Jinghua Yu

List of Publications by Year in descending order

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		11651	29157
400	18,189	70	104
papers	citations	h-index	g-index

414	414	414	14093
all docs	docs citations	times ranked	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.	12.7	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.	7.8	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.	6.5	45
4	Photoelectrochemical Detection of Exosomal miRNAs by Combining Target-Programmed Controllable Signal Quenching Engineering. Analytical Chemistry, 2022, 94, 3082-3090.	6.5	22
5	Laser ablative TiO2 and tremella-like CuInS2 nanocomposites for robust and ultrasensitive photoelectrochemical sensing of let-7a. Mikrochimica Acta, 2022, 189, 145.	5.0	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, , .	5.8	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.	7.8	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.	9.4	0
9	Strength Enhancement of Regenerated Cellulose Fibers by Adjustment of Hydrogen Bond Distribution in Ionic Liquid. Polymers, 2022, 14, 2030.	4.5	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.	6.5	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.	6.5	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.	8.0	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.	10.1	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.	7.8	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.	12.7	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.	12.4	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.	7.8	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.	5.5	26

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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.	12.7	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.	5.4	30
21	Direct-readout photoelectrochemical lab-on-paper biosensing platform based on coupled electricity generating system and paper supercapacitors. Talanta, 2021, 222, 121517.	5.5	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.	12.7	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.	3.5	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.	8.0	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.	6.5	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.	8.0	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.	8.0	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.	8.0	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.	8.0	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.	8.0	32
31	Target-swiped DNA lock for electrochemical sensing of miRNAs based on DNAzyme-assisted primer-generation amplification. Mikrochimica Acta, 2021, 188, 255.	5.0	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.	8.0	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.	4.9	9
34	Accurate and Nonpurified Identification of Extracellular Vesicles Using Dual-Binding Recognition Mode. Analytical Chemistry, 2021, 93, 12383-12390.	6.5	19
35	3D DNA Walker-Assisted CRISPR/Cas12a Trans-Cleavage for Ultrasensitive Electrochemiluminescence Detection of miRNA-141. Analytical Chemistry, 2021, 93, 13373-13381.	6.5	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.	20.2	34

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37	Electrochemiluminescence biosensor based on molybdenum disulfide-graphene quantum dots nanocomposites and DNA walker signal amplification for DNA detection. Mikrochimica Acta, 2021, 188, 353.	5.0	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.	7.8	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.	7.8	23
40	All-sealed paper-based electrochemiluminescence platform for on-site determination of lead ions. Biosensors and Bioelectronics, 2021, 192, 113524.	10.1	17
41	Paper-Based Bipolar Electrode Electrochemiluminescence Platform for Detection of Multiple miRNAs. Analytical Chemistry, 2021, 93, 1702-1708.	6.5	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.	4.1	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.	5.0	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.	10.1	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.	10.1	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.	10.1	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.	12.7	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.	7.8	17
49	Proximity-enabled bidirectional enzymatic repairing amplification for ultrasensitive fluorescence sensing of adenosine triphosphate. Analytica Chimica Acta, 2020, 1104, 156-163.	5.4	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.	12.4	39
51	Peptide cleavage-mediated photoelectrochemical signal on-off via CuS electronic extinguisher for PSA detection. Biosensors and Bioelectronics, 2020, 150, 111958.	10.1	30
52	Paper-based closed Au-Bipolar electrode electrochemiluminescence sensing platform for the detection of miRNA-155. Biosensors and Bioelectronics, 2020, 150, 111917.	10.1	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.	3.6	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.	7.8	23

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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.	7.8	18
56	Ultrasensitive photoelectrochemical sensor enabled by a target-induced signal quencher release strategy. New Journal of Chemistry, 2020, 44, 13882-13888.	2.8	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.	7.8	22
58	Paper-based electrochemiluminescence determination of streptavidin using reticular DNA-functionalized PtCu nanoframes and analyte-triggered DNA walker. Mikrochimica Acta, 2020, 187, 530.	5.0	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.	8.0	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.	7.8	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.	6.5	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.	6.5	32
63	Reversible electron storage in tandem photoelectrochemical cell for light driven unassisted overall water splitting. Applied Catalysis B: Environmental, 2020, 275, 119094.	20.2	37
64	Paper-based sandwich type SERS sensor based on silver nanoparticles and biomimetic recognizer. Sensors and Actuators B: Chemical, 2020, 313, 127989.	7.8	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.	8.0	46
66	Highly efficient fluorescence sensing of kanamycin using Endo IV-powered DNA walker and hybridization chain reaction amplification. Mikrochimica Acta, 2020, 187, 193.	5.0	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.	8.0	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.	6.5	117
69	Ultrasensitive Paper-Based Photoelectrochemical Sensing Platform Enabled by the Polar Charge Carriers-Created Electric Field. Analytical Chemistry, 2020, 92, 2902-2906.	6.5	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.	7.8	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.	3.5	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.	5.0	34

