

Xi-Liang Luo

List of Publications by Year in descending order

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306
papers

17,166
citations

12328

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308
all docs

308
docs citations

308
times ranked

16688
citing authors

#	ARTICLE	IF	CITATIONS
1	A Cell-Anchored and Self-Calibrated DNA Nanoplatfor for in Situ Imaging and Quantification of Endogenous MicroRNA in Live Cells: Introducing Two Controls to Normalize the Sensing Signals. <i>CCS Chemistry</i> , 2023, 5, 176-190.	7.8	6
2	Self-powered anti-interference photoelectrochemical immunosensor based on Au/ZIS/CIS heterojunction photocathode with zwitterionic peptide anchoring. <i>Chinese Chemical Letters</i> , 2022, 33, 4750-4755.	9.0	17
3	An ultrasensitive biosensor for prostate specific antigen detection in complex serum based on functional signal amplifier and designed peptides with both antifouling and recognizing capabilities. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113921.	10.1	26
4	A DNzyme-based normalized fluorescence strategy for direct quantification of endogenous zinc in living cells. <i>Chemical Communications</i> , 2022, 58, 577-580.	4.1	6
5	Photoregulative phase change biomaterials showing thermodynamic and mchanical stabilities. <i>Nanoscale</i> , 2022, 14, 976-983.	5.6	9
6	Antifouling Electrochemical Biosensor Based on the Designed Functional Peptide and the Electrodeposited Conducting Polymer for CTC Analysis in Human Blood. <i>Analytical Chemistry</i> , 2022, 94, 2204-2211.	6.5	46
7	Construction of a Structure-Switchable Toehold Dumbbell Probe for Sensitive and Label-Free Measurement of MicroRNA in Cancer Cells and Tissues. <i>Analytical Chemistry</i> , 2022, 94, 1882-1889.	6.5	22
8	Optically Programmable Plasmon Enhanced Fluorescence-Catalytic Hairpin Assembly Signal Amplification Strategy for Spatiotemporally Precise Imaging. <i>Analytical Chemistry</i> , 2022, 94, 5399-5405.	6.5	19
9	Charge-Transfer Resonance and Surface Defect-Dominated WO ₃ Hollow Microspheres as SERS Substrates for the miRNA 155 Assay. <i>Analytical Chemistry</i> , 2022, 94, 6967-6975.	6.5	24
10	Wearable transdermal microneedle patch based on photonic crystal hydrogel for glucose monitoring. <i>Chinese Journal of Analytical Chemistry</i> , 2022, 50, 100054.	1.7	8
11	Antifouling peptides combined with recognizing DNA probes for ultralow fouling electrochemical detection of cancer biomarkers in human bodily fluids. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114162.	10.1	25
12	Click reaction-assisted construction of antifouling immunosensors for electrochemical detection of cancer biomarkers in human serum. <i>Sensors and Actuators B: Chemical</i> , 2022, 363, 131810.	7.8	12
13	Designed multifunctional peptides with two recognizing branches specific for one target to achieve highly sensitive and low fouling electrochemical protein assay in human serum. <i>Analytica Chimica Acta</i> , 2022, 1208, 339841.	5.4	2
14	Wearable transdermal colorimetric microneedle patch for Uric acid monitoring based on peroxidase-like polypyrrole nanoparticles. <i>Analytica Chimica Acta</i> , 2022, 1212, 339911.	5.4	25
15	Functional DNA-peptide conjugates with enhanced antifouling capabilities for electrochemical detection of proteins in complex human serum. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132110.	7.8	16
16	<scpd>-Amino Acid-Based Antifouling Peptides for the Construction of Electrochemical Biosensors Capable of Assaying Proteins in Serum with Enhanced Stability. <i>ACS Sensors</i> , 2022, 7, 1740-1746.	7.8	14
17	Aqueous synthesis of bright near-infrared-emitting Zn-Cu-In-Se quantum dots for multiplexed detection of tumor markers. <i>Nano Research</i> , 2022, 15, 8351-8359.	10.4	3
18	Semiconductor Nanocrystals Emitting in the Second Near-Infrared Window: Optical Properties and Application in Biomedical Imaging. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	16

