

# Jinghua Yu

## List of Publications by Year in descending order

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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	Paper-based chemiluminescence ELISA: Lab-on-paper based on chitosan modified paper device and wax-screen-printing. <i>Biosensors and Bioelectronics</i> , 2012, 31, 212-218.	5.3	396
2	Three-dimensional paper-based electrochemiluminescence immunodevice for multiplexed measurement of biomarkers and point-of-care testing. <i>Biomaterials</i> , 2012, 33, 1024-1031.	5.7	344
3	Microfluidic paper-based chemiluminescence biosensor for simultaneous determination of glucose and uric acid. <i>Lab on A Chip</i> , 2011, 11, 1286.	3.1	296
4	3D Origami-based multifunction-integrated immunodevice: low-cost and multiplexed sandwich chemiluminescence immunoassay on microfluidic paper-based analytical device. <i>Lab on A Chip</i> , 2012, 12, 3150.	3.1	257
5	Flexible Electronics Based on Micro/Nanostructured Paper. <i>Advanced Materials</i> , 2018, 30, e1801588.	11.1	249
6	A Photoresponsive Rutile TiO <sub>2</sub> Heterojunction with Enhanced Electron-Hole Separation for High-Performance Hydrogen Evolution. <i>Advanced Materials</i> , 2019, 31, e1806596.	11.1	240
7	Electrochemical sensor based on gold nanoparticles fabricated molecularly imprinted polymer film at chitosan-platinum nanoparticles/graphene-gold nanoparticles double nanocomposites modified electrode for detection of erythromycin. <i>Biosensors and Bioelectronics</i> , 2012, 38, 163-169.	5.3	224
8	Electrochemical biosensor based on graphene oxide-Au nanoclusters composites for l-cysteine analysis. <i>Biosensors and Bioelectronics</i> , 2012, 31, 49-54.	5.3	205
9	Electrochemical immunoassay on a 3D microfluidic paper-based device. <i>Chemical Communications</i> , 2012, 48, 4683.	2.2	199
10	A novel chemiluminescence paper microfluidic biosensor based on enzymatic reaction for uric acid determination. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3284-3289.	5.3	178
11	Three-dimensional paper-based electrochemiluminescence device for simultaneous detection of Pb <sup>2+</sup> and Hg <sup>2+</sup> based on potential-control technique. <i>Biosensors and Bioelectronics</i> , 2013, 41, 544-550.	5.3	177
12	A novel label-free electrochemical aptasensor based on graphene-polyaniline composite film for dopamine determination. <i>Biosensors and Bioelectronics</i> , 2012, 36, 186-191.	5.3	176
13	Flexible paper-based ZnO nanorod light-emitting diodes induced multiplexed photoelectrochemical immunoassay. <i>Chemical Communications</i> , 2014, 50, 1417-1419.	2.2	166
14	Electrochemical DNA sensor based on three-dimensional folding paper device for specific and sensitive point-of-care testing. <i>Electrochimica Acta</i> , 2012, 80, 334-341.	2.6	161
15	Electrochemical sensor based on molecularly imprinted film at polypyrrole-sulfonated graphene/hyaluronic acid-multiwalled carbon nanotubes modified electrode for determination of tryptamine. <i>Biosensors and Bioelectronics</i> , 2012, 31, 277-283.	5.3	160
16	Paper-based three-dimensional electrochemical immunodevice based on multi-walled carbon nanotubes functionalized paper for sensitive point-of-care testing. <i>Biosensors and Bioelectronics</i> , 2012, 32, 238-243.	5.3	159
17	Ultrasensitive electrochemical immunosensor based on Au nanoparticles dotted carbon nanotube-graphene composite and functionalized mesoporous materials. <i>Biosensors and Bioelectronics</i> , 2012, 33, 29-35.	5.3	150
18	Photoelectrochemical Lab-on-Paper Device Based on an Integrated Paper Supercapacitor and Internal Light Source. <i>Analytical Chemistry</i> , 2013, 85, 3961-3970.	3.2	142

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19	Electrochemiluminescence of blue-luminescent graphene quantum dots and its application in ultrasensitive aptasensor for adenosine triphosphate detection. <i>Biosensors and Bioelectronics</i> , 2013, 47, 271-277.	5.3	137
20	Paper-Based Electrochemiluminescent 3D Immunodevice for Lab-on-a-Paper, Specific, and Sensitive Point-of-Care Testing. <i>Chemistry - A European Journal</i> , 2012, 18, 4938-4945.	1.7	132
