

Jing-Juan Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2193432/publications.pdf>

Version: 2024-02-01

341
papers

21,463
citations

7568

77
h-index

14208

128
g-index

344
all docs

344
docs citations

344
times ranked

15402
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrochemical bioanalysis: the state of the art. Chemical Society Reviews, 2015, 44, 729-741.	38.1	750
2	Photoelectrochemical DNA Biosensors. Chemical Reviews, 2014, 114, 7421-7441.	47.7	722
3	Energy Level Engineering of MoS ₂ by Transition-Metal Doping for Accelerating Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2017, 139, 15479-15485.	13.7	713
4	Hot Electron of Au Nanorods Activates the Electrocatalysis of Hydrogen Evolution on MoS ₂ Nanosheets. Journal of the American Chemical Society, 2015, 137, 7365-7370.	13.7	556
5	Two-photon excitation nanoparticles for photodynamic therapy. Chemical Society Reviews, 2016, 45, 6725-6741.	38.1	443
6	Dual-Wavelength Electrochemiluminescence Ratiometry Based on Resonance Energy Transfer between Au Nanoparticles Functionalized g-C ₃ N ₄ Nanosheet and Ru(bpy) ₃ ²⁺ for microRNA Detection. Analytical Chemistry, 2016, 88, 937-944.	6.5	297
7	Gold Nanoparticle Enhanced Electrochemiluminescence of CdS Thin Films for Ultrasensitive Thrombin Detection. Analytical Chemistry, 2011, 83, 4004-4011.	6.5	286
8	Ratiometric fluorescence, electrochemiluminescence, and photoelectrochemical chemo/biosensing based on semiconductor quantum dots. Nanoscale, 2016, 8, 8427-8442.	5.6	277
9	Highly Sensitive Photoelectrochemical Immunoassay with Enhanced Amplification Using Horseradish Peroxidase Induced Biocatalytic Precipitation on a CdS Quantum Dots Multilayer Electrode. Analytical Chemistry, 2012, 84, 917-923.	6.5	270
10	Electrochemically Generated versus Photoexcited Luminescence from Semiconductor Nanomaterials: Bridging the Valley between Two Worlds. Chemical Reviews, 2014, 114, 11027-11059.	47.7	265
11	Distance-dependent quenching and enhancing of electrochemiluminescence from a CdS:Mn nanocrystal film by Au nanoparticles for highly sensitive detection of DNA. Chemical Communications, 2009, , 905.	4.1	264
12	Photoelectrochemical Immunoassays. Analytical Chemistry, 2018, 90, 615-627.	6.5	255
13	Label-free photoelectrochemical immunoassay for Î±-fetoprotein detection based on TiO ₂ /CdS hybrid. Biosensors and Bioelectronics, 2009, 25, 791-796.	10.1	235
14	Photoelectrochemical enzymatic biosensors. Biosensors and Bioelectronics, 2017, 92, 294-304.	10.1	231
15	A Label-Free Photoelectrochemical Immunosensor Based on Water-Soluble CdS Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 11142-11148.	3.1	224
16	Electrochemiluminescence Ratiometry: A New Approach to DNA Biosensing. Analytical Chemistry, 2013, 85, 5321-5325.	6.5	212
17	<i>In Situ</i> Enzymatic Ascorbic Acid Production as Electron Donor for CdS Quantum Dots Equipped TiO ₂ Nanotubes: A General and Efficient Approach for New Photoelectrochemical Immunoassay. Analytical Chemistry, 2012, 84, 10518-10521.	6.5	210
18	Direct Plasmon-Accelerated Electrochemical Reaction on Gold Nanoparticles. ACS Nano, 2017, 11, 5897-5905.	14.6	208

#	ARTICLE	IF	CITATIONS
19	Quantum Dots: Electrochemiluminescent and Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2015, 87, 9520-9531.	6.5	200
20	In-situ synthesis of poly(dimethylsiloxane)-gold nanoparticles composite films and its application in microfluidic systems. <i>Lab on A Chip</i> , 2008, 8, 352-357.	6.0	197
21	Functional nanoprobe for ultrasensitive detection of biomolecules: an update. <i>Chemical Society Reviews</i> , 2014, 43, 1601-1611.	38.1	190
22	Signal-On Dual-Potential Electrochemiluminescence Based on Luminol-Gold Bifunctional Nanoparticles for Telomerase Detection. <i>Analytical Chemistry</i> , 2014, 86, 3834-3840.	6.5	186
23	Signal-On Electrochemiluminescence Biosensors Based on CdS-Carbon Nanotube Nanocomposite for the Sensitive Detection of Choline and Acetylcholine. <i>Advanced Functional Materials</i> , 2009, 19, 1444-1450.	14.9	177
24	Energy transfer between CdS quantum dots and Au nanoparticles in photoelectrochemical detection. <i>Chemical Communications</i> , 2011, 47, 10990.	4.1	177
25	Exciton-Plasmon Interactions between CdS Quantum Dots and Ag Nanoparticles in Photoelectrochemical System and Its Biosensing Application. <i>Analytical Chemistry</i> , 2012, 84, 5892-5897.	6.5	174
26	Aggregation-Induced Electrochemiluminescence of Carboranyl Carbazoles in Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3162-3166.	13.8	170
27	A ratiometric electrochemiluminescence detection for cancer cells using g-C ₃ N ₄ nanosheets and Ag-PAMAM-luminol nanocomposites. <i>Biosensors and Bioelectronics</i> , 2016, 77, 76-82.	10.1	162
28	Using G-Quadruplex/Hemin To "Switch-On" the Cathodic Photocurrent of p-Type PbS Quantum Dots: Toward a Versatile Platform for Photoelectrochemical Aptasensing. <i>Analytical Chemistry</i> , 2015, 87, 2892-2900.	6.5	152
29	Hybrid PbS Quantum Dot/Nanoporous NiO Film Nanostructure: Preparation, Characterization, and Application for a Self-Powered Cathodic Photoelectrochemical Biosensor. <i>Analytical Chemistry</i> , 2017, 89, 8070-8078.	6.5	149
30	Dopamine sensitized nanoporous TiO ₂ film on electrodes: Photoelectrochemical sensing of NADH under visible irradiation. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2494-2498.	10.1	148
31	Photoelectrochemical aptasensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 307-315.	11.4	145
32	Electrogenerated Chemiluminescence Imaging of Electrocatalysis at a Single Au-Pt Janus Nanoparticle. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4010-4014.	13.8	145
33	Electrochemical Biosensors Based on Layer-by-Layer Assemblies. <i>Electroanalysis</i> , 2006, 18, 1737-1748.	2.9	140
34	Visual Electrochemiluminescence Detection of Cancer Biomarkers on a Closed Bipolar Electrode Array Chip. <i>Analytical Chemistry</i> , 2015, 87, 530-537.	6.5	140
35	Optical nano-biosensing interface via nucleic acid amplification strategy: construction and application. <i>Chemical Society Reviews</i> , 2018, 47, 1996-2019.	38.1	139
36	Shape-Controlled Gold Nanoarchitectures: Synthesis, Superhydrophobicity, and Electrocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13886-13892.	3.1	138