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73	Triple-helix molecular-switch-actuated exponential rolling circular amplification for ultrasensitive fluorescence detection of miRNAs. Analyst, The, 2019, 144, 5245-5253.	3.5	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.	3.5	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.	6.5	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.	3.5	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.	7.8	94
79	Noninvasive and Wearable Respiration Sensor Based on Organic Semiconductor Film with Strong Electron Affinity. Analytical Chemistry, 2019, 91, 10320-10327.	6.5	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.	6.5	49
81	Wide-Spectrum-Responsive Paper-Supported Photoelectrochemical Sensing Platform Based on Black Phosphorus-Sensitized TiO₂. ACS Applied Materials & Interfaces, 2019, 11, 41062-41068.	8.0	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.	3.5	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.	10.1	26
84	Photoelectrochemical biosensor of HIV-1 based on cascaded photoactive materials and triple-helix molecular switch. Biosensors and Bioelectronics, 2019, 139, 111325.	10.1	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.	5.0	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.	5.0	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.	3.5	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.	8.0	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.	6.5	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.	20.2	29

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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.	5.5	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.	3.5	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.	10.1	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.	3.5	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.	10.1	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.	7.8	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.	10.1	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.	8.0	32
99	A Photoresponsive Rutile TiO₂ Heterojunction with Enhanced Electronâ€“Hole Separation for Highâ€Performance Hydrogen Evolution. Advanced Materials, 2019, 31, e1806596.	21.0	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.	5.1	14
101	Molecular Threading-Dependent Mass Transport in Paper Origami for Single-Step Electrochemical DNA Sensors. Nano Letters, 2019, 19, 369-374.	9.1	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.	2.0	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.	8.0	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.	20.2	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.	7.8	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.	7.8	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.	5.0	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.	10.1	108

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109	Solar driven electrochromic photoelectrochemical fuel cells for simultaneous energy conversion, storage and self-powered sensing. Nanoscale, 2018, 10, 3421-3428.	5.6	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.	8.0	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.	8.0	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.	7.8	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.	10.1	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.	7.8	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.	10.1	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.	3.9	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.	7.8	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.	10.1	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.	6.5	33
120	Paperâ€Based Electronics: Flexible Electronics Based on Micro/Nanostructured Paper (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	21.0	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.	10.3	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.	6.5	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.	6.5	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.	10.1	71
125	Flexible Electronics Based on Micro/Nanostructured Paper. Advanced Materials, 2018, 30, e1801588.	21.0	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.	5.8	37

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127	Time-resolution addressable photoelectrochemical strategy based on hollow-channel paper analytical devices. Biosensors and Bioelectronics, 2018, 120, 64-70.	10.1	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.	6.5	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.	5.8	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.	5.8	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.	10.1	27
132	Nanomaterials-modified cellulose paper as a platform for biosensing applications. Nanoscale, 2017, 9, 4366-4382.	5.6	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.	5.0	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.	3.4	16
135	Metal-Enhanced Ratiometric Fluorescence/Naked Eye Bimodal Biosensor for Lead Ions Analysis with Bifunctional Nanocomposite Probes. Analytical Chemistry, 2017, 89, 3597-3605.	6.5	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.	8.0	79
137	Electrochemiluminescence DNA biosensor based onÂthe use of gold nanoparticle modified graphite-like carbon nitride. Mikrochimica Acta, 2017, 184, 2587-2596.	5.0	17
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139	A molecularly imprinted polypyrrole for ultrasensitive voltammetric determination of glyphosate. Mikrochimica Acta, 2017, 184, 1959-1967.	5.0	48
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