21	Aptamer-based fluorescent and visual biosensor for multiplexed monitoring of cancer cells in microfluidic paper-based analytical devices. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 347-354.	4.0	129
22	Electrochemical sensor using neomycin-imprinted film as recognition element based on chitosan-silver nanoparticles/graphene-multiwalled carbon nanotubes composites modified electrode. <i>Biosensors and Bioelectronics</i> , 2013, 44, 70-76.	5.3	122
23	Ultrasensitive electrochemical paper-based biosensor for microRNA via strand displacement reaction and metal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 561-569.	4.0	118
24	DNAzyme-Triggered Visual and Ratiometric Electrochemiluminescence Dual-Readout Assay for Pb(II) Based on an Assembled Paper Device. <i>Analytical Chemistry</i> , 2020, 92, 3874-3881.	3.2	117
25	Molecularly Imprinted Polymer Grafted Porous Au-Paper Electrode for an Microfluidic Electro-Analytical Origami Device. <i>Advanced Functional Materials</i> , 2013, 23, 3115-3123.	7.8	115
26	Battery-triggered microfluidic paper-based multiplex electrochemiluminescence immunodevice based on potential-resolution strategy. <i>Lab on A Chip</i> , 2012, 12, 4489.	3.1	114
27	Ultrasensitive microfluidic paper-based electrochemical/visual biosensor based on spherical-like cerium dioxide catalyst for miR-21 detection. <i>Biosensors and Bioelectronics</i> , 2018, 105, 218-225.	5.3	108
28	Ultrasensitive electrochemiluminescence assay of tumor cells and evaluation of H <sub>2</sub> O <sub>2</sub> on a paper-based closed-bipolar electrode by in-situ hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , 2018, 102, 411-417.	5.3	108
29	Photoelectrochemical sensor for pentachlorophenol on microfluidic paper-based analytical device based on the molecular imprinting technique. <i>Biosensors and Bioelectronics</i> , 2014, 56, 97-103.	5.3	107
30	A novel microfluidic paper-based colorimetric sensor based on molecularly imprinted polymer membranes for highly selective and sensitive detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 130-136.	4.0	107
31	An ultrasensitive electrochemical immunosensor based on the catalytical activity of MoS <sub>2</sub> -Au composite using Ag nanospheres as labels. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 30-36.	4.0	106
32	Paper-Based Device for Colorimetric and Photoelectrochemical Quantification of the Flux of H <sub>2</sub> O <sub>2</sub> Releasing from MCF-7 Cancer Cells. <i>Analytical Chemistry</i> , 2016, 88, 5369-5377.	3.2	105
33	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. <i>Biosensors and Bioelectronics</i> , 2014, 51, 413-420.	5.3	103
34	Nanomaterials-modified cellulose paper as a platform for biosensing applications. <i>Nanoscale</i> , 2017, 9, 4366-4382.	2.8	102
35	A disposable electrochemical immunosensor based on carbon screen-printed electrodes for the detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2012, 38, 355-361.	5.3	100
36	Carbon nanostructures in biology and medicine. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6437-6450.	2.9	100

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37	In-situ synthesized polypyrrole-cellulose conductive networks for potential-tunable foldable power paper. <i>Nano Energy</i> , 2017, 31, 174-182.	8.2	100
38	A disposable paper-based electrochemical sensor with an addressable electrode array for cancer screening. <i>Chemical Communications</i> , 2012, 48, 9397.	2.2	99
39	Colorimetric assay of K-562 cells based on folic acid-conjugated porous bimetallic Pd@Au nanoparticles for point-of-care testing. <i>Chemical Communications</i> , 2014, 50, 475-477.	2.2	99
40	Growth of gold-manganese oxide nanostructures on a 3D origami device for glucose-oxidase label based electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2014, 61, 76-82.	5.3	96
41	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. <i>Analytica Chimica Acta</i> , 2013, 798, 33-39.	2.6	94
42	Robust and Universal SERS Sensing Platform for Multiplexed Detection of Alzheimer's Disease Core Biomarkers Using PAapt-AuNPs Conjugates. <i>ACS Sensors</i> , 2019, 4, 2140-2149.	4.0	94
