Actuators B: Chemical, 2014, 192, 317-326.	4.0	54
252	Colorimetric assay of K-562 cells based on folic acid-conjugated porous bimetallic Pd@Au nanoparticles for point-of-care testing. Chemical Communications, 2014, 50, 475-477.	2.2	99

#	Article	IF	Citations
253	Photoelectrochemical sensor for pentachlorophenol on microfluidic paper-based analytical device based on the molecular imprinting technique. Biosensors and Bioelectronics, 2014, 56, 97-103.	5.3	107
254	Paper-based colorimetric immunosensor for visual detection of carcinoembryonic antigen based on the high peroxidase-like catalytic performance of ZnFe₂O₄â€“multiwalled carbon nanotubes. Analyst, The, 2014, 139, 251-258.	1.7	64
255	Multiplex electrochemical origami immunodevice based on cuboid silver-paper electrode and metal ions tagged nanoporous silverâ€“chitosan. Biosensors and Bioelectronics, 2014, 56, 167-173.	5.3	69
256	Application of ZnO/graphene and S6 aptamers for sensitive photoelectrochemical detection of SK-BR-3 breast cancer cells based on a disposable indium tin oxide device. Biosensors and Bioelectronics, 2014, 51, 413-420.	5.3	103
257	Electrophoretic separation in a microfluidic paper-based analytical device with an on-column wireless electrogenerated chemiluminescence detector. Chemical Communications, 2014, 50, 5699.	2.2	65
258	Electrochemical device based on a Pt nanosphere-paper working electrode for in situ and real-time determination of the flux of H₂O₂releasing from SK-BR-3 cancer cells. Chemical Communications, 2014, 50, 10315.	2.2	41
259	An ultrasensitive HRP labeled competitive aptasensor for oxytetracycline detection based on grapheme oxideâ€“polyaniline composites as the signal amplifiers. RSC Advances, 2014, 4, 10273.	1.7	20
260	A near-infrared light photoelectrochemical immunosensor based on a Au-paper electrode and naphthalocyanine sensitized ZnO nanorods. Journal of Materials Chemistry B, 2014, 2, 4811.	2.9	24
261	A three-dimensional origami-based immuno-biofuel cell for self-powered, low-cost, and sensitive point-of-care testing. Chemical Communications, 2014, 50, 1947.	2.2	76
262	A 3D origami electrochemical immunodevice based on a Au@Pd alloy nanoparticle-paper electrode for the detection of carcinoembryonic antigen. Journal of Materials Chemistry B, 2014, 2, 6669-6674.	2.9	36
263	Bright lights yield drug readout. Nature Chemical Biology, 2014, 10, 490-491.	3.9	3
264	Selfâ€Powered and Sensitive DNA Detection in a Threeâ€Dimensional Origamiâ€Based Biofuel Cell Based on a Porous Ptâ€Paper Cathode. Chemistry - A European Journal, 2014, 20, 12453-12462.	1.7	42
265	Paper-based electrochemical immunosensor for carcinoembryonic antigen based on three dimensional flower-like gold electrode and gold-silver bimetallic nanoparticles. Electrochimica Acta, 2014, 147, 650-656.	2.6	42
266	A novel sandwich-type electrochemical aptasensor for sensitive detection of kanamycin based on GRâ€“PANI and PAMAMâ€“Au nanocomposites. New Journal of Chemistry, 2014, 38, 4931-4937.	1.4	61
267	A chemiluminescence excited photoelectrochemistry aptamer-device equipped with a tin dioxide quantum dot/reduced graphene oxide nanocomposite modified porous Au-paper electrode. Journal of Materials Chemistry B, 2014, 2, 3462-3468.	2.9	27
268	Aptamer-Based electrochemiluminescent detection of MCF-7 cancer cells based on carbon quantum dots coated mesoporous silica nanoparticles. Electrochimica Acta, 2014, 146, 262-269.	2.6	64
269	Electrochemiluminescence immunoassay using a paper electrode incorporating porous silver and modified with mesoporous silica nanoparticles functionalized with blue-luminescent carbon dots. Mikrochimica Acta, 2014, 181, 1415-1422.	2.5	30
