Ying Zhuo

List of Publications by Year in Descending Order

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	CDs assembled metal-organic framework: Exogenous coreactant-free biosensing platform with pore confinement-enhanced electrochemiluminescence. *Chinese Chemical Letters*, **2022**,	8.1	4
150	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria.. *Advanced Science*, **2022**, e2104576	13.6	6
149	A Novel Ratiometric Electrochemical Biosensor Using Only One Signal Tag for Highly Reliable and Ultrasensitive Detection of miRNA-21.. *Analytical Chemistry*, **2022**, 94, 5167-5172	7.8	5
148	Advances in Electrochemiluminescence Biosensors Based on DNA Walkers.. *ChemPlusChem*, **2022**, 87, e202200070	2.8	0
147	Electrochemiluminescence covalent organic framework coupling with CRISPR/Cas12a-mediated biosensor for pesticide residue detection.. *Food Chemistry*, **2022**, 389, 133049	8.5	0
146	A core-brush 3D DNA nanostructure: the next generation of DNA nanomachine for ultrasensitive sensing and imaging of intracellular microRNA with rapid kinetics.. *Chemical Science*, **2021**, 12, 15953-15959	9.4	3
145	Quadrilateral Nucleic Acid Frame-Accelerating DNAzyme Walker Kinetics for Biosensing Based on Host-Guest Recognition-Enhanced Electrochemiluminescence. *Analytical Chemistry*, **2021**, 93, 15493-15500	7.8	1
144	Metal-organic Frameworks (MOF)-based Novel Electrochemiluminescence Biosensing Platform for Quantification of H2O2 Releasing from Tumor Cells. *Acta Chimica Sinica*, **2021**, 79, 1257	3.3	3
143	MicroRNA-Triggered Deconstruction of Field-Free Spherical Nucleic Acid as an Electrochemiluminescence Biosensing Switch. *Analytical Chemistry*, **2021**, 93, 13928-13934	7.8	2
142	Sensitive electrochemiluminescence biosensor for glutathione using MnO nanoflower as novel co-reaction accelerator for Ru complex/tripropylamine system. *Analytica Chimica Acta*, **2021**, 1188, 339181	6.6	0
141	Development of Hollow Electrochemiluminescent Nanocubes Combined with a Multisite-Anchored DNA Nanomachine for Mycotoxin Detection. *Analytical Chemistry*, **2021**, 93, 5301-5308	7.8	3
140	Versatile Graphene-Isolated AuAg-Nanocrystal for Multiphase Analysis and Multimodal Cellular Raman Imaging *Chinese Journal of Chemistry*, **2021**, 39, 1491-1497	4.9	1
139	Enzyme-mimic activity study of superstable and ultrasmall graphene encapsuled CoRu nanocrystal. *APL Materials*, **2021**, 9, 051110	5.7	1
138	Engineering a high-efficient DNA amplifier for biosensing application based on perylene decorated Ag microflowers as novel electrochemiluminescence indicators. *Biosensors and Bioelectronics*, **2021**, 182, 113178	11.8	9
137	Kill Three Birds with One Stone: Poly(3,4-ethylenedioxythiophene)-Hosted Ag Nanoclusters with Boosted Cathodic Electrochemiluminescence for Biosensing Application. *Analytical Chemistry*, **2021**, 93, 1120-1125	7.8	9
136	Graphene encapsuled Ru nanocrystal with highly-efficient peroxidase-like activity for glutathione detection at near-physiological pH. *Chemical Communications*, **2021**, 57, 7669-7672	5.8	4
135	Swing Arm Location-Controllable DNA Walker for Electrochemiluminescence Biosensing. *Analytical Chemistry*, **2021**, 93, 4051-4058	7.8	8

134	Crystallization-Induced Enhanced Electrochemiluminescence from Tetraphenyl Alkene Nanocrystals for Ultrasensitive Sensing. *Analytical Chemistry*, **2021**, 93, 10890-10897	7.8	6
133	Programming a ""-like DNA Nanomachine as a Super Signal Amplifier for Ultrasensitive Electrochemical Assay of Hg. *Analytical Chemistry*, **2021**, 93, 12075-12080	7.8	2