43	A disposable electrochemiluminescence device for ultrasensitive monitoring of K562 leukemia cells based on aptamers and ZnO@carbon quantum dots. <i>Biosensors and Bioelectronics</i> , 2013, 49, 79-85.	5.3	92
44	Label-free and highly sensitive electrochemical detection of E. coli based on rolling circle amplifications coupled peroxidase-mimicking DNAzyme amplification. <i>Biosensors and Bioelectronics</i> , 2016, 75, 315-319.	5.3	92
45	Molecularly imprinted polymer grafted paper-based multi-disk micro-disk plate for chemiluminescence detection of pesticide. <i>Biosensors and Bioelectronics</i> , 2013, 50, 262-268.	5.3	91
46	Multiplexed sandwich immunoassays using flow-injection electrochemiluminescence with designed substrate spatial-resolved technique for detection of tumor markers. <i>Biosensors and Bioelectronics</i> , 2013, 41, 684-690.	5.3	91
47	Colorimetric and Electrochemiluminescence Dual-Mode Sensing of Lead Ion Based on Integrated Lab-on-Paper Device. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3431-3440.	4.0	90
48	Ultrasensitive Microfluidic Paper-Based Electrochemical Biosensor Based on Molecularly Imprinted Film and Boronate Affinity Sandwich Assay for Glycoprotein Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16198-16206.	4.0	89
49	Porphyrin-Based Covalent Organic Framework Thin Films as Cathodic Materials for "Off-On" Photoelectrochemical Sensing of Lead Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20397-20404.	4.0	89
50	Paper-Based SERS Sensing Platform Based on 3D Silver Dendrites and Molecularly Imprinted Identifier Sandwich Hybrid for Neonicotinoid Quantification. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 8845-8854.	4.0	88
51	Paper-based electrochemical cyto-device for sensitive detection of cancer cells and in situ anticancer drug screening. <i>Analytica Chimica Acta</i> , 2014, 847, 1-9.	2.6	87
52	Microwave-assisted hydrothermal synthesis of Sn3O4 nanosheet/rGO planar heterostructure for efficient photocatalytic hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 470-476.	10.8	86
53	A novel microfluidic origami photoelectrochemical sensor based on CdTe quantum dots modified molecularly imprinted polymer and its highly selective detection of S-fenvalerate. <i>Electrochimica Acta</i> , 2013, 107, 147-154.	2.6	85
54	Colorimetric detection of the flux of hydrogen peroxide released from living cells based on the high peroxidase-like catalytic performance of porous PtPd nanorods. <i>Biosensors and Bioelectronics</i> , 2015, 71, 456-462.	5.3	85

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55	Visible light photoelectrochemical sensor based on Au nanoparticles and molecularly imprinted poly(o-phenylenediamine)-modified TiO <sub>2</sub> nanotubes for specific and sensitive detection chlorpyrifos. <i>Analyst, The</i> , 2013, 138, 939-945.	1.7	84
56	Paper-Based Bipolar Electrode Electrochemiluminescence Platform for Detection of Multiple miRNAs. <i>Analytical Chemistry</i> , 2021, 93, 1702-1708.	3.2	84
57	A paper-based photoelectrochemical immunoassay for low-cost and multiplexed point-of-care testing. <i>Chemical Communications</i> , 2013, 49, 3294.	2.2	83
58	Paper-based electrochemiluminescence origami cyto-device for multiple cancer cells detection using porous AuPd alloy as catalytically promoted nanolabels. <i>Biosensors and Bioelectronics</i> , 2015, 63, 450-457.	5.3	81
59	Simple and covalent fabrication of a paper device and its application in sensitive chemiluminescence immunoassay. <i>Analyst, The</i> , 2012, 137, 3821.	1.7	80
60	A microfluidic origami electrochemiluminescence aptamer-device based on a porous Au-paper electrode and a phenyleneethynylene derivative. <i>Chemical Communications</i> , 2013, 49, 1383-1385.	2.2	80
61	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6670-6678.	4.0	79
62	Electrochemical immunosensor based on graphene-polyaniline composites and carboxylated graphene oxide for estradiol detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 99-105.	4.0	77
63	Chemical and biochemical analysis on lab-on-a-chip devices fabricated using three-dimensional printing. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 166-180.	5.8	77
