

Ying Zhuo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1128120/publications.pdf>

Version: 2024-02-01

160
papers

7,737
citations

34016

52
h-index

66788

78
g-index

160
all docs

160
docs citations

160
times ranked

5057
citing authors

#	ARTICLE	IF	CITATIONS
1	Bienzyme functionalized three-layer composite magnetic nanoparticles for electrochemical immunosensors. <i>Biomaterials</i> , 2009, 30, 2284-2290.	5.7	210
2	Highly Ordered and Field-Free 3D DNA Nanostructure: The Next Generation of DNA Nanomachine for Rapid Single-Step Sensing. <i>Journal of the American Chemical Society</i> , 2018, 140, 9361-9364.	6.6	192
3	<i>In Situ</i> Electrochemical Generation of Electrochemiluminescent Silver Nanoclusters on Target-Cycling Synchronized Rolling Circle Amplification Platform for MicroRNA Detection. <i>Analytical Chemistry</i> , 2016, 88, 3203-3210.	3.2	174
4	Cu-Based Metal-Organic Frameworks as a Catalyst To Construct a Ratiometric Electrochemical Aptasensor for Sensitive Lipopolysaccharide Detection. <i>Analytical Chemistry</i> , 2015, 87, 11345-11352.	3.2	163
5	Signal-off Electrochemiluminescence Biosensor Based on Phi29 DNA Polymerase Mediated Strand Displacement Amplification for MicroRNA Detection. <i>Analytical Chemistry</i> , 2015, 87, 6328-6334.	3.2	152
6	Strong Electrochemiluminescence from MOF Accelerator Enriched Quantum Dots for Enhanced Sensing of Trace cTnI. <i>Analytical Chemistry</i> , 2018, 90, 3995-4002.	3.2	150
7	Near-infrared aggregation-induced enhanced electrochemiluminescence from tetraphenylethylene nanocrystals: a new generation of ECL emitters. <i>Chemical Science</i> , 2019, 10, 4497-4501.	3.7	148
8	Electrochemiluminescence Resonance Energy Transfer System: Mechanism and Application in Ratiometric Aptasensor for Lead Ion. <i>Analytical Chemistry</i> , 2015, 87, 7787-7794.	3.2	147
9	Ceria Doped Zinc Oxide Nanoflowers Enhanced Luminol-Based Electrochemiluminescence Immunosensor for Amyloid- β^2 Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12968-12975.	4.0	143
10	New Signal Amplification Strategy Using Semicarbazide as Co-reaction Accelerator for Highly Sensitive Electrochemiluminescent Aptasensor Construction. <i>Analytical Chemistry</i> , 2015, 87, 11389-11397.	3.2	135
11	Ultrasensitive Apurinic/Apyrimidinic Endonuclease 1 Immunosensing Based on Self-Enhanced Electrochemiluminescence of a Ru(II) Complex. <i>Analytical Chemistry</i> , 2014, 86, 1053-1060.	3.2	121
12	Electrochemiluminescent Graphene Quantum Dots as a Sensing Platform: A Dual Amplification for MicroRNA Assay. <i>Analytical Chemistry</i> , 2015, 87, 10385-10391.	3.2	121
13	Ultrasensitive simultaneous detection of four biomarkers based on hybridization chain reaction and biotin-streptavidin signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015, 68, 42-48.	5.3	119
14	Electrochemiluminescence Biosensor Based on 3-D DNA Nanomachine Signal Probe Powered by Protein-Aptamer Binding Complex for Ultrasensitive Mucin 1 Detection. <i>Analytical Chemistry</i> , 2017, 89, 4280-4286.	3.2	110
15	Morphology-Controlled 9,10-Diphenylanthracene Nanoblocks as Electrochemiluminescence Emitters for MicroRNA Detection with One-Step DNA Walker Amplification. <i>Analytical Chemistry</i> , 2018, 90, 5298-5305.	3.2	98
16	Highly sensitive impedimetric immunosensor based on single-walled carbon nanohorns as labels and bienzyme biocatalyzed precipitation as enhancer for cancer biomarker detection. <i>Biosensors and Bioelectronics</i> , 2014, 55, 360-365.	5.3	97
17	Highly Efficient Electrochemiluminescent Silver Nanoclusters/Titanium Oxide Nanomaterials as a Signal Probe for Ferrocene-Driven Light Switch Bioanalysis. <i>Analytical Chemistry</i> , 2017, 89, 3732-3738.	3.2	97
18	Self-Enhanced Electrochemiluminescence Nanorods of Tris(bipyridine) Ruthenium(II) Derivative and Its Sensing Application for Detection of N-Acetyl- β -D-glucosaminidase. <i>Analytical Chemistry</i> , 2016, 88, 2258-2265.	3.2	95