270	A dual amplification strategy for ultrasensitive electrochemiluminescence immunoassay based on a Pt nanoparticles dotted grapheneâ€“carbon nanotubes composite and carbon dots functionalized mesoporous Pt/Fe. Analyst, The, 2014, 139, 1713-1720.	1.7	34

#	Article	IF	Citations
271	Goldâ€“silver nanocomposite-functionalized graphene based electrochemiluminescence immunosensor using graphene quantum dots coated porous PtPd nanochains as labels. Electrochimica Acta, 2014, 123, 470-476.	2.6	55
272	Flexible paper-based ZnO nanorod light-emitting diodes induced multiplexed photoelectrochemical immunoassay. Chemical Communications, 2014, 50, 1417-1419.	2.2	166
273	A sensitive signal-off aptasensor for adenosine triphosphate based on the quenching of Ru(bpy)32+-doped silica nanoparticles electrochemiluminescence by ferrocene. Sensors and Actuators B: Chemical, 2014, 191, 377-383.	4.0	26
274	Graphene functionalized porous Au-paper based electrochemiluminescence device for detection of DNA using luminescent silver nanoparticles coated calcium carbonate/carboxymethyl chitosan hybrid microspheres as labels. Biosensors and Bioelectronics, 2014, 59, 307-313.	5.3	52
275	Application of SnO2 nanocrystal as novel electrochemiluminescence signal reporter for sensitive immunoassay with nanoporous PtRu alloy enhancement. Sensors and Actuators B: Chemical, 2014, 195, 423-430.	4.0	9
276	Paper-based electrochemical cyto-device for sensitive detection of cancer cells and in situ anticancer drug screening. Analytica Chimica Acta, 2014, 847, 1-9.	2.6	87
277	Lab-on-paper-based devices using chemiluminescence and electrogenerated chemiluminescence detection. Analytical and Bioanalytical Chemistry, 2014, 406, 5613-5630.	1.9	73
278	Using â€œdioscorea batatas beanâ€•like silver nanoparticles based localized surface plasmon resonance to enhance the fluorescent signal of zinc oxide quantum dots in a DNA sensor. Biosensors and Bioelectronics, 2014, 61, 344-350.	5.3	10
279	Paper-based electrochemiluminescence immunodevice for carcinoembryonic antigen using nanoporous gold-chitosan hybrids and graphene quantum dots functionalized Au@Pt. Sensors and Actuators B: Chemical, 2014, 202, 314-322.	4.0	59
280	Analysis of the interaction of a new series of rhodanine derivatives with bovine serum albumin by fluorescence quenching. Monatshefte FÃ¼r Chemie, 2014, 145, 167-173.	0.9	7
281	Development of a 3D origami multiplex electrochemical immunodevice using a nanoporous silver-paper electrode and metal ion functionalized nanoporous goldâ€“chitosan. Chemical Communications, 2013, 49, 9540.	2.2	44
282	Ultrasensitive electrochemiluminescence immunosensor based on nanoporous gold electrode and Ru-AuNPs/graphene as signal labels. Sensors and Actuators B: Chemical, 2013, 181, 50-56.	4.0	27
283	Ultrasensitive Electrochemiluminescence Immunoassay for Protein Specific Detection Based on Dendrimer-Encapsulated Gold Nanoparticles Labels. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 1113-1121.	1.9	8
284	Photoelectrochemical Sensor Based on Molecularly Imprinted Polymer-Coated TiO2 Nanotubes for Lindane Specific Recognition and Detection. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 703-711.	1.9	28
285	Highly sensitive chemiluminescence immunoassay on chitosan membrane modified paper platform using TiO₂ nanoparticles/multiwalled carbon nanotubes as label. Luminescence, 2013, 28, 496-502.	1.5	25
286	A paper-based photoelectrochemical immunoassay for low-cost and multiplexed point-of-care testing. Chemical Communications, 2013, 49, 3294.	2.2	83