64	Visible photoelectrochemical sensing platform by in situ generated CdS quantum dots decorated branched-TiO <sub>2</sub> nanorods equipped with Prussian blue electrochromic display. <i>Biosensors and Bioelectronics</i> , 2017, 89, 859-865.	5.3	77
65	Photoelectrochemical lab-on-paper device equipped with a porous Au-paper electrode and fluidic delay-switch for sensitive detection of DNA hybridization. <i>Lab on A Chip</i> , 2013, 13, 3945.	3.1	76
66	Facile and sensitive paper-based chemiluminescence DNA biosensor using carbon dots dotted nanoporous gold signal amplification label. <i>Analytical Methods</i> , 2013, 5, 1328.	1.3	76
67	A three-dimensional origami-based immuno-biofuel cell for self-powered, low-cost, and sensitive point-of-care testing. <i>Chemical Communications</i> , 2014, 50, 1947.	2.2	76
68	Sensitive and rapid detection of microRNAs using hairpin probes-mediated exponential isothermal amplification. <i>Biosensors and Bioelectronics</i> , 2017, 89, 710-714.	5.3	75
69	Addressable TiO <sub>2</sub> Nanotubes Functionalized Paper-Based Cyto-Sensor with Photocontrollable Switch for Highly-Efficient Evaluating Surface Protein Expressions of Cancer Cells. <i>Analytical Chemistry</i> , 2018, 90, 13882-13890.	3.2	74
70	Ultrasensitive Photoelectrochemical Detection of MicroRNA on Paper by Combining a Cascade Nanozyme-Engineered Biocatalytic Precipitation Reaction and Target-Triggerable DNA Motor. <i>ACS Sensors</i> , 2020, 5, 1482-1490.	4.0	74
71	Lab-on-paper-based devices using chemiluminescence and electrogenerated chemiluminescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5613-5630.	1.9	73
72	Paper-based electrochemiluminescence origami device for protein detection using assembled cascade DNA-carbon dots nanotags based on rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2015, 68, 413-420.	5.3	73

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73	Battery-triggered ultrasensitive electrochemiluminescence detection on microfluidic paper-based immunodevice based on dual-signal amplification strategy. <i>Analytica Chimica Acta</i> , 2013, 767, 66-74.	2.6	72
74	Polyhedral-AuPd nanoparticles-based dual-mode cytosensor with turn on enable signal for highly sensitive cell evaluation on lab-on-paper device. <i>Biosensors and Bioelectronics</i> , 2018, 117, 651-658.	5.3	71
75	Multiplex electrochemical origami immunodevice based on cuboid silver-paper electrode and metal ions tagged nanoporous silver@chitosan. <i>Biosensors and Bioelectronics</i> , 2014, 56, 167-173.	5.3	69
76	Applications of graphene and related nanomaterials in analytical chemistry. <i>New Journal of Chemistry</i> , 2015, 39, 2380-2395.	1.4	69
77	Microfluidic paper-based analytical device for photoelectrochemical immunoassay with multiplex signal amplification using multibranch hybridization chain reaction and PdAu enzyme mimetics. <i>Biosensors and Bioelectronics</i> , 2016, 79, 416-422.	5.3	66
78	3D origami electrochemical device for sensitive Pb <sup>2+</sup> testing based on DNA functionalized iron-porphyrinic metal-organic framework. <i>Biosensors and Bioelectronics</i> , 2017, 87, 108-115.	5.3	66
79	Ultrasensitive electrochemical immunoassay for carcinoembryonic antigen based on three-dimensional macroporous gold nanoparticles/graphene composite platform and multienzyme functionalized nanoporous silver label. <i>Analytica Chimica Acta</i> , 2013, 775, 85-92.	2.6	65
80	Electrophoretic separation in a microfluidic paper-based analytical device with an on-column wireless electrogenerated chemiluminescence detector. <i>Chemical Communications</i> , 2014, 50, 5699.	2.2	65
81	Photoelectrochemical/Visual Lab-on-Paper Sensing via Signal Amplification of CdS Quantum Dots@Leaf-Shape ZnO and Quenching of Au-Modified Prism-Anchored Octahedral CeO <sub>2</sub> Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 11297-11304.	3.2	65
82	Synthesis and characterization of graphene nanosheets attached to spiky MnO <sub>2</sub> nanospheres and its application in ultrasensitive immunoassay. <i>Carbon</i> , 2013, 57, 22-33.	5.4	64
83	Paper-based colorimetric immunosensor for visual detection of carcinoembryonic antigen based on the high peroxidase-like catalytic performance of ZnFe <sub>2</sub> O <sub>4</sub> @multiwalled carbon nanotubes. <i>Analyst</i> , 2014, 139, 251-258.	1.7	64
