

# Feng Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139  
papers

5,735  
citations

45  
h-index

71  
g-index

143  
ext. papers

7,321  
ext. citations

8.4  
avg, IF

6.73  
L-index

#	Paper	IF	Citations
139	Aptamer-Target Recognition-Promoted Ratiometric Electrochemical Strategy for Evaluating the Microcystin-LR Residue in Fish without Interferences.. <i>Journal of Agricultural and Food Chemistry</i> , <b>2022</b> ,	5.7	2
138	Construction of biofuel cells-based self-powered biosensors via design of nanocatalytic system. <i>Nano Energy</i> , <b>2022</b> , 93, 106806	17.1	5
137	A dual-amplification label-free ratiometric fluorescent sensor for accurate monitoring of telomerase activity based on unique intercalation characteristics of dyes toward different DNA structures. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 356, 131362	8.5	3
136	Electrodeposited with FeOOH and MnO <sub>2</sub> on laser-induced graphene for multi-assembly supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 893, 162230	5.7	0
135	Dye sensitized Ti <sub>3</sub> C <sub>2</sub> MXene-based highly sensitive homogeneous photoelectrochemical sensing of phosphate through decomposition of methylene blue-encapsulated zeolitic imidazolate framework-90. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 352, 131021	8.5	2
134	Two-Dimensional Cobalt-Doped TiC MXene Nanozyme-Mediated Homogeneous Electrochemical Strategy for Pesticides Assay Based on In Situ Generation of Electroactive Substances.. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	10
133	Laser-Induced N- and B-Codoped Graphene Nanozymes with Intrinsic Peroxidase-Like Activities for Bactericidal Application. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 2750-2760	8.3	1
132	Target-activated dual-amplified photothermal aptasensing platform for highly sensitive monitoring antibiotic residue in foods. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 367, 132089	8.5	0
131	Nitrogen-Enriched Conjugated Polymer Enabled Metal-Free Carbon Nanozymes with Efficient Oxidase-Like Activity. <i>Small</i> , <b>2021</b> , e2104993	11	15
130	Portable electrochemical biosensor based on laser-induced graphene and MnO switch-bridged DNA signal amplification for sensitive detection of pesticide.. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 199, 113906	11.8	4
129	Precise Capture and Direct Quantification of Tumor Exosomes a Highly Efficient Dual-Aptamer Recognition-Assisted Ratiometric Immobilization-Free Electrochemical Strategy. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 1709-1716	7.8	32
128	Aptamer Recognition-Driven Homogeneous Electrochemical Strategy for Simultaneous Analysis of Multiple Pesticides without Interference of Color and Fluorescence. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7739-7745	7.8	2
127	Inorganic Recognizer-Assisted Homogeneous Electrochemiluminescence Determination of Organophosphorus Pesticides via Target-Controlled Emitter Release. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 6087-6095	5.7	12
126	pH and Redox Dual-Response Disulfide Bond-Functionalized Red-Emitting Gold Nanoclusters for Monitoring the Contamination of Organophosphorus Pesticides in Foods. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7362-7368	7.8	13
125	Fluorescent DNA-templated silver nanoclusters for highly sensitive detection of D-penicillamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 253, 119584	4.4	2
124	Direct-laser-writing of electrochemiluminescent electrode on glassy carbon for iodide sensing in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 337, 129766	8.5	3
123	Sulfur-doped laser-induced graphene derived from polyethersulfone and lignin hybrid for all-solid-state supercapacitor. <i>Applied Surface Science</i> , <b>2021</b> , 551, 149438	6.7	10