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19	Catalytic single-molecule Förster resonance energy transfer biosensor for uracil-DNA glycosylase detection and cellular imaging. <i>Biosensors and Bioelectronics</i> , 2022, 213, 114447.	10.1	15
20	All-polymer ultrathin flexible supercapacitors for electronic skin. <i>Chemical Engineering Journal</i> , 2021, 405, 126915.	12.7	19
21	Ultrasensitive ratiometric electrochemical immunoassay of N-terminal pro-B-type natriuretic peptide based on three-dimensional PtCoNi hollow multi-branches/ferrocene-grafted-ionic liquid and Co N C nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128794.	7.8	35
22	An ultrasensitive biosensor based on three-dimensional nanoporous conducting polymer decorated with gold nanoparticles for microRNA detection. <i>Microchemical Journal</i> , 2021, 161, 105780.	4.5	14
23	Partial sulfidation for constructing Cu ₂ O@CuS heterostructures realizing enhanced electrochemical glucose sensing. <i>New Journal of Chemistry</i> , 2021, 45, 7204-7209.	2.8	11
24	Label-Free and Template-Free Chemiluminescent Biosensor for Sensitive Detection of 5-Hydroxymethylcytosine in Genomic DNA. <i>Analytical Chemistry</i> , 2021, 93, 1939-1943.	6.5	20
25	A Host-Guest Interaction-Based and Metal-Organic Gel-Based Biosensor with Aggregation-Induced Electrochemiluminescence Enhancement for Methyltransferase Assay. <i>Analytical Chemistry</i> , 2021, 93, 2974-2981.	6.5	35
26	Advances in Detection of Epigenetic Modification 5-Hydroxymethylcytosine. <i>Acta Chimica Sinica</i> , 2021, 79, 614.	1.4	2
27	Peptide-Based Photocathodic Biosensors: Integrating a Recognition Peptide with an Antifouling Peptide. <i>Analytical Chemistry</i> , 2021, 93, 2706-2712.	6.5	25
28	Visible Light Responsive DNA Thermotropic Liquid Crystals Based on a Photothermal Effect of Gold Nanoparticles. <i>Journal of Analysis and Testing</i> , 2021, 5, 181-187.	5.1	6
29	Bovine Serum Albumin-Cross-Linked Polyaniline Nanowires for Ultralow Fouling and Highly Sensitive Electrochemical Protein Quantification in Human Serum Samples. <i>Analytical Chemistry</i> , 2021, 93, 4326-4333.	6.5	39
30	Electrochemical sensing interfaces based on hierarchically architected zwitterionic peptides for ultralow fouling detection of alpha fetoprotein in serum. <i>Analytica Chimica Acta</i> , 2021, 1146, 17-23.	5.4	23
31	Impact of double-chain surfactant stabilizer on the free active surface sites of gold nanoparticles. <i>Molecular Catalysis</i> , 2021, 501, 111377.	2.0	7
32	A novel ratiometric electrochemical cupric ion sensing strategy based on unmodified electrode. <i>Analytica Chimica Acta</i> , 2021, 1146, 11-16.	5.4	11
33	Preparation and electrochemical sensing application of porous conducting polymers. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116155.	11.4	19
34	A facile ratiometric electrochemical strategy for ultrasensitive monitoring HER2 using polydopamine-grafted-ferrocene/reduced graphene oxide, Au@Ag nanoshuttles and hollow Ni@PtNi yolk-shell nanocages. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129460.	7.8	56
35	Bilirubin oxidase labeling triggers an efficient signaling mechanism of oxygen reduction reaction for smart photocathodic immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129331.	7.8	5
36	Ultrasensitive Nucleic Acid Assay Based on AIE-Active Polymer Dots with Excellent Electrochemiluminescence Stability. <i>Analytical Chemistry</i> , 2021, 93, 6857-6864.	6.5	46