84	Aptamer-Based electrochemiluminescent detection of MCF-7 cancer cells based on carbon quantum dots coated mesoporous silica nanoparticles. <i>Electrochimica Acta</i> , 2014, 146, 262-269.	2.6	64
85	Ultrasensitive electrochemical cancer cells sensor based on trimetallic dendritic Au@PtPd nanoparticles for signal amplification on lab-on-paper device. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 665-672.	4.0	64
86	Highly selective molecular recognition and high throughput detection of melamine based on molecularly imprinted sol-gel film. <i>Analytica Chimica Acta</i> , 2009, 651, 209-214.	2.6	63
87	Multiplexed enzyme-free electrochemical immunosensor based on ZnO nanorods modified reduced graphene oxide-paper electrode and silver deposition-induced signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015, 71, 30-36.	5.3	63
88	Photoelectrochemical sensor based on molecularly imprinted film modified hierarchical branched titanium dioxide nanorods for chlorpyrifos detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 1-8.	4.0	63
89	3D microfluidic origami electrochemiluminescence immunodevice for sensitive point-of-care testing of carcinoma antigen 125. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1-8.	4.0	62
90	All-graphene composite materials for signal amplification toward ultrasensitive electrochemical immunosensing of tumor marker. <i>Biosensors and Bioelectronics</i> , 2015, 71, 108-114.	5.3	62



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91	Magnetic beads-based electrochemiluminescence immunosensor for determination of cancer markers using quantum dot functionalized PtRu alloys as labels. <i>Analyst</i> , The, 2012, 137, 2176.	1.7	61
92	In situ assembly of porous Au-paper electrode and functionalization of magnetic silica nanoparticles with HRP via click chemistry for Microcystin-LR immunoassay. <i>Biosensors and Bioelectronics</i> , 2013, 49, 111-117.	5.3	61
93	Sensitive origami dual-analyte electrochemical immunodevice based on polyaniline/Au-paper electrode and multi-labeled 3D graphene sheets. <i>Electrochimica Acta</i> , 2014, 120, 102-109.	2.6	61
94	A novel sandwich-type electrochemical aptasensor for sensitive detection of kanamycin based on GRâ€“PANI and PAMAMâ€“Au nanocomposites. <i>New Journal of Chemistry</i> , 2014, 38, 4931-4937.	1.4	61
95	3D origami electrochemical immunodevice for sensitive point-of-care testing based on dual-signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015, 63, 7-13.	5.3	60
96	A Graphene-enhanced imaging of microRNA with enzyme-free signal amplification of catalyzed hairpin assembly in living cells. <i>Biosensors and Bioelectronics</i> , 2016, 85, 909-914.	5.3	60
97	Ultrasensitive Enzyme-free Biosensor by Coupling Cyclodextrin Functionalized Au Nanoparticles and High-Performance Au-Paper Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3333-3340.	4.0	60
98	Ultrasensitive electrochemiluminescence immunoassay for tumor marker detection using functionalized Ru-silica@nanoporous gold composite as labels. <i>Analyst</i> , The, 2012, 137, 680-685.	1.7	59
99	Paper-based electrochemiluminescence immunodevice for carcinoembryonic antigen using nanoporous gold-chitosan hybrids and graphene quantum dots functionalized Au@Pt. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 314-322.	4.0	59
100	In situ grown COFs on 3D strutted graphene aerogel for electrochemical detection of NO released from living cells. <i>Chemical Engineering Journal</i> , 2021, 420, 127559.	6.6	59
101	3D DNA Walker-Assisted CRISPR/Cas12a Trans-Cleavage for Ultrasensitive Electrochemiluminescence Detection of miRNA-141. <i>Analytical Chemistry</i> , 2021, 93, 13373-13381.	3.2	59
102	Development of a novel deltamethrin sensor based on molecularly imprinted silica nanospheres embedded CdTe quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1704-1709.	2.0	58
103	Cyto-sensing in electrochemical lab-on-paper cyto-device for in-situ evaluation of multi-glycan expressions on cancer cells. <i>Biosensors and Bioelectronics</i> , 2015, 63, 232-239.	5.3	58