#	ARTICLE	IF	CITATIONS
37	A Nanochannel Array-Based Electrochemical Device for Quantitative Label-free DNA Analysis. ACS Nano, 2010, 4, 6417-6424.	14.6	134
38	Sensitive Electrochemiluminescence Detection of c-Myc mRNA in Breast Cancer Cells on a Wireless Bipolar Electrode. Analytical Chemistry, 2012, 84, 5407-5414.	6.5	120
39	Selective detection of trace amount of Cu ²⁺ using semiconductor nanoparticles in photoelectrochemical analysis. Nanoscale, 2010, 2, 1112.	5.6	119
40	RuSi@Ru(bpy) ₃ ²⁺ /Au@Ag ₂ S Nanoparticles Electrochemiluminescence Resonance Energy Transfer System for Sensitive DNA Detection. Analytical Chemistry, 2014, 86, 4559-4565.	6.5	117
41	Portable Smartphone-Based QDs for the Visual Onsite Monitoring of Fluoroquinolone Antibiotics in Actual Food and Environmental Samples. ACS Applied Materials & Interfaces, 2020, 12, 14552-14562.	8.0	115
42	Electrochemiluminescence on bipolar electrodes for visual bioanalysis. Chemical Science, 2013, 4, 1182.	7.4	111
43	CdS quantum dots/Ru(bpy) ₃ ²⁺ electrochemiluminescence resonance energy transfer system for sensitive cytosensing. Chemical Communications, 2011, 47, 7752.	4.1	109
44	Microchip Device with 64-Site Electrode Array for Multiplexed Immunoassay of Cell Surface Antigens Based on Electrochemiluminescence Resonance Energy Transfer. Analytical Chemistry, 2012, 84, 4207-4213.	6.5	108
45	Sensitive Electrochemiluminescence Biosensor Based on Au-ITO Hybrid Bipolar Electrode Amplification System for Cell Surface Protein Detection. Analytical Chemistry, 2013, 85, 11960-11965.	6.5	108
46	Disposable paper-based bipolar electrode for sensitive electrochemiluminescence detection of a cancer biomarker. Chemical Communications, 2014, 50, 10949.	4.1	108
47	Dual-emitting quantum dot nanohybrid for imaging of latent fingerprints: simultaneous identification of individuals and traffic light-type visualization of TNT. Chemical Science, 2015, 6, 4445-4450.	7.4	108
48	Selective sensing of cysteine on manganese dioxide nanowires and chitosan modified glassy carbon electrodes. Biosensors and Bioelectronics, 2009, 24, 2985-2990.	10.1	107
49	Acetylcholine Esterase Antibodies on BiOI Nanoflakes/TiO ₂ Nanoparticles Electrode: A Case of Application for General Photoelectrochemical Enzymatic Analysis. Analytical Chemistry, 2013, 85, 11686-11690.	6.5	106
50	Visual Color-Switch Electrochemiluminescence Biosensing of Cancer Cell Based on Multichannel Bipolar Electrode Chip. Analytical Chemistry, 2016, 88, 2884-2890.	6.5	106
51	Ultrasmall Nanopipette: Toward Continuous Monitoring of Redox Metabolism at Subcellular Level. Angewandte Chemie - International Edition, 2018, 57, 13226-13230.	13.8	105
52	Electrochemiluminescence Resonance Energy Transfer System for Dual-Wavelength Ratiometric miRNA Detection. Analytical Chemistry, 2018, 90, 13723-13728.	6.5	102
53	Gold Nanoparticle Couples with Entropy-Driven Toehold-Mediated DNA Strand Displacement Reaction on Magnetic Beads: Toward Ultrasensitive Energy-Transfer-Based Photoelectrochemical Detection of miRNA-141 in Real Blood Sample. Analytical Chemistry, 2018, 90, 11892-11898.	6.5	102
54	Synthesis of Potassium-Modified Graphene and Its Application in Nitrite-Selective Sensing. Advanced Functional Materials, 2012, 22, 1981-1988.	14.9	101

#	ARTICLE	IF	CITATIONS
55	Photoelectrochemical bioanalysis: A mini review. <i>Electrochemistry Communications</i> , 2014, 38, 40-43.	4.7	101
56	Dual-Mode SERS and Electrochemical Detection of miRNA Based on Popcorn-like Gold Nanofilms and Toehold-Mediated Strand Displacement Amplification Reaction. <i>Analytical Chemistry</i> , 2021, 93, 6120-6127.	6.5	98
57	Simultaneous Photoelectrochemical Immunoassay of Dual Cardiac Markers Using Specific Enzyme Tags: A Proof of Principle for Multiplexed Bioanalysis. <i>Analytical Chemistry</i> , 2016, 88, 1990-1994.	6.5	97
58	Alkaline Phosphatase Tagged Antibodies on Gold Nanoparticles/TiO ₂ Nanotubes Electrode: A Plasmonic Strategy for Label-Free and Amplified Photoelectrochemical Immunoassay. <i>Analytical Chemistry</i> , 2016, 88, 5626-5630.	6.5	96
59	A highly sensitive ratiometric electrochemiluminescent biosensor for microRNA detection based on cyclic enzyme amplification and resonance energy transfer. <i>Chemical Communications</i> , 2014, 50, 14828-14830.	4.1	94
60	Ultrasensitive MicroRNA Assay via Surface Plasmon Resonance Responses of Au@Ag Nanorods Etching. <i>Analytical Chemistry</i> , 2017, 89, 10585-10591.	6.5	94
61	Photoelectrochemical detection of metal ions. <i>Analyst</i> , 2016, 141, 4262-4271.	3.5	93
62	Ultrasensitive DNA detection based on Au nanoparticles and isothermal circular double-assisted electrochemiluminescence signal amplification. <i>Chemical Communications</i> , 2011, 47, 8358.	4.1	89
63	Bipolar Electrode Based Multicolor Electrochemiluminescence Biosensor. <i>Analytical Chemistry</i> , 2017, 89, 8050-8056.	6.5	89
64	Electrogenerated chemiluminescence detection of single entities. <i>Chemical Science</i> , 2021, 12, 5720-5736.	7.4	88
65	Bidirectional Electrochemiluminescence Color Switch: An Application in Detecting Multimarkers of Prostate Cancer. <i>Analytical Chemistry</i> , 2018, 90, 3570-3575.	6.5	86
66	A sensitive biosensor for lactate based on layer-by-layer assembling MnO ₂ nanoparticles and lactate oxidase on ion-sensitive field-effect transistors. <i>Chemical Communications</i> , 2005, , 792.	4.1	85
67	Electrochemiluminescence Resonance Energy Transfer Between CdS:Eu Nanocrystals and Au Nanorods for Sensitive DNA Detection. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17773-17780.	3.1	85
68	ATP-Activatable Photosensitizer Enables Dual Fluorescence Imaging and Targeted Photodynamic Therapy of Tumor. <i>Analytical Chemistry</i> , 2017, 89, 13610-13617.	6.5	84
69	Electrochemiluminescence Energy Resonance Transfer System between RuSi Nanoparticles and Hollow Au Nanocages for Nucleic Acid Detection. <i>Analytical Chemistry</i> , 2018, 90, 10434-10441.	6.5	84
70	A General Strategy for Photoelectrochemical Immunoassay Using an Enzyme Label Combined with a CdS Quantum Dot/TiO ₂ Nanoparticle Composite Electrode. <i>Analytical Chemistry</i> , 2014, 86, 11513-11516.	6.5	83
71	Exploration of the Kinetics of Toehold-Mediated Strand Displacement <i>via</i> Plasmon Rulers. <i>ACS Nano</i> , 2018, 12, 3341-3350.	14.6	83
72	Reliable Förster Resonance Energy Transfer Probe Based on Structure-Switching DNA for Ratiometric Sensing of Telomerase in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 4216-4222.	6.5	82

#	ARTICLE	IF	CITATIONS
73	Progress in the studies of photoelectrochemical sensors. Science in China Series B: Chemistry, 2009, 52, 1789-1800.	0.8	81
74	Silver Nanoclusters for High-Efficiency Quenching of CdS Nanocrystal Electrochemiluminescence and Sensitive Detection of microRNA. ACS Applied Materials & Interfaces, 2015, 7, 26307-26314.	8.0	81
75	Insight into the Unique Fluorescence Quenching Property of Metal-Organic Frameworks upon DNA Binding. Analytical Chemistry, 2017, 89, 11366-11371.	6.5	81
76	Gold nanodendrities on graphene oxide nanosheets for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 1697-1703.	10.3	80
77	Plasmon-Enhanced Electrochemiluminescence for Nucleic Acid Detection Based on Gold Nanodendrites. Analytical Chemistry, 2018, 90, 1340-1347.	6.5	80
78	Recent Advances in Aggregation-Induced Electrochemiluminescence. Chemistry - A European Journal, 2019, 25, 12671-12683.	3.3	80
79	Recent advances in nanotechnology for simultaneous detection of multiple pathogenic bacteria. Nano Today, 2021, 38, 101121.	11.9	80
80	General Strategy for Enhancing Electrochemiluminescence of Semiconductor Nanocrystals by Hydrogen Peroxide and Potassium Persulfate as Dual Coreactants. Analytical Chemistry, 2015, 87, 12372-12379.	6.5	79
81	Quantum-dots-based photoelectrochemical bioanalysis highlighted with recent examples. Biosensors and Bioelectronics, 2017, 94, 207-218.	10.1	79
82	Electrochemiluminescence quenching by CdTe quantum dots through energy scavenging for ultrasensitive detection of antigen. Chemical Communications, 2010, 46, 5079.	4.1	78
83	Electrochemical Detection Method for Nonelectroactive and Electroactive Analytes in Microchip Electrophoresis. Analytical Chemistry, 2004, 76, 6902-6907.	6.5	77
84	A New Electrochemiluminescence Emission of Mn ²⁺ -Doped ZnS Nanocrystals in Aqueous Solution. Journal of Physical Chemistry C, 2008, 112, 17581-17585.	3.1	76
85	The coupling of localized surface plasmon resonance-based photoelectrochemistry and nanoparticle size effect: towards novel plasmonic photoelectrochemical biosensing. Chemical Communications, 2012, 48, 895-897.	4.1	75
86	Electrochemiluminescence behaviors of Eu ³⁺ -doped CdS nanocrystals film in aqueous solution. Nanoscale, 2012, 4, 831-836.	5.6	75
87	Monitoring the Changes of pH in Lysosomes during Autophagy and Apoptosis by Plasmon Enhanced Raman Imaging. Analytical Chemistry, 2019, 91, 8398-8405.	6.5	75
88	An Integrated Electrochemical Nanodevice for Intracellular RNA Collection and Detection in Single Living Cell. Angewandte Chemie - International Edition, 2021, 60, 13244-13250.	13.8	75
89	Highly Sensitive Colorimetric Cancer Cell Detection Based on Dual Signal Amplification. ACS Applied Materials & Interfaces, 2016, 8, 4434-4441.	8.0	74
90	Bismuth Oxyiodide Couples with Glucose Oxidase: A Special Synergized Dual-Catalysis Mechanism for Photoelectrochemical Enzymatic Bioanalysis. ACS Applied Materials & Interfaces, 2018, 10, 3372-3379.	8.0	74