287	A novel microfluidic origami photoelectrochemical sensor based on CdTe quantum dots modified molecularly imprinted polymer and its highly selective detection of S-fenvalerate. Electrochimica Acta, 2013, 107, 147-154.	2.6	85
288	Molecularly Imprinted Polymer Grafted Porous Auâ€Paper Electrode for an Microfluidic Electroâ€Analytical Origami Device. Advanced Functional Materials, 2013, 23, 3115-3123.	7.8	115

#	Article	IF	Citations
289	Electrochemical immunosensor based on grapheneâ€“polyaniline composites and carboxylated graphene oxide for estradiol detection. Sensors and Actuators B: Chemical, 2013, 188, 99-105.	4.0	77
290	Electrochemiluminescence of blue-luminescent graphene quantum dots and its application in ultrasensitive aptasensor for adenosine triphosphate detection. Biosensors and Bioelectronics, 2013, 47, 271-277.	5.3	137
291	Photoelectrochemical lab-on-paper device equipped with a porous Au-paper electrode and fluidic delay-switch for sensitive detection of DNA hybridization. Lab on A Chip, 2013, 13, 3945.	3.1	76
292	Ultrasensitive electrochemical immunoassay for carcinoembryonic antigen based on three-dimensional macroporous gold nanoparticles/graphene composite platform and multienzyme functionalized nanoporous silver label. Analytica Chimica Acta, 2013, 775, 85-92.	2.6	65
293	â€œSugarcoated haws on a stickâ€•like MWNTsâ€“Fe3O4â€“C coaxial nanomaterial: Synthesis, characterization and application in electrochemiluminescence immunoassays. Biosensors and Bioelectronics, 2013, 47, 68-74.	5.3	19
294	Rechargeable battery-based constant-potential electroluminescence multiplexed immunoassay on single working electrode for sequentially anodic and cathodic detection through a self-assembly toggle switch. Sensors and Actuators B: Chemical, 2013, 183, 488-495.	4.0	7
295	3D microfluidic origami electrochemiluminescence immunodevice for sensitive point-of-care testing of carcinoma antigen 125. Sensors and Actuators B: Chemical, 2013, 176, 1-8.	4.0	62
296	Battery-triggered ultrasensitive electrochemiluminescence detection on microfluidic paper-based immunodevice based on dual-signal amplification strategy. Analytica Chimica Acta, 2013, 767, 66-74.	2.6	72
297	TiO2â€“graphene complex nanopaper for paper-based label-free photoelectrochemical immunoassay. Electrochimica Acta, 2013, 112, 620-628.	2.6	29
298	Molecularly imprinted polymer grafted paper-based multi-disk micro-disk plate for chemiluminescence detection of pesticide. Biosensors and Bioelectronics, 2013, 50, 262-268.	5.3	91
299	A visible light photoelectrochemical sensor for tumor marker detection using tin dioxide quantum dotâ€“graphene as labels. Analyst, The, 2013, 138, 7112.	1.7	22
300	Fluorescence-based immunoassay for human chorionic gonadotropin based on polyfluorene-coated silica nanoparticles and polyaniline-coated Fe3O4 nanoparticles. Mikrochimica Acta, 2013, 180, 1509-1516.	2.5	14
301	Goldâ€“silver nanocomposite-functionalized graphene sensing platform for an electrochemiluminescent immunoassay of a tumor marker. RSC Advances, 2013, 3, 14701.	1.7	40
302	An aptasensor for sensitive detection of human breast cancer cells by using porous GO/Au composites and porous PtFe alloy as effective sensing platform and signal amplification labels. Analytica Chimica Acta, 2013, 798, 33-39.	2.6	94
303	3D origami electrochemiluminescence immunodevice based on porous silver-paper electrode and nanoporous silver double-assisted signal amplification. Sensors and Actuators B: Chemical, 2013, 188, 417-424.	4.0	28
304	Preparation of Fe3O4@C@CNC multifunctional magnetic core/shell nanoparticles and their application in a signal-type flow-injection photoluminescence immunosensor. Analytical and Bioanalytical Chemistry, 2013, 405, 9555-9561.	1.9	4