122	Simultaneous photoelectrochemical detection of dual microRNAs by capturing CdS quantum dots and methylene blue based on target-initiated strand displaced amplification. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 775-778	8.1	19
121	Label-free homogeneous electrochemical detection of MicroRNA based on target-induced anti-shielding against the catalytic activity of two-dimension nanozyme. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 171, 112707	11.8	55
120	Nucleic acid-functionalized metal-organic framework for ultrasensitive immobilization-free photoelectrochemical biosensing. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 173, 112832	11.8	15
119	Highly sensitive and stable self-powered biosensing for exosomes based on dual metal-organic frameworks nanocarriers. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 176, 112907	11.8	53
118	pH-Response Quantum Dots with Orange-Red Emission for Monitoring the Residue, Distribution, and Variation of an Organophosphorus Pesticide in an Agricultural Crop. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 2689-2696	5.7	31
117	Two-Dimensional MnO Nanozyme-Mediated Homogeneous Electrochemical Detection of Organophosphate Pesticides without the Interference of HO and Color. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 4084-4091	7.8	65
116	Biofuel Cell-Driven Robust Electrochemiluminescence Biosensing Platform. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11745-11750	7.8	3
115	Self-Photocatalysis Boosted Electrochemiluminescence Signal Amplification via In Situ Generation of the Coreactant. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 12441-12446	7.8	2
114	Metal-Organic Framework-Functionalized Paper-Based Electrochemical Biosensor for Ultrasensitive Exosome Assay. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11792-11799	7.8	28
113	Flexible photoelectrochemical biosensor for ultrasensitive microRNA detection based on concatenated multiplex signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 194, 113581	11.8	13
112	Photo-driven self-powered biosensor for ultrasensitive microRNA detection via DNA conformation-controlled co-sensitization behavior. <i>Chemical Communications</i> , <b>2020</b> , 56, 7116-7119	5.8	20
111	One-Step Synthesis of Methylene Blue-Encapsulated Zeolitic Imidazolate Framework for Dual-Signal Fluorescent and Homogeneous Electrochemical Biosensing. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 8959-8964	7.8	53
110	Equipment-free and visual detection of multiple biomarkers via an aggregation induced emission luminogen-based paper biosensor. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 165, 112336	11.8	71
109	Self-Powered Biosensing Platform Based on "Signal-On" Enzymatic Biofuel Cell for DNA Methyltransferase Activity Analysis and Inhibitor Screening. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 5426-5430	7.8	17
108	In situ generated nanozyme-initiated cascade reaction for amplified surface plasmon resonance sensing. <i>Chemical Communications</i> , <b>2020</b> , 56, 4571-4574	5.8	10
107	A label-free homogeneous electrochemical cytosensor for the ultrasensitive detection of cancer cells based on multiaptamer-functionalized DNA tetrahedral nanostructures. <i>Chemical Communications</i> , <b>2020</b> , 56, 3883-3886	5.8	11
106	Acetylcholinesterase-catalyzed silver deposition for ultrasensitive electrochemical biosensing of organophosphorus pesticides. <i>Analyst, The</i> , <b>2020</b> , 145, 2339-2344	5	12
105	Solar-Powered Organic Semiconductor-Bacteria Biohybrids for CO Reduction into Acetic Acid. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7224-7229	16.4	42

