Ruo Yuan

List of Publications by Year in Descending Order

604 papers	17,929 citations	65 h-index	88 g-index
634 ext. papers	21,621 ext. citations	7.5 avg, IF	7.52 L-index

#	Paper	IF	Citations
604	CDs assembled metal-organic framework: Exogenous coreactant-free biosensing platform with pore confinement-enhanced electrochemiluminescence. *Chinese Chemical Letters*, **2022**,	8.1	4
603	Enzyme-free triple cycles triggered in-situ generation of nanospheres on DNA planar tripod for sensitive photoelectrochemical biosensor. *Sensors and Actuators B: Chemical*, **2022**, 358, 131491	8.5	0
602	Highly sensitive and label-free detection of DILI microRNA biomarker via target recycling and primer exchange reaction amplifications.. *Analytica Chimica Acta*, **2022**, 1197, 339521	6.6	0
601	Electrochemical label-free biomolecular logic gates regulated by distinct inputs.. *Biosensors and Bioelectronics*, **2022**, 202, 114000	11.8	1
600	Proximity hybridization-induced competitive rolling circle amplification to construct fluorescent dual-sensor for simultaneous evaluation of glycated and total hemoglobin.. *Biosensors and Bioelectronics*, **2022**, 202, 113998	11.8	
599	P3HT-PbS nanocomposites with mimicking enzyme as bi-enhancer for ultrasensitive photocathodic biosensor. *Biosensors and Bioelectronics*, **2022**, 197, 113806	11.8	1
598	Porous FeO@COF-Immobilized gold nanoparticles with excellent catalytic performance for sensitive electrochemical detection of ATP. *Biosensors and Bioelectronics*, **2022**, 197, 113758	11.8	10
597	Sustainable and cascaded catalytic hairpin assembly for amplified sensing of microRNA biomarkers in living cells. *Biosensors and Bioelectronics*, **2022**, 197, 113809	11.8	2
596	A novel self-enhancement NCNDs-BPEI-Ru nanocomposite with highly efficient electrochemiluminescence as signal probe for ultrasensitive detection of MTB. *Sensors and Actuators B: Chemical*, **2022**, 354, 131252	8.5	0
595	A target-initiated autocatalytic 3D DNA nanomachine for high-efficiency amplified detection of MicroRNA.. *Talanta*, **2022**, 240, 123219	6.2	
594	Highly sensitive photoelectrochemical biosensor based on Au nanoparticles sensitized zinc selenide quantum dots for DNA detection. *Sensors and Actuators B: Chemical*, **2022**, 357, 131255	8.5	3
593	LAMP-H-responsive electrochemical ratiometric biosensor with minimized background signal for highly sensitive assay of specific short-stranded DNA. *Biosensors and Bioelectronics*, **2022**, 195, 113662	11.8	1
592	Electrochemiluminescence enhanced by isolating ACQphores in pyrene-based porous organic polymer: A novel ECL emitter for the construction of biosensing platform.. *Analytica Chimica Acta*, **2022**, 1206, 339648	6.6	0
591	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
590	Cascaded and nonlinear DNA assembly amplification for sensitive and aptamer-based detection of kanamycin.. *Analytica Chimica Acta*, **2022**, 1204, 339730	6.6	1
589	Mismatch-fueled catalytic hairpin assembly mediated ultrasensitive biosensor for rapid detection of MicroRNA.. *Analytica Chimica Acta*, **2022**, 1204, 339663	6.6	0
588	An ultrasensitive electrochemical biosensor with amplification of highly efficient triple catalytic hairpin assembly and tetris hybridization chain reaction. *Sensors and Actuators B: Chemical*, **2022**, 361, 131683	8.5	0