305	Paper-based photoelectrochemical immunosensing based on CdS QD sensitized multidimensional porous ZnO spheres promoted by carbon nanotubes. Chemical Communications, 2013, 49, 10400-10402.	2.2	26
306	A 3D origami multiple electrochemiluminescence immunodevice based on a porous silver-paper electrode and multi-labeled nanoporous goldâ€“carbon spheres. Chemical Communications, 2013, 49, 7687.	2.2	37

#	Article	IF	Citations
307	A disposable immunosensor device for point-of-care test of tumor marker based on copper-mediated amplification. Biosensors and Bioelectronics, 2013, 43, 425-431.	5.3	56
308	Triple catalysis amplification strategy for simultaneous multiplexed electrochemical immunoassays based on cactus-like MnO2 functionalized nanoporous gold. Sensors and Actuators B: Chemical, 2013, 186, 545-549.	4.0	16
309	Three-dimensional nanoflower-like MnO2 functionalized graphene as catalytically promoted nanolabels for ultrasensitive electrochemiluminescence immunoassay. Electrochimica Acta, 2013, 97, 333-340.	2.6	28
310	Ultrasensitive electrochemiluminescence immunoassay for tumor marker based on quantum dots coated carbon nanospheres. Journal of Luminescence, 2013, 144, 6-12.	1.5	10
311	Electrochemical sensor using neomycin-imprinted film as recognition element based on chitosan-silver nanoparticles/graphene-multiwalled carbon nanotubes composites modified electrode. Biosensors and Bioelectronics, 2013, 44, 70-76.	5.3	122
312	Determination of Oxytetracycline with a Gold Electrode Modified by Chitosan-Multiwalled Carbon Nanotube Multilayer Films and Gold Nanoparticles. Analytical Letters, 2013, 46, 1117-1131.	1.0	22
313	Synthesis and characterization of graphene nanosheets attached to spiky MnO2 nanospheres and its application in ultrasensitive immunoassay. Carbon, 2013, 57, 22-33.	5.4	64
314	Photoelectrochemical Lab-on-Paper Device Based on an Integrated Paper Supercapacitor and Internal Light Source. Analytical Chemistry, 2013, 85, 3961-3970.	3.2	142
315	Visible light photoelectrochemical sensor based on Au nanoparticles and molecularly imprinted poly(o-phenylenediamine)-modified TiO₂nanotubes for specific and sensitive detection chlorpyrifos. Analyst, The, 2013, 138, 939-945.	1.7	84
316	Coreâ€“shell Fe3O4â€“Au magnetic nanoparticles based nonenzymatic ultrasensitive electrochemiluminescence immunosensor using quantum dots functionalized graphene sheet as labels. Analytica Chimica Acta, 2013, 770, 132-139.	2.6	51
317	A disposable simultaneous electrochemical sensor array based on a molecularly imprinted film at a NH2-graphene modified screen-printed electrode for determination of psychotropic drugs. Analyst, The, 2013, 138, 2704.	1.7	49
318	Photoelectrochemical lab-on-paper device based on molecularly imprinted polymer and porous Au-paper electrode. Analyst, The, 2013, 138, 4802.	1.7	32
319	Ultrasensitive electrochemiluminescence immunosensor for tumor marker detection based on nanoporous sliver@carbon dots as labels. Sensors and Actuators B: Chemical, 2013, 186, 761-767.	4.0	42
320	A microfluidic origami electrochemiluminescence aptamer-device based on a porous Au-paper electrode and a phenyleneethynylene derivative. Chemical Communications, 2013, 49, 1383-1385.	2.2	80
321	A disposable electrochemiluminescence device for ultrasensitive monitoring of K562 leukemia cells based on aptamers and ZnO@carbon quantum dots. Biosensors and Bioelectronics, 2013, 49, 79-85.	5.3	92
322	In situ assembly of porous Au-paper electrode and functionalization of magnetic silica nanoparticles with HRP via click chemistry for Microcystin-LR immunoassay. Biosensors and Bioelectronics, 2013, 49, 111-117.	5.3	61