#	ARTICLE	IF	CITATIONS
19	Ultrasensitive Assay for Telomerase Activity via Self-Enhanced Electrochemiluminescent Ruthenium Complex Doped Metal-Organic Frameworks with High Emission Efficiency. <i>Analytical Chemistry</i> , 2017, 89, 3222-3227.	3.2	95
20	Cu Nanoclusters: Novel Electrochemiluminescence Emitters for Bioanalysis. <i>Analytical Chemistry</i> , 2016, 88, 11527-11532.	3.2	94
21	MoS ₂ Quantum Dots as New Electrochemiluminescence Emitters for Ultrasensitive Bioanalysis of Lipopolysaccharide. <i>Analytical Chemistry</i> , 2017, 89, 8335-8342.	3.2	94
22	SnS ₂ Quantum Dots as New Emitters with Strong Electrochemiluminescence for Ultrasensitive Antibody Detection. <i>Analytical Chemistry</i> , 2018, 90, 12270-12277.	3.2	93
23	Silver Ions as Novel Coreaction Accelerator for Remarkably Enhanced Electrochemiluminescence in a PTCA-S ₂ O ₈ ²⁻ System and Its Application in an Ultrasensitive Assay for Mercury Ions. <i>Analytical Chemistry</i> , 2018, 90, 6851-6858.	3.2	91
24	Ultrasensitive electrochemical immunosensor for carbohydrate antigen 19-9 using Au/porous graphene nanocomposites as platform and Au@Pd core/shell bimetallic functionalized graphene nanocomposites as signal enhancers. <i>Biosensors and Bioelectronics</i> , 2015, 66, 356-362.	5.3	90
25	Ternary Electrochemiluminescence System Based on Rubrene Microrods as Luminophore and Pt Nanomaterials as Coreaction Accelerator for Ultrasensitive Detection of MicroRNA from Cancer Cells. <i>Analytical Chemistry</i> , 2017, 89, 9108-9115.	3.2	90
26	Anodic Electrochemiluminescence of Carbon Dots Promoted by Nitrogen Doping and Application to Rapid Cancer Cell Detection. <i>Analytical Chemistry</i> , 2020, 92, 1379-1385.	3.2	88
27	New Type of Redox Nanoprobe: C ₆₀ -Based Nanomaterial and Its Application in Electrochemical Immunoassay for Doping Detection. <i>Analytical Chemistry</i> , 2015, 87, 1669-1675.	3.2	85
28	Cu/Mn Double-Doped CeO ₂ Nanocomposites as Signal Tags and Signal Amplifiers for Sensitive Electrochemical Detection of Procalcitonin. <i>Analytical Chemistry</i> , 2017, 89, 13349-13356.	3.2	81
29	A novel metal-organic framework loaded with abundant N-(aminobutyl)-N-(ethylisoluminol) as a high-efficiency electrochemiluminescence indicator for sensitive detection of mucin1 on cancer cells. <i>Chemical Communications</i> , 2017, 53, 9705-9708.	2.2	80
30	Glucose oxidase and ferrocene labels immobilized at Au/TiO ₂ nanocomposites with high load amount and activity for sensitive immunoelectrochemical measurement of ProGRP biomarker. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3838-3844.	5.3	79
31	Universal Ratiometric Photoelectrochemical Bioassay with Target-Nucleotide Transduction-Amplification and Electron-Transfer Tunneling Distance Regulation Strategies for Ultrasensitive Determination of microRNA in Cells. <i>Analytical Chemistry</i> , 2017, 89, 9445-9451.	3.2	79
32	An amplified electrochemical immunosensor based on in situ-produced 1-naphthol as electroactive substance and graphene oxide and Pt nanoparticles functionalized CeO ₂ nanocomposites as signal enhancer. <i>Biosensors and Bioelectronics</i> , 2015, 69, 321-327.	5.3	78
33	DNA nanomachine-based regenerated sensing platform: a novel electrochemiluminescence resonance energy transfer strategy for ultra-high sensitive detection of microRNA from cancer cells. <i>Nanoscale</i> , 2017, 9, 2310-2316.	2.8	77
34	In situ electro-polymerization of nitrogen doped carbon dots and their application in an electrochemiluminescence biosensor for the detection of intracellular lead ions. <i>Chemical Communications</i> , 2016, 52, 5589-5592.	2.2	76
35	Electrochemiluminescence Enhanced by Restriction of Intramolecular Motions (RIM): Tetraphenylethylene Microcrystals as a Novel Emitter for Mucin 1 Detection. <i>Analytical Chemistry</i> , 2019, 91, 3710-3716.	3.2	75
36	In Situ Electrodeposited Synthesis of Electrochemiluminescent Ag Nanoclusters as Signal Probe for Ultrasensitive Detection of Cyclin-D1 from Cancer Cells. <i>Analytical Chemistry</i> , 2017, 89, 6787-6793.	3.2	74