587	Potentially tunable ratiometric electrochemiluminescence sensing based on conjugated polymer nanoparticle for organophosphorus pesticides detection.. *Journal of Hazardous Materials*, **2022**, 432, 128699	12.8	1
586	Enhanced cathodic photocurrent derived from N-type S doped-BiWO nanoparticles through an antenna-like strategy for photoelectrochemical biosensor.. *Biosensors and Bioelectronics*, **2022**, 207, 114176	11.8	1
585	Conductive NiCo bimetal-organic framework nanorods with conductivity-enhanced electrochemiluminescence for constructing biosensing platform. *Sensors and Actuators B: Chemical*, **2022**, 362, 131802	8.5	0
584	Electrochemiluminescence covalent organic framework coupling with CRISPR/Cas12a-mediated biosensor for pesticide residue detection.. *Food Chemistry*, **2022**, 389, 133049	8.5	0
583	Antibody-powered lighting-up fluorescence immunosensor based on hemin/G-quadruplex-quenched DNA-hosted dual silver nanoclusters as emitters. *Sensors and Actuators B: Chemical*, **2022**, 366, 131976	8.5	0
582	Gap controlled self-assembly Au@Ag@Au NPs for SERS assay of thiram.. *Food Chemistry*, **2022**, 390, 133164	8.5	1
581	Dual-emitting BP-CdTe QDs coupled with dual-function moderator TiO2 NSs for electrochemiluminescence ratio bioassay. *Biosensors and Bioelectronics*, **2022**, 212, 114420	11.8	1
580	Target-triggered tertiary amplifications for sensitive and label-free protein detection based on lighting-up RNA aptamer transcriptions. *Analytica Chimica Acta*, **2022**, 1217, 340028	6.6	0
579	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
578	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
577	Amplifiable ratiometric fluorescence biosensing of nanosilver multiclusters populated in three-way-junction DNA branches.. *Biosensors and Bioelectronics*, **2021**, 199, 113871	11.8	0
576	A photoelectrochemical biosensor based on methylene blue sensitized BiOI for sensitive detection of PSA. *Chemical Communications*, **2021**, 57, 12480-12483	5.8	0
575	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
574	MicroRNA-Triggered Deconstruction of Field-Free Spherical Nucleic Acid as an Electrochemiluminescence Biosensing Switch. *Analytical Chemistry*, **2021**, 93, 13928-13934	7.8	2
573	Dual 3D DNA Nanomachine-Mediated Catalytic Hairpin Assembly for Ultrasensitive Detection of MicroRNA. *Analytical Chemistry*, **2021**, 93, 13952-13959	7.8	6
572	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
571	The synchronization of multiple signal amplifications for label-free and sensitive aptamer-based sensing of a protein biomarker. *Analyst, The*, **2021**, 145, 7858-7863	5	2
570	Development of Hollow Electrochemiluminescent Nanocubes Combined with a Multisite-Anchored DNA Nanomachine for Mycotoxin Detection. *Analytical Chemistry*, **2021**, 93, 5301-5308	7.8	3

569	Ruthenium(II) Complex-Grafted Hollow Hierarchical Metal-Organic Frameworks with Superior Electrochemiluminescence Performance for Sensitive Assay of Thrombin. *Analytical Chemistry*, **2021**, 93, 6239-6245	7.8	16
568	Convenient and highly sensitive electrochemical biosensor for monitoring acid phosphatase activity. *Sensors and Actuators B: Chemical*, **2021**, 332, 129483	8.5	6
567	Double Hairpin DNAs Recognition Induced a Novel Cascade Amplification for Highly Specific and Ultrasensitive Electrochemiluminescence Detection of DNA. *Analytical Chemistry*, **2021**, 93, 7987-7992	7.8	6
566	High-Fidelity and Simultaneous Sensing of Endogenous Mutant and Wild p53 Proteins for Precise Cancer Diagnosis and Drug Screening. *Analytical Chemistry*, **2021**, 93, 8084-8090	7.8	6
565	Target Recycling Transcription of Lighting-Up RNA Aptamers for Highly Sensitive and Label-Free Detection of ATP. *Journal of Analysis and Testing*, **2021**, 5, 174	3.2	1
564	Electrochemiluminescence from a biocatalysis accelerated N-(aminobutyl)-N-(ethylisoluminol)/dissolved O system for microRNA detection. *Mikrochimica Acta*, **2021**, 188, 205	5.8	1
563	Bifunctional Moderator-Powered Ratiometric Electrochemiluminescence Enzymatic Biosensors for Detecting Organophosphorus Pesticides Based on Dual-Signal Combined Nanoprobes. *Analytical Chemistry*, **2021**,	7.8	12
562	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
561	A sensitive label-free photoelectrochemical aptasensor based on a novel PTB7-Th/HO system with unexpected photoelectric performance for C-reactive protein analysis. *Biosensors and Bioelectronics* , **2021**, 181, 113162	11.8	3
560	A novel SERS substrate with high reusability for sensitive detection of miRNA 21. *Talanta*, **2021**, 228, 122240	6.2	7
559	DNA Structure-Stabilized Liquid-Liquid Self-Assembled Ordered Au Nanoparticle Interface for Sensitive Detection of MiRNA 155. *Analytical Chemistry*, **2021**, 93, 11019-11024	7.8	6
558	Ag/TiO2 nanocomposites as a novel SERS substrate for construction of sensitive biosensor. *Sensors and Actuators B: Chemical*, **2021**, 339, 129843	8.5	17
557	Ultrasensitive Detection of Amyloid □Oligomers Based on the "DD-A" FRET Binary Probes and Quadrivalent Cruciform DNA Nanostructure-Mediated Cascaded Amplifier. *ACS Applied Materials & Interfaces*, **2021**, 13, 32013-32021	9.5	2
556	Engineering a Rolling-Circle Strand Displacement Amplification Mediated Label-Free Ultrasensitive Electrochemical Biosensing Platform. *Analytical Chemistry*, **2021**, 93, 9568-9574	7.8	5
555	High-Efficient Electrochemiluminescence of Au Nanoclusters Induced by the Electrosensitizer CuO: The Mechanism Insights from the Electrogenerated Process. *Analytical Chemistry*, **2021**, 93, 10212-10219	7.8	6
554	Constructing 3D MoO2/N-doped carbon composites with amorphous nanowires and crystalline nanoparticles for high Li storage capacity. *Powder Technology*, **2021**, 377, 281-288	5.2	7
553	In situ formation of G-quadruplex/hemin nanowires for sensitive and label-free electrochemical sensing of acid phosphatase. *Sensors and Actuators B: Chemical*, **2021**, 330, 129272	8.5	6
552	A novel potential-regulated ratiometric electrochemiluminescence sensing strategy based on poly(9,9-di-n-octylfluorenyl-2,7-diyl) polymer nanoparticles for microRNA detection. *Sensors and Actuators B: Chemical*, **2021**, 329, 129210	8.5	6

