

Ying Zhuo

List of Publications by Citations

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151
papers

5,480
citations

45
h-index

65
g-index

160
ext. papers

6,607
ext. citations

7.9
avg, IF

6.23
L-index

#	Paper	IF	Citations
151	Bienzyme functionalized three-layer composite magnetic nanoparticles for electrochemical immunosensors. <i>Biomaterials</i> , 2009 , 30, 2284-90	15.6	196
150	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	16.4	142
149	In Situ Electrochemical Generation of Electrochemiluminescent Silver Nanoclusters on Target-Cycling Synchronized Rolling Circle Amplification Platform for MicroRNA Detection. <i>Analytical Chemistry</i> , 2016 , 88, 3203-10	7.8	136
148	Cu-Based Metal-Organic Frameworks as a Catalyst To Construct a Ratiometric Electrochemical Aptasensor for Sensitive Lipopolysaccharide Detection. <i>Analytical Chemistry</i> , 2015 , 87, 11345-52	7.8	131
147	Signal-off Electrochemiluminescence Biosensor Based on Phi29 DNA Polymerase Mediated Strand Displacement Amplification for MicroRNA Detection. <i>Analytical Chemistry</i> , 2015 , 87, 6328-34	7.8	127
146	Electrochemiluminescence Resonance Energy Transfer System: Mechanism and Application in Ratiometric Aptasensor for Lead Ion. <i>Analytical Chemistry</i> , 2015 , 87, 7787-94	7.8	120
145	Strong Electrochemiluminescence from MOF Accelerator Enriched Quantum Dots for Enhanced Sensing of Trace cTnl. <i>Analytical Chemistry</i> , 2018 , 90, 3995-4002	7.8	110
144	Ceria Doped Zinc Oxide Nanoflowers Enhanced Luminol-Based Electrochemiluminescence Immunosensor for Amyloid- β Detection. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12968-75	9.5	109
143	Ultrasensitive apurinic/apyrimidinic endonuclease 1 immunosensing based on self-enhanced electrochemiluminescence of a Ru(II) complex. <i>Analytical Chemistry</i> , 2014 , 86, 1053-60	7.8	100
142	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	11.8	99
141	Electrochemiluminescent Graphene Quantum Dots as a Sensing Platform: A Dual Amplification for MicroRNA Assay. <i>Analytical Chemistry</i> , 2015 , 87, 10385-91	7.8	98
140	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	7.8	97
139	New Signal Amplification Strategy Using Semicarbazide as Co-reaction Accelerator for Highly Sensitive Electrochemiluminescent Aptasensor Construction. <i>Analytical Chemistry</i> , 2015 , 87, 11389-97	7.8	88
138	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, 360-5	11.8	87
137	Near-infrared aggregation-induced enhanced electrochemiluminescence from tetraphenylethylene nanocrystals: a new generation of ECL emitters. <i>Chemical Science</i> , 2019 , 10, 4497-4501	9.4	85
136	MoS Quantum Dots as New Electrochemiluminescence Emitters for Ultrasensitive Bioanalysis of Lipopolysaccharide. <i>Analytical Chemistry</i> , 2017 , 89, 8335-8342	7.8	75
135	New type of redox nanoprobe: C60-based nanomaterial and its application in electrochemical immunoassay for doping detection. <i>Analytical Chemistry</i> , 2015 , 87, 1669-75	7.8	75