132	A near-infrared light-controlled, ultrasensitive one-step photoelectrochemical detection of dual cell apoptosis indicators in living cancer cells. *Chemical Communications*, **2020**, 56, 8488-8491	5.8	4
131	Tetrakis(4-aminophenyl) ethene-doped perylene microcrystals with strong electrochemiluminescence for biosensing applications. *Analyst, The*, **2020**, 145, 5260-5265	5	
130	Intense electrochemiluminescence from an organic microcrystal accelerated HO-free luminol system for microRNA detection. *Chemical Communications*, **2020**, 56, 9000-9003	5.8	8
129	DNA Structure Transition-Induced Affinity Switch for Biosensing Based on the Strong Electrochemiluminescence Platform from Organic Microcrystals. *Analytical Chemistry*, **2020**, 92, 3940-3948	7.8	10
128	Covalent organic frameworks as micro-reactors: confinement-enhanced electrochemiluminescence. *Chemical Science*, **2020**, 11, 5410-5414	9.4	22
127	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. *Small Methods*, **2020**, 4, 1900440	12.8	10
126	3D Matrix-Arranged AuAg Nanoclusters As Electrochemiluminescence Emitters for Click Chemistry-Driven Signal Switch Bioanalysis. *Analytical Chemistry*, **2020**, 92, 2566-2572	7.8	14
125	A well-directional three-dimensional DNA walking nanomachine that runs in an orderly manner. *Chemical Science*, **2020**, 11, 2193-2199	9.4	10
124	Programmable mismatch-fueled high-efficiency DNA signal converter. *Chemical Science*, **2020**, 11, 148-153	9.4	19
123	Pore Confinement-Enhanced Electrochemiluminescence on SnO Nanocrystal Xerogel with NO As Co-Reactant and Its Application in Facile and Sensitive Bioanalysis. *Analytical Chemistry*, **2020**, 92, 2839-2846	7.8	15
122	Organic Dots Embedded in Mesostructured Silica Xerogel as High-Performance ECL Emitters: Preparation and Application for MicroRNA-126 Detection. *ACS Applied Materials & Interfaces*, **2020**, 12, 3945-3952	9.5	13
121	Efficient electrochemiluminescence of perylene nanocrystal entrapped in hierarchical porous Au nanoparticle-graphene oxide film for bioanalysis based on one-pot DNA amplification. *Electrochimica Acta*, **2020**, 332, 135389	6.7	4
120	Anodic Electrochemiluminescence of Carbon Dots Promoted by Nitrogen Doping and Application to Rapid Cancer Cell Detection. *Analytical Chemistry*, **2020**, 92, 1379-1385	7.8	39
119	An Affinity-Enhanced DNA Intercalator with Intense ECL Embedded in DNA Hydrogel for Biosensing Applications. *Analytical Chemistry*, **2020**, 92, 11044-11052	7.8	20
118	A Janus 3D DNA nanomachine for simultaneous and sensitive fluorescence detection and imaging of dual microRNAs in cancer cells. *Chemical Science*, **2020**, 11, 8482-8488	9.4	32
117	In Situ Controllable Generation of Copper Nanoclusters Confined in a Poly-l-Cysteine Porous Film with Enhanced Electrochemiluminescence for Alkaline Phosphatase Detection. *Analytical Chemistry* , **2020**, 92, 13581-13587	7.8	28

116	A synergistic promotion strategy remarkably accelerated electrochemiluminescence of SnO QDs for MicroRNA detection using 3D DNA walker amplification. *Biosensors and Bioelectronics*, **2020**, 173, 112820	11.8	15
115	A Dynamic DNA Machine via Free Walker Movement on Lipid Bilayer for Ultrasensitive Electrochemiluminescent Bioassay. *Analytical Chemistry*, **2019**, 91, 14125-14132	7.8	21
114	An ultrasensitive aptasensor based on self-enhanced Au nanoclusters as highly efficient electrochemiluminescence indicator and multi-site landing DNA walker as signal amplification. *Biosensors and Bioelectronics*, **2019**, 130, 262-268	11.8	28