#	ARTICLE	IF	CITATIONS
37	Dual microRNAs-Fueled DNA Nanogears: A Case of Regenerated Strategy for Multiple Electrochemiluminescence Detection of microRNAs with Single Luminophore. <i>Analytical Chemistry</i> , 2017, 89, 1338-1345.	3.2	70
38	Ferrocene covalently confined in porous MOF as signal tag for highly sensitive electrochemical immunoassay of amyloid- β . <i>Journal of Materials Chemistry B</i> , 2017, 5, 8330-8336.	2.9	69
39	Hollow Porous Polymeric Nanospheres of a Self-Enhanced Ruthenium Complex with Improved Electrochemiluminescent Efficiency for Ultrasensitive Aptasensor Construction. <i>Analytical Chemistry</i> , 2017, 89, 9232-9238.	3.2	69
40	Novel Ru(bpy) ₂ (cpaphen) ²⁺ /TPPrA/TiO ₂ Ternary ECL System: An Efficient Platform for the Detection of Glutathione with Mn ²⁺ as Substitute Target. <i>Analytical Chemistry</i> , 2019, 91, 3681-3686.	3.2	69
41	A Janus 3D DNA nanomachine for simultaneous and sensitive fluorescence detection and imaging of dual microRNAs in cancer cells. <i>Chemical Science</i> , 2020, 11, 8482-8488.	3.7	68
42	Ultrasensitive electrochemical strategy for NT-proBNP detection with gold nanochains and horseradish peroxidase complex amplification. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2188-2193.	5.3	67
43	Ce-based metal-organic frameworks and DNAzyme-assisted recycling as dual signal amplifiers for sensitive electrochemical detection of lipopolysaccharide. <i>Biosensors and Bioelectronics</i> , 2016, 83, 287-292.	5.3	67
44	Nanostructured conductive material containing ferrocenyl for reagentless amperometric immunosensors. <i>Biomaterials</i> , 2008, 29, 1501-1508.	5.7	66
45	In Situ Controllable Generation of Copper Nanoclusters Confined in a Poly-L-Cysteine Porous Film with Enhanced Electrochemiluminescence for Alkaline Phosphatase Detection. <i>Analytical Chemistry</i> , 2020, 92, 13581-13587.	3.2	66
46	Au nanoparticles decorated C60 nanoparticle-based label-free electrochemiluminescence aptasensor via a novel "on-off-on" switch system. <i>Biomaterials</i> , 2015, 52, 476-483.	5.7	65
47	Perylene Derivative/Luminol Nanocomposite as a Strong Electrochemiluminescence Emitter for Construction of an Ultrasensitive MicroRNA Biosensor. <i>Analytical Chemistry</i> , 2019, 91, 1516-1523.	3.2	63
48	Ultrasensitive Cytosensor Based on Self-Enhanced Electrochemiluminescent Ruthenium-Silica Composite Nanoparticles for Efficient Drug Screening with Cell Apoptosis Monitoring. <i>Analytical Chemistry</i> , 2015, 87, 12363-12371.	3.2	62
49	Enzyme-free Target Recycling and Double-Output Amplification System for Electrochemiluminescent Assay of Mucin 1 with MoS ₂ Nanoflowers as Co-reaction Accelerator. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14483-14490.	4.0	61
50	Hemin as electrochemically regenerable co-reaction accelerator for construction of an ultrasensitive PTCA-based electrochemiluminescent aptasensor. <i>Biosensors and Bioelectronics</i> , 2018, 100, 490-496.	5.3	60
51	Ultrasensitive Electrochemiluminescence Biosensing Platform for Detection of Multiple Types of Biomarkers toward Identical Cancer on a Single Interface. <i>Analytical Chemistry</i> , 2017, 89, 12821-12827.	3.2	56
52	Simply Constructed and Highly Efficient Classified Cargo-Discharge DNA Robot: A DNA Walking Nanomachine Platform for Ultrasensitive Multiplexed Sensing. <i>Analytical Chemistry</i> , 2019, 91, 8123-8128.	3.2	55
53	Covalent organic frameworks as micro-reactors: confinement-enhanced electrochemiluminescence. <i>Chemical Science</i> , 2020, 11, 5410-5414.	3.7	55
54	Target-catalyzed hairpin assembly and intramolecular/intermolecular co-reaction for signal amplified electrochemiluminescent detection of microRNA. <i>Biosensors and Bioelectronics</i> , 2016, 77, 442-450.	5.3	54