#	ARTICLE	IF	CITATIONS
91	Super-Resolution Electrogenenerated Chemiluminescence Microscopy for Single-Nanocatalyst Imaging. Journal of the American Chemical Society, 2021, 143, 18511-18518.	13.7	74
92	Self-Assembled DNA Tetrahedral Scaffolds for the Construction of Electrochemiluminescence Biosensor with Programmable DNA Cyclic Amplification. ACS Applied Materials & Interfaces, 2017, 9, 17637-17644.	8.0	73
93	Nanochannels Photoelectrochemical Biosensor. Analytical Chemistry, 2018, 90, 2341-2347.	6.5	73
94	Improved AIE-Active Probe with High Sensitivity for Accurate Uranyl Ion Monitoring in the Wild Using Portable Electrochemiluminescence System for Environmental Applications. Advanced Functional Materials, 2020, 30, 2000220.	14.9	71
95	DNA Labeling Generates a Unique Amplification Probe for Sensitive Photoelectrochemical Immunoassay of HIV-1 p24 Antigen. Analytical Chemistry, 2015, 87, 5496-5499.	6.5	70
96	Anomalous Diffusion of Electrically Neutral Molecules in Charged Nanochannels. Angewandte Chemie - International Edition, 2010, 49, 7943-7947.	13.8	69
97	Immunogold labeling-induced synergy effect for amplified photoelectrochemical immunoassay of prostate-specific antigen. Chemical Communications, 2012, 48, 5253.	4.1	69
98	Cu Nanoclusters-Encapsulated Liposomes: Toward Sensitive Liposomal Photoelectrochemical Immunoassay. Analytical Chemistry, 2018, 90, 2749-2755.	6.5	69
99	Highly Sensitive Electrochemiluminescence Detection of Single-Nucleotide Polymorphisms Based on Isothermal Cycle-Assisted Triple-Stem Probe with Dual-Nanoparticle Label. Analytical Chemistry, 2011, 83, 8320-8328.	6.5	68
100	Ultrasensitive photoelectrochemical biosensing based on biocatalytic deposition. Electrochemistry Communications, 2011, 13, 495-497.	4.7	68
101	Efficient quenching of electrochemiluminescence from K-doped graphene@CdS:Eu NCs by G-quadruplex-hemin and target recycling-assisted amplification for ultrasensitive DNA biosensing. Chemical Communications, 2013, 49, 2246.	4.1	68
102	Protein Binding Bends the Gold Nanoparticle Capped DNA Sequence: Toward Novel Energy-Transfer-Based Photoelectrochemical Protein Detection. Analytical Chemistry, 2016, 88, 3864-3871.	6.5	67
103	Insight into Ion Transfer through the Sub-Nanometer Channels in Zeolitic Imidazolate Frameworks. Angewandte Chemie - International Edition, 2017, 56, 4767-4771.	13.8	66
104	In Situ Modification of a Semiconductor Surface by an Enzymatic Process: A General Strategy for Photoelectrochemical Bioanalysis. Analytical Chemistry, 2013, 85, 8503-8506.	6.5	65
105	Invoking Direct Exciton-Plasmon Interactions by Catalytic Ag Deposition on Au Nanoparticles: Photoelectrochemical Bioanalysis with High Efficiency. Analytical Chemistry, 2016, 88, 4183-4187.	6.5	65
106	Recent advances in electrochemiluminescence resonance energy transfer for bioanalysis: Fundamentals and applications. TrAC - Trends in Analytical Chemistry, 2020, 122, 115746.	11.4	65
107	Recent advances of ratiometric electrochemiluminescence biosensors. Journal of Materials Chemistry B, 2019, 7, 6469-6475.	5.8	64
108	Self-Supply of H_2O and O_2 by Hydrolyzing CaO_2 to Enhance the Electrochemiluminescence of Luminol Based on a Closed Bipolar Electrode. Analytical Chemistry, 2020, 92, 12693-12699.	6.5	64

#	ARTICLE	IF	CITATIONS
109	An Integrated Photoelectrochemical Nanotool for Intracellular Drug Delivery and Evaluation of Treatment Effect. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25762-25765.	13.8	64
110	Paper-based electroanalytical devices for in situ determination of salicylic acid in living tomato leaves. <i>Biosensors and Bioelectronics</i> , 2014, 60, 154-160.	10.1	62
111	A dual target-recycling amplification strategy for sensitive detection of microRNAs based on duplex-specific nuclease and catalytic hairpin assembly. <i>Chemical Communications</i> , 2015, 51, 13504-13507.	4.1	62
112	Organic Cyanide Decorated SERS Active Nanopipettes for Quantitative Detection of Hemeproteins and Fe ³⁺ in Single Cells. <i>Analytical Chemistry</i> , 2017, 89, 2522-2530.	6.5	62
113	Rational engineering of semiconductor QDs enabling remarkable 1 O ₂ production for tumor-targeted photodynamic therapy. <i>Biomaterials</i> , 2017, 148, 31-40.	11.4	62
114	Photoelectrochemical Bioanalysis Platform of Gold Nanoparticles Equipped Perovskite Bi ₄ NbO ₈ Cl. <i>Analytical Chemistry</i> , 2017, 89, 7869-7875.	6.5	62
115	A redox-activated theranostic nanoagent: toward multi-mode imaging guided chemo-photothermal therapy. <i>Chemical Science</i> , 2018, 9, 6749-6757.	7.4	62
116	Spatiotemporal imaging of electrocatalytic activity on single 2D gold nanoplates via electrogenerated chemiluminescence microscopy. <i>Chemical Science</i> , 2019, 10, 4141-4147.	7.4	62
117	Temporal Sensing Platform Based on Bipolar Electrode for the Ultrasensitive Detection of Cancer Cells. <i>Analytical Chemistry</i> , 2016, 88, 8795-8801.	6.5	60
118	Recent advances in the use of quantum dots for photoelectrochemical bioanalysis. <i>Nanoscale</i> , 2016, 8, 17407-17414.	5.6	60
119	A paper-based SERS test strip for quantitative detection of Mucin-1 in whole blood. <i>Talanta</i> , 2018, 179, 9-14.	5.5	60
120	Electrochemiluminescence aptasensor based on bipolar electrode for detection of adenosine in cancer cells. <i>Biosensors and Bioelectronics</i> , 2014, 55, 459-463.	10.1	58
121	DNA tetrahedral scaffolds-based platform for the construction of electrochemiluminescence biosensor. <i>Biosensors and Bioelectronics</i> , 2017, 90, 251-257.	10.1	58
122	Dual-Functional Carbon Dots Pattern on Paper Chips for Fe ³⁺ and Ferritin Analysis in Whole Blood. <i>Analytical Chemistry</i> , 2017, 89, 2131-2137.	6.5	58
123	Electrocatalytic Oxidation of Dopamine and Ascorbic Acid on Carbon Paste Electrode Modified with Nanosized Cobalt Phthalocyanine Particles: Simultaneous Determination in the Presence of CTAB. <i>Electroanalysis</i> , 2006, 18, 282-290.	2.9	57
124	Relationship between Nanostructure and Electrochemical/Biosensing Properties of MnO ₂ Nanomaterials for H ₂ O ₂ /Choline. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18984-18990.	3.1	56
125	Distance mediated electrochemiluminescence enhancement of CdS thin films induced by the plasmon coupling of gold nanoparticle dimers. <i>Chemical Communications</i> , 2016, 52, 14230-14233.	4.1	56
126	Ascorbate sensor based on π -self-doped polyaniline. <i>Electroanalysis</i> , 1997, 9, 1185-1188.	2.9	55