113	Novel Ru(bpy)(cpaphen)/TPrA/TiO Ternary ECL System: An Efficient Platform for the Detection of Glutathione with Mn as Substitute Target. *Analytical Chemistry*, **2019**, 91, 3681-3686	7.8	36
112	Simply Constructed and Highly Efficient Classified Cargo-Discharge DNA Robot: A DNA Walking Nanomachine Platform for Ultrasensitive Multiplexed Sensing. *Analytical Chemistry*, **2019**, 91, 8123-8128	7.8	26
111	Versatile metal graphitic nanocapsules for SERS bioanalysis. *Chinese Chemical Letters*, **2019**, 30, 1581-1582	8.1	14
110	Near-infrared aggregation-induced enhanced electrochemiluminescence from tetraphenylethylene nanocrystals: a new generation of ECL emitters. *Chemical Science*, **2019**, 10, 4497-4501	9.4	85
109	Electrochemiluminescence Enhanced by Restriction of Intramolecular Motions (RIM): Tetraphenylethylene Microcrystals as a Novel Emitter for Mucin 1 Detection. *Analytical Chemistry*, **2019**, 91, 3710-3716	7.8	40
108	BSA stabilized tetraphenylethylene nanocrystals as aggregation-induced enhanced electrochemiluminescence emitters for ultrasensitive microRNA assay. *Chemical Communications*, **2019**, 55, 9959-9962	5.8	19
107	Interaction-Transferable Graphene-Isolated Superstable AuCo Nanocrystal-Enabled Direct Cyanide Capture. *Analytical Chemistry*, **2019**, 91, 8762-8766	7.8	5
106	Bipedal DNA walker mediated enzyme-free exponential isothermal signal amplification for rapid detection of microRNA. *Chemical Communications*, **2019**, 55, 13932-13935	5.8	13
105	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	5.8	14
104	Perylene Derivative/Luminol Nanocomposite as a Strong Electrochemiluminescence Emitter for Construction of an Ultrasensitive MicroRNA Biosensor. *Analytical Chemistry*, **2019**, 91, 1516-1523	7.8	43
103	Strong Electrochemiluminescence from MOF Accelerator Enriched Quantum Dots for Enhanced Sensing of Trace cTnI. *Analytical Chemistry*, **2018**, 90, 3995-4002	7.8	110
102	A robust, magnetic, and self-accelerated electrochemiluminescent nanosensor for ultrasensitive detection of copper ion. *Biosensors and Bioelectronics*, **2018**, 109, 109-115	11.8	25
101	Enzyme-free Target Recycling and Double-Output Amplification System for Electrochemiluminescent Assay of Mucin 1 with MoS Nanoflowers as Co-reaction Accelerator. *ACS Applied Materials & Interfaces*, **2018**, 10, 14483-14490	9.5	46
100	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. *Analytical Chemistry*, **2018**, 90, 6851-6858	7.8	60
99	Self-accelerated electrochemiluminescence emitters of Ag@SnO2 nanoflowers for sensitive detection of cardiac troponin T. *Electrochimica Acta*, **2018**, 271, 464-471	6.7	25

98	Morphology-Controlled 9,10-Diphenylanthracene Nanoblocks as Electrochemiluminescence Emitters for MicroRNA Detection with One-Step DNA Walker Amplification. *Analytical Chemistry*, **2018**, 90, 5298-5305	7.8	73
97	Hemin as electrochemically regenerable co-reaction accelerator for construction of an ultrasensitive PTCA-based electrochemiluminescent aptasensor. *Biosensors and Bioelectronics*, **2018**, 100, 490-496	11.8	44
96	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	8.5	14
95	Highly Ordered and Field-Free 3D DNA Nanostructure: The Next Generation of DNA Nanomachine for Rapid Single-Step Sensing. *Journal of the American Chemical Society*, **2018**, 140, 9361-9364	16.4	142
94	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	5.8	11