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37	Low fouling electrochemical biosensors based on designed Y-shaped peptides with antifouling and recognizing branches for the detection of IgG in human serum. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113016.	10.1	53
38	Biocompatible peptide hydrogels with excellent antibacterial and catalytic properties for electrochemical sensing application. <i>Analytica Chimica Acta</i> , 2021, 1154, 338295.	5.4	25
39	Eco-friendly one-pot aqueous synthesis of ultra-thin AuPdCu alloyed nanowire-like networks for highly sensitive immunoassay of creatine kinase-MB. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129573.	7.8	19
40	Ratiometric Antifouling Electrochemical Biosensors Based on Multifunctional Peptides and MXene Loaded with Au Nanoparticles and Methylene Blue. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20388-20396.	8.0	86
41	Electrochemical Biosensor with Enhanced Antifouling Capability for COVID-19 Nucleic Acid Detection in Complex Biological Media. <i>Analytical Chemistry</i> , 2021, 93, 5963-5971.	6.5	102
42	All-polymer free-standing electrodes for flexible electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129675.	7.8	23
43	Functionalized Germanene-Based Nanomaterials for the Detection of Single Nucleotide Polymorphism. <i>ACS Applied Nano Materials</i> , 2021, 4, 5164-5175.	5.0	17
44	Covalent Amide-Bonded Nanoflakes for High-Fidelity Intracellular Sensing and Targeted Therapy: A Superstable Nanosystem Free of Nonspecific Interferences. <i>Analytical Chemistry</i> , 2021, 93, 7879-7888.	6.5	8
45	MnO ₂ shell-isolated SERS nanoprobe for the quantitative detection of ALP activity in trace serum: Relying on the enzyme-triggered etching of MnO ₂ shell to regulate the signal. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129605.	7.8	20
46	Free-standing electrochemical biosensor for carcinoembryonic antigen detection based on highly stable and flexible conducting polypyrrole nanocomposite. <i>Mikrochimica Acta</i> , 2021, 188, 217.	5.0	16
47	Antifouling Peptide Hydrogel Based Electrochemical Biosensors for Highly Sensitive Detection of Cancer Biomarker HER2 in Human Serum. <i>Analytical Chemistry</i> , 2021, 93, 7355-7361.	6.5	70
48	An antifouling electrochemical biosensor based on a protein imprinted hydrogel for human immunoglobulin G recognition in complex biological media. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129820.	7.8	19
49	Bipolar Aggregation-Induced Electrochemiluminescence of Thiophene-Fused Conjugated Microporous Polymers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28782-28789.	8.0	23
50	A signal-on photoelectrochemical aptasensor for chloramphenicol assay based on 3D self-supporting AgI/Ag/BiOI Z-scheme heterojunction arrays. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113158.	10.1	118
51	A novel SERS substrate with high reusability for sensitive detection of miRNA 21. <i>Talanta</i> , 2021, 228, 122240.	5.5	16
52	Photoliquefiable DNA-surfactant ionic crystals: Anhydrous self-healing biomaterials at room temperature. <i>Acta Biomaterialia</i> , 2021, 128, 143-149.	8.3	13
53	Dual-Mode Scattering Nanoprobes for Imaging Hydrogen Sulfide in Living Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 7319-7329.	5.0	11
54	Construction of a Dye-Sensitized and Gold Plasmon-Enhanced Cathodic Photoelectrochemical Biosensor for Methyltransferase Activity Assay. <i>Analytical Chemistry</i> , 2021, 93, 10310-10316.	6.5	26