#	ARTICLE	IF	CITATIONS
55	Swing Arm Location-Controllable DNA Walker for Electrochemiluminescence Biosensing. <i>Analytical Chemistry</i> , 2021, 93, 4051-4058.	3.2	53
56	Sensitive Electrochemiluminescence Immunosensor for Detection of N-Acetyl- β -D-glucosaminidase Based on a Light-Switchable Molecule Combined with DNA Dendrimer. <i>Analytical Chemistry</i> , 2016, 88, 5797-5803.	3.2	52
57	A sensitive electrochemiluminescent aptasensor based on perylene derivatives as a novel co-reaction accelerator for signal amplification. <i>Biosensors and Bioelectronics</i> , 2016, 85, 8-15.	5.3	52
58	An Affinity-Enhanced DNA Intercalator with Intense ECL Embedded in DNA Hydrogel for Biosensing Applications. <i>Analytical Chemistry</i> , 2020, 92, 11044-11052.	3.2	51
59	Sandwich-format electrochemiluminescence assays for tumor marker based on PAMAM dendrimer-L-cysteine-hollow gold nanosphere nanocomposites. <i>Biosensors and Bioelectronics</i> , 2014, 53, 459-464.	5.3	49
60	Electrochemiluminescence of Supramolecular Nanorods and Their Application in the On-Off-On Detection of Copper Ions. <i>Chemistry - A European Journal</i> , 2016, 22, 8207-8214.	1.7	49
61	Highly Effective Protein Converting Strategy for Ultrasensitive Electrochemical Assay of Cystatin C. <i>Analytical Chemistry</i> , 2016, 88, 5189-5196.	3.2	48
62	Electrochemiluminescence biosensing based on different modes of switching signals. <i>Analyst</i> , The, 2018, 143, 3230-3248.	1.7	48
63	Novel electrochemiluminescence of perylene derivative and its application to mercury ion detection based on a dual amplification strategy. <i>Biosensors and Bioelectronics</i> , 2016, 86, 720-727.	5.3	45
64	A tris(2,2'-bipyridyl)cobalt(III)-bovine serum albumin composite membrane for biosensors. <i>Biomaterials</i> , 2006, 27, 5420-5429.	5.7	43
65	Electrochemiluminescence immunosensor based on multifunctional luminol-capped AuNPs@Fe ₃ O ₄ nanocomposite for the detection of mucin-1. <i>Biosensors and Bioelectronics</i> , 2015, 71, 407-413.	5.3	43
66	Highly Efficient Intramolecular Electrochemiluminescence Energy Transfer for Ultrasensitive Bioanalysis of Aflatoxin M1. <i>Chemistry - A European Journal</i> , 2017, 23, 1853-1859.	1.7	43
67	An ultrasensitive aptasensor based on self-enhanced Au nanoclusters as highly efficient electrochemiluminescence indicator and multi-site landing DNA walker as signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 130, 262-268.	5.3	43
68	Functionalized SiO ₂ labeled CA19-9 antibodies: A new strategy for signal amplification of antigen-antibody sensing processes. <i>Analyst</i> , The, 2010, 135, 2036.	1.7	41
69	Amplified Thrombin Aptasensor Based on Alkaline Phosphatase and Hemin/G-Quadruplex-Catalyzed Oxidation of 1-Naphthol. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10308-10315.	4.0	41
70	A robust, magnetic, and self-accelerated electrochemiluminescent nanosensor for ultrasensitive detection of copper ion. <i>Biosensors and Bioelectronics</i> , 2018, 109, 109-115.	5.3	40
71	Electrochemiluminescence covalent organic framework coupling with CRISPR/Cas12a-mediated biosensor for pesticide residue detection. <i>Food Chemistry</i> , 2022, 389, 133049.	4.2	40
72	An efficient target-intermediate recycling amplification strategy for ultrasensitive fluorescence assay of intracellular lead ions. <i>Chemical Communications</i> , 2017, 53, 7525-7528.	2.2	39