104	Paper-based closed Au-Bipolar electrode electrochemiluminescence sensing platform for the detection of miRNA-155. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111917.	5.3	58
105	AgInSe <sub>2</sub> -Sensitized ZnO Nanoflower Wide-Spectrum Response Photoelectrochemical/Visual Sensing Platform via Au@Nanorod-Anchored CeO <sub>2</sub> Octahedron Regulated Signal. <i>Analytical Chemistry</i> , 2020, 92, 7604-7611.	3.2	58
106	A disposable immunosensor device for point-of-care test of tumor marker based on copper-mediated amplification. <i>Biosensors and Bioelectronics</i> , 2013, 43, 425-431.	5.3	56
107	Layer-by-layer self-assembly CdTe quantum dots and molecularly imprinted polymers modified chemiluminescence sensor for deltamethrin detection. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 222-227.	4.0	55
108	Goldâ€“silver nanocomposite-functionalized graphene based electrochemiluminescence immunosensor using graphene quantum dots coated porous PtPd nanochains as labels. <i>Electrochimica Acta</i> , 2014, 123, 470-476.	2.6	55

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109	Targetâ€‘aptamer binding triggered quadratic recycling amplification for highly specific and ultrasensitive detection of antibiotics at the attomole level. <i>Chemical Communications</i> , 2015, 51, 8377-8380.	2.2	55
110	Disposable electrochemical immunosensor based on peroxidase-like magnetic silicaâ€‘graphene oxide composites for detection of cancer antigen 153. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 317-326.	4.0	54
111	Electrochemical immunosensor assay (EIA) for sensitive detection of E. coli O157:H7 with signal amplification on a SGâ€‘PEDOTâ€‘AuNPs electrode interface. <i>Analyst, The</i> , 2015, 140, 551-559.	1.7	54
112	Paperâ€‘Based Electronics: Flexible Electronics Based on Micro/Nanostructured Paper ( <i>Adv. Mater.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	54
113	A simple and rapid detection assay for peptides based on the specific recognition of aptamer and signal amplification of hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2016, 83, 15-18.	5.3	53
114	Growth and accelerated differentiation of mesenchymal stem cells on graphene-oxide-coated titanate with dexamethasone on surface of titanium implants. <i>Dental Materials</i> , 2017, 33, 525-535.	1.6	53
115	Fluorescent carbon dots nanosensor for label-free determination of vitamin B12 based on inner filter effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 305-309.	2.0	53
116	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. <i>Biosensors and Bioelectronics</i> , 2014, 59, 307-313.	5.3	52
117	Metal-Enhanced Ratiometric Fluorescence/Naked Eye Bimodal Biosensor for Lead Ions Analysis with Bifunctional Nanocomposite Probes. <i>Analytical Chemistry</i> , 2017, 89, 3597-3605.	3.2	52
118	SnO <sub>2</sub> nanotube arrays grown via an in situ template-etching strategy for effective and stable perovskite solar cells. <i>Chemical Engineering Journal</i> , 2017, 325, 378-385.	6.6	52
119	Editable TiO <sub>2</sub> Nanomaterial-Modified Paper in Situ for Highly Efficient Detection of Carcinoembryonic Antigen by Photoelectrochemical Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 14594-14601.	4.0	52
120	Coreâ€‘shell Fe <sub>3</sub> O <sub>4</sub> â€‘Au magnetic nanoparticles based nonenzymatic ultrasensitive electrochemiluminescence immunosensor using quantum dots functionalized graphene sheet as labels. <i>Analytica Chimica Acta</i> , 2013, 770, 132-139.	2.6	51
121	Electrochemical K-562 cells sensor based on origami paper device for point-of-care testing. <i>Talanta</i> , 2015, 145, 12-19.	2.9	51
122	BSA activated CdTe quantum dot nanosensor for antimony ion detection. <i>Analyst, The</i> , 2010, 135, 111-115.	1.7	50
123	Multiplexed aptasensor for simultaneous detection of carcinoembryonic antigen and mucin-1 based on metal ion electrochemical labels and Ru(NH <sub>3</sub> ) <sub>6</sub> <sup>3+</sup> electronic wires. <i>Biosensors and Bioelectronics</i> , 2018, 99, 8-13.	5.3	50
124	A disposable simultaneous electrochemical sensor array based on a molecularly imprinted film at a NH <sub>2</sub> -graphene modified screen-printed electrode for determination of psychotropic drugs. <i>Analyst, The</i> , 2013, 138, 2704.	1.7	49