93	Homogeneous Entropy Catalytic-Driven DNA Hydrogel as Strong Signal Blocker for Highly Sensitive Electrochemical Detection of Platelet-Derived Growth Factor. *Analytical Chemistry*, **2018**, 90, 8241-8247	7.8	31
92	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. *Journal of the Electrochemical Society*, **2018**, 165, B686-B693	3.9	9
91	Application of Antibody-Powered Triplex-DNA Nanomachine to Electrochemiluminescence Biosensor for the Detection of Anti-Digoxigenin with Improved Sensitivity Versus Cycling Strand Displacement Reaction. *ACS Applied Materials & Interfaces*, **2018**, 10, 38648-38655	9.5	20
90	SnS Quantum Dots as New Emitters with Strong Electrochemiluminescence for Ultrasensitive Antibody Detection. *Analytical Chemistry*, **2018**, 90, 12270-12277	7.8	54
89	An ATP-fueled nucleic acid signal amplification strategy for highly sensitive microRNA detection. *Chemical Communications*, **2018**, 54, 10897-10900	5.8	6
88	Electrochemiluminescence biosensing based on different modes of switching signals. *Analyst, The*, **2018**, 143, 3230-3248	5	26
87	Efficient Electrochemical Self-Catalytic Platform Based on l-Cys-hemin/G-quadruplex and Its Application for Bioassay. *Analytical Chemistry*, **2018**, 90, 9109-9116	7.8	19
86	Amplified impedimetric aptasensor combining target-induced DNA hydrogel formation with pH-stimulated signal amplification for the heparanase assay. *Nanoscale*, **2017**, 9, 2556-2562	7.7	23
85	DNA nanomachine-based regenerated sensing platform: a novel electrochemiluminescence resonance energy transfer strategy for ultra-high sensitive detection of microRNA from cancer cells. *Nanoscale*, **2017**, 9, 2310-2316	7.7	65
84	Highly Efficient Electrochemiluminescent Silver Nanoclusters/Titanium Oxide Nanomaterials as a Signal Probe for Ferrocene-Driven Light Switch Bioanalysis. *Analytical Chemistry*, **2017**, 89, 3732-3738	7.8	73
83	Ultrasensitive Assay for Telomerase Activity via Self-Enhanced Electrochemiluminescent Ruthenium Complex Doped Metal-Organic Frameworks with High Emission Efficiency. *Analytical Chemistry*, **2017**, 89, 3222-3227	7.8	74
82	Electrochemiluminescence Biosensor Based on 3-D DNA Nanomachine Signal Probe Powered by Protein-Aptamer Binding Complex for Ultrasensitive Mucin 1 Detection. *Analytical Chemistry*, **2017**, 89, 4280-4286	7.8	97
81	In Situ Electrodeposited Synthesis of Electrochemiluminescent Ag Nanoclusters as Signal Probe for Ultrasensitive Detection of Cyclin-D1 from Cancer Cells. *Analytical Chemistry*, **2017**, 89, 6787-6793	7.8	52

80	An efficient target-intermediate recycling amplification strategy for ultrasensitive fluorescence assay of intracellular lead ions. *Chemical Communications*, **2017**, 53, 7525-7528	5.8	32
79	A sensitive immunosensor via in situ enzymatically generating efficient quencher for electrochemiluminescence of iridium complexes doped SiO nanoparticles. *Biosensors and Bioelectronics*, **2017**, 94, 568-574	11.8	13
78	Highly Efficient Intramolecular Electrochemiluminescence Energy Transfer for Ultrasensitive Bioanalysis of Aflatoxin M1. *Chemistry - A European Journal*, **2017**, 23, 1853-1859	4.8	35
77	Dual microRNAs-Fueled DNA Nanogears: A Case of Regenerated Strategy for Multiple Electrochemiluminescence Detection of microRNAs with Single Luminophore. *Analytical Chemistry*, **2017**, 89, 1338-1345	7.8	52
76	Ferrocene covalently confined in porous MOF as signal tag for highly sensitive electrochemical immunoassay of amyloid-卪 *Journal of Materials Chemistry B*, **2017**, 5, 8330-8336	7.3	47
