

# Feng Li

## List of Publications by Year in descending order

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143  
papers

9,075  
citations

28274  
55  
h-index

46799  
89  
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143  
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143  
docs citations

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times ranked

6515  
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable multi-amplified temperature sensing for tumor exosomes based on MnO <sub>2</sub> /IR780 nanozyme with high photothermal effect and oxidase-like activity. Chinese Chemical Letters, 2023, 34, 107607.	9.0	7
2	Electrodeposited with FeOOH and MnO <sub>2</sub> on laser-induced graphene for multi-assembly supercapacitors. Journal of Alloys and Compounds, 2022, 893, 162230.	5.5	12
3	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. Sensors and Actuators B: Chemical, 2022, 352, 131021.	7.8	18
4	Nitrogen-Enriched Conjugated Polymer Enabled Metal-Free Carbon Nanozymes with Efficient Oxidase-Like Activity. Small, 2022, 18, e2104993.	10.0	81
5	Portable electrochemical biosensor based on laser-induced graphene and MnO <sub>2</sub> switch-bridged DNA signal amplification for sensitive detection of pesticide. Biosensors and Bioelectronics, 2022, 199, 113906.	10.1	76
6	Construction of biofuel cells-based self-powered biosensors via design of nanocatalytic system. Nano Energy, 2022, 93, 106806.	16.0	26
7	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. Sensors and Actuators B: Chemical, 2022, 356, 131362.	7.8	10
8	Photo-Assisted Robust Anti-Interference Self-Powered Biosensing of MicroRNA Based on Pt-S Bonds and the Inorganic-Organic Hybridization Strategy. Analytical Chemistry, 2022, 94, 1654-1660.	6.5	52
9	In Situ Generation of Gold Nanoparticles on Bacteria-Derived Magnetosomes for Imaging-Guided Starving/Chemodynamic/Photothermal Synergistic Therapy against Cancer. Advanced Functional Materials, 2022, 32, .	14.9	24
10	Aptamer-Target Recognition-Promoted Ratiometric Electrochemical Strategy for Evaluating the Microcystin-LR Residue in Fish without Interferences. Journal of Agricultural and Food Chemistry, 2022, 70, 680-686.	5.2	27
11	Two-Dimensional Cobalt-Doped Ti <sub>3</sub> C <sub>2</sub> MXene Nanozyme-Mediated Homogeneous Electrochemical Strategy for Pesticides Assay Based on In Situ Generation of Electroactive Substances. Analytical Chemistry, 2022, 94, 3669-3676.	6.5	89
12	Laser-Induced N- and B-Codoped Graphene Nanozymes with Intrinsic Peroxidase-Like Activities for Bactericidal Application. ACS Sustainable Chemistry and Engineering, 2022, 10, 2750-2760.	6.7	18
13	Target-activated dual-amplified photothermal aptasensing platform for highly sensitive monitoring antibiotic residue in foods. Sensors and Actuators B: Chemical, 2022, 367, 132089.	7.8	6
14	Acidic pH and thiol-driven homogeneous cathodic electrochemiluminescence strategy for determining the residue of organophosphorus pesticide in Chinese cabbage. Food Chemistry, 2022, 393, 133349.	8.2	8
15	Recent progress in homogeneous electrochemical sensors and their designs and applications. TrAC - Trends in Analytical Chemistry, 2022, 156, 116712.	11.4	48
16	Simultaneous photoelectrochemical detection of dual microRNAs by capturing CdS quantum dots and methylene blue based on target-initiated strand displaced amplification. Chinese Chemical Letters, 2021, 32, 775-778.	9.0	48
17	Label-free homogeneous electrochemical detection of MicroRNA based on target-induced anti-shielding against the catalytic activity of two-dimension nanozyme. Biosensors and Bioelectronics, 2021, 171, 112707.	10.1	128
18	Nucleic acid-functionalized metal-organic framework for ultrasensitive immobilization-free photoelectrochemical biosensing. Biosensors and Bioelectronics, 2021, 173, 112832.	10.1	82