125	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. <i>Mikrochimica Acta</i> , 2016, 183, 1873-1880.	2.5	49
126	Sudoku-like Lab-on-Paper Cyto-Device with Dual Enhancement of Electrochemiluminescence Intermediates Strategy. <i>Analytical Chemistry</i> , 2017, 89, 7511-7519.	3.2	49



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127	Donor/Acceptor-Induced Ratiometric Photoelectrochemical Paper Analytical Device with a Hollow Double-Hydrophilic-Walls Channel for microRNA Quantification. <i>Analytical Chemistry</i> , 2019, 91, 14577-14585.	3.2	49
128	Ultrasensitive Microfluidic Paper-Based Electrochemical/Visual Analytical Device via Signal Amplification of Pd@Hollow Zn/Co Core-Shell ZIF67/ZIF8 Nanoparticles for Prostate-Specific Antigen Detection. <i>Analytical Chemistry</i> , 2021, 93, 5459-5467.	3.2	49
129	Molecularly imprinted polymeric microspheres for determination of bovine serum albumin based on flow injection chemiluminescence sensor. <i>Biosensors and Bioelectronics</i> , 2010, 26, 632-637.	5.3	48
130	Magnetic graphene nanosheets based electrochemiluminescence immunoassay of cancer biomarker using CdTe quantum dots coated silica nanospheres as labels. <i>Talanta</i> , 2012, 99, 512-519.	2.9	48
131	An origami electrochemiluminescence immunosensor based on gold/graphene for specific, sensitive point-of-care testing of carcinoembryonic antigen. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 247-254.	4.0	48
132	A molecularly imprinted polypyrrole for ultrasensitive voltammetric determination of glyphosate. <i>Mikrochimica Acta</i> , 2017, 184, 1959-1967.	2.5	48
133	Paper-based biosensor for noninvasive detection of epidermal growth factor receptor mutations in non-small cell lung cancer patients. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 440-445.	4.0	48
134	Graphene-palladium nanowires based electrochemical sensor using ZnFe <sub>2</sub> O <sub>4</sub> -graphene quantum dots as an effective peroxidase mimic. <i>Analytica Chimica Acta</i> , 2014, 852, 181-188.	2.6	47
135	Hand-drawn&written pen-on-paper electrochemiluminescence immunodevice powered by rechargeable battery for low-cost point-of-care testing. <i>Biosensors and Bioelectronics</i> , 2014, 61, 21-27.	5.3	46
136	Microfluidic paper-based multiplex colorimetric immunodevice based on the catalytic effect of Pd/Fe <sub>3</sub> O <sub>4</sub> @C peroxidase mimetics on multiple chromogenic reactions. <i>Analytica Chimica Acta</i> , 2015, 862, 70-76.	2.6	46
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139	Stackable Lab-on-Paper Device with All-in-One Au Electrode for High-Efficiency Photoelectrochemical Cyto-Sensing. <i>Analytical Chemistry</i> , 2018, 90, 7212-7220.	3.2	46
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141	Co <sub>3</sub> O <sub>4</sub> -Au polyhedron mimic peroxidase- and cascade enzyme-assisted cycling process-based photoelectrochemical biosensor for monitoring of miRNA-141. <i>Chemical Engineering Journal</i> , 2021, 406, 126892.	6.6	46
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144	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. <i>Biosensors and Bioelectronics</i> , 2015, 66, 565-571.	5.3	44

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146	Paper-based biosensor relying on flower-like reduced graphene guided enzymatically deposition of polyaniline for Pb <sup>2+</sup> detection. <i>Biosensors and Bioelectronics</i> , 2016, 80, 215-221.	5.3	44
147	Label-free detection of microRNA based on the fluorescence quenching of silicon nanoparticles induced by catalyzed hairpin assembly coupled with hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 370-376.	4.0	44
148	Ternary Electrochemiluminescence Biosensor Based on DNA Walkers and AuPd Nanomaterials as a Coreaction Accelerator for the Detection of miRNA-141. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 25783-25791.	4.0	44
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150	Highly sensitive microfluidic paper-based photoelectrochemical sensing platform based on reversible photo-oxidation products and morphology-preferable multi-plate ZnO nanoflowers. <i>Biosensors and Bioelectronics</i> , 2018, 110, 58-64.	5.3	43