104	DNA Tetrahedra-Cross-linked Hydrogel Functionalized Paper for Onsite Analysis of DNA Methyltransferase Activity Using a Personal Glucose Meter. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 4592-4599	7.8	39
103	A competitive coordination-based immobilization-free electrochemical biosensor for highly sensitive detection of arsenic(v) using a CeO-DNA nanoprobe. <i>Chemical Communications</i> , <b>2020</b> , 56, 5311-5314	5.8	6
102	Homogeneous photoelectrochemical biosensing via synergy of G-quadruplex/hemin catalysed reactions and the inner filter effect. <i>Chemical Communications</i> , <b>2020</b> , 56, 1811-1814	5.8	24
101	Ultrasensitive self-powered biosensors with visual self-checking function for pathogenic bacteria detection. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 307, 127618	8.5	8
100	Laser-induced nano-bismuth decorated CdS-graphene hybrid for plasmon-enhanced photoelectrochemical analysis. <i>Chemical Communications</i> , <b>2020</b> , 56, 13784-13787	5.8	5
99	Aggregation Induced Emission Fluorogen-Based Label-Free Biosensor for Highly Sensitive Detection of Carcinoembryonic Antigen. <i>Chinese Journal of Analytical Chemistry</i> , <b>2020</b> , 48, 1325-1333	1.6	5
98	Anode-Driven Controlled Release of Cathodic Fuel via pH Response for Smart Enzymatic Biofuel Cell. <i>IScience</i> , <b>2020</b> , 23, 101133	6.1	7
97	Degradable metal-organic framework/methylene blue composites-based homogeneous electrochemical strategy for pesticide assay. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 323, 128701	8.5	24
96	In situ growth of nano-gold on anodized aluminum oxide with tandem nanozyme activities towards sensitive electrochemical nanochannel sensing. <i>Analyst, The</i> , <b>2020</b> , 145, 6617-6624	5	10
95	Quaternary Ammonium Salt-Functionalized Tetraphenylethene Derivative Boosts Electrochemiluminescence for Highly Sensitive Aqueous-Phase Biosensing. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11747-11754	7.8	22
94	Laser-Scribed N-Doped Graphene for Integrated Flexible Enzymatic Biofuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12437-12442	8.3	8
93	Label-free and "signal-on" homogeneous photoelectrochemical cytosensing strategy for ultrasensitive cancer cell detection. <i>Chemical Communications</i> , <b>2020</b> , 56, 11126-11129	5.8	8
92	Biohybrid Cells for Photoelectrochemical Conversion Based on the HCOO-CO Circulation Approach.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 8069-8074	4.1	3
91	Glucose Dehydrogenase-like Nanozyme Based on Black Phosphorus Nanosheets for High-Performance Biofuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 16549-16554	8.3	11
90	Laser-induced graphene hybrid photoelectrode for enhanced photoelectrochemical detection of glucose. <i>Analyst, The</i> , <b>2020</b> , 145, 4041-4049	5	11
89	Dopamine-Based Paper Analytical Device for Truly Equipment-Free and Naked-Eye Biosensing Based on the Target-Initiated Catalyzed Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36469-36475	9.5	27
88	Electropolymerization-Induced Positively Charged Phenothiazine Polymer Photoelectrode for Highly Sensitive Photoelectrochemical Biosensing. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 13831-13837	7.8	34
87	A universal one-pot assay strategy based on bio-inorganic cascade catalysts for different analytes by changing pH-dependent activity of enzymes on enzyme mimics. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 286, 460-467	8.5	15