75	Electrochemiluminescent Pb-Driven Circular Etching Sensor Coupled to a DNA Micronet-Carrier. *ACS Applied Materials & Interfaces*, **2017**, 9, 39812-39820	9.5	17
74	Host-Guest Recognition-Assisted Electrochemical Release: Its Reusable Sensing Application Based on DNA Cross Configuration-Fueled Target Cycling and Strand Displacement Reaction Amplification. *Analytical Chemistry*, **2017**, 89, 8266-8272	7.8	22
73	Universal Ratiometric Photoelectrochemical Bioassay with Target-Nucleotide Transduction-Amplification and Electron-Transfer Tunneling Distance Regulation Strategies for Ultrasensitive Determination of microRNA in Cells. *Analytical Chemistry*, **2017**, 89, 9445-9451	7.8	60
72	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. *Chemical Communications*, **2017**, 53, 9705-9708	5.8	53
71	Ternary Electrochemiluminescence System Based on Rubrene Microrods as Luminophore and Pt Nanomaterials as Coreaction Accelerator for Ultrasensitive Detection of MicroRNA from Cancer Cells. *Analytical Chemistry*, **2017**, 89, 9108-9115	7.8	69
70	Hollow Porous Polymeric Nanospheres of a Self-Enhanced Ruthenium Complex with Improved Electrochemiluminescent Efficiency for Ultrasensitive Aptasensor Construction. *Analytical Chemistry*, **2017**, 89, 9232-9238	7.8	52
69	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. *Chemical Communications*, **2017**, 53, 9624-9627	5.8	28
68	Cu/Mn Double-Doped CeO Nanocomposites as Signal Tags and Signal Amplifiers for Sensitive Electrochemical Detection of Procalcitonin. *Analytical Chemistry*, **2017**, 89, 13349-13356	7.8	61
67	Ultrasensitive Electrochemiluminescence Biosensing Platform for Detection of Multiple Types of Biomarkers toward Identical Cancer on a Single Interface. *Analytical Chemistry*, **2017**, 89, 12821-12827	7.8	39
66	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	11.8	13
65	MoS Quantum Dots as New Electrochemiluminescence Emitters for Ultrasensitive Bioanalysis of Lipopolysaccharide. *Analytical Chemistry*, **2017**, 89, 8335-8342	7.8	75
64	Target-catalyzed hairpin assembly and intramolecular/intermolecular co-reaction for signal amplified electrochemiluminescent detection of microRNA. *Biosensors and Bioelectronics*, **2016**, 77, 442-50	11.8	49
63	Novel electrochemiluminescence of perylene derivative and its application to mercury ion detection based on a dual amplification strategy. *Biosensors and Bioelectronics*, **2016**, 86, 720-727	11.8	37

62	Electrochemiluminescence Aptasensor Based on Cascading Amplification of Nicking Endonuclease-Assisted Target Recycling and Rolling Circle Amplifications for Mucin 1 Detection. *Electrochimica Acta*, **2016**, 212, 767-774	6.7	21
61	Cu Nanoclusters: Novel Electrochemiluminescence Emitters for Bioanalysis. *Analytical Chemistry*, **2016**, 88, 11527-11532	7.8	74
60	Influence of annealing temperature on microstructure and lithium storage performance of self-templated CuxCo3⊠O4 hollow microspheres. *RSC Advances*, **2016**, 6, 62640-62646	3.7	9
59	Self-Enhanced Electrochemiluminescence Nanorods of Tris(bipyridine) Ruthenium(II) Derivative and Its Sensing Application for Detection of N-Acetyl-╫d-glucosaminidase. *Analytical Chemistry*, **2016**, 88, 2258-65	7.8	73
58	In situ electro-polymerization of nitrogen doped carbon dots and their application in an electrochemiluminescence biosensor for the detection of intracellular lead ions. *Chemical Communications*, **2016**, 52, 5589-92	5.8	62