151	Ultrasensitive electrochemiluminescence immunosensor for tumor marker detection based on nanoporous silver@carbon dots as labels. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 761-767.	4.0	42
152	Self-Powered and Sensitive DNA Detection in a Three-Dimensional Origami-Based Biofuel Cell Based on a Porous Pt Paper Cathode. <i>Chemistry - A European Journal</i> , 2014, 20, 12453-12462.	1.7	42
153	Paper-based electrochemical immunosensor for carcinoembryonic antigen based on three dimensional flower-like gold electrode and gold-silver bimetallic nanoparticles. <i>Electrochimica Acta</i> , 2014, 147, 650-656.	2.6	42
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158	Gold nanorods-paper electrode based enzyme-free electrochemical immunoassay for prostate specific antigen using porous zinc oxide spheres@silver nanoparticles nanocomposites as labels. <i>New Journal of Chemistry</i> , 2015, 39, 6062-6067.	1.4	41
159	Metal-enhanced fluorescence/visual bimodal platform for multiplexed ultrasensitive detection of microRNA with reusable paper analytical devices. <i>Biosensors and Bioelectronics</i> , 2017, 95, 181-188.	5.3	41
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162	Solar driven electrochromic photoelectrochemical fuel cells for simultaneous energy conversion, storage and self-powered sensing. <i>Nanoscale</i> , 2018, 10, 3421-3428.	2.8	40

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164	3D synergistical rGO/Eu(TPyP)(Pc) hybrid aerogel for high-performance NO <sub>2</sub> gas sensor with enhanced immunity to humidity. <i>Journal of Hazardous Materials</i> , 2020, 384, 121426.	6.5	39
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178	Photoelectrochemical detection of tumor markers based on a CdS quantum dot/ZnO nanorod/Au@Pt-paper electrode 3D origami immunodevice. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2426-2432.	2.9	36
179	Low-Power and High-Performance Trimethylamine Gas Sensor Based on n-n Heterojunction Microbelts of Perylene Diimide/CdS. <i>Analytical Chemistry</i> , 2019, 91, 5591-5598.	3.2	36
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184	Electrochemical biosensor for p53 gene based on HRP-mimicking DNAzyme-catalyzed deposition of polyaniline coupled with hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 210-216.	4.0	34
185	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. <i>Mikrochimica Acta</i> , 2019, 186, 559.	2.5	34
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202	Real-time visual determination of the flux of hydrogen sulphide using a hollow-channel paper electrode. <i>Chemical Communications</i> , 2015, 51, 14030-14033.	2.2	31
203	An enhanced photoelectrochemical platform: graphite-like carbon nitride nanosheet-functionalized ZnO nanotubes. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4980-4987.	2.9	31
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219	3D origami electrochemiluminescence immunodevice based on porous silver-paper electrode and nanoporous silver double-assisted signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 417-424.	4.0	28
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227	Multifunctional reduced graphene oxide triggered chemiluminescence resonance energy transfer: Novel signal amplification strategy for photoelectrochemical immunoassay of squamous cell carcinoma antigen. <i>Biosensors and Bioelectronics</i> , 2016, 79, 55-62.	5.3	27
228	Engineering anatase hierarchically cactus-like TiO <sub>2</sub> arrays for photoelectrochemical and visualized sensing platform. <i>Biosensors and Bioelectronics</i> , 2017, 90, 336-342.	5.3	27
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239	A 3D electrochemical immunodevice based on an Au paper electrode and using Au nanoflowers for amplification. <i>New Journal of Chemistry</i> , 2016, 40, 2835-2842.	1.4	25
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248	Fluorescence immunosensor based on p-acid-encapsulated silica nanoparticles for tumor marker detection. <i>Analyst</i> , The, 2012, 137, 2834.	1.7	23
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