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55	Anti-Fouling Magnetic Beads Combined with Signal Amplification Strategies for Ultra-Sensitive and Selective Electrochemiluminescence Detection of MicroRNAs in Complex Biological Media. <i>Analytical Chemistry</i> , 2021, 93, 10679-10687.	6.5	48
56	Facile construction of ratiometric electrochemical immunosensor using hierarchical PtCoIr nanowires and porous SiO ₂ @Ag nanoparticles for accurate detection of septicemia biomarker. <i>Bioelectrochemistry</i> , 2021, 140, 107802.	4.6	27
57	A label-free electrochemical immunosensor based on encapsulated signal molecules in mesoporous silica-coated gold nanorods for ultrasensitive assay of procalcitonin. <i>Bioelectrochemistry</i> , 2021, 140, 107753.	4.6	20
58	A label-free electrochemical immunosensor based on signal magnification of oxygen reduction reaction catalyzed by uniform PtCo nanodendrites for highly sensitive detection of carbohydrate antigen 15-3. <i>Analytica Chimica Acta</i> , 2021, 1176, 338750.	5.4	25
59	From Passive Signal Output to Intelligent Response: "On-Demand" Precise Imaging Controlled by Near-Infrared Light. <i>Analytical Chemistry</i> , 2021, 93, 12329-12336.	6.5	27
60	High-Performance Piezoelectrocatalytic Sensing of Ascorbic Acid with Nanostructured Wurtzite Zinc Oxide. <i>Advanced Materials</i> , 2021, 33, e2105697.	21.0	38
61	Antifouling Aptasensor Based on Self-Assembled Loop-Closed Peptides with Enhanced Stability for CA125 Assay in Complex Biofluids. <i>Analytical Chemistry</i> , 2021, 93, 13555-13563.	6.5	37
62	Photoswitchable solvent-free DNA thermotropic liquid crystals toward self-erasable shape information recording biomaterials. <i>Materials Today Bio</i> , 2021, 12, 100140.	5.5	8
63	Powerful tailoring effects of counterions of ammonium surfactants on the phase transitions of solvent-free DNA thermotropic liquid crystals. <i>Journal of Molecular Liquids</i> , 2021, 337, 116480.	4.9	8
64	Multifunctional nano-biosensor based on metal-organic framework for enhanced fluorescence imaging of intracellular miRNA-122 and synergistic chemo-photothermal therapy of tumor cells. <i>Analytica Chimica Acta</i> , 2021, 1176, 338779.	5.4	11
65	Efficient cathodic aptasensor coupling photoelectrochemical enhancement of PEDOT/Bi ₂ S ₃ /ZnO photoanode with signal amplification of Pt nanocatalysts. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130365.	7.8	7
66	An electrochemical biosensor for alpha-fetoprotein detection in human serum based on peptides containing isomer D-Amino acids with enhanced stability and antifouling property. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113466.	10.1	30
67	A durable antifouling protein molecularly imprinted gel interface for human serum albumin detection and antibacterial application. <i>Chemical Engineering Journal</i> , 2021, 421, 129752.	12.7	10
68	Nanosheets-assembled hollow CdIn ₂ S ₄ microspheres-based photoelectrochemical and fluorescent dual-mode aptasensor for highly sensitive assay of 17 β -estradiol based on magnetic separation and enzyme catalytic amplification. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130553.	7.8	29
69	AuPt nanocrystals/polydopamine supported on open-pored hollow carbon nanospheres for a dual-signaling electrochemical ratiometric immunosensor towards h-FABP detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130501.	7.8	42
70	A conducting polymer PEDOT:PSS hydrogel based wearable sensor for accurate uric acid detection in human sweat. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130674.	7.8	99
71	Antifouling biosensors for reliable protein quantification in serum based on designed all-in-one branched peptides. <i>Chemical Communications</i> , 2021, 57, 777-780.	4.1	20
72	More Symmetrical "Hot Spots" Ensure Stronger Plasmon-Enhanced Fluorescence: From Au Nanorods to Nanostars. <i>Analytical Chemistry</i> , 2021, 93, 2480-2489.	6.5	46