323	Facile and sensitive paper-based chemiluminescence DNA biosensor using carbon dots dotted nanoporous gold signal amplification label. Analytical Methods, 2013, 5, 1328.	1.3	76
324	Ultrasensitive electrochemiluminescence detection of lengthy DNA molecules based on dual signal amplification. Analyst, The, 2013, 138, 3463.	1.7	14

#	Article	IF	Citations
325	Ultrasensitive electrochemiluminescent immunosensor based on dual signal amplification strategy of gold nanoparticles-dotted graphene composites and CdTe quantum dots coated silica nanoparticles. Analytical and Bioanalytical Chemistry, 2013, 405, 4921-4929.	1.9	27
326	Electropolymerized Poly(3,4-ethylendioxythiophene)/Graphene Composite Film and its Application in Quantum Dots Electrochemiluminescence Immunoassay. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 719-725.	1.9	14
327	Three-dimensional paper-based electrochemiluminescence device for simultaneous detection of Pb2+ and Hg2+ based on potential-control technique. Biosensors and Bioelectronics, 2013, 41, 544-550.	5.3	177
328	Multiplexed sandwich immunoassays using flow-injection electrochemiluminescence with designed substrate spatial-resolved technique for detection of tumor markers. Biosensors and Bioelectronics, 2013, 41, 684-690.	5.3	91
329	Synthesis of polyaniline using electrochemical polymerization and application in a sensitive DNA biosensor with [Ru(bpy)3]2+ functionalized nanoporous gold composite as label. Monatshefte FÃ¼r Chemie, 2013, 144, 1759-1765.	0.9	5
330	Magnetic beads-based electrochemiluminescence immunosensor for determination of cancer markers using quantum dot functionalized PtRu alloys as labels. Analyst, The, 2012, 137, 2176.	1.7	61
331	A novel high selectivity chemiluminescence sensor for fenvalerate based on double-sided hollow molecularly imprinted materials. Analyst, The, 2012, 137, 4247.	1.7	18
332	Rechargeable battery-triggered electrochemiluminescence detection on microfluidic origami immunodevice based on two electrodes. Chemical Communications, 2012, 48, 9971.	2.2	36
333	Multi-branch chemiluminescenceâ€“molecular imprinting sensor for sequential determination of carbofuran and omethoate in foodstuff. Analytical Methods, 2012, 4, 3150.	1.3	14
334	Synthesis, characterization of a novel phenyleneethynylene derivative and application in a fluorescence DNA sensor. Analytical Methods, 2012, 4, 4339.	1.3	4
335	Battery-triggered microfluidic paper-based multiplex electrochemiluminescence immunodevice based on potential-resolution strategy. Lab on A Chip, 2012, 12, 4489.	3.1	114
336	Magnetic graphene nanosheets based electrochemiluminescence immunoassay of cancer biomarker using CdTe quantum dots coated silica nanospheres as labels. Talanta, 2012, 99, 512-519.	2.9	48
337	A novel label-free electrochemical aptasensor based on grapheneâ€“polyaniline composite film for dopamine determination. Biosensors and Bioelectronics, 2012, 36, 186-191.	5.3	176
338	Electrochemical immunoassay on a 3D microfluidic paper-based device. Chemical Communications, 2012, 48, 4683.	2.2	199
339	Electrochemical sensor based on gold nanoparticles fabricated molecularly imprinted polymer film at chitosanâ€“platinum nanoparticles/grapheneâ€“gold nanoparticles double nanocomposites modified electrode for detection of erythromycin. Biosensors and Bioelectronics, 2012, 38, 163-169.	5.3	224
340	A disposable electrochemical immunosensor based on carbon screen-printed electrodes for the detection of prostate specific antigen. Biosensors and Bioelectronics, 2012, 38, 355-361.	5.3	100