#	ARTICLE	IF	CITATIONS
73	Homogeneous Entropy Catalytic-Driven DNA Hydrogel as Strong Signal Blocker for Highly Sensitive Electrochemical Detection of Platelet-Derived Growth Factor. <i>Analytical Chemistry</i> , 2018, 90, 8241-8247.	3.2	39
74	Multiparameter Analysis-Based Electrochemiluminescent Assay for Simultaneous Detection of Multiple Biomarker Proteins on a Single Interface. <i>Analytical Chemistry</i> , 2016, 88, 4940-4948.	3.2	38
75	A synergistic promotion strategy remarkably accelerated electrochemiluminescence of SnO ₂ QDs for MicroRNA detection using 3D DNA walker amplification. <i>Biosensors and Bioelectronics</i> , 2021, 173, 112820.	5.3	38
76	A Reagentless Amperometric Immunosensor for Alpha-Fetoprotein Based on Gold Nanoparticles/TiO ₂ Colloids/Prussian Blue Modified Platinum Electrode. <i>Electroanalysis</i> , 2007, 19, 1402-1410.	1.5	37
77	Dendritic Silver/Silicon Dioxide Nanocomposite Modified Electrodes for Electrochemical Sensing of Hydrogen Peroxide. <i>Electroanalysis</i> , 2008, 20, 1839-1844.	1.5	37
78	Self-enhanced N-(aminobutyl)-N-(ethylisoluminol) derivative-based electrochemiluminescence immunosensor for sensitive laminin detection using PdI _r cubes as a mimic peroxidase. <i>Nanoscale</i> , 2016, 8, 8017-8023.	2.8	37
79	Construction of Fast-Walking Tetrahedral DNA Walker with Four Arms for Sensitive Detection and Intracellular Imaging of Apurinic/Apyrimidinic Endonuclease 1. <i>Analytical Chemistry</i> , 2022, 94, 8732-8739.	3.2	37
80	A Novel Ratiometric Electrochemical Biosensor Using Only One Signal Tag for Highly Reliable and Ultrasensitive Detection of miRNA-21. <i>Analytical Chemistry</i> , 2022, 94, 5167-5172.	3.2	36
81	Highly efficient electrogenerated chemiluminescence quenching of PEI enhanced Ru(bpy) ₃ ²⁺ nanocomposite by hemin and Au@CeO ₂ nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 63, 392-398.	5.3	35
82	Host-Guest Recognition-Assisted Electrochemical Release: Its Reusable Sensing Application Based on DNA Cross Configuration-Fueled Target Cycling and Strand Displacement Reaction Amplification. <i>Analytical Chemistry</i> , 2017, 89, 8266-8272.	3.2	34
83	Self-accelerated electrochemiluminescence emitters of Ag@SnO ₂ nanoflowers for sensitive detection of cardiac troponin T. <i>Electrochimica Acta</i> , 2018, 271, 464-471.	2.6	34
84	A Dynamic DNA Machine via Free Walker Movement on Lipid Bilayer for Ultrasensitive Electrochemiluminescent Bioassay. <i>Analytical Chemistry</i> , 2019, 91, 14125-14132.	3.2	34
85	Ultrasensitive electrochemiluminescent detection of cardiac troponin I based on a self-enhanced Ru(II) complex. <i>Talanta</i> , 2014, 129, 219-226.	2.9	33
86	Triple Quenching of a Novel Self-Enhanced Ru(II) Complex by Hemin/G-Quadruplex DNAzymes and Its Potential Application to Quantitative Protein Detection. <i>Analytical Chemistry</i> , 2015, 87, 7602-7609.	3.2	33
87	A sensitive immunosensor via in situ enzymatically generating efficient quencher for electrochemiluminescence of iridium complexes doped SiO ₂ nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 94, 568-574.	5.3	33
88	Pore Confinement-Enhanced Electrochemiluminescence on SnO ₂ Nanocrystal Xerogel with NO ₃ ⁻ As Co-Reactant and Its Application in Facile and Sensitive Bioanalysis. <i>Analytical Chemistry</i> , 2020, 92, 2839-2846.	3.2	33
89	A core-brush 3D DNA nanostructure: the next generation of DNA nanomachine for ultrasensitive sensing and imaging of intracellular microRNA with rapid kinetics. <i>Chemical Science</i> , 2021, 12, 15953-15959.	3.7	33
90	A nanohybrid of platinum nanoparticles-porous ZnO-hemin with electrocatalytic activity to construct an amplified immunosensor for detection of influenza. <i>Biosensors and Bioelectronics</i> , 2016, 78, 321-327.	5.3	32