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73	Multicolor fluorescence encoding of different microRNAs in lung cancer tissues at the single-molecule level. <i>Chemical Science</i> , 2021, 12, 12407-12418.	7.4	24
74	Near-infrared emitting Cu ²⁺ /In ³⁺ /Se/ZnS core/shell quantum dots: aqueous synthesis and sulfur source effects. <i>Chemical Communications</i> , 2021, 57, 4178-4181.	4.1	5
75	Electrochemical Biosensor with Enhanced Antifouling Capability Based on Amyloid-like Bovine Serum Albumin and a Conducting Polymer for Ultrasensitive Detection of Proteins in Human Serum. <i>Analytical Chemistry</i> , 2021, 93, 14351-14357.	6.5	27
76	Development of a Single Quantum Dot-Mediated FRET Nanosensor for Sensitive Detection of Single-Nucleotide Polymorphism in Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 14568-14576.	6.5	29
77	Dual Recognition DNA Triangular Prism Nanoprobe: Toward the Relationship between K ⁺ and pH in Lysosomes. <i>Analytical Chemistry</i> , 2021, 93, 14892-14899.	6.5	13
78	Rapid large-scale synthesis of ultrathin NiFe-layered double hydroxide nanosheets with tunable structures as robust oxygen evolution electrocatalysts. <i>RSC Advances</i> , 2021, 11, 37624-37630.	3.6	7
79	One-pot enzyme- and indicator-free colorimetric sensing of glucose based on MnO ₂ nano-oxidizer. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127304.	7.8	34
80	A coumarin-appended cyclometalated iridium(III) complex for visible light driven photoelectrochemical bioanalysis. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111779.	10.1	19
81	Strongly emitting and long-lived silver indium sulfide quantum dots for bioimaging: Insight into co-ligand effect on enhanced photoluminescence. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 35-42.	9.4	26
82	Construction of efficient "on-off-on" fluorescence aptasensor for ultrasensitive detection of prostate specific antigen via covalent energy transfer between g-C ₃ N ₄ quantum dots and palladium triangular plates. <i>Analytica Chimica Acta</i> , 2020, 1104, 53-59.	5.4	27
83	Adenosine triphosphate responsive metal-organic frameworks equipped with a DNA structure lock for construction of a ratiometric SERS biosensor. <i>Chemical Communications</i> , 2020, 56, 1413-1416.	4.1	35
84	A distance-triggered signaling "on-off" mechanism by plasmonic Au nanoparticles: toward advanced photocathodic DNA bioanalysis. <i>Chemical Communications</i> , 2020, 56, 1345-1348.	4.1	12
85	The mimetic assembly of cobalt prot-porphyrin with cyclodextrin dimer and its application for H ₂ O ₂ detection. <i>Analytica Chimica Acta</i> , 2020, 1097, 78-84.	5.4	23
86	Designed zwitterionic peptide combined with sacrificial Fe-MOF for low fouling and highly sensitive electrochemical detection of T4 polynucleotide kinase. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127329.	7.8	50
87	A flexible and highly sensitive nitrite sensor enabled by interconnected 3D porous polyaniline/carbon nanotube conductive hydrogels. <i>Analytical Methods</i> , 2020, 12, 604-610.	2.7	17
88	Ratiometric Multicolor Analysis of Intracellular MicroRNA Using a Chain Hybrid Substitution-Triggered Self-Assembly of Silver Nanocluster-Based Label-Free Sensing Platform. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 373-379.	8.0	23
89	One-step electrodeposition of poly(m-aminobenzoic acid) membrane decorated with peptide for antifouling biosensing of Immunoglobulin E. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110706.	5.0	19
90	Aggregation-induced emission based one-step "lighting up" sensor array for rapid protein identification. <i>Chemical Communications</i> , 2020, 56, 13828-13831.	4.1	16