86	High-performance non-enzymatic biofuel cells based on an organic copper complex cathode and a nanoporous gold nanoparticle anode. <i>Chemical Communications</i> , <b>2019</b> , 55, 1887-1890	5.8	14
85	pH and H <sub>2</sub> O <sub>2</sub> dual-responsive carbon dots for biocatalytic transformation monitoring. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 1635-1638	8.1	21
84	A facile homogeneous electrochemical biosensing strategy based on displacement reaction for intracellular and extracellular hydrogen peroxide detection. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 141, 111446	11.8	19
83	Enzymatic Biofuel-Cell-Based Self-Powered Biosensor Integrated with DNA Amplification Strategy for Ultrasensitive Detection of Single-Nucleotide Polymorphism. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 8697-8704	7.8	75
82	Label-free and immobilization-free photoelectrochemical biosensing strategy using methylene blue in homogeneous solution as signal probe for facile DNA methyltransferase activity assay. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 141, 111395	11.8	22
81	A label-free photoelectrochemical aptasensor for facile and ultrasensitive mercury ion assay based on a solution-phase photoactive probe and exonuclease III-assisted amplification. <i>Analyst, The</i> , <b>2019</b> , 144, 3800-3806	5	9
80	Monitoring matrix metalloproteases based on the selective interaction between an Ir(III) solvent complex and a histidine-rich polypeptide. <i>Chemical Communications</i> , <b>2019</b> , 55, 7085-7088	5.8	3
79	A split G-quadruplex-specific dinuclear Ir(III) complex for label-free luminescent detection of transcription factor. <i>Talanta</i> , <b>2019</b> , 202, 259-266	6.2	7
78	In situ template generation of silver nanoparticles as amplification tags for ultrasensitive surface plasmon resonance biosensing of microRNA. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 137, 82-87	11.8	25
77	Perylene-Based Photoactive Material as a Double-Stranded DNA Intercalating Probe for Ultrasensitive Photoelectrochemical Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16958-16964	9.5	27
76	Light-driven ultrasensitive self-powered cytosensing of circulating tumor cells via integration of biofuel cells and a photoelectrochemical strategy. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2277-2283	7.3	16
75	A laser-induced TiO <sub>2</sub> -decorated graphene photoelectrode for sensitive photoelectrochemical biosensing. <i>Chemical Communications</i> , <b>2019</b> , 55, 4945-4948	5.8	26
74	Development of a chemiluminescent aptasensor for ultrasensitive and selective detection of aflatoxin B1 in peanut and milk. <i>Talanta</i> , <b>2019</b> , 201, 52-57	6.2	27
73	A Universal Paper-Based Electrochemical Sensor for Zero-Background Assay of Diverse Biomarkers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15381-15388	9.5	59
72	Diffusivity and intercalation of electroactive dyes-mediated truly ratiometric homogeneous electrochemical strategy for highly sensitive biosensing. <i>Chemical Communications</i> , <b>2019</b> , 55, 10603-10606	5.8	16
71	Equipment-free and visualized biosensor for transcription factor rapid assay based on dopamine-functionalized cellulose paper. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5461-5464	7.3	11
70	Direct-Laser-Writing of Metal Sulfide-Graphene Nanocomposite Photoelectrode toward Sensitive Photoelectrochemical Sensing. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904000	15.6	66
69	Nucleic Acid-Functionalized Metal-Organic Framework-Based Homogeneous Electrochemical Biosensor for Simultaneous Detection of Multiple Tumor Biomarkers. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3604-3610	7.8	234