#	ARTICLE	IF	CITATIONS
91	In situ generation of electrochemiluminescent DNA nanoflowers as a signal tag for mucin 1 detection based on a strategy of target and mimic target synchronous cycling amplification. <i>Chemical Communications</i> , 2017, 53, 9624-9627.	2.2	32
92	Amplified impedimetric aptasensor combining target-induced DNA hydrogel formation with pH-stimulated signal amplification for the heparanase assay. <i>Nanoscale</i> , 2017, 9, 2556-2562.	2.8	31
93	Application of Antibody-Powered Triplex-DNA Nanomachine to Electrochemiluminescence Biosensor for the Detection of Anti-Digoxigenin with Improved Sensitivity Versus Cycling Strand Displacement Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38648-38655.	4.0	31
94	Kill Three Birds with One Stone: Poly(3,4-ethylenedioxythiophene)-Hosted Ag Nanoclusters with Boosted Cathodic Electrochemiluminescence for Biosensing Application. <i>Analytical Chemistry</i> , 2021, 93, 1120-1125.	3.2	30
95	CDs assembled metal-organic framework: Exogenous coreactant-free biosensing platform with pore confinement-enhanced electrochemiluminescence. <i>Chinese Chemical Letters</i> , 2022, 33, 4803-4807.	4.8	30
96	Charge Transfer Cocrystal via a Persistent Radical Cation Acceptor for Efficient Solar Thermal Conversion. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
97	Amplified electrochemiluminescent aptasensor using mimicking bi-enzyme nanocomplexes as signal enhancement. <i>Analytica Chimica Acta</i> , 2014, 809, 47-53.	2.6	28
98	Organic Dots Embedded in Mesostructured Silica Xerogel as High-Performance ECL Emitters: Preparation and Application for MicroRNA-126 Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3945-3952.	4.0	28
99	Competitive method-based electrochemiluminescent assay with protein nucleotide conversion for ratio detection to efficiently monitor the drug resistance of cancer cells. <i>Chemical Science</i> , 2016, 7, 7094-7100.	3.7	27
100	Efficient Electrochemical Self-Catalytic Platform Based on Cys-hemin/G-quadruplex and Its Application for Bioassay. <i>Analytical Chemistry</i> , 2018, 90, 9109-9116.	3.2	27
101	3D Matrix-Arranged AuAg Nanoclusters As Electrochemiluminescence Emitters for Click Chemistry-Driven Signal Switch Bioanalysis. <i>Analytical Chemistry</i> , 2020, 92, 2566-2572.	3.2	27
102	Programmable mismatch-fueled high-efficiency DNA signal converter. <i>Chemical Science</i> , 2020, 11, 148-153.	3.7	27
103	High throughput immunosensor based on multi-label strategy and a novel array electrode. <i>Scientific Reports</i> , 2014, 4, 4747.	1.6	26
104	Bipedal DNA walker mediated enzyme-free exponential isothermal signal amplification for rapid detection of microRNA. <i>Chemical Communications</i> , 2019, 55, 13932-13935.	2.2	26
105	BSA stabilized tetraphenylethylene nanocrystals as aggregation-induced enhanced electrochemiluminescence emitters for ultrasensitive microRNA assay. <i>Chemical Communications</i> , 2019, 55, 9959-9962.	2.2	24
106	3,4,9,10-Perylenetetracarboxylic Acid/Hemin Nanocomposites Act as Redox Probes and Electrocatalysts for Constructing a Pseudobioenzyme Channeling Amplified Electrochemical Aptasensor. <i>Chemistry - A European Journal</i> , 2012, 18, 14186-14191.	1.7	23
107	Crystallization-Induced Enhanced Electrochemiluminescence from Tetraphenyl Alkene Nanocrystals for Ultrasensitive Sensing. <i>Analytical Chemistry</i> , 2021, 93, 10890-10897.	3.2	23
108	Electrochemiluminescence Aptasensor Based on Cascading Amplification of Nicking Endonuclease-Assisted Target Recycling and Rolling Circle Amplifications for Mucin 1 Detection. <i>Electrochimica Acta</i> , 2016, 212, 767-774.	2.6	22

#	ARTICLE	IF	CITATIONS
109	Electrochemiluminescent Pb ²⁺ -Driven Circular Etching Sensor Coupled to a DNA Micronet-Carrier. ACS Applied Materials & Interfaces, 2017, 9, 39812-39820.	4.0	22
110	Graphene encapsulated Ru nanocrystal with highly-efficient peroxidase-like activity for glutathione detection at near-physiological pH. Chemical Communications, 2021, 57, 7669-7672.	2.2	22
111	Amperometric Immunosensor for the Determination of α -Fetoprotein Based on Core-Shell Prussian Blue-BSA-Nanogold Functionalized Interface. Electroanalysis, 2008, 20, 2185-2191.	1.5	21
112	The Ru complex and hollow gold nanoparticles branched-hydrogel as signal probe for construction of electrochemiluminescent aptasensor. Biosensors and Bioelectronics, 2016, 77, 7-12.	5.3	21
113	CuS porous nanospheres as a novel noble metal-free co-reaction accelerator for enhancing electrochemiluminescence and sensitive immunoassay of mucin 1. Sensors and Actuators B: Chemical, 2018, 274, 110-115.	4.0	21
114	Determination of carcinoembryonic antigen using a novel amperometric enzyme-electrode based on layer-by-layer assembly of gold nanoparticles and thionine. Science in China Series B: Chemistry, 2007, 50, 97-104.	0.8	20
115	Horseradish peroxidase-loaded nanospheres attached to hollow gold nanoparticles as signal enhancers in an ultrasensitive immunoassay for alpha-fetoprotein. Mikrochimica Acta, 2014, 181, 679-685.	2.5	20
116	A novel ECL biosensor for β -lactamase detection: Using RU(II) linked-ampicillin complex as the recognition element. Biosensors and Bioelectronics, 2015, 70, 221-225.	5.3	20
117	Intense electrochemiluminescence from an organic microcrystal accelerated H ₂ O ₂ -free luminol system for microRNA detection. Chemical Communications, 2020, 56, 9000-9003.	2.2	20
118	Versatile metal graphitic nanocapsules for SERS bioanalysis. Chinese Chemical Letters, 2019, 30, 1581-1592.	4.8	19
119	Programming a Crab Claw-like DNA Nanomachine as a Super Signal Amplifier for Ultrasensitive Electrochemical Assay of Hg ²⁺ . Analytical Chemistry, 2021, 93, 12075-12080.	3.2	19
120	An efficient electrochemiluminescence amplification strategy via bis-co-reaction accelerator for sensitive detection of laminin to monitor overnutrition associated liver damage. Biosensors and Bioelectronics, 2017, 98, 317-324.	5.3	18
121	DNA Structure Transition-Induced Affinity Switch for Biosensing Based on the Strong Electrochemiluminescence Platform from Organic Microcrystals. Analytical Chemistry, 2020, 92, 3940-3948.	3.2	18
122	Development of Hollow Electrochemiluminescent Nanocubes Combined with a Multisite-Anchored DNA Nanomachine for Mycotoxin Detection. Analytical Chemistry, 2021, 93, 5301-5308.	3.2	18
123	MicroRNA-Triggered Deconstruction of Field-Free Spherical Nucleic Acid as an Electrochemiluminescence Biosensing Switch. Analytical Chemistry, 2021, 93, 13928-13934.	3.2	18
124	Electrochemiluminescent carbon dot-based determination of microRNA-21 by using a hemin/G-wire supramolecular nanostructure as co-reaction accelerator. Mikrochimica Acta, 2018, 185, 432.	2.5	17
125	A dynamic 3D DNA nanostructure based on silicon-supported lipid bilayers: a highly efficient DNA nanomachine for rapid and sensitive sensing. Chemical Communications, 2019, 55, 13414-13417.	2.2	17
126	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria. Advanced Science, 2022, 9, e2104576.	5.6	17