#	ARTICLE	IF	CITATIONS
127	Folding-based photoelectrochemical biosensor: binding-induced conformation change of a quantum dot-tagged DNA probe for mercury(Hg^{2+}) detection. Chemical Communications, 2014, 50, 12088-12090.	4.1	55
128	Spatial-resolved electrochemiluminescence ratiometry based on bipolar electrode for bioanalysis. Biosensors and Bioelectronics, 2016, 86, 683-689.	10.1	55
129	Enediol-Ligands-Encapsulated Liposomes Enables Sensitive Immunoassay: A Proof-of-Concept for General Liposomes-Based Photoelectrochemical Bioanalysis. Analytical Chemistry, 2017, 89, 6300-6304.	6.5	54
130	An exploration of nucleic acid liquid biopsy using a glucose meter. Chemical Science, 2018, 9, 3517-3522.	7.4	54
131	Semiconducting Organic-Inorganic Nanodots Heterojunctions: Platforms for General Photoelectrochemical Bioanalysis Application. Analytical Chemistry, 2018, 90, 3759-3765.	6.5	54
132	Organic Photoelectrochemical Transistor-Based Biosensor: A Proof-of-Concept Study toward Highly Sensitive DNA Detection. Advanced Healthcare Materials, 2018, 7, e1800536.	7.6	54
133	Ag nanoclusters could efficiently quench the photoresponse of CdS quantum dots for novel energy transfer-based photoelectrochemical bioanalysis. Biosensors and Bioelectronics, 2016, 85, 930-934.	10.1	53
134	An aptamer-binding DNA walking machine for sensitive electrochemiluminescence detection of tumor exosomes. Chemical Communications, 2020, 56, 269-272.	4.1	53
135	Plasmonic Enhanced Gold Nanoclusters-Based Photoelectrochemical Biosensor for Sensitive Alkaline Phosphatase Activity Analysis. Analytical Chemistry, 2020, 92, 6886-6892.	6.5	53
136	A Reagentless Hydrogen Peroxide Biosensor Based on the Coimmobilization of Thionine and Horseradish Peroxidase by Their Cross-Linking with Glutaraldehyde on Glassy Carbon Electrode. Electroanalysis, 1998, 10, 713-716.	2.9	52
137	A reusable potassium ion biosensor based on electrochemiluminescence resonance energy transfer. Chemical Communications, 2013, 49, 1539.	4.1	51
138	Polymer Dots for Photoelectrochemical Bioanalysis. Analytical Chemistry, 2017, 89, 4945-4950.	6.5	51
139	Semiconducting CuO Nanotubes: Synthesis, Characterization, and Bifunctional Photocathodic Enzymatic Bioanalysis. Analytical Chemistry, 2018, 90, 5439-5444.	6.5	50
140	Visual electrochemiluminescence ratiometry on bipolar electrode for bioanalysis. Biosensors and Bioelectronics, 2018, 102, 624-630.	10.1	50
141	Poly thymine stabilized copper nanoclusters as a fluorescence probe for melamine sensing. Talanta, 2015, 144, 642-647.	5.5	49
142	Energy Transfer between Semiconducting Polymer Dots and Gold Nanoparticles in a Photoelectrochemical System: A Case Application for Cathodic Bioanalysis. Analytical Chemistry, 2018, 90, 4277-4281.	6.5	49
143	Boosting the oxygen evolution reaction performance of CoS_2 microspheres by subtle ionic liquid modification. Chemical Communications, 2018, 54, 8765-8768.	4.1	49
144	Ultrasensitive Detection of Severe Fever with Thrombocytopenia Syndrome Virus Based on Immunofluorescent Carbon Dots/ SiO_2 Nanosphere-Based Lateral Flow Assay. ACS Omega, 2019, 4, 21431-21438.	3.5	49

#	ARTICLE	IF	CITATIONS
145	Fabrication of a Biomimetic Nanochannel Logic Platform and Its Applications in the Intelligent Detection of miRNA Related to Liver Cancer. <i>Analytical Chemistry</i> , 2020, 92, 5952-5959.	6.5	48
146	Bidirectional Electrochemiluminescent Sensing: An Application in Detecting miRNA-141. <i>Analytical Chemistry</i> , 2019, 91, 12000-12005.	6.5	46
147	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
148	Bismuthoxyiodide Nanoflakes/Titania Nanotubes Arrayed p-n Heterojunction and Its Application for Photoelectrochemical Bioanalysis. <i>Scientific Reports</i> , 2014, 4, 4426.	3.3	45
149	Oriented assembly of invisible probes: towards single mRNA imaging in living cells. <i>Chemical Science</i> , 2016, 7, 3256-3263.	7.4	45
150	An Efficient Electrochemiluminescence Enhancement Strategy on Bipolar Electrode for Bioanalysis. <i>Analytical Chemistry</i> , 2019, 91, 12553-12559.	6.5	45
151	Effect of Nanoemitters on Suppressing the Formation of Metal Adduct Ions in Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 1838-1845.	6.5	44
152	Electrogenerated Chemiluminescence Imaging of Electrocatalysis at a Single Au@Pt Janus Nanoparticle. <i>Angewandte Chemie</i> , 2018, 130, 4074-4078.	2.0	44
153	Coupling a Wireless Bipolar Ultramicroelectrode with Nano-electrospray Ionization Mass Spectrometry: Insights into the Ultrafast Initial Step of Electrochemical Reactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18244-18248.	13.8	44
154	Nucleolin-Targeted Ratiometric Fluorescent Carbon Dots with a Remarkably Large Emission Wavelength Shift for Precise Imaging of Cathepsin B in Living Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 4042-4050.	6.5	44
155	Three-Dimensional TiO ₂ @Cu ₂ O@Nickel Foam Electrodes: Design, Characterization, and Validation of O ₂ -Independent Photocathodic Enzymatic Bioanalysis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25702-25707.	8.0	43
156	Analytical aspects of fet-based biosensors. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 420.	3.0	42
157	Cell surface carbohydrates evaluation via a photoelectrochemical approach. <i>Chemical Communications</i> , 2012, 48, 9456.	4.1	41
158	Flexible Gold Electrode Array for Multiplexed Immunoelectrochemical Measurement of Three Protein Biomarkers for Prostate Cancer. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20137-20143.	8.0	41
159	An off-on-off electrochemiluminescence approach for ultrasensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2014, 59, 58-63.	10.1	41
160	Acid-Switchable DNAzyme Nanodevice for Imaging Multiple Metal Ions in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13005-13012.	8.0	41
161	Ultrasensitive Nucleic Acid Assay Based on Cyclometalated Iridium(III) Complex with High Electrochemiluminescence Efficiency. <i>Analytical Chemistry</i> , 2021, 93, 1686-1692.	6.5	41
162	A Polymer Dots-Based Photoelectrochemical pH Sensor: Simplicity, High Sensitivity, and Broad-Range pH Measurement. <i>Analytical Chemistry</i> , 2018, 90, 8300-8303.	6.5	40