68	Aptamer recognition-triggered label-free homogeneous electrochemical strategy for an ultrasensitive cancer-derived exosome assay. <i>Chemical Communications</i> , <b>2019</b> , 55, 13705-13708	5.8	57
67	Target-responsive AIE-Au nanoconjugate for acetylcholinesterase activity and inhibitor assay with ultralow background noise. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 284, 118-124	8.5	16
66	pH-sensitive fluorescent organic nanoparticles: Off-on fluorescent detection of furfural in transformer oil. <i>Talanta</i> , <b>2019</b> , 197, 383-389	6.2	4
65	Protein-Directed Metal Oxide Nanoflakes with Tandem Enzyme-Like Characteristics: Colorimetric Glucose Sensing Based on One-Pot Enzyme-Free Cascade Catalysis. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800018	15.6	149
64	Integration of Biofuel Cell-Based Self-Powered Biosensing and Homogeneous Electrochemical Strategy for Ultrasensitive and Easy-To-Use Bioassays of MicroRNA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9325-9331	9.5	67
63	A split aptamer-based imaging solution for the visualization of latent fingerprints. <i>Analytical Methods</i> , <b>2018</b> , 10, 2281-2286	3.2	8
62	Triplex DNA formation-mediated strand displacement reaction for highly sensitive fluorescent detection of melamine. <i>Talanta</i> , <b>2018</b> , 185, 352-358	6.2	6
61	A novel electrochemical sensor based on poly(p-aminobenzene sulfonic acid)-reduced graphene oxide composite film for the sensitive and selective detection of levofloxacin in human urine. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 817, 141-148	4.1	24
60	Label-Free and Ultrasensitive Biomolecule Detection Based on Aggregation Induced Emission Fluorogen via Target-Triggered Hemin/G-Quadruplex-Catalyzed Oxidation Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 4561-4568	9.5	62
59	A label-free, versatile and low-background chemiluminescence aptasensing strategy based on gold nanocluster catalysis combined with the separation of magnetic beads. <i>Analyst, The</i> , <b>2018</b> , 143, 709-714 <sup>5</sup>	5	14
58	Paper-based fluorescent sensor via aggregation induced emission fluorogen for facile and sensitive visual detection of hydrogen peroxide and glucose. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 104, 152-157	11.8	78
57	Enzymatic biofuel cell-based self-powered biosensing of protein kinase activity and inhibition via thiophosphorylation-mediated interface engineering. <i>Chemical Communications</i> , <b>2018</b> , 54, 5438-5441	5.8	19
56	One-step synthesis of fluorescent organic nanoparticles: The application to label-free ratiometric fluorescent pH sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 1479-1486	8.5	20
55	Truly Immobilization-Free Diffusivity-Mediated Photoelectrochemical Biosensing Strategy for Facile and Highly Sensitive MicroRNA Assay. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9591-9597	7.8	129
54	Bioinspired Nanozymes with pH-Independent and Metal Ions-Controllable Activity: Field-Programmable Logic Conversion of Sole Logic Gate System. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800207	3.1	12
53	Target-induced diffusivity enhancement for rapid and highly sensitive homogeneous electrochemical detection of BLM in human serum. <i>Talanta</i> , <b>2018</b> , 190, 492-497	6.2	3
52	Direct-laser-writing of three-dimensional porous graphene frameworks on indium-tin oxide for sensitive electrochemical biosensing. <i>Analyst, The</i> , <b>2018</b> , 143, 3327-3334	5	21
51	Light-driven self-powered biosensor for ultrasensitive organophosphate pesticide detection via integration of the conjugated polymer-sensitized CdS and enzyme inhibition strategy. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6842-6847	7.3	23



50	"Non-Naked" Gold with Glucose Oxidase-Like Activity: A Nanozyme for Tandem Catalysis. <i>Small</i> , <b>2018</b> , 14, e1803256	11	95
49	Rational Integration of Biomineralization, Microbial Surface Display, and Carbon Nanocomposites: Ultrasensitive and Selective Biosensor for Traces of Pesticides. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1801332	4.6	2
48	Development of a Luminescent Dinuclear Ir(III) Complex for Ultrasensitive Determination of Pesticides. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11716-11722	7.8	20
47	Oligonucleotide-modulated photocurrent enhancement of a tetracationic porphyrin for label-free homogeneous photoelectrochemical biosensing. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 121, 90-95	11.8	10
46	Ultrasensitive and versatile homogeneous electrochemical cytosensing platform based on target-induced displacement reaction for signal-on bioassay. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 270, 1-8	8.5	8
45	Ultrasensitive Self-Powered Aptasensor Based on Enzyme Biofuel Cell and DNA Bioconjugate: A Facile and Powerful Tool for Antibiotic Residue Detection. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2163-2169	7.8	68
44	Phage capsid protein-directed MnO nanosheets with peroxidase-like activity for spectrometric biosensing and evaluation of antioxidant behaviour. <i>Chemical Communications</i> , <b>2017</b> , 53, 5216-5219	5.8	79
43	A label-free visual platform for self-correcting logic gate construction and sensitive biosensing based on enzyme-mimetic coordination polymer nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 4607-4613	7.3	19
42	Label-Free Homogeneous Electroanalytical Platform for Pesticide Detection Based on Acetylcholinesterase-Mediated DNA Conformational Switch Integrated with Rolling Circle Amplification. <i>ACS Sensors</i> , <b>2017</b> , 2, 562-568	9.2	74
41	Ratiometric NanoCluster Beacon: A Label-Free and Sensitive Fluorescent DNA Detection Platform. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13102-13110	9.5	55
40	HRP-Mimicking DNAzyme-Catalyzed in Situ Generation of Polyaniline To Assist Signal Amplification for Ultrasensitive Surface Plasmon Resonance Biosensing. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 673-680	7.8	33
39	Electro-Grafted Electrode with Graphene-Oxide-Like DNA Affinity for Ratiometric Homogeneous Electrochemical Biosensing of MicroRNA. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 11560-11567	7.8	48
38	Enzymatic Fuel Cell-Based Self-Powered Homogeneous Immunosensing Platform via Target-Induced Glucose Release: An Appealing Alternative Strategy for Turn-On Melamine Assay. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35721-35728	9.5	42
37	Ultrasensitive Ratiometric Homogeneous Electrochemical MicroRNA Biosensing via Target-Triggered Ru(III) Release and Redox Recycling. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12293-12298	7.8	86
36	Ratiometric Catalyzed-Assembly of NanoCluster Beacons: A Nonenzymatic Approach for Amplified DNA Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32089-32096	9.5	41
35	Ultrasensitive Homogeneous Electrochemical Detection of Transcription Factor by Coupled Isothermal Cleavage Reaction and Cycling Amplification Based on Exonuclease III. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 8328-8334	7.8	45
34	Amphiphile-Mediated Ultrasmall Aggregation Induced Emission Dots for Ultrasensitive Fluorescence Biosensing. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9100-9107	7.8	67
33	A versatile immobilization-free photoelectrochemical biosensor for ultrasensitive detection of cancer biomarker based on enzyme-free cascaded quadratic amplification strategy. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 220-6	11.8	89