#	ARTICLE	IF	CITATIONS
127	A Magnetocatalytic Propelled Cobalt@Platinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. <i>CCS Chemistry</i> , 2022, 4, 2382-2395.	4.6	16
128	Advances in metal graphitic nanocapsules for biomedicine. <i>Exploration</i> , 2022, 2, .	5.4	16
129	A reagentless electrochemiluminescent immunosensor for apurinic/aprimidinic endonuclease 1 detection based on the new Ru(bpy) ₃ ²⁺ /bi-arginine system. <i>Analytica Chimica Acta</i> , 2014, 846, 36-43.	2.6	15
130	Engineering a high-efficient DNA amplifier for biosensing application based on perylene decorated Ag microflowers as novel electrochemiluminescence indicators. <i>Biosensors and Bioelectronics</i> , 2021, 182, 113178.	5.3	15
131	Discrimination between Cancer Cells and DNA-Damaged Cells: Pre-miRNA Region Recognition Based on Hyperbranched Hybrid Chain Reaction Amplification for Simultaneous Sensitive Detection and Imaging of miRNA and Pre-miRNA. <i>Analytical Chemistry</i> , 2022, 94, 9911-9918.	3.2	15
132	A well-directional three-dimensional DNA walking nanomachine that runs in an orderly manner. <i>Chemical Science</i> , 2020, 11, 2193-2199.	3.7	14
133	Hydrogen-Bonding-Induced H-Aggregation of Charge-Transfer Complexes for Ultra-Efficient Second Near-Infrared Region Photothermal Conversion. <i>CCS Chemistry</i> , 2022, 4, 2333-2343.	4.6	14
134	Epigenetic Quantification of 5-Hydroxymethylcytosine Signatures <i>via</i> Regulatable DNAzyme Motor Triggered by Strand Displacement Amplification. <i>Analytical Chemistry</i> , 2022, 94, 3313-3319.	3.2	14
135	Electrochemiluminescence Sensor Based on Multiwalled Carbon Nanotubes Doped Polyvinyl Butyral Film Containing Ru(bpy) ₃ ²⁺ as Chemiluminescence Reagent. <i>Electroanalysis</i> , 2009, 21, 1636-1640.	1.5	13
136	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. <i>Small Methods</i> , 2020, 4, 1900440.	4.6	13
137	Quadrilateral Nucleic Acid Frame-Accelerating DNAzyme Walker Kinetics for Biosensing Based on Host@Guest Recognition-Enhanced Electrochemiluminescence. <i>Analytical Chemistry</i> , 2021, 93, 15493-15500.	3.2	13
138	New Signal Probe Integrated with ABEI as ECL Luminophore and Ag Nanoparticles Decorated CoS Nanoflowers as Bis-Co-Reaction Accelerator to Develop a Ultrasensitive cTnT Immunosensor. <i>Journal of the Electrochemical Society</i> , 2018, 165, B686-B693.	1.3	12
139	Biomolecule@Doped Organic/Inorganic Hybrid Nanocomposite Film for Label-Free Electrochemical Immunoassay of I _± @Fetoprotein. <i>Electroanalysis</i> , 2008, 20, 989-995.	1.5	11
140	Influence of annealing temperature on microstructure and lithium storage performance of self-templated Cu _x Co _{3x} O ₄ hollow microspheres. <i>RSC Advances</i> , 2016, 6, 62640-62646.	1.7	10
141	Ag@Pyc Nanocapsules as Electrochemiluminescence Emitters for an Ultrasensitive Assay of the APE1 Activity. <i>Analytical Chemistry</i> , 2022, 94, 9934-9939.	3.2	10
142	A Novel Amperometric Biosensor for Determination of Hydrogen Peroxide Based on Nafion and Polythionine as Well as Gold Nanoparticles and Gelatin as Matrixes. <i>Analytical Letters</i> , 2006, 39, 483-494.	1.0	9
143	Interaction-Transferable Graphene-Isolated Superstable AuCo Nanocrystal-Enabled Direct Cyanide Capture. <i>Analytical Chemistry</i> , 2019, 91, 8762-8766.	3.2	9
144	Efficient electrochemiluminescence of perylene nanocrystal entrapped in hierarchical porous Au nanoparticle-graphene oxide film for bioanalysis based on one-pot DNA amplification. <i>Electrochimica Acta</i> , 2020, 332, 135389.	2.6	9