134	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	7.8	74
133	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, 356-62	11.8	74
132	Cu Nanoclusters: Novel Electrochemiluminescence Emitters for Bioanalysis. <i>Analytical Chemistry</i> , 2016 , 88, 11527-11532	7.8	74
131	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	7.8	73
130	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	7.8	73
129	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, 2258-65	7.8	73
128	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, 321-7	11.8	72
127	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	7.8	69
126	Glucose oxidase and ferrocene labels immobilized at Au/TiO ₂ nanocomposites with high load amount and activity for sensitive immunochemical measurement of ProGRP biomarker. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3838-44	11.8	69
125	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	7.7	65
124	Nanostructured conductive material containing ferrocenyl for reagentless amperometric immunosensors. <i>Biomaterials</i> , 2008 , 29, 1501-8	15.6	63
123	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, 5589-92	5.8	62
122	Cu/Mn Double-Doped CeO Nanocomposites as Signal Tags and Signal Amplifiers for Sensitive Electrochemical Detection of Procalcitonin. <i>Analytical Chemistry</i> , 2017 , 89, 13349-13356	7.8	61
121	Silver Ions as Novel Coreaction Accelerator for Remarkably Enhanced Electrochemiluminescence in a PTCA-SO System and Its Application in an Ultrasensitive Assay for Mercury Ions. <i>Analytical Chemistry</i> , 2018 , 90, 6851-6858	7.8	60
120	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	7.8	60
119	Au nanoparticles decorated C60 nanoparticle-based label-free electrochemiluminescence aptasensor via a novel "on-off-on" switch system. <i>Biomaterials</i> , 2015 , 52, 476-83	15.6	58
118	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, 287-92	11.8	55
117	Ultrasensitive electrochemical strategy for NT-proBNP detection with gold nanochains and horseradish peroxidase complex amplification. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2188-93	11.8	54

116	SnS Quantum Dots as New Emitters with Strong Electrochemiluminescence for Ultrasensitive Antibody Detection. <i>Analytical Chemistry</i> , 2018 , 90, 12270-12277	7.8	54
115	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	5.8	53
114	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	7.8	52
113	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	7.8	52
112	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	7.8	52
111	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	11.8	49
110	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, 12363-71	7.8	48
109	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	7.3	47
108	Sandwich-format electrochemiluminescence assays for tumor marker based on PAMAM dendrimer-L-cysteine-hollow gold nanosphere nanocomposites. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 459-64	11.8	47
107	Enzyme-free Target Recycling and Double-Output Amplification System for Electrochemiluminescent Assay of Mucin 1 with MoS Nanoflowers as Co-reaction Accelerator. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14483-14490	9.5	46
106	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	11.8	44
105	Perylene Derivative/Luminol Nanocomposite as a Strong Electrochemiluminescence Emitter for Construction of an Ultrasensitive MicroRNA Biosensor. <i>Analytical Chemistry</i> , 2019 , 91, 1516-1523	7.8	43
104	A tris(2,2Pbipyridyl)cobalt(III)-bovine serum albumin composite membrane for biosensors. <i>Biomaterials</i> , 2006 , 27, 5420-9	15.6	41
103	Sensitive Electrochemiluminescence Immunosensor for Detection of N-Acetyl-d-glucosaminidase Based on a "Light-Switch" Molecule Combined with DNA Dendrimer. <i>Analytical Chemistry</i> , 2016 , 88, 5797-803	7.8	41
102	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	11.8	41
101	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	7.8	40
100	Electrochemiluminescence of Supramolecular Nanorods and Their Application in the "On-Off-On" Detection of Copper Ions. <i>Chemistry - A European Journal</i> , 2016 , 22, 8207-14	4.8	40
99	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	11.8	39