57	In Situ Electrochemical Generation of Electrochemiluminescent Silver Naonoclusters on Target-Cycling Synchronized Rolling Circle Amplification Platform for MicroRNA Detection. *Analytical Chemistry*, **2016**, 88, 3203-10	7.8	136
56	Self-enhanced N-(aminobutyl)-N-(ethylisoluminol) derivative-based electrochemiluminescence immunosensor for sensitive laminin detection using PdIr cubes as a mimic peroxidase. *Nanoscale*, **2016**, 8, 8017-23	7.7	32
55	A nanohybrid of platinum nanoparticles-porous ZnO-hemin with electrocatalytic activity to construct an amplified immunosensor for detection of influenza. *Biosensors and Bioelectronics*, **2016**, 78, 321-327	11.8	24
54	The Ru complex and hollow gold nanoparticles branched-hydrogel as signal probe for construction of electrochemiluminescent aptasensor. *Biosensors and Bioelectronics*, **2016**, 77, 7-12	11.8	19
53	Electrochemiluminescence of Supramolecular Nanorods and Their Application in the "On-Off-On" Detection of Copper Ions. *Chemistry - A European Journal*, **2016**, 22, 8207-14	4.8	40
52	Sensitive Electrochemiluminescence Immunosensor for Detection of N-Acetyl-╫d-glucosaminidase Based on a "Light-Switch" Molecule Combined with DNA Dendrimer. *Analytical Chemistry*, **2016**, 88, 5797-803	7.8	41
51	Ce-based metal-organic frameworks and DNAzyme-assisted recycling as dual signal amplifiers for sensitive electrochemical detection of lipopolysaccharide. *Biosensors and Bioelectronics*, **2016**, 83, 287-92	11.8	55
50	Multiparameter Analysis-Based Electrochemiluminescent Assay for Simultaneous Detection of Multiple Biomarker Proteins on a Single Interface. *Analytical Chemistry*, **2016**, 88, 4940-8	7.8	30
49	A sensitive electrochemiluminescent aptasensor based on perylene derivatives as a novel co-reaction accelerator for signal amplification. *Biosensors and Bioelectronics*, **2016**, 85, 8-15	11.8	41
48	Ceria Doped Zinc Oxide Nanoflowers Enhanced Luminol-Based Electrochemiluminescence Immunosensor for Amyloid-╫Detection. *ACS Applied Materials & Interfaces*, **2016**, 8, 12968-75	9.5	109
47	Highly Effective Protein Converting Strategy for Ultrasensitive Electrochemical Assay of Cystatin C. *Analytical Chemistry*, **2016**, 88, 5189-96	7.8	36
46	Competitive method-based electrochemiluminescent assay with protein-nucleotide conversion for ratio detection to efficiently monitor the drug resistance of cancer cells. *Chemical Science*, **2016**, 7, 7094-7100	9.4	23
45	Electrochemiluminescence Resonance Energy Transfer System: Mechanism and Application in Ratiometric Aptasensor for Lead Ion. *Analytical Chemistry*, **2015**, 87, 7787-94	7.8	120

44	Triple Quenching of a Novel Self-Enhanced Ru(II) Complex by Hemin/G-Quadruplex DNAzymes and Its Potential Application to Quantitative Protein Detection. *Analytical Chemistry*, **2015**, 87, 7602-9	7.8	26
43	A novel ECL biosensor for β-lactamase detection: Using RU(II) linked-ampicillin complex as the recognition element. *Biosensors and Bioelectronics*, **2015**, 70, 221-5	11.8	16
42	Signal-off Electrochemiluminescence Biosensor Based on Phi29 DNA Polymerase Mediated Strand Displacement Amplification for MicroRNA Detection. *Analytical Chemistry*, **2015**, 87, 6328-34	7.8	127
41	Electrochemiluminescence immunosensor based on multifunctional luminol-capped AuNPs@Fe3O4 nanocomposite for the detection of mucin-1. *Biosensors and Bioelectronics*, **2015**, 71, 407-413	11.8	39
40	Au nanoparticles decorated C60 nanoparticle-based label-free electrochemiluminesence aptasensor via a novel "on-off-on" switch system. *Biomaterials*, **2015**, 52, 476-83	15.6	58