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19	Highly sensitive and stable self-powered biosensing for exosomes based on dual metal-organic frameworks nanocarriers. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112907.	10.1	130
20	pH-Response Quantum Dots with Orangeâ€“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> , 2021, 69, 2689-2696.	5.2	57
21	Two-Dimensional MnO <sub>2</sub> Nanzyme-Mediated Homogeneous Electrochemical Detection of Organophosphate Pesticides without the Interference of H <sub>2</sub> O <sub>2</sub> and Color. <i>Analytical Chemistry</i> , 2021, 93, 4084-4091.	6.5	201
22	Aptamer Recognition-Driven Homogeneous Electrochemical Strategy for Simultaneous Analysis of Multiple Pesticides without Interference of Color and Fluorescence. <i>Analytical Chemistry</i> , 2021, 93, 7739-7745.	6.5	30
23	Inorganic Recognizer-Assisted Homogeneous Electrochemiluminescence Determination of Organophosphorus Pesticides via Target-Controlled Emitter Release. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6087-6095.	5.2	39
24	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> , 2021, 93, 7362-7368.	6.5	64
25	Fluorescent DNA-templated silver nanoclusters for highly sensitive detection of D-penicillamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 253, 119584.	3.9	9
26	Direct-laser-writing of electrochemiluminescent electrode on glassy carbon for iodide sensing in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129766.	7.8	10
27	Sulfur-doped laser-induced graphene derived from polyethersulfone and lignin hybrid for all-solid-state supercapacitor. <i>Applied Surface Science</i> , 2021, 551, 149438.	6.1	40
28	Biofuel Cell-Driven Robust Electrochemiluminescence Biosensing Platform. <i>Analytical Chemistry</i> , 2021, 93, 11745-11750.	6.5	12
29	Self-Photocatalysis Boosted Electrochemiluminescence Signal Amplification via In Situ Generation of the Coreactant. <i>Analytical Chemistry</i> , 2021, 93, 12441-12446.	6.5	21
30	Metalâ€“Organic Framework-Functionalized Paper-Based Electrochemical Biosensor for Ultrasensitive Exosome Assay. <i>Analytical Chemistry</i> , 2021, 93, 11792-11799.	6.5	157
31	Flexible photoelectrochemical biosensor for ultrasensitive microRNA detection based on concatenated multiplex signal amplification. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113581.	10.1	95
32	Precise Capture and Direct Quantification of Tumor Exosomes <i>via</i> a Highly Efficient Dual-Aptamer Recognition-Assisted Ratiometric Immobilization-Free Electrochemical Strategy. <i>Analytical Chemistry</i> , 2021, 93, 1709-1716.	6.5	146
33	Homogeneous photoelectrochemical biosensing <i>via</i> synergy of G-quadruplex/hemin catalysed reactions and the inner filter effect. <i>Chemical Communications</i> , 2020, 56, 1811-1814.	4.1	31
34	Ultrasensitive self-powered biosensors with visual self-checking function for pathogenic bacteria detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127618.	7.8	16
35	Laser-induced nano-bismuth decorated CdSâ€“graphene hybrid for plasmon-enhanced photoelectrochemical analysis. <i>Chemical Communications</i> , 2020, 56, 13784-13787.	4.1	8
36	Aggregation Induced Emission Fluorogen-Based Label-Free Biosensor for Highly Sensitive Detection of Carcinoembryonic Antigen. <i>Chinese Journal of Analytical Chemistry</i> , 2020, 48, 1325-1333.	1.7	9