98	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	7.8	39
97	Amplified thrombin aptasensor based on alkaline phosphatase and hemin/G-quadruplex-catalyzed oxidation of 1-naphthol. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10308-15	9.5	39
96	Anodic Electrochemiluminescence of Carbon Dots Promoted by Nitrogen Doping and Application to Rapid Cancer Cell Detection. <i>Analytical Chemistry</i> , 2020 , 92, 1379-1385	7.8	39
95	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	11.8	37
94	Novel Ru(bpy)(cpaphen)/TPrA/TiO Ternary ECL System: An Efficient Platform for the Detection of Glutathione with Mn as Substitute Target. <i>Analytical Chemistry</i> , 2019 , 91, 3681-3686	7.8	36
93	Dendritic Silver/Silicon Dioxide Nanocomposite Modified Electrodes for Electrochemical Sensing of Hydrogen Peroxide. <i>Electroanalysis</i> , 2008 , 20, 1839-1844	3	36
92	Highly Effective Protein Converting Strategy for Ultrasensitive Electrochemical Assay of Cystatin C. <i>Analytical Chemistry</i> , 2016 , 88, 5189-96	7.8	36
91	Highly Efficient Intramolecular Electrochemiluminescence Energy Transfer for Ultrasensitive Bioanalysis of Aflatoxin M1. <i>Chemistry - A European Journal</i> , 2017 , 23, 1853-1859	4.8	35
90	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	3.4	35
89	An efficient target-intermediate recycling amplification strategy for ultrasensitive fluorescence assay of intracellular lead ions. <i>Chemical Communications</i> , 2017 , 53, 7525-7528	5.8	32
88	Self-enhanced N-(aminobutyl)-N-(ethylisoluminol) derivative-based electrochemiluminescence immunosensor for sensitive laminin detection using PdIr cubes as a mimic peroxidase. <i>Nanoscale</i> , 2016 , 8, 8017-23	7.7	32
87	Functionalized SiO ₂ labeled CA19-9 antibodies: a new strategy for signal amplification of antigen-antibody sensing processes. <i>Analyst, The</i> , 2010 , 135, 2036-42	5	32
86	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	9.4	32
85	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	7.8	31
84	Multiparameter Analysis-Based Electrochemiluminescent Assay for Simultaneous Detection of Multiple Biomarker Proteins on a Single Interface. <i>Analytical Chemistry</i> , 2016 , 88, 4940-8	7.8	30
83	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	11.8	29
82	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	11.8	28
81	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	5.8	28

80	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	7.8	28
79	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	7.8	26
78	Triple Quenching of a Novel Self-Enhanced Ru(II) Complex by Hemin/G-Quadruplex DNAs and Its Potential Application to Quantitative Protein Detection. <i>Analytical Chemistry</i> , 2015 , 87, 7602-9	7.8	26
77	Ultrasensitive electrochemiluminescent detection of cardiac troponin I based on a self-enhanced Ru(II) complex. <i>Talanta</i> , 2014 , 129, 219-26	6.2	26
76	Electrochemiluminescence biosensing based on different modes of switching signals. <i>Analyst, The</i> , 2018 , 143, 3230-3248	5	26
75	A robust, magnetic, and self-accelerated electrochemiluminescent nanosensor for ultrasensitive detection of copper ion. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 109-115	11.8	25
74	Self-accelerated electrochemiluminescence emitters of Ag@SnO ₂ nanoflowers for sensitive detection of cardiac troponin T. <i>Electrochimica Acta</i> , 2018 , 271, 464-471	6.7	25
73	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	11.8	24
72	Amplified electrochemiluminescent aptasensor using mimicking bi-enzyme nanocomplexes as signal enhancement. <i>Analytica Chimica Acta</i> , 2014 , 809, 47-53	6.6	24
71	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	7.7	23
70	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	9.4	23
69	Covalent organic frameworks as micro-reactors: confinement-enhanced electrochemiluminescence. <i>Chemical Science</i> , 2020 , 11, 5410-5414	9.4	22
68	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	7.8	22
67	A Dynamic DNA Machine via Free Walker Movement on Lipid Bilayer for Ultrasensitive Electrochemiluminescent Bioassay. <i>Analytical Chemistry</i> , 2019 , 91, 14125-14132	7.8	21
66	High throughput immunosensor based on multi-label strategy and a novel array electrode. <i>Scientific Reports</i> , 2014 , 4, 4747	4.9	21
65	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	6.7	21
64	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, 14186-91	4.8	21
63	An Affinity-Enhanced DNA Intercalator with Intense ECL Embedded in DNA Hydrogel for Biosensing Applications. <i>Analytical Chemistry</i> , 2020 , 92, 11044-11052	7.8	20