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91	Platinum-based nanocomposite as oxygen reduction catalyst for efficient signal amplification: Toward building of high-performance photocathodic immunoassay. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112563.	10.1	10
92	Shell-Switchable SERS Blocking Strategy for Reliable Signal-On SERS Sensing in Living Cells: Detecting an External Target without Affecting the Internal Raman Molecule. <i>Analytical Chemistry</i> , 2020, 92, 11469-11475.	6.5	22
93	Nitrogen-doped graphene and conducting polymer PEDOT hybrids for flexible supercapacitor and electrochemical sensor. <i>Electrochimica Acta</i> , 2020, 355, 136772.	5.2	55
94	Target-triggered configuration change of DNA tetrahedron for SERS assay of microRNA 122. <i>Mikrochimica Acta</i> , 2020, 187, 460.	5.0	7
95	5-Hydroxymethylcytosine Glucosylation-Triggered Helicase-Dependent Amplification-Based Fluorescent Biosensor for Sensitive Detection of β -Glucosyltransferase with Zero Background Signal. <i>Analytical Chemistry</i> , 2020, 92, 16307-16313.	6.5	15
96	Rapid pattern recognition of different types of sulphur-containing species as well as serum and bacteria discrimination using Au NCs-Cu ²⁺ complexes. <i>Chinese Chemical Letters</i> , 2020, 31, 2473-2477.	9.0	9
97	Ratiometric antifouling electrochemiluminescence biosensor based on bi-functional peptides and low toxic quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128613.	7.8	22
98	Advances in Portable Visual Detection of Pathogenic Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 7291-7305.	4.6	24
99	Core-Shell Multifunctional Nanomaterial-Based All-in-One Nanoplatfrom for Simultaneous Multilayer Imaging of Dual Types of Tumor Biomarkers and Photothermal Therapy. <i>Analytical Chemistry</i> , 2020, 92, 15169-15178.	6.5	31
100	Ligand-modulated aqueous synthesis of color-tunable copper nanoclusters for the photoluminescent assay of Hg(II). <i>Mikrochimica Acta</i> , 2020, 187, 545.	5.0	10
101	Ratiometric electrogenerated chemiluminescence sensor based on a designed anti-fouling peptide for the detection of carcinoembryonic antigen. <i>Analytica Chimica Acta</i> , 2020, 1136, 134-140.	5.4	22
102	Liquid Phase Interfacial Surface-Enhanced Raman Scattering Platform for Ratiometric Detection of MicroRNA 155. <i>Analytical Chemistry</i> , 2020, 92, 15573-15578.	6.5	29
103	Electrochemical biosensors for the detection of carcinoembryonic antigen with low fouling and high sensitivity based on copolymerized polydopamine and zwitterionic polymer. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128253.	7.8	36
104	A AuNP-capped cage fluorescent biosensor based on controlled-release and cyclic enzymatic amplification for ultrasensitive detection of ATP. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5945-5951.	5.8	10
105	Designed Three-in-One Peptides with Anchoring, Antifouling, and Recognizing Capabilities for Highly Sensitive and Low-Fouling Electrochemical Sensing in Complex Biological Media. <i>Analytical Chemistry</i> , 2020, 92, 5795-5802.	6.5	48
106	Antifouling Strategies for Selective <i>In Vitro</i> and <i>In Vivo</i> Sensing. <i>Chemical Reviews</i> , 2020, 120, 3852-3889.	47.7	325
107	<i>In situ</i> sulfidation for controllable hetero-interface engineering of $\text{Fe-Ni(OH)}_2\text{-Ni}_3\text{S}_4$ hybrid structures realizing robust electrocatalytic methanol oxidation. <i>Chemical Communications</i> , 2020, 56, 5283-5286.	4.1	19
108	Ultrasensitive dual-signal ratiometric electrochemical aptasensor for neuron-specific enolase based on Au nanoparticles@Pd nanoclusters-poly(bismarck brown Y) and dendritic AuPt nanoassemblies. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127931.	7.8	43