#	ARTICLE	IF	CITATIONS
163	A plasmon-enhanced theranostic nanoplatform for synergistic chemo-phototherapy of hypoxic tumors in the NIR-II window. <i>Chemical Science</i> , 2021, 12, 10848-10854.	7.4	40
164	Simultaneous photoelectrochemical and visualized immunoassay of β -human chorionic gonadotrophin. <i>Biosensors and Bioelectronics</i> , 2016, 85, 294-299.	10.1	39
165	Hierarchical CuInS ₂ -based heterostructure: Application for photocathodic bioanalysis of sarcosine. <i>Biosensors and Bioelectronics</i> , 2018, 107, 230-236.	10.1	39
166	Electrochemical modulation of electrogenerated chemiluminescence of CdS nano-composite. <i>Electrochemistry Communications</i> , 2008, 10, 1530-1532.	4.7	38
167	Tumor-Marker-Mediated α -on-Demand β -Drug Release and Real-Time Monitoring System Based on Multifunctional Mesoporous Silica Nanoparticles. <i>Analytical Chemistry</i> , 2014, 86, 10239-10245.	6.5	38
168	Mesoporous silica film-assisted amplified electrochemiluminescence for cancer cell detection. <i>Chemical Communications</i> , 2015, 51, 14072-14075.	4.1	38
169	A colorimetric/fluorescent dual-mode sensor for ultra-sensitive detection of Hg ²⁺ . <i>Talanta</i> , 2017, 165, 570-576.	5.5	38
170	A self-powered 3D DNA walker with programmability and signal-amplification for illuminating microRNA in living cells. <i>Chemical Communications</i> , 2020, 56, 2135-2138.	4.1	38
171	Single Cell Imaging of Electrochemiluminescence β -Driven Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	38
172	Amperometric determination of ascorbic acid at a novel 'self-doped' polyaniline modified microelectrode. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 362, 234-238.	1.5	37
173	A novel DNA tetrahedron β -hairpin probe for in situ α -off β -on β -fluorescence imaging of intracellular telomerase activity. <i>Analyst</i> , The, 2016, 141, 2474-2480.	3.5	37
174	A fluorescent α -probe: quantitative imaging of ultra-trace endogenous hydrogen polysulfide in cells and α -in vivo β . <i>Chemical Science</i> , 2018, 9, 5556-5563.	7.4	37
175	An electrochemical impedimetric arrayed immunosensor based on indium tin oxide electrodes and silver-enhanced gold nanoparticles. <i>Mikrochimica Acta</i> , 2008, 163, 63-70.	5.0	36
176	A green approach to the synthesis of novel α -Desert rose stone β -like nanobiocatalytic system with excellent enzyme activity and stability. <i>Scientific Reports</i> , 2014, 4, 6606.	3.3	36
177	Three-level spaser for next-generation luminescent nanoprobe. <i>Science Advances</i> , 2018, 4, eaat0292.	10.3	36
178	Electrochemical synthesis of Au@semiconductor core β -shell nanocrystals guided by single particle plasmonic imaging. <i>Chemical Science</i> , 2019, 10, 9308-9314.	7.4	36
179	Versatile Microfluidic Droplets Array for Bioanalysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 935-940.	8.0	35
180	Paper Capillary Enables Effective Sampling for Microfluidic Paper Analytical Devices. <i>ACS Sensors</i> , 2018, 3, 1416-1423.	7.8	34

#	ARTICLE	IF	CITATIONS
181	Ultrasensitive Detection of MicroRNA via a Au@Ag Nanosnowman. <i>Analytical Chemistry</i> , 2019, 91, 15988-15992.	6.5	34
182	Trace Ir(III) complex enhanced electrochemiluminescence of AIE-active Pdots in aqueous media. <i>Science China Chemistry</i> , 2020, 63, 715-721.	8.2	34
183	Spaser Nanoparticles for Ultranarrow Bandwidth STED Super-Resolution Imaging. <i>Advanced Materials</i> , 2020, 32, 1907233.	21.0	34
184	An ultrasensitive energy-transfer based photoelectrochemical protein biosensor. <i>Chemical Communications</i> , 2016, 52, 3034-3037.	4.1	33
185	Aggregation-Induced Electrochemiluminescence of Conjugated Pdots Containing a Trace Ir(III) Complex: Insights into Structure-Property Relationships. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54012-54019.	8.0	33
186	Nanopore-Based Electrochemiluminescence for Detection of MicroRNAs via Duplex-Specific Nuclease-Assisted Target Recycling. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33360-33367.	8.0	32
187	Integration of DNA bio-gates and duplex-specific nuclease signal amplification: towards electrochemiluminescence detection of survivin mRNA. <i>Chemical Communications</i> , 2015, 51, 11673-11676.	4.1	31
188	Activatable QD-Based Near-Infrared Fluorescence Probe for Sensitive Detection and Imaging of DNA. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25107-25113.	8.0	31
189	Target-Triggered Assembly in a Nanopipette for Electrochemical Single-Cell Analysis. <i>Analytical Chemistry</i> , 2021, 93, 1200-1208.	6.5	31
190	Simple method for the separation and detection of native amino acids and the identification of electroactive and non-electroactive analytes. <i>Journal of Chromatography A</i> , 2005, 1095, 193-196.	3.7	30
191	Low-Potential Detection of Glucose with a Biosensor Based on the Immobilization of Glucose Oxidase on Polymer/Manganese Oxide Layered Nanocomposite. <i>Electroanalysis</i> , 2008, 20, 507-512.	2.9	30
192	Glass etching to bridge micro- and nanofluidics. <i>Lab on A Chip</i> , 2012, 12, 381-386.	6.0	30
193	Joint enhancement strategy applied in ECL biosensor based on closed bipolar electrodes for the detection of PSA. <i>Talanta</i> , 2016, 154, 169-174.	5.5	30
194	A surface-confined DNA assembly amplification strategy on DNA nanostructural scaffold for electrochemiluminescence biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 100, 571-576.	10.1	30
195	Highly Efficient Aggregation-Induced Electrochemiluminescence of Polyfluorene Derivative Nanoparticles Containing Tetraphenylethylene. <i>IScience</i> , 2020, 23, 100774.	4.1	30
196	Bipolar Electrode Array for Multiplexed Detection of Prostate Cancer Biomarkers. <i>Analytical Chemistry</i> , 2022, 94, 3005-3012.	6.5	30
197	Three-Dimensional CdS@Carbon Fiber Networks: Innovative Synthesis and Application as a General Platform for Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2019, 91, 6419-6423.	6.5	29
198	A nanochannel array based device for determination of the isoelectric point of confined proteins. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9460.	2.8	28

#	ARTICLE	IF	CITATIONS
199	Disposable paper-based bipolar electrode array for multiplexed electrochemiluminescence detection of pathogenic DNAs. <i>Science China Chemistry</i> , 2015, 58, 810-818.	8.2	28
200	Simultaneous quantification of multiple endogenous biothiols in single living cells by plasmonic Raman probes. <i>Chemical Science</i> , 2017, 8, 7582-7587.	7.4	28
201	Microfluidic PDMS on paper (POP) devices. <i>Lab on A Chip</i> , 2017, 17, 120-127.	6.0	27
202	Dynamic Single Molecular Rulers: Toward Quantitative Detection of MicroRNA-21 in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 14255-14259.	6.5	27
203	N-Carbamoylmaleimide-treated carbon dots: stabilizing the electrochemical intermediate and extending it for the ultrasensitive detection of organophosphate pesticides. <i>Nanoscale</i> , 2018, 10, 19390-19398.	5.6	27
204	3D Semiconducting Polymer/Graphene Networks: Toward Sensitive Photocathodic Enzymatic Bioanalysis. <i>Analytical Chemistry</i> , 2018, 90, 9687-9690.	6.5	27
205	Alkaline Phosphatase-Triggered Etching of Au@FeOOH Nanoparticles for Enzyme Level Assay under Dark-Field Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 10727-10734.	6.5	27
206	Selective Detection of p-Phenylenediamine in Hair Dyes Based on a Special CE Mechanism Using MnO ₂ Nanowires. <i>Electroanalysis</i> , 2010, 22, 1239-1247.	2.9	26
207	Insight into Ion Transfer through the Sub-Nanometer Channels in Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 4845-4849.	2.0	26
208	Engineering of ATP-Powered Photosensitizer for Targeted Recycling Activatable Imaging of MicroRNA and Controllable Cascade Amplification Photodynamic Therapy. <i>Analytical Chemistry</i> , 2019, 91, 7879-7886.	6.5	26
209	Real-Time Tracking the Electrochemical Synthesis of Au@Metal Core-Shell Nanoparticles toward Photo Enhanced Methanol Oxidation. <i>Analytical Chemistry</i> , 2020, 92, 14006-14011.	6.5	26
210	A Supersmall Single-Cell Nanosensor for Intracellular K ⁺ Detection. <i>CCS Chemistry</i> , 2021, 3, 2359-2367.	7.8	26
211	Subcellular-Scale Drug Transport via Ultrasound-Degradable Mesoporous Nanosilicon to Bypass Cancer Drug Resistance. <i>Small</i> , 2017, 13, 1604228.	10.0	25
212	A Practical Electrochemical Nanotool for Facile Quantification of Amino Acids in Single Cell. <i>Small</i> , 2021, 17, e2100503.	10.0	25
213	Reversible Ratiometric Electrochemiluminescence Biosensor Based on DNAzyme Regulated Resonance Energy Transfer for Myocardial miRNA Detection. <i>Analytical Chemistry</i> , 2022, 94, 7035-7040.	6.5	25
214	Electrochemical Characteristics of Nickel Hexacyanoferrate Monolayer Anchoring to Bi-(2-aminoethyl)-aminodithiocarboxyl Acid Self-assembled Film Modified Electrode. <i>Analytical Sciences</i> , 2000, 16, 231-234.	1.6	24
215	A sensitive and selective detection method for thiol compounds using novel fluorescence probe. <i>Analytica Chimica Acta</i> , 2014, 850, 71-77.	5.4	24
216	Synchronized Polarization Induced Electrospray: Comprehensively Profiling Biomolecules in Single Cells by Combining both Positive-Ion and Negative-Ion Mass Spectra. <i>Analytical Chemistry</i> , 2016, 88, 7245-7251.	6.5	24