341	Electrochemical DNA sensor based on three-dimensional folding paper device for specific and sensitive point-of-care testing. Electrochimica Acta, 2012, 80, 334-341.	2.6	161
342	Application of indium tin oxide device in gold-coated magnetic iron solid support enhanced electrochemiluminescent immunosensor for determination of carcinoma embryonic antigen. Sensors and Actuators B: Chemical, 2012, 171-172, 891-898.	4.0	25

#	Article	IF	Citations
343	Ultrasensitive electrochemiluminescence immunoassay for tumor marker detection using functionalized Ru-silica@nanoporous gold composite as labels. Analyst, The, 2012, 137, 680-685.	1.7	59
344	Ultrasensitive electrochemiluminescence detection of DNA based on nanoporous gold electrode and PdCu@carbon nanocrystal composites as labels. Analyst, The, 2012, 137, 3314.	1.7	18
345	Fluorescence immunosensor based on p-acid-encapsulated silica nanoparticles for tumor marker detection. Analyst, The, 2012, 137, 2834.	1.7	23
346	Monitoring of bovine serum albumin using ultrasensitive electrochemiluminescence biosensors based on multilayer CdTe quantum dots modified indium tin oxide electrodes. Analytical Methods, 2012, 4, 460-466.	1.3	13
347	Simple and covalent fabrication of a paper device and its application in sensitive chemiluminescence immunoassay. Analyst, The, 2012, 137, 3821.	1.7	80
348	Ultrasensitive electrochemiluminescence immunosensor using PtAg@carbon nanocrystals composites as labels and carbon nanotubes-chitosan/gold nanoparticles as enhancer. Analyst, The, 2012, 137, 2112.	1.7	36
349	A disposable paper-based electrochemical sensor with an addressable electrode array for cancer screening. Chemical Communications, 2012, 48, 9397.	2.2	99
350	Disposable electrochemical immunosensor for simultaneous assay of a panel of breast cancer tumor markers. Analyst, The, 2012, 137, 4727.	1.7	36
351	A novel high selectivity sensor for tetradifon residues based on double-side hollow molecularly imprinted materials. Analytical Methods, 2012, 4, 177-182.	1.3	4
352	3D Origami-based multifunction-integrated immunodevice: low-cost and multiplexed sandwich chemiluminescence immunoassay on microfluidic paper-based analytical device. Lab on A Chip, 2012, 12, 3150.	3.1	257
353	Electrogenerated Chemiluminescence from a Phenyleneethynylene Derivative and its Ultrasensitive Immunosensing Application Using a Nanotubular Mesoporous Ptâ€“Ag Alloy for Signal Amplification. Advanced Functional Materials, 2012, 22, 3899-3906.	7.8	30
354	Paperâ€Based Electrochemiluminescent 3D Immunodevice for Labâ€onâ€Paper, Specific, and Sensitive Pointâ€ofâ€Care Testing. Chemistry - A European Journal, 2012, 18, 4938-4945.	1.7	132
355	A novel conjugated polyfluorene: synthesis, characterization and application in label-free ECL immunoassays for biomarker detection. Journal of Materials Chemistry, 2012, 22, 5568.	6.7	12
356	Three-dimensional paper-based electrochemiluminescence immunodevice for multiplexed measurement of biomarkers and point-of-care testing. Biomaterials, 2012, 33, 1024-1031.	5.7	344
357	Electrochemical biosensor based on graphene oxideâ€“Au nanoclusters composites for l-cysteine analysis. Biosensors and Bioelectronics, 2012, 31, 49-54.	5.3	205
358	Paper-based chemiluminescence ELISA: Lab-on-paper based on chitosan modified paper device and wax-screen-printing. Biosensors and Bioelectronics, 2012, 31, 212-218.	5.3	396
359	Electrochemical sensor based on molecularly imprinted film at polypyrrole-sulfonated graphene/hyaluronic acid-multiwalled carbon nanotubes modified electrode for determination of tryptamine. Biosensors and Bioelectronics, 2012, 31, 277-283.	5.3	160