62	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	9.5	20
61	The Ru complex and hollow gold nanoparticles branched-hydrogel as signal probe for construction of electrochemiluminescent aptasensor. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 7-12	11.8	19
60	BSA stabilized tetraphenylethylene nanocrystals as aggregation-induced enhanced electrochemiluminescence emitters for ultrasensitive microRNA assay. <i>Chemical Communications</i> , 2019 , 55, 9959-9962	5.8	19
59	Determination of carcinoembryonic antigen using a novel amperometric enzyme-electrode based on layer-by-layer assembly of gold nanoparticles and thionine. <i>Science in China Series B: Chemistry</i> , 2007 , 50, 97-104		19
58	Programmable mismatch-fueled high-efficiency DNA signal converter. <i>Chemical Science</i> , 2020 , 11, 148-153	9.4	19
57	Efficient Electrochemical Self-Catalytic Platform Based on l-Cys-hemin/G-quadruplex and Its Application for Bioassay. <i>Analytical Chemistry</i> , 2018 , 90, 9109-9116	7.8	19
56	Horseradish peroxidase-loaded nanospheres attached to hollow gold nanoparticles as signal enhancers in an ultrasensitive immunoassay for alpha-fetoprotein. <i>Mikrochimica Acta</i> , 2014 , 181, 679-685	5.8	18
55	Amperometric Immunosensor for the Determination of α -Fetoprotein Based on Core-Shell-Shell Prussian Blue-BSA-Nanogold Functionalized Interface. <i>Electroanalysis</i> , 2008 , 20, 2185-2191	3	18
54	Electrochemiluminescent Pb-Driven Circular Etching Sensor Coupled to a DNA Micronet-Carrier. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39812-39820	9.5	17
53	A novel ECL biosensor for β -lactamase detection: Using RU(II) linked-ampicillin complex as the recognition element. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 221-5	11.8	16
52	Pore Confinement-Enhanced Electrochemiluminescence on SnO Nanocrystal Xerogel with NO As Co-Reactant and Its Application in Facile and Sensitive Bioanalysis. <i>Analytical Chemistry</i> , 2020 , 92, 2839-2846	7.8	15
51	A synergistic promotion strategy remarkably accelerated electrochemiluminescence of SnO QDs for MicroRNA detection using 3D DNA walker amplification. <i>Biosensors and Bioelectronics</i> , 2020 , 173, 112820	11.8	15
50	Versatile metal graphitic nanocapsules for SERS bioanalysis. <i>Chinese Chemical Letters</i> , 2019 , 30, 1581-1582	9.2	14
49	CuS porous nanospheres as a novel noble metal-free co-reaction accelerator for enhancing electrochemiluminescence and sensitive immunoassay of mucin 1. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 110-115	8.5	14
48	3D Matrix-Arranged AuAg Nanoclusters As Electrochemiluminescence Emitters for Click Chemistry-Driven Signal Switch Bioanalysis. <i>Analytical Chemistry</i> , 2020 , 92, 2566-2572	7.8	14
47	A dynamic 3D DNA nanostructure based on silicon-supported lipid bilayers: a highly efficient DNA nanomachine for rapid and sensitive sensing. <i>Chemical Communications</i> , 2019 , 55, 13414-13417	5.8	14
46	A sensitive immunosensor via in situ enzymatically generating efficient quencher for electrochemiluminescence of iridium complexes doped SiO nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 568-574	11.8	13
45	An efficient electrochemiluminescence amplification strategy via bis-co-reaction accelerator for sensitive detection of laminin to monitor overnutrition associated liver damage. <i>Biosensors and Bioelectronics</i> , 2017 , 98, 317-324	11.8	13