32	Visualization of latent fingerprints using a simple silver imaging ink <i>Analytical Methods</i> , <b>2016</b> , 8, 6293-6297		11
31	Paper-based fluorescent sensor for rapid naked-eye detection of acetylcholinesterase activity and organophosphorus pesticides with high sensitivity and selectivity. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 971-977	11.8	122
30	Electrochemical biosensing strategy for highly sensitive pesticide assay based on mercury ion-mediated DNA conformational switch coupled with signal amplification by hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 236, 597-604	8.5	14
29	Affinity-Mediated Homogeneous Electrochemical Aptasensor on a Graphene Platform for Ultrasensitive Biomolecule Detection via Exonuclease-Assisted Target-Analog Recycling Amplification. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2212-9	7.8	89
28	Exonuclease I-aided homogeneous electrochemical strategy for organophosphorus pesticide detection based on enzyme inhibition integrated with a DNA conformational switch. <i>Analyst, The</i> , <b>2016</b> , 141, 1830-6	5	23
27	Aggregation induced emission amphiphile with an ultra low critical micelle concentration: fabrication, self assembling, and cell imaging. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 198-201	7.3	23
26	Highly sensitive homogeneous electrochemical aptasensor for antibiotic residues detection based on dual recycling amplification strategy. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 82, 49-54	11.8	76
25	Synthesis of a three-layered SiO@Au nanoparticle@polyaniline nanocomposite and its application in simultaneous electrochemical detection of uric acid and ascorbic acid. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2314-2321	7.3	30
24	Biphasic photoelectrochemical sensing strategy based on in situ formation of CdS quantum dots for highly sensitive detection of acetylcholinesterase activity and inhibition. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 75, 359-64	11.8	85
23	Label-free fluorescence strategy for sensitive microRNA detection based on isothermal exponential amplification and graphene oxide. <i>Talanta</i> , <b>2016</b> , 148, 116-21	6.2	47
22	Fluorescence biosensing strategy based on mercury ion-mediated DNA conformational switch and nicking enzyme-assisted cycling amplification for highly sensitive detection of carbamate pesticide. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 644-9	11.8	51
21	Versatile and Programmable DNA Logic Gates on Universal and Label-Free Homogeneous Electrochemical Platform. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9691-9698	7.8	66
20	Unique quenching of fluorescent copper nanoclusters based on target-induced oxidation effect: a simple, label-free, highly sensitive and specific bleomycin assay. <i>RSC Advances</i> , <b>2016</b> , 6, 76679-76683	3.7	12
19	A versatile and highly sensitive homogeneous electrochemical strategy based on the split aptamer binding-induced DNA three-way junction and exonuclease III-assisted target recycling. <i>Analyst, The</i> , <b>2015</b> , 140, 5748-53	5	13
18	Ultrasensitive homogeneous electrochemical strategy for DNA methyltransferase activity assay based on autonomous exonuclease III-assisted isothermal cycling signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 304-9	11.8	73
17	Enzyme-free and label-free fluorescence aptasensing strategy for highly sensitive detection of protein based on target-triggered hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 324-9	11.8	76
16	Homogeneous electrochemical strategy for human telomerase activity assay at single-cell level based on T7 exonuclease-aided target recycling amplification. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4030-6	7.8	146
15	A highly sensitive homogeneous electrochemical assay for alkaline phosphatase activity based on single molecular beacon-initiated T7 exonuclease-mediated signal amplification. <i>Analyst, The</i> , <b>2015</b> , 140, 4030-6	5	58