#	ARTICLE	IF	CITATIONS
217	Metallic Inverse Opals: An Electrochemiluminescence enhanced Substrate for Sensitive Bioanalysis. <i>Analytical Chemistry</i> , 2019, 91, 14757-14764.	6.5	24
218	Observing the structure-dependent electrocatalytic activity of bimetallic Pd@Au nanorods at the single-particle level. <i>Chemical Communications</i> , 2020, 56, 3413-3416.	4.1	24
219	DNA sequence functionalized with heterogeneous core@satellite nanoassembly for novel energy-transfer-based photoelectrochemical bioanalysis. <i>Biosensors and Bioelectronics</i> , 2017, 91, 293-298.	10.1	23
220	Mass transport in nanofluidic devices. <i>Science China Chemistry</i> , 2012, 55, 453-468.	8.2	22
221	MicroRNA-mediated signal amplification coupled with GNP/dendrimers on a mass-sensitive biosensor and its applications in intracellular microRNA quantification. <i>Biosensors and Bioelectronics</i> , 2016, 85, 897-902.	10.1	22
222	Fabrication of High-Density and Superuniform Gold Nanoelectrode Arrays for Electrochemical Fluorescence Imaging. <i>Analytical Chemistry</i> , 2020, 92, 13493-13499.	6.5	22
223	Photocontrolled Nanopipette Biosensor for ATP Gradient Electroanalysis of Single Living Cells. <i>ACS Sensors</i> , 2021, 6, 1529-1535.	7.8	22
224	Dissecting the Flash Chemistry of Electrogenated Reactive Intermediates by Microdroplet Fusion Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18494-18498.	13.8	22
225	Studies on the interaction between rutin and DNA in the absence and presence of β -cyclodextrin by electrochemical and spectroscopic methods. <i>Chinese Journal of Chemistry</i> , 2004, 22, 1325-1329.	4.9	21
226	Single-molecule imaging of telomerase activity via linear plasmon rulers. <i>Chemical Communications</i> , 2017, 53, 4710-4713.	4.1	21
227	Plasmonic nanohalo optical probes for highly sensitive imaging of survivin mRNA in living cells. <i>Chemical Communications</i> , 2016, 52, 11052-11055.	4.1	20
228	Ultrasensitive detection of microRNA-21 based on plasmon-coupling-induced electrochemiluminescence enhancement. <i>Electrochemistry Communications</i> , 2018, 94, 36-40.	4.7	20
229	ZnAgInS Quantum Dot-Decorated BiOI Heterostructure for Cathodic Photoelectrochemical Bioanalysis of Glucose Oxidase. <i>ACS Applied Nano Materials</i> , 2020, 3, 11489-11496.	5.0	20
230	Bipolar Modulation of the Ionic Circuit for Generic Organic Photoelectrochemical Transistor Logic and Sensor. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	20
231	A stable glucose biosensor prepared by co-immobilizing glucose oxidase into poly(p-chlorophenol) at a platinum electrode. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 369, 486-490.	1.5	19
232	In-channel indirect amperometric detection of nonelectroactive anions for electrophoresis on a poly(dimethylsiloxane) microchip. <i>Electrophoresis</i> , 2005, 26, 3615-3621.	2.4	19
233	Colorimetric detection of quaternary ammonium surfactants using citrate-stabilized gold nanoparticles (Au NPs). <i>Analytical Methods</i> , 2014, 6, 2031-2033.	2.7	19
234	Endogenous MicroRNA-Triggered and Real-Time Monitored Drug Release via Cascaded Energy Transfer Payloads. <i>Analytical Chemistry</i> , 2017, 89, 10239-10247.	6.5	19

#	ARTICLE	IF	CITATIONS
235	In Situ Visualization of hERG Potassium Channel via Dual Signal Amplification. <i>Analytical Chemistry</i> , 2018, 90, 6199-6205.	6.5	19
236	Multi-segmented CdS@Au nanorods for electrochemiluminescence bioanalysis. <i>Nanoscale</i> , 2018, 10, 19224-19230.	5.6	19
237	Tip-Enhanced Infrared Imaging with Sub-10 nm Resolution and Hypersensitivity. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1697-1701.	4.6	19
238	Electrogenerated Chemiluminescence of Tris(2,2'-bipyridyl)ruthenium(II) Immobilized in Humic Acid-Silica-Poly(vinyl alcohol) Composite Films. <i>Electroanalysis</i> , 2005, 17, 1517-1522.	2.9	18
239	Regulation and imaging of gene expression via an RNA interference antagonistic biomimetic probe. <i>Chemical Science</i> , 2017, 8, 4973-4977.	7.4	18
240	Ultrasmall Nanopipette: Toward Continuous Monitoring of Redox Metabolism at Subcellular Level. <i>Angewandte Chemie</i> , 2018, 130, 13410-13414.	2.0	18
241	Dark-field microscopic real-time monitoring the growth of Au on Cu ₂ O nanocubes for ultra-sensitive glucose detection. <i>Analytica Chimica Acta</i> , 2021, 1162, 338503.	5.4	18
242	Construction of Nanocarriers Based on Endogenous Cell Membrane and Their Application in Nanomedicine. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1623-1640.	4.9	18
243	Photoelectrochemical bioanalysis of protein biomarkers. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 120-125.	4.8	17
244	Ultrasensitive electrochemiluminescence immunosensor with wide linear range based on a multiple amplification approach. <i>Electrochemistry Communications</i> , 2019, 98, 33-37.	4.7	17
245	Three-dimensional CdS nanosheet-enwrapped carbon fiber framework: Towards split-type CuO-mediated photoelectrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111836.	10.1	17
246	An ultra-highly sensitive and selective self-enhanced AIECL sensor for public security early warning in a nuclear emergency via a co-reactive group poisoning mechanism. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12584-12592.	10.3	17
247	An Integrated Electrochemical Nanodevice for Intracellular RNA Collection and Detection in Single Living Cell. <i>Angewandte Chemie</i> , 2021, 133, 13352-13358.	2.0	17
248	Ratiometric fluorescence detection of pathogenic bacteria based on dual-recognition nanoprobe with controllable G-quadruplex release. <i>Chemical Communications</i> , 2022, 58, 447-450.	4.1	17
249	Advances in DNA/RNA detection using nanotechnology. <i>Advances in Clinical Chemistry</i> , 2019, 91, 31-98.	3.7	16
250	Resettable and enzyme-free molecular logic devices for the intelligent amplification detection of multiple miRNAs catalyzed hairpin assembly. <i>Nanoscale</i> , 2019, 11, 5048-5057.	5.6	16
251	Coupling a Wireless Bipolar Ultramicroelectrode with Nano-electrospray Ionization Mass Spectrometry: Insights into the Ultrafast Initial Step of Electrochemical Reactions. <i>Angewandte Chemie</i> , 2020, 132, 18401-18405.	2.0	16
252	Organic photoelectrochemical transistor detection of tear lysozyme. <i>Sensors & Diagnostics</i> , 2022, 1, 294-300.	3.8	16