#	ARTICLE	IF	CITATIONS
145	Sensitive electrochemiluminescence biosensor for glutathione using MnO ₂ nanoflower as novel co-reaction accelerator for Ru complex/tripropylamine system. <i>Analytica Chimica Acta</i> , 2021, 1188, 339181.	2.6	9
146	A noncovalent Ru(phen) ₃ ²⁺ @CNTs nanocomposite and its application as a solid-state electrochemiluminescence signal probe. <i>RSC Advances</i> , 2014, 4, 1955-1960.	1.7	8
147	Signal Amplification Strategy with Synergistic Catalysis of Hollow Pt Nanochains and Hemoglobin for Electrochemical Immunosensor. <i>Journal of the Electrochemical Society</i> , 2014, 161, B26-B30.	1.3	8
148	Versatile Graphene-Isolated AuAg Nanocrystal for Multiphase Analysis and Multimodal Cellular Raman Imaging. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1491-1497.	2.6	8
149	An ATP-fueled nucleic acid signal amplification strategy for highly sensitive microRNA detection. <i>Chemical Communications</i> , 2018, 54, 10897-10900.	2.2	7
150	A near-infrared light-controlled, ultrasensitive one-step photoelectrochemical detection of dual cell apoptosis indicators in living cancer cells. <i>Chemical Communications</i> , 2020, 56, 8488-8491.	2.2	6
151	Enzyme-mimic activity study of superstable and ultrasmall graphene encapsulated CoRu nanocrystal. <i>APL Materials</i> , 2021, 9, .	2.2	6
152	Metal-organic Frameworks (MOF)-based Novel Electrochemiluminescence Biosensing Platform for Quantification of H ₂ O ₂ Releasing from Tumor Cells. <i>Acta Chimica Sinica</i> , 2021, 79, 1257.	0.5	6
153	Charge-Transfer Cocystal via a Persistent Radical Cation Acceptor for Efficient Solar-Thermal Conversion. <i>Angewandte Chemie</i> , 0, , .	1.6	6
154	Advances in Electrochemiluminescence Biosensors Based on DNA Walkers. <i>ChemPlusChem</i> , 2022, 87, e202200070.	1.3	6
155	Electrochemical immunoassay for human chorionic gonadotrophin based on Pt hollow nanospheres and silver/titanium dioxide nanocomposite matrix. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 577-582.	1.6	3
156	An amperometric immunosensor for detection of Streptococcus suis serotype 2 using a nickel-gold nanocomposite as a tracer matrix. <i>RSC Advances</i> , 2015, 5, 79323-79328.	1.7	3
157	Pyrenecarboxaldehyde encapsulated porous TiO ₂ nanoreactors for monitoring cellular GSH levels. <i>Nanoscale</i> , 2022, 14, 5751-5757.	2.8	3
158	One-Step Digital Droplet Auto-Catalytic Nucleic Acid Amplification with High-Throughput Fluorescence Imaging and Droplet Tracking Computation. <i>Analytical Chemistry</i> , 2022, 94, 9166-9175.	3.2	3
159	Direct growth of Pt@Ag nanochains on tailorable graphene oxide with a green, in situ, template-free method and its biosensing application. <i>Analyst</i> , The, 2014, 139, 2560.	1.7	2
160	Tetrakis(4-aminophenyl) ethene-doped perylene microcrystals with strong electrochemiluminescence for biosensing applications. <i>Analyst</i> , The, 2020, 145, 5260-5265.	1.7	0