39	Electrochemiluminescent Graphene Quantum Dots as a Sensing Platform: A Dual Amplification for MicroRNA Assay. *Analytical Chemistry*, **2015**, 87, 10385-91	7.8	98
38	New Signal Amplification Strategy Using Semicarbazide as Co-reaction Accelerator for Highly Sensitive Electrochemiluminescent Aptasensor Construction. *Analytical Chemistry*, **2015**, 87, 11389-97	7.8	88
37	Cu-Based Metal-Organic Frameworks as a Catalyst To Construct a Ratiometric Electrochemical Aptasensor for Sensitive Lipopolysaccharide Detection. *Analytical Chemistry*, **2015**, 87, 11345-52	7.8	131
36	An amperometric immunosensor for detection of Streptococcus suis serotype 2 using a nickel–gold nanocomposite as a tracer matrix. *RSC Advances*, **2015**, 5, 79323-79328	3.7	3
35	Ultrasensitive Cytosensor Based on Self-Enhanced Electrochemiluminescent Ruthenium-Silica Composite Nanoparticles for Efficient Drug Screening with Cell Apoptosis Monitoring. *Analytical Chemistry*, **2015**, 87, 12363-71	7.8	48
34	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. *Biosensors and Bioelectronics*, **2015**, 66, 356-62	11.8	74
33	Highly efficient electrogenerated chemiluminescence quenching of PEI enhanced Ru(bpy)3+ nanocomposite by hemin and Au@CeO2 nanoparticles. *Biosensors and Bioelectronics*, **2015**, 63, 392-398	11.8	29
32	Amplified thrombin aptasensor based on alkaline phosphatase and hemin/G-quadruplex-catalyzed oxidation of 1-naphthol. *ACS Applied Materials & Interfaces*, **2015**, 7, 10308-15	9.5	39
31	Ultrasensitive simultaneous detection of four biomarkers based on hybridization chain reaction and biotin-streptavidin signal amplification strategy. *Biosensors and Bioelectronics*, **2015**, 68, 42-48	11.8	99
30	New type of redox nanoprobe: C60-based nanomaterial and its application in electrochemical immunoassay for doping detection. *Analytical Chemistry*, **2015**, 87, 1669-75	7.8	75
29	An amplified electrochemical immunosensor based on in situ-produced 1-naphthol as electroactive substance and graphene oxide and Pt nanoparticles functionalized CeO2 nanocomposites as signal enhancer. *Biosensors and Bioelectronics*, **2015**, 69, 321-7	11.8	72
28	High throughput immunosenor based on multi-label strategy and a novel array electrode. *Scientific Reports*, **2014**, 4, 4747	4.9	21
27	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	5.8	18

26	Direct growth of Pt@Ag nanochains on tailorable graphene oxide with a green, in situ, template-free method and its biosensing application. *Analyst, The*, **2014**, 139, 2560-4	5	1
25	Amplified electrochemiluminescent aptasensor using mimicking bi-enzyme nanocomplexes as signal enhancement. *Analytica Chimica Acta*, **2014**, 809, 47-53	6.6	24
24	Highly sensitive impedimetric immunosensor based on single-walled carbon nanohorns as labels and bienzyme biocatalyzed precipitation as enhancer for cancer biomarker detection. *Biosensors and Bioelectronics*, **2014**, 55, 360-5	11.8	87
23	Signal Amplification Strategy with Synergistic Catalysis of Hollow Pt Nanochains and Hemoglobin for Electrochemical Immunosensor. *Journal of the Electrochemical Society*, **2014**, 161, B26-B30	3.9	8
22	Ultrasensitive apurinic/apyrimidinic endonuclease 1 immunosensing based on self-enhanced electrochemiluminescence of a Ru(II) complex. *Analytical Chemistry*, **2014**, 86, 1053-60	7.8	100
21	A reagentless electrochemiluminescent immunosensor for apurinic/apyrimidinic endonuclease 1 detection based on the new Ru(bpy)3(2+)/bi-arginine system. *Analytica Chimica Acta*, **2014**, 846, 36-43	6.6	11