#	ARTICLE	IF	CITATIONS
253	Enhanced Anodic Electrochemiluminescence from Co ²⁺ -Doped CdSe Nanocrystals for Alkaline Phosphatase Assay. <i>Electroanalysis</i> , 2013, 25, 951-958.	2.9	15
254	Plasmon-enhanced Raman spectroscopic metrics for in situ quantitative and dynamic assays of cell apoptosis and necrosis. <i>Chemical Science</i> , 2017, 8, 1243-1250.	7.4	15
255	A PCR-free colorimetric strategy for visualized assay of telomerase activity. <i>Talanta</i> , 2018, 178, 594-599.	5.5	15
256	NIR-Activated Spatiotemporally Controllable Nanoagent for Achieving Synergistic Gene-Chemo-Photothermal Therapy in Tumor Ablation. <i>ACS Applied Bio Materials</i> , 2019, 2, 2994-3001.	4.6	15
257	Enzyme-Based Biosensors and Their Applications. , 2019, , 201-223.		15
258	Amperometric monitoring of vesicular dopamine release using a gold nanocone electrode. <i>Chemical Communications</i> , 2019, 55, 3461-3464.	4.1	15
259	NIR Remote-Controlled “Lock-Unlock” Nanosystem for Imaging Potassium Ions in Living Cells. <i>Analytical Chemistry</i> , 2020, 92, 4558-4565.	6.5	15
260	Gold nanorod-assisted near-infrared light-mediated regulation of membrane ion channels activates apoptotic pathways. <i>Chemical Communications</i> , 2020, 56, 6118-6121.	4.1	15
261	Living-Cell MicroRNA Imaging with Self-Assembling Fragments of Fluorescent Protein-Mimic RNA Aptamer. <i>ACS Sensors</i> , 2021, 6, 2339-2347.	7.8	15
262	Core-Shell Plasmonic Nanomaterials toward: Dual-Mode Imaging Analysis of Glutathione and Enhanced Chemodynamic Therapy. <i>Analytical Chemistry</i> , 2021, 93, 10317-10325.	6.5	15
263	Self-assembled DNA/RNA nanospheres with cascade signal amplification for intracellular MicroRNA imaging. <i>Sensors and Actuators B: Chemical</i> , 2022, 360, 131644.	7.8	15
264	Target-triggered, self-powered DNAzyme-MnO ₂ nanosystem: towards imaging microRNAs in living cells. <i>Chemical Communications</i> , 2019, 55, 13366-13369.	4.1	14
265	Molecular Engineering of Polymer Dots for Electrochemiluminescence Emission. <i>ACS Applied Nano Materials</i> , 2021, 4, 7244-7252.	5.0	14
266	CRISPR-Cas12a-based efficient electrochemiluminescence biosensor for ATP detection. <i>Analytica Chimica Acta</i> , 2021, 1188, 339180.	5.4	14
267	Label-Free Electrochemiluminescence Imaging of Single-Cell Adhesions by Using Bipolar Nanoelectrode Array. <i>Chemistry - A European Journal</i> , 2022, 28, e202103964.	3.3	14
268	Ultrasensitive and Label-Free Detection of Multiple DNA Methyltransferases by Asymmetric Nanopore Biosensor. <i>Analytical Chemistry</i> , 2022, 94, 4407-4416.	6.5	14
269	Enhanced Microchip Electrophoresis of Neurotransmitters on Glucose Oxidase Modified Poly(dimethylsiloxane) Microfluidic Devices. <i>Electroanalysis</i> , 2007, 19, 674-680.	2.9	13
270	Modulating the electronic structure of a semiconductor to optimize its electrochemiluminescence performance. <i>Nanoscale Advances</i> , 2019, 1, 1965-1969.	4.6	13

#	ARTICLE	IF	CITATIONS
271	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
272	Visualized uranium rapid monitoring system based on self-enhanced electrochemiluminescence-imaging of amidoxime functionalized polymer nanoparticles. <i>Chinese Chemical Letters</i> , 2022, 33, 3456-3460.	9.0	13
273	Noncovalent Assembly of Picket-Fence Porphyrin on Carbon Nanotubes as Effective Peroxidase-Like Catalysts for Detection of Hydrogen Peroxide in Beverages. <i>Electroanalysis</i> , 2011, 23, 2955-2963.	2.9	12
274	Revealing chemical processes and kinetics of drug action within single living cells via plasmonic Raman probes. <i>Scientific Reports</i> , 2017, 7, 2296.	3.3	12
275	Plasmon-Resonance-Energy-Transfer-Based Spectroscopy on Single Nanoparticles: Biomolecular Recognition and Enzyme Kinetics. <i>Analytical Chemistry</i> , 2018, 90, 3833-3841.	6.5	12
276	Multichannel electroanalytical devices for competitive ELISA of phenylethanolamine A. <i>Biosensors and Bioelectronics</i> , 2018, 99, 21-27.	10.1	12
277	Quantitative Imaging of pN Intercellular Force and Energetic Costs during Collective Cell Migration in Epithelial Wound Healing. <i>Analytical Chemistry</i> , 2020, 92, 16180-16187.	6.5	12
278	The video-rate imaging of sub-10 nm plasmonic nanoparticles in a cellular medium free of background scattering. <i>Chemical Science</i> , 2021, 12, 3017-3024.	7.4	12
279	An ultrasensitive electrochemiluminescence assay for nucleic acid detection based on carboxyl functionalized polymer dots. <i>Journal of Electroanalytical Chemistry</i> , 2021, 900, 115743.	3.8	12
280	Chemical Measurement and Analysis: from Phenomenon to Essence. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1975-1986.	4.9	12
281	Nanocrystal-based electrochemiluminescence sensor for cell detection with Au nanoparticles and isothermal circular double-assisted signal amplification. <i>Talanta</i> , 2015, 141, 97-102.	5.5	11
282	â€œLoading-typeâ€ Plasmonic Nanoparticles for Detection of Peroxynitrite in Living Cells. <i>Analytical Chemistry</i> , 2020, 92, 15647-15654.	6.5	11
283	Dual-Mode Scattering Nanoprobes for Imaging Hydrogen Sulfide in Living Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 7319-7329.	5.0	11
284	Efficient NIR electrochemiluminescent dyes based on ruthenium(II) complexes containing an N-heterocyclic carbene ligand. <i>Chemical Communications</i> , 2021, 57, 1254-1257.	4.1	11
285	Targeted Transmembrane Delivery of Ca^{2+} via FA-Nanogel for Synergistically Enhanced Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16412-16420.	8.0	10
286	Twin Nanopipettes for Real-Time Electrochemical Monitoring of Cytoplasmic Microviscosity at a Single-Cell Level. <i>Analytical Chemistry</i> , 2021, 93, 6831-6838.	6.5	10
287	Near-Infrared-Driven Plasmon-Enhanced Au@PtAg Cascade Nanozymes for Cancer Therapy. <i>ACS Applied Nano Materials</i> , 2022, 5, 7009-7018.	5.0	10
288	An Electrically Heated Au Electrode for Electrochemical Detection in Microchip System. <i>Electroanalysis</i> , 2010, 22, 1217-1222.	2.9	9