360	Ultrasensitive electrochemical immunosensor based on Au nanoparticles dotted carbon nanotubeâ€“graphene composite and functionalized mesoporous materials. Biosensors and Bioelectronics, 2012, 33, 29-35.	5.3	150

#	Article	IF	Citations
361	Paper-based three-dimensional electrochemical immunodevice based on multi-walled carbon nanotubes functionalized paper for sensitive point-of-care testing. Biosensors and Bioelectronics, 2012, 32, 238-243.	5.3	159
362	Fluorescent sensor based on a novel conjugated polyfluorene derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 218-223.	2.0	7
363	One novel chemiluminescence sensor for determination of fenpropathrin based on molecularly imprinted porous hollow microspheres. Sensors and Actuators B: Chemical, 2012, 162, 166-172.	4.0	23
364	Determination of l-proline based on anodic electrochemiluminescence of CdTe quantum dots. Journal of Luminescence, 2012, 132, 938-943.	1.5	11
365	Detection of <scp>L</scp>â€phenylalanine using molecularly imprinted solidâ€phase extraction and flow injection electrochemiluminescence. Journal of Separation Science, 2012, 35, 320-326.	1.3	12
366	Electrochemical Sensor for Detection of Trichlorfon Based on Molecularly Imprinted Solâ€“Gel Films Modified Glassy Carbon Electrode. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 37-41.	1.9	8
367	Flow injection electrochemiluminescence determination of l-lysine using tris(2,2â€²-bipyridyl) ruthenium(ii) (Ru(bpy)32+) on indium tin oxide (ITO) glass. Analytical Methods, 2011, 3, 1163.	1.3	14
368	Microfluidic paper-based chemiluminescence biosensor for simultaneous determination of glucose and uric acid. Lab on A Chip, 2011, 11, 1286.	3.1	296
369	SiO2 beads with quantum dots: Preparation and stability investigation for bioapplications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 385, 159-165.	2.3	7
370	Photo-Degradation Study of CdTe Nanocrystals by Fluorescence Measurement. Journal of Fluorescence, 2011, 21, 1913-1919.	1.3	3
371	Molecular Self-Assembled Microcapsules Prepared by In Situ Polymerization Technology for Self-Healing Cement Materials. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 841-845.	1.9	9
372	Synthesis of a Novel Rigid Artificial Superoxide Dismutase Based on Modified Hollow Mesoporous Silica Microspheres. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 809-815.	1.9	3
373	A Novel Molecularly Imprinted Coreâ€“Shell Chemiluminescence Sensor: Preparation and Pendimethalin Recognition. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 846-851.	1.9	3
374	An electrochemiluminescence sensor for determination of durabolin based on CdTe QD films by layer-by-layer self-assembly. Analytical and Bioanalytical Chemistry, 2011, 400, 807-814.	1.9	17
375	Facile and scalable synthesis of a novel rigid artificial superoxide dismutase based on modified hollow mesoporous silica microspheres. Biosensors and Bioelectronics, 2011, 26, 1936-1941.	5.3	16
376	A novel chemiluminescence paper microfluidic biosensor based on enzymatic reaction for uric acid determination. Biosensors and Bioelectronics, 2011, 26, 3284-3289.	5.3	178
377	Fluorescence resonance energy transfer sensor between quantum dot donors and neutral red acceptors and its detection of BSA in micelles. Dyes and Pigments, 2011, 91, 304-308.	2.0	29
378	Determination of sibutramine with a new sensor based on luminol electrochemiluminescence. Journal of Luminescence, 2011, 131, 1515-1519.	1.5	11

#	Article	IF	Citations
379	Determination of glyphosate in foodstuff by one novel chemiluminescence-molecular imprinting sensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 1482-1486.	2.0	41