44	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	9.5	13
43	Bipedal DNA walker mediated enzyme-free exponential isothermal signal amplification for rapid detection of microRNA. <i>Chemical Communications</i> , 2019 , 55, 13932-13935	5.8	13
42	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	3	12
41	Electrochemiluminescent carbon dot-based determination of microRNA-21 by using a hemin/G-wire supramolecular nanostructure as co-reaction accelerator. <i>Mikrochimica Acta</i> , 2018 , 185, 432	5.8	11
40	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	6.6	11
39	Biomolecule-Doped Organic/Inorganic Hybrid Nanocomposite Film for Label-Free Electrochemical Immunoassay of α -Fetoprotein. <i>Electroanalysis</i> , 2008 , 20, 989-995	3	11
38	DNA Structure Transition-Induced Affinity Switch for Biosensing Based on the Strong Electrochemiluminescence Platform from Organic Microcrystals. <i>Analytical Chemistry</i> , 2020 , 92, 3940-3948	7.8	10
37	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. <i>Small Methods</i> , 2020 , 4, 1900440	12.8	10
36	A well-directional three-dimensional DNA walking nanomachine that runs in an orderly manner. <i>Chemical Science</i> , 2020 , 11, 2193-2199	9.4	10
35	Influence of annealing temperature on microstructure and lithium storage performance of self-templated Cu ₃ Co ₃ O ₄ hollow microspheres. <i>RSC Advances</i> , 2016 , 6, 62640-62646	3.7	9
34	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	11.8	9
33	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	7.8	9
32	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	3.9	9
31	Intense electrochemiluminescence from an organic microcrystal accelerated HO-free luminol system for microRNA detection. <i>Chemical Communications</i> , 2020 , 56, 9000-9003	5.8	8
30	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	3.9	8
29	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	3.7	8
28	Swing Arm Location-Controllable DNA Walker for Electrochemiluminescence Biosensing. <i>Analytical Chemistry</i> , 2021 , 93, 4051-4058	7.8	8
27	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	2.2	6

26	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria.. <i>Advanced Science</i> , 2022 , e2104576	13.6	6
25	An ATP-fueled nucleic acid signal amplification strategy for highly sensitive microRNA detection. <i>Chemical Communications</i> , 2018 , 54, 10897-10900	5.8	6
24	Crystallization-Induced Enhanced Electrochemiluminescence from Tetraphenyl Alkene Nanocrystals for Ultrasensitive Sensing. <i>Analytical Chemistry</i> , 2021 , 93, 10890-10897	7.8	6
23	Interaction-Transferable Graphene-Isolated Superstable AuCo Nanocrystal-Enabled Direct Cyanide Capture. <i>Analytical Chemistry</i> , 2019 , 91, 8762-8766	7.8	5
22	A Magnetocatalytic Propelled Cobalt@Platinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. <i>CCS Chemistry</i> , 2382-2395	7.2	5
21	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	7.8	5
20	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	5.8	4
19	CDs assembled metal-organic framework: Exogenous coreactant-free biosensing platform with pore confinement-enhanced electrochemiluminescence. <i>Chinese Chemical Letters</i> , 2022 ,	8.1	4
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17	Graphene encapsulated Ru nanocrystal with highly-efficient peroxidase-like activity for glutathione detection at near-physiological pH. <i>Chemical Communications</i> , 2021 , 57, 7669-7672	5.8	4
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11	Development of Hollow Electrochemiluminescent Nanocubes Combined with a Multisite-Anchored DNA Nanomachine for Mycotoxin Detection. <i>Analytical Chemistry</i> , 2021 , 93, 5301-5308	7.8	3
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6	Versatile Graphene-Isolated AuAg-Nanocrystal for Multiphase Analysis and Multimodal Cellular Raman Imaging <i>Chinese Journal of Chemistry</i> , 2021 , 39, 1491-1497	4.9	1
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4	Sensitive electrochemiluminescence biosensor for glutathione using MnO nanoflower as novel co-reaction accelerator for Ru complex/triethylamine system. <i>Analytica Chimica Acta</i> , 2021 , 1188, 339181	6.6	0
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1	Tetrakis(4-aminophenyl) ethene-doped perylene microcrystals with strong electrochemiluminescence for biosensing applications. <i>Analyst, The</i> , 2020 , 145, 5260-5265	5	