#	ARTICLE	IF	CITATIONS
289	Magnetic particles and cadmium sulfide nanoparticles tagging for signal-amplifying detection of nucleic acids. <i>Science China Chemistry</i> , 2011, 54, 1304-1310.	8.2	9
290	Photoelectrochemical Probing of Cellular Interfaces and Evaluation of Cellular H ₂ S Production Based on In Situ-Generated CdS-Enhanced TiO ₂ Nanotube Heterostructures. <i>ChemElectroChem</i> , 2017, 4, 1011-1015.	3.4	9
291	Microfluidic liquid-air dual-gradient chip for synergic effect bio-evaluation of air pollutant. <i>Talanta</i> , 2018, 182, 202-209.	5.5	9
292	How Gain Layer Design Determines Performance of Nanoparticle-Based Spaser. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16553-16560.	3.1	9
293	Water transport within carbon nanotubes on a wave. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33204-33210.	2.8	8
294	Water as a Universal Infrared Probe for Bioanalysis in Aqueous Solution by Attenuated Total Reflection-Surface Enhanced Infrared Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 12979-12985.	6.5	8
295	An Integrated Photoelectrochemical Nanotool for Intracellular Drug Delivery and Evaluation of Treatment Effect. <i>Angewandte Chemie</i> , 2021, 133, 25966-25969.	2.0	8
296	End Group Properties of Thiols Affecting the Self-Assembly Mechanism at Gold Nanoparticles Film As Evidenced by Water Infrared Probe. <i>Analytical Chemistry</i> , 2019, 91, 14508-14513.	6.5	7
297	Regioselective 5 ⁺ -position phosphorylation of ribose and ribonucleosides: phosphate transfer in the activated pyrophosphate complex in the gas phase. <i>Chemical Communications</i> , 2019, 55, 310-313.	4.1	7
298	Dark-Field Imaging of Cation Exchange Synthesis of Cu ₂ S@Au ₂ S@Au Nanoplates toward the Plasmonic Enhanced Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6515-6521.	8.0	7
299	Highly Efficient Near-Infrared II Electrochemiluminescence from NaYbF ₄ Core Mesoporous Silica Shell Nanoparticles. <i>CCS Chemistry</i> , 2022, 4, 3076-3083.	7.8	7
300	Transient Plasmonic Imaging of Ion Migration on Single Nanoparticles and Insight for Double Layer Dynamics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
301	Functional nucleic acid engineered double-barreled nanopores for measuring sodium to potassium ratio at single-cell level. <i>Exploration</i> , 2022, 2, .	11.0	7
302	A plasmonic Au-Ag janus nanoprobe for monitoring endogenous hydrogen sulfide generation in living cells. <i>Biosensors and Bioelectronics</i> , 2022, 213, 114422.	10.1	7
303	A High Spatiotemporal Iontronic Single-Cell Viscometer. <i>Research</i> , 2022, 2022, .	5.7	7
304	Liquid gradient in two-dimensional matrix for high throughput screening. <i>Biomicrofluidics</i> , 2013, 7, 064116.	2.4	6
305	A multifunctional silver nanocomposite for the apoptosis of cancer cells and intracellular imaging. <i>Chemical Communications</i> , 2017, 53, 5614-5617.	4.1	6
306	On-line Identification of chiral ofloxacin in milk with an extraction/ionization device coupled to Electrospray Mass Spectrometry. <i>Talanta</i> , 2017, 171, 190-196.	5.5	6

#	ARTICLE	IF	CITATIONS
307	Imaging Chladni Figure of Plasmonic Charge Density Wave in Real Space. ACS Photonics, 2019, 6, 2685-2693.	6.6	6
308	Dissecting the Flash Chemistry of Electrogenenerated Reactive Intermediates by Microdroplet Fusion Mass Spectrometry. Angewandte Chemie, 2021, 133, 18642-18646.	2.0	6
309	Light-Fueled Organic Photoelectrochemical Transistor for Probing Membrane Protein in an H-Cell. Advanced Materials Interfaces, 2022, 9, .	3.7	6
310	Determination of Trace Proteins by Rayleigh Light Scattering Technique with Indophenol Blue. Mikrochimica Acta, 2004, 148, 99.	5.0	5
311	In situ imaging and interfering Dicer-mediated cleavage process via a versatile molecular beacon probe. Analytica Chimica Acta, 2019, 1079, 146-152.	5.4	5
312	Photoelectrochemical Cytosensors. Electroanalysis, 2022, 34, 947-955.	2.9	5
313	Smart Engineering of a Self-Powered and Integrated Nanocomposite for Intracellular MicroRNA Imaging. CCS Chemistry, 2021, 3, 2063-2073.	7.8	5
314	Single Cell Imaging of Electrochemiluminescence-Driven Photodynamic Therapy. Angewandte Chemie, 2022, 134, .	2.0	5
315	A stochastic route to simulate the growth of porous anodic alumina. RSC Advances, 2014, 4, 45074-45081.	3.6	4
316	A microfluidic cigarette smoke collecting platform for simultaneous sample extraction and multiplex analysis. Talanta, 2016, 150, 455-462.	5.5	4
317	Abnormal Liquid Chasing Effect in Paper Capillary Enables Versatile Gradient Generation on Microfluidic Paper Analytical Devices. Analytical Chemistry, 2020, 92, 2722-2730.	6.5	4
318	Super-resolution plasmonic imaging <i>via</i> scattering saturation STED. Chemical Communications, 2021, 57, 3492-3495.	4.1	4
319	A reversible plasmonic nanoprobe for dynamic imaging of intracellular pH during endocytosis. Chemical Science, 2022, 13, 4893-4901.	7.4	4
320	Influence of Molar Ratio of Zn/Al/Tyr on the Formation of Tyr/Zn-Al-LDH Nanohybrids. Chinese Journal of Chemistry, 2005, 23, 1343-1347.	4.9	3
321	Direct electrochemistry of cytochrome c on EDTA-ZrO ₂ organic-inorganic hybrid film modified electrodes. Chinese Journal of Chemistry, 2004, 22, 1403-1406.	4.9	3
322	Imaging specific newly synthesized proteins within cells by fluorescence resonance energy transfer. Chemical Science, 2017, 8, 748-754.	7.4	3
323	Preservation of Protein Zwitterionic States in the Transition from Solution to Gas Phase Revealed by Sodium Adduction Mass Spectrometry. Analytical Chemistry, 2019, 91, 7858-7863.	6.5	3
324	Covalent biosensing enables a one-step, reagent-less, low-cost and highly robust assay of SARS-CoV-2. Chemical Communications, 2021, 57, 10771-10774.	4.1	3

#	ARTICLE	IF	CITATIONS
325	SPASER as Nanoprobe for Biological Applications: Current State and Opportunities. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	3
326	Identification of multiple single-nucleotide variants for clinical evaluation of <i>Helicobacter pylori</i> drug resistance. <i>Talanta</i> , 2022, 243, 123367.	5.5	3
327	Studies on the Development of Microelectrodes and Miniaturized Biosensors with A Novel Material: Petroleum Pitch-Based Carbon Fiber. <i>Electroanalysis</i> , 2001, 13, 1394-1398.	2.9	2
328	An improvement in scanning electrochemical microscopy based on a plasmon-accelerated electrochemical reaction. <i>Chemical Communications</i> , 2019, 55, 11275-11278.	4.1	2
329	Revealing transient events of molecular recognition via super-localization imaging of single-particle motion. <i>Scientific Reports</i> , 2019, 9, 4870.	3.3	2
330	Living-DNA Nanogel Appendant Enables <i>In Situ</i> Modulation and Quantification of Regulation Effects on Membrane Proteins. <i>ACS Applied Bio Materials</i> , 2021, 4, 4565-4574.	4.6	2
331	CdS Quantum Dots Modified Photoelectrochemical Biosensor for TATA-Binding Protein Probing. <i>Methods in Molecular Biology</i> , 2020, 2135, 237-247.	0.9	2
332	Single particle plasmonic and electrochemical dual mode detection of amantadine. <i>Analytica Chimica Acta</i> , 2022, 1209, 339838.	5.4	2
333	Near-infrared photothermally activated DNA nanotweezers for imaging ATP in living cells. <i>Chemical Communications</i> , 2022, 58, 8210-8213.	4.1	2
334	Combined strategies for suppressing nonspecific cationic adduction to G-quadruplexes in electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2022, 1220, 340146.	5.4	2
335	Frontispiece: An Integrated Electrochemical Nanodevice for Intracellular RNA Collection and Detection in Single Living Cell. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	13.8	1
336	A Reagentless Hydrogen Peroxide Biosensor Based on the Coimmobilization of Thionine and Horseradish Peroxidase by Their Cross-Linking with Glutaraldehyde on Glassy Carbon Electrode. <i>Electroanalysis</i> , 1998, 10, 713-716.	2.9	1
337	Photo-stability and photo-damage of SPASER nanoparticles under nanosecond pulsed-laser. <i>Chinese Journal of Chemistry</i> , 0, , .	4.9	1
338	Recent Advances in Electrochemical Sensor and Biosensors for Environmental Contaminants. <i>Nanotechnology in the Life Sciences</i> , 2020, , 1-31.	0.6	1
339	Transient Plasmonic Imaging of Ion Migration on Single Nanoparticles and Insight for Double Layer Dynamics. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
340	RNA chaperone assisted intramolecular annealing reaction towards oligouridylylated RNA detection in cancer cells. <i>Analyst</i> , The, 2019, 144, 186-190.	3.5	0
341	Frontispiz: An Integrated Electrochemical Nanodevice for Intracellular RNA Collection and Detection in Single Living Cell. <i>Angewandte Chemie</i> , 2021, 133, .	2.0	0