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37	Anode-Driven Controlled Release of Cathodic Fuel via pH Response for Smart Enzymatic Biofuel Cell. <i>IScience</i> , 2020, 23, 101133.	4.1	9
38	Degradable metal-organic framework/methylene blue composites-based homogeneous electrochemical strategy for pesticide assay. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128701.	7.8	52
39	<i>In situ</i> growth of nano-gold on anodized aluminum oxide with tandem nanozyme activities towards sensitive electrochemical nanochannel sensing. <i>Analyst</i> , The, 2020, 145, 6617-6624.	3.5	18
40	Quaternary Ammonium Salt-Functionalized Tetraphenylethene Derivative Boosts Electrochemiluminescence for Highly Sensitive Aqueous-Phase Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 11747-11754.	6.5	53
41	Laser-Scribed <i>N</i> -Doped Graphene for Integrated Flexible Enzymatic Biofuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12437-12442.	6.7	25
42	Label-free and $\alpha$ signal-on $\alpha$ homogeneous photoelectrochemical cytosensing strategy for ultrasensitive cancer cell detection. <i>Chemical Communications</i> , 2020, 56, 11126-11129.	4.1	21
43	Biohybrid Cells for Photoelectrochemical Conversion Based on the $\text{HCOO}^{\sup>\hat{\alpha}\hat{\epsilon}\text{CO}^{\sub>2\sub>}}\text{CO}^{\sub>2\sub>}$ Circulation Approach. <i>ACS Applied Bio Materials</i> , 2020, 3, 8069-8074.	4.6	6
44	Glucose Dehydrogenase-like Nanozyme Based on Black Phosphorus Nanosheets for High-Performance Biofuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16549-16554.	6.7	23
45	Photo-driven self-powered biosensor for ultrasensitive microRNA detection <i>via</i> DNA conformation-controlled co-sensitization behavior. <i>Chemical Communications</i> , 2020, 56, 7116-7119.	4.1	26
46	One-Step Synthesis of Methylene Blue-Encapsulated Zeolitic Imidazolate Framework for Dual-Signal Fluorescent and Homogeneous Electrochemical Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 8959-8964.	6.5	129
47	Equipment-free and visual detection of multiple biomarkers via an aggregation induced emission luminogen-based paper biosensor. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112336.	10.1	113
48	Self-Powered Biosensing Platform Based on $\alpha$ Signal-On $\alpha$ Enzymatic Biofuel Cell for DNA Methyltransferase Activity Analysis and Inhibitor Screening. <i>Analytical Chemistry</i> , 2020, 92, 5426-5430.	6.5	32
49	In situ generated nanozyme-initiated cascade reaction for amplified surface plasmon resonance sensing. <i>Chemical Communications</i> , 2020, 56, 4571-4574.	4.1	12
50	A label-free homogeneous electrochemical cytosensor for the ultrasensitive detection of cancer cells based on multiaptamer-functionalized DNA tetrahedral nanostructures. <i>Chemical Communications</i> , 2020, 56, 3883-3886.	4.1	25
51	Acetylcholinesterase-catalyzed silver deposition for ultrasensitive electrochemical biosensing of organophosphorus pesticides. <i>Analyst</i> , The, 2020, 145, 2339-2344.	3.5	15
52	Solar $\alpha$ Powered Organic Semiconductor $\alpha$ Bacteria Biohybrids for $\text{CO}^{\sub>2\sub>}$ Reduction into Acetic Acid. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7224-7229.	13.8	111
53	DNA Tetrahedra-Cross-linked Hydrogel Functionalized Paper for Onsite Analysis of DNA Methyltransferase Activity Using a Personal Glucose Meter. <i>Analytical Chemistry</i> , 2020, 92, 4592-4599.	6.5	85
54	A competitive coordination-based immobilization-free electrochemical biosensor for highly sensitive detection of arsenic( $\text{As}^{\text{V}}$ ) using a $\text{CeO}^{\sub>2\sub>}$ $\alpha$ DNA nanoprobe. <i>Chemical Communications</i> , 2020, 56, 5311-5314.	4.1	14

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55	Laser-induced graphene hybrid photoelectrode for enhanced photoelectrochemical detection of glucose. <i>Analyst, The</i> , 2020, 145, 4041-4049.	3.5	17
56	Diffusivity and intercalation of electroactive dyes-mediated truly ratiometric homogeneous electrochemical strategy for highly sensitive biosensing. <i>Chemical Communications</i> , 2019, 55, 10603-10606.	4.1	26
57	Equipment-free and visualized biosensor for transcription factor rapid assay based on dopamine-functionalized cellulose paper. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5461-5464.	5.8	14
58	Direct Laser Writing of Metal Sulfide-Graphene Nanocomposite Photoelectrode toward Sensitive Photoelectrochemical Sensing. <i>Advanced Functional Materials</i> , 2019, 29, 1904000.	14.9	135
59	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> , 2019, 11, 36469-36475.	8.0	42
60	Electropolymerization-Induced Positively Charged Phenothiazine Polymer Photoelectrode for Highly Sensitive Photoelectrochemical Biosensing. <i>Analytical Chemistry</i> , 2019, 91, 13831-13837.	6.5	58
61	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> , 2019, 286, 460-467.	7.8	22
62	High-performance non-enzymatic biofuel cells based on an organic copper complex cathode and a nanoporous gold nanoparticle anode. <i>Chemical Communications</i> , 2019, 55, 1887-1890.	4.1	16
63	pH and H <sub>2</sub> O <sub>2</sub> dual-responsive carbon dots for biocatalytic transformation monitoring. <i>Chinese Chemical Letters</i> , 2019, 30, 1635-1638.	9.0	33
64	A facile homogeneous electrochemical biosensing strategy based on displacement reaction for intracellular and extracellular hydrogen peroxide detection. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111446.	10.1	32
65	Enzymatic Biofuel-Cell-Based Self-Powered Biosensor Integrated with DNA Amplification Strategy for Ultrasensitive Detection of Single-Nucleotide Polymorphism. <i>Analytical Chemistry</i> , 2019, 91, 8697-8704.	6.5	135
66	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> , 2019, 141, 111395.	10.1	38
67	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> , 2019, 144, 3800-3806.	3.5	17
68	Monitoring matrix metalloproteases based on the selective interaction between an Ir(III) solvent complex and a histidine-rich polypeptide. <i>Chemical Communications</i> , 2019, 55, 7085-7088.	4.1	9
69	A split G-quadruplex-specific dinuclear Ir(III) complex for label-free luminescent detection of transcription factor. <i>Talanta</i> , 2019, 202, 259-266.	5.5	12
70	In situ template generation of silver nanoparticles as amplification tags for ultrasensitive surface plasmon resonance biosensing of microRNA. <i>Biosensors and Bioelectronics</i> , 2019, 137, 82-87.	10.1	39
71	Perylene-Based Photoactive Material as a Double-Stranded DNA Intercalating Probe for Ultrasensitive Photoelectrochemical Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16958-16964.	8.0	67
72	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> , 2019, 7, 2277-2283.	5.8	24