20	Sandwich-format electrochemiluminescence assays for tumor marker based on PAMAM dendrimer-L-cysteine-hollow gold nanosphere nanocomposites. *Biosensors and Bioelectronics*, **2014**, 53, 459-64	11.8	47
19	Ultrasensitive electrochemiluminescent detection of cardiac troponin I based on a self-enhanced Ru(II) complex. *Talanta*, **2014**, 129, 219-26	6.2	26
18	A noncovalent Ru(phen)32+@CNTs nanocomposite and its application as a solid-state electrochemiluminescence signal probe. *RSC Advances*, **2014**, 4, 1955-1960	3.7	8
17	3,4,9,10-perylenetetracarboxylic acid/hemin nanocomposites act as redox probes and electrocatalysts for constructing a pseudobienzyme-channeling amplified electrochemical aptasensor. *Chemistry - A European Journal*, **2012**, 18, 14186-91	4.8	21
16	Glucose oxidase and ferrocene labels immobilized at Au/TiO□nanocomposites with high load amount and activity for sensitive immunoelectrochemical measurement of ProGRP biomarker. *Biosensors and Bioelectronics*, **2011**, 26, 3838-44	11.8	69
15	Ultrasensitive electrochemical strategy for NT-proBNP detection with gold nanochains and horseradish peroxidase complex amplification. *Biosensors and Bioelectronics*, **2011**, 26, 2188-93	11.8	54
14	Functionalized SiO2 labeled CA19-9 antibodies: a new strategy for signal amplification of antigen-antibody sensing processes. *Analyst, The*, **2010**, 135, 2036-42	5	32
13	Electrochemiluminescence Sensor Based on Multiwalled Carbon Nanotubes Doped Polyvinyl Butyral Film Containing Ru(bpy)$rm{ {_{3}^{2+}}}$ as Chemiluminescence Reagent. *Electroanalysis*, **2009**, 21, 1636-1640	3	12
12	Bienzyme functionalized three-layer composite magnetic nanoparticles for electrochemical immunosensors. *Biomaterials*, **2009**, 30, 2284-90	15.6	196
11	Biomolecule-Doped Organic/Inorganic Hybrid Nanocomposite Film for Label-Free Electrochemical Immunoassay of □1-Fetoprotein. *Electroanalysis*, **2008**, 20, 989-995	3	11
10	Dendritic Silver/Silicon Dioxide Nanocomposite Modified Electrodes for Electrochemical Sensing of Hydrogen Peroxide. *Electroanalysis*, **2008**, 20, 1839-1844	3	36
9	Amperometric Immunosensor for the Determination of □1-Fetoprotein Based on Core-Shell-Shell Prussian Blue-BSA-Nanogold Functionalized Interface. *Electroanalysis*, **2008**, 20, 2185-2191	3	18

8	Nanostructured conductive material containing ferrocenyl for reagentless amperometric immunosensors. *Biomaterials*, **2008**, 29, 1501-8	15.6	63
7	A Reagentless Amperometric Immunosensor for Alpha-Fetoprotein Based on Gold Nanoparticles/TiO2 Colloids/Prussian Blue Modified Platinum Electrode. *Electroanalysis*, **2007**, 19, 1402-1410	3	35
6	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		19
5	A Novel Amperometric Biosensor for Determination of Hydrogen Peroxide Based on Nafion and Polythionine as Well as Gold Nanoparticles and Gelatin as Matrixes. *Analytical Letters*, **2006**, 39, 483-494	2.2	6
4	A tris(2,2Pbipyridyl)cobalt(III)-bovine serum albumin composite membrane for biosensors. *Biomaterials*, **2006**, 27, 5420-9	15.6	41
3	A Magnetocatalytic Propelled CobaltPlatinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. *CCS Chemistry*,2382-2395	7.2	5
2	Hydrogen-Bonding-Induced H-Aggregation of Charge-Transfer Complexes for Ultra-Efficient Second Near-Infrared Region Photothermal Conversion. *CCS Chemistry*,2288-2298	7.2	4
1	Advances in metal graphitic nanocapsules for biomedicine. *Exploration*,20210223		4