551	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
550	Electrochemiluminescence biosensor based on a 3D DNA walking nanomachine with a powerful payload capacity. *Sensors and Actuators B: Chemical*, **2021**, 330, 129337	8.5	1
549	Two kinds of DNA enzyme-powered bidirectional one-dimensional DNA walking nanomachine for payload release and biosensing. *Biosensors and Bioelectronics*, **2021**, 175, 112848	11.8	3
548	A new photoelectrochemical biosensor based on FeOOH and exonuclease III-aided dual recycling signal amplification for HPV-16 detection. *Chemical Communications*, **2021**, 57, 6416-6419	5.8	0
547	Defect engineering of In2S3 nanoflowers through tungsten doping for ultrasensitive visible-light-excited photoelectrochemical sensors. *Journal of Materials Chemistry C*, **2021**, 9, 7384-7391	7.1	5
546	Co-catalytic Fc/HGQs/FeO nanocomposite mediated enzyme-free electrochemical biosensor for ultrasensitive detection of MicroRNA. *Chemical Communications*, **2021**, 57, 5179-5182	5.8	4
545	Highly efficient electrochemiluminescence resonance energy transfer material constructed from an AIEgen-based 2D ultrathin metal-organic layer for thrombin detection. *Chemical Communications*, **2021**, 57, 4323-4326	5.8	6
544	Self-Assembly of Gold Nanoclusters into a Metal-Organic Framework with Efficient Electrochemiluminescence and Their Application for Sensitive Detection of Rutin. *Analytical Chemistry*, **2021**, 93, 3445-3451	7.8	13
543	Highly Stable Covalent Organic Framework Nanosheets as a New Generation of Electrochemiluminescence Emitters for Ultrasensitive MicroRNA Detection. *Analytical Chemistry*, **2021**, 93, 3258-3265	7.8	24
542	Swing Arm Location-Controllable DNA Walker for Electrochemiluminescence Biosensing. *Analytical Chemistry*, **2021**, 93, 4051-4058	7.8	8
541	Crystallization-Induced Enhanced Electrochemiluminescence from Tetraphenyl Alkene Nanocrystals for Ultrasensitive Sensing. *Analytical Chemistry*, **2021**, 93, 10890-10897	7.8	6
540	A novel self-enhanced carbon nitride platform coupled with highly effective dual-recycle strand displacement amplifying strategy for sensitive photoelectrochemical assay. *Biosensors and Bioelectronics*, **2021**, 184, 113227	11.8	2
539	3D DNA Scaffold-Assisted Dual Intramolecular Amplifications for Multiplexed and Sensitive MicroRNA Imaging in Living Cells. *Analytical Chemistry*, **2021**, 93, 9912-9919	7.8	10
538	Ratiometric electrochemiluminescence biosensor based on Ir nanorods and CdS quantum dots for the detection of organophosphorus pesticides. *Sensors and Actuators B: Chemical*, **2021**, 341, 130008	8.5	11
537	Cu-doped In2S3 based DNA nanocluster for ultrasensitive photoelectrochemical detection of VEGF165. *Sensors and Actuators B: Chemical*, **2021**, 340, 129942	8.5	4
536	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
535	Antibody-Responsive Ratiometric Fluorescence Biosensing of Biemissive Silver Nanoclusters Wrapped in Switchable DNA Tweezers. *Analytical Chemistry*, **2021**, 93, 11634-11640	7.8	5
534	Overcoming Aggregation-Induced Quenching by Metal-Organic Framework for Electrochemiluminescence (ECL) Enhancement: Zn-PTC as a New ECL Emitter for Ultrasensitive MicroRNAs Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 44079-44085	9.5	5

533	Photoelectrochemical Assay Based on SnO/BiOBr p-n Heterojunction for Ultrasensitive DNA Detection. *