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73	A laser-induced TiO <sub>2</sub> -decorated graphene photoelectrode for sensitive photoelectrochemical biosensing. Chemical Communications, 2019, 55, 4945-4948.	4.1	38
74	Development of a chemiluminescent aptasensor for ultrasensitive and selective detection of aflatoxin B1 in peanut and milk. Talanta, 2019, 201, 52-57.	5.5	49
75	A Universal Paper-Based Electrochemical Sensor for Zero-Background Assay of Diverse Biomarkers. ACS Applied Materials & Interfaces, 2019, 11, 15381-15388.	8.0	103
76	Nucleic Acid-Functionalized Metal-Organic Framework-Based Homogeneous Electrochemical Biosensor for Simultaneous Detection of Multiple Tumor Biomarkers. Analytical Chemistry, 2019, 91, 3604-3610.	6.5	367
77	Aptamer recognition-triggered label-free homogeneous electrochemical strategy for an ultrasensitive cancer-derived exosome assay. Chemical Communications, 2019, 55, 13705-13708.	4.1	102
78	Target-responsive AIE-Au nanoconjugate for acetylcholinesterase activity and inhibitor assay with ultralow background noise. Sensors and Actuators B: Chemical, 2019, 284, 118-124.	7.8	20
79	pH-sensitive fluorescent organic nanoparticles: Off-on fluorescent detection of furfural in transformer oil. Talanta, 2019, 197, 383-389.	5.5	8
80	Protein-Directed Metal Oxide Nanoflakes with Tandem Enzyme-Like Characteristics: Colorimetric Glucose Sensing Based on One-Pot Enzyme-Free Cascade Catalysis. Advanced Functional Materials, 2018, 28, 1800018.	14.9	227
81	Integration of Biofuel Cell-Based Self-Powered Biosensing and Homogeneous Electrochemical Strategy for Ultrasensitive and Easy-To-Use Bioassays of MicroRNA. ACS Applied Materials & Interfaces, 2018, 10, 9325-9331.	8.0	113
82	A split aptamer-based imaging solution for the visualization of latent fingerprints. Analytical Methods, 2018, 10, 2281-2286.	2.7	12
83	Triplex DNA formation-mediated strand displacement reaction for highly sensitive fluorescent detection of melamine. Talanta, 2018, 185, 352-358.	5.5	9
84	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. Journal of Electroanalytical Chemistry, 2018, 817, 141-148.	3.8	44
85	Label-Free and Ultrasensitive Biomolecule Detection Based on Aggregation Induced Emission Fluorogen via Target-Triggered Hemin/G-Quadruplex-Catalyzed Oxidation Reaction. ACS Applied Materials & Interfaces, 2018, 10, 4561-4568.	8.0	76
86	A label-free, versatile and low-background chemiluminescence aptasensing strategy based on gold nanocluster catalysis combined with the separation of magnetic beads. Analyst, The, 2018, 143, 709-714.	3.5	24
87	Paper-based fluorescent sensor via aggregation induced emission fluorogen for facile and sensitive visual detection of hydrogen peroxide and glucose. Biosensors and Bioelectronics, 2018, 104, 152-157.	10.1	112
88	Enzymatic biofuel cell-based self-powered biosensing of protein kinase activity and inhibition via thiophosphorylation-mediated interface engineering. Chemical Communications, 2018, 54, 5438-5441.	4.1	23
89	Light-driven self-powered biosensor for ultrasensitive organophosphate pesticide detection via integration of the conjugated polymer-sensitized CdS and enzyme inhibition strategy. Journal of Materials Chemistry B, 2018, 6, 6842-6847.	5.8	34
90	Non-Naked-Gold with Glucose Oxidase-Like Activity: A Nanozyme for Tandem Catalysis. Small, 2018, 14, e1803256.	10.0	156