380	Development of a novel deltamethrin sensor based on molecularly imprinted silica nanospheres embedded CdTe quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1704-1709.	2.0	58
381	Layer-by-layer self-assembly CdTe quantum dots and molecularly imprinted polymers modified chemiluminescence sensor for deltamethrin detection. Sensors and Actuators B: Chemical, 2011, 156, 222-227.	4.0	55
382	A novel enzyme biosensor for glucose based on rhodanine derivative chemiluminescence system and mesoporous hollow silica microspheres receptor. Biosensors and Bioelectronics, 2010, 25, 2065-2070.	5.3	39
383	Molecularly imprinted polymeric microspheres for determination of bovine serum albumin based on flow injection chemiluminescence sensor. Biosensors and Bioelectronics, 2010, 26, 632-637.	5.3	48
384	On-line molecular imprinted solid-phase extraction flow-injection fluorescence sensor for determination of florfenicol in animal tissues. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 615-619.	1.4	35
385	Determination of thallium(III) with novel arsenoxylphenylazo rhodanine after pre-concentration and separation. International Journal of Environmental Analytical Chemistry, 2010, 90, 1139-1147.	1.8	3
386	BSA activated CdTequantum dot nanosensor for antimony ion detection. Analyst, The, 2010, 135, 111-115.	1.7	50
387	High selectivity chemiluminescence sensor for determination of puerarin in diet foods/weight loss promoters based on novel rhodanine and monodisperse molecularly imprinted microspheres. Analytical Methods, 2010, 2, 1506.	1.3	4
388	A High Throughput Chemiluminescence Method Based On Molecularly Imprinted Sol-gel Films For Determination Of Sibutramine. Advanced Materials Letters, 2010, 1, 164-169.	0.3	5
389	Quantification of fenfluramine with a molecularly imprinted chemiluminescence sensor and sulfonophenylazo rhodanine. Journal of Separation Science, 2009, 32, 2170-2179.	1.3	12
390	Highly selective determination of phenolphthalein by flow injection chemiluminescence method based on a molecular imprinting polymer. Luminescence, 2009, 24, 444-447.	1.5	9
391	Highly selective molecular recognition and high throughput detection of melamine based on molecularly imprinted solâ€“gel film. Analytica Chimica Acta, 2009, 651, 209-214.	2.6	63
392	Molecular simulation of the interaction between novel type rhodanine derivative probe and bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 277-281.	2.0	23
393	Study on the interaction among molecules and the determination of DNA by light scattering with a new type rhodanine derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 875-880.	2.0	1
394	Quantification of Sorbic Acid Using the Molecularly Imprinted Chemiluminescence Method with Rhodanine Derivative. Analytical Sciences, 2009, 25, 1351-1356.	0.8	9
395	DETERMINATION OF BSA BY ITS ENHANCEMENT EFFECT ON SECOND-ORDER SCATTERING OF 3-(4'-METHYL) Tj ETQq1 1 0.784314 rgBT 0		
396	Comparison of a Resonant Mirror Biosensor (IAsys) and a Quartz Crystal Microbalance (QCM) for the Study on Interaction between Paeoniae Radix 801 and Endothelin-1. Sensors, 2008, 8, 8275-8290.	2.1	5

#	Article	IF	Citations
397	STUDIES ON DETERMINATION OF DEOXYRIBONUCLEIC ACID BY SECOND ORDER SCATTERING WITH A NOVEL RHODANINE. , 2008, , .		0
398	FLUORESCENCE CHARACTERISTICS OF NOVEL CHLOROPHENYL-ARSENOXYLPHENYLAZO RHODANINES AND APPLICATION IN THE DETERMINATION OF THALLIUM (I). , 2008, , .		0
399	MICROEMULSION SENSITIZED DETERMINATION OF BSA WITH 3-(4'-METHYLPHENYL)-5-(2'-SULFOPHENYLAZO) RHODANINE BY RESONANCE RAYLEIGH SCATTERING METHOD. , 2008, , .		0
400	DETERMINATION OF ASCORBIC ACID BY A FLOW INJECTION CHEMILUMINESCENCE METHOD WITH A NOVEL RHODANINE. , 2008, , .		0