14	Label-Free and Enzyme-Free Homogeneous Electrochemical Biosensing Strategy Based on Hybridization Chain Reaction: A Facile, Sensitive, and Highly Specific MicroRNA Assay. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 11368-74	7.8	243
13	Highly sensitive homogeneous electrochemical assay for methyltransferase activity based on methylation-responsive exonuclease III-assisted signal amplification. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 208, 575-580	8.5	40
12	Graphene-Assisted Label-Free Homogeneous Electrochemical Biosensing Strategy based on Aptamer-Switched Bidirectional DNA Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 28566-75	9.5	42
11	Aptamer binding assays for proteins: the thrombin example--a review. <i>Analytica Chimica Acta</i> , <b>2014</b> , 837, 1-15	6.6	264
10	Sensitive electrochemical assay for T4 polynucleotide kinase activity based on dual-signaling amplification coupled with exonuclease reaction. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 202, 588-593	8.5	23
9	Homogeneous electrochemical aptamer-based ATP assay with signal amplification by exonuclease III assisted target recycling. <i>Chemical Communications</i> , <b>2013</b> , 49, 2335-7	5.8	108
8	DNA-mediated homogeneous binding assays for nucleic acids and proteins. <i>Chemical Reviews</i> , <b>2013</b> , 113, 2812-41	68.1	328
7	A novel and versatile sensing platform based on HRP-mimicking DNAzyme-catalyzed template-guided deposition of polyaniline. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 903-6	11.8	40
6	Dynamic DNA assemblies mediated by binding-induced DNA strand displacement. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2443-6	16.4	154
5	A sensitive graphene oxide-DNA based sensing platform for fluorescence "turn-on" detection of bleomycin. <i>Chemical Communications</i> , <b>2012</b> , 48, 127-9	5.8	97
4	Crystal violet as a G-quadruplex-selective probe for sensitive amperometric sensing of lead. <i>Chemical Communications</i> , <b>2011</b> , 47, 11909-11	5.8	82
3	Simple colorimetric sensing of trace bleomycin using unmodified gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4628-31	11.8	53
2	Gold nanoparticles modified electrode via a mercapto-diazoaminobenzene monolayer and its development in DNA electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 2084-8	11.8	52
1	In Situ Generation of Gold Nanoparticles on Bacteria-Derived Magnetosomes for Imaging-Guided Starving/Chemodynamic/Photothermal Synergistic Therapy against Cancer. <i>Advanced Functional Materials</i> , 2110063	15.6	2