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91	Rational Integration of Biomineralization, Microbial Surface Display, and Carbon Nanocomposites: Ultrasensitive and Selective Biosensor for Traces of Pesticides. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801332.	3.7	5
92	Development of a Luminescent Dinuclear Ir(III) Complex for Ultrasensitive Determination of Pesticides. <i>Analytical Chemistry</i> , 2018, 90, 11716-11722.	6.5	24
93	Oligonucleotide-modulated photocurrent enhancement of a tetracationic porphyrin for label-free homogeneous photoelectrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 121, 90-95.	10.1	16
94	Ultrasensitive and versatile homogeneous electrochemical cytosensing platform based on target-induced displacement reaction for "signal-on" bioassay. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 1-8.	7.8	12
95	One-step synthesis of fluorescent organic nanoparticles: The application to label-free ratiometric fluorescent pH sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1479-1486.	7.8	25
96	Truly Immobilization-Free Diffusivity-Mediated Photoelectrochemical Biosensing Strategy for Facile and Highly Sensitive MicroRNA Assay. <i>Analytical Chemistry</i> , 2018, 90, 9591-9597.	6.5	159
97	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> , 2018, 35, 1800207.	2.3	16
98	Target-induced diffusivity enhancement for rapid and highly sensitive homogeneous electrochemical detection of BLM in human serum. <i>Talanta</i> , 2018, 190, 492-497.	5.5	9
99	Direct-laser-writing of three-dimensional porous graphene frameworks on indium-tin oxide for sensitive electrochemical biosensing. <i>Analyst</i> , The, 2018, 143, 3327-3334.	3.5	29
100	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> , 2017, 89, 2163-2169.	6.5	107
101	Phage capsid protein-directed MnO <sub>2</sub> nanosheets with peroxidase-like activity for spectrometric biosensing and evaluation of antioxidant behaviour. <i>Chemical Communications</i> , 2017, 53, 5216-5219.	4.1	94
102	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> , 2017, 5, 4607-4613.	5.8	24
103	Label-Free Homogeneous Electroanalytical Platform for Pesticide Detection Based on Acetylcholinesterase-Mediated DNA Conformational Switch Integrated with Rolling Circle Amplification. <i>ACS Sensors</i> , 2017, 2, 562-568.	7.8	104
104	Ratiometric NanoCluster Beacon: A Label-Free and Sensitive Fluorescent DNA Detection Platform. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13102-13110.	8.0	68
105	HRP-Mimicking DNAzyme-Catalyzed in Situ Generation of Polyaniline To Assist Signal Amplification for Ultrasensitive Surface Plasmon Resonance Biosensing. <i>Analytical Chemistry</i> , 2017, 89, 673-680.	6.5	41
106	Electro-Grafted Electrode with Graphene-Oxide-Like DNA Affinity for Ratiometric Homogeneous Electrochemical Biosensing of MicroRNA. <i>Analytical Chemistry</i> , 2017, 89, 11560-11567.	6.5	60
107	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> , 2017, 9, 35721-35728.	8.0	67
108	Ultrasensitive Ratiometric Homogeneous Electrochemical MicroRNA Biosensing via Target-Triggered Ru(III) Release and Redox Recycling. <i>Analytical Chemistry</i> , 2017, 89, 12293-12298.	6.5	108