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109	Water-soluble carbon dots with blue, yellow and red emissions: mechanism investigation and array-based fast sensing application. <i>Chemical Communications</i> , 2020, 56, 4074-4077.	4.1	30
110	Introduction of an antifouling photoelectrode: an effective strategy for a high-performance photoelectrochemical cytosensor. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4836-4840.	5.8	5
111	Well-dispersed Co ₃ Fe ₇ alloy nanoparticles wrapped in N-doped defect-rich carbon nanosheets as a highly efficient and methanol-resistant catalyst for oxygen-reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 277-285.	9.4	54
112	Antifouling sensors based on peptides for biomarker detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115903.	11.4	35
113	Electrochemical Biosensors Capable of Detecting Biomarkers in Human Serum with Unique Long-Term Antifouling Abilities Based on Designed Multifunctional Peptides. <i>Analytical Chemistry</i> , 2020, 92, 7186-7193.	6.5	73
114	Designed antifouling peptides planted in conducting polymers through controlled partial doping for electrochemical detection of biomarkers in human serum. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112317.	10.1	58
115	Coupling photoelectrochemical and electrochemical strategies in one probe electrode: Toward sensitive and reliable dual-signal bioassay for uracil-DNA glycosylase activity. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111569.	10.1	62
116	Target-induced formation of multiple DNAzymes in solid-state nanochannels: Toward innovative photoelectrochemical probing of telomerase activity. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111564.	10.1	15
117	Embedded Au Nanoparticles-Based Ratiometric Electrochemical Sensing Strategy for Sensitive and Reliable Detection of Copper Ions. <i>Analytical Chemistry</i> , 2019, 91, 12006-12013.	6.5	70
118	Electrochemical aptasensor based on Au@HS-rGO and thymine-Hg ²⁺ -thymine structure for sensitive detection of mercury ion. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113308.	3.8	26
119	A nanocomposite consisting of MnO ₂ nanoflowers and the conducting polymer PEDOT for highly sensitive amperometric detection of paracetamol. <i>Mikrochimica Acta</i> , 2019, 186, 499.	5.0	21
120	Rapid room-temperature fabrication of ultrathin Ni(OH) ₂ nanoflakes with abundant edge sites for efficient urea oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118020.	20.2	108
121	Highly selective ratiometric electrogenerated chemiluminescence assay of DNA methyltransferase activity via polyaniline and anti-fouling peptide modified electrode. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111553.	10.1	39
122	Zinc ion-triggered aggregation induced emission enhancement of dual ligand co-functionalized gold nanoclusters based novel fluorescent nanoswitch for multi-component detection. <i>Analytica Chimica Acta</i> , 2019, 1079, 192-199.	5.4	19
123	Simple one-pot aqueous synthesis of 3D superstructured PtCoCuPd alloyed tripods with hierarchical branches for ultrasensitive immunoassay of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111638.	10.1	47
124	Bioinspired one-pot fabrication of triple-layered Rh@Co@Pt-skin core-shell nanodendrites: A highly active and durable electrocatalyst towards oxygen reduction reaction. <i>Electrochimica Acta</i> , 2019, 321, 134660.	5.2	20
125	Robust photoelectrochemical cytosensor in biological media using antifouling property of zwitterionic peptide. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126996.	7.8	21
126	Low fouling and ultrasensitive electrochemical immunosensors with dual assay methods based on Fe ₃ O ₄ magnetic nanoparticles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5842-5847.	5.8	11

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127	Ultrahighly Efficient and Stable Fluorescent Gold Nanoclusters Coated with Screened Peptides of Unique Sequences for Effective Protein and Serum Discrimination. <i>Analytical Chemistry</i> , 2019, 91, 13947-13952.	6.5	48
128	Fe-doped Ag ₂ S with excellent peroxidase-like activity for colorimetric determination of H ₂ O ₂ . <i>Journal of Alloys and Compounds</i> , 2019, 785, 1189-1197.	5.5	84
129	Low fouling strategies for electrochemical biosensors targeting disease biomarkers. <i>Analytical Methods</i> , 2019, 11, 702-711.	2.7	81
130	Electrochemical Aptasensor for Ultralow Fouling Cancer Cell Quantification in Complex Biological Media Based on Designed Branched Peptides. <i>Analytical Chemistry</i> , 2019, 91, 8334-8340.	6.5	106
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