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109	Ratiometric Catalyzed-Assembly of NanoCluster Beacons: A Nonenzymatic Approach for Amplified DNA Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32089-32096.	8.0	49
110	Ultrasensitive Homogeneous Electrochemical Detection of Transcription Factor by Coupled Isothermal Cleavage Reaction and Cycling Amplification Based on Exonuclease III. <i>Analytical Chemistry</i> , 2017, 89, 8328-8334.	6.5	56
111	Amphiphile-Mediated Ultrasmall Aggregation Induced Emission Dots for Ultrasensitive Fluorescence Biosensing. <i>Analytical Chemistry</i> , 2017, 89, 9100-9107.	6.5	90
112	Versatile and Programmable DNA Logic Gates on Universal and Label-Free Homogeneous Electrochemical Platform. <i>Analytical Chemistry</i> , 2016, 88, 9691-9698.	6.5	77
113	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> , 2016, 6, 76679-76683.	3.6	12
114	Visualization of latent fingerprints using a simple "silver imaging ink". <i>Analytical Methods</i> , 2016, 8, 6293-6297.	2.7	19
115	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> , 2016, 86, 971-977.	10.1	156
116	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> , 2016, 236, 597-604.	7.8	21
117	Affinity-Mediated Homogeneous Electrochemical Aptasensor on a Graphene Platform for Ultrasensitive Biomolecule Detection via Exonuclease-Assisted Target-Analog Recycling Amplification. <i>Analytical Chemistry</i> , 2016, 88, 2212-2219.	6.5	93
118	Exonuclease I-aided homogeneous electrochemical strategy for organophosphorus pesticide detection based on enzyme inhibition integrated with a DNA conformational switch. <i>Analyst</i> , The, 2016, 141, 1830-1836.	3.5	29
119	Aggregation induced emission amphiphile with an ultra low critical micelle concentration: fabrication, self assembling, and cell imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 198-201.	5.8	27
120	Highly sensitive homogeneous electrochemical aptasensor for antibiotic residues detection based on dual recycling amplification strategy. <i>Biosensors and Bioelectronics</i> , 2016, 82, 49-54.	10.1	100
121	Synthesis of a three-layered SiO <sub>2</sub> @Au nanoparticle@polyaniline nanocomposite and its application in simultaneous electrochemical detection of uric acid and ascorbic acid. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2314-2321.	5.8	35
122	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> , 2016, 75, 359-364.	10.1	101
123	Label-free fluorescence strategy for sensitive microRNA detection based on isothermal exponential amplification and graphene oxide. <i>Talanta</i> , 2016, 148, 116-121.	5.5	52
124	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> , 2016, 77, 644-649.	10.1	59
125	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> , 2016, 77, 220-226.	10.1	105
126	Graphene-Assisted Label-Free Homogeneous Electrochemical Biosensing Strategy based on Aptamer-Switched Bidirectional DNA Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28566-28575.	8.0	50



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127	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</i> , The, 2015, 140, 5748-5753.	3.5	14
128	Ultrasensitive homogeneous electrochemical strategy for DNA methyltransferase activity assay based on autonomous exonuclease III-assisted isothermal cycling signal amplification. <i>Biosensors and Bioelectronics</i> , 2015, 70, 304-309.	10.1	78
129	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> , 2015, 70, 324-329.	10.1	87
130	Homogeneous Electrochemical Strategy for Human Telomerase Activity Assay at Single-Cell Level Based on T7 Exonuclease-Aided Target Recycling Amplification. <i>Analytical Chemistry</i> , 2015, 87, 4030-4036.	6.5	158
131	A highly sensitive homogeneous electrochemical assay for alkaline phosphatase activity based on single molecular beacon-initiated T7 exonuclease-mediated signal amplification. <i>Analyst</i> , The, 2015, 140, 4030-4036.	3.5	70
132	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> , 2015, 87, 11368-11374.	6.5	282
133	Highly sensitive homogeneous electrochemical assay for methyltransferase activity based on methylation-responsive exonuclease III-assisted signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 575-580.	7.8	44
134	Aptamer binding assays for proteins: The thrombin example—A review. <i>Analytica Chimica Acta</i> , 2014, 837, 1-15.	5.4	317
135	Sensitive electrochemical assay for T4 polynucleotide kinase activity based on dual-signaling amplification coupled with exonuclease reaction. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 588-593.	7.8	29
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137	DNA-Mediated Homogeneous Binding Assays for Nucleic Acids and Proteins. <i>Chemical Reviews</i> , 2013, 113, 2812-2841.	47.7	381
138	A novel and versatile sensing platform based on HRP-mimicking DNAzyme-catalyzed template-guided deposition of polyaniline. <i>Biosensors and Bioelectronics</i> , 2013, 41, 903-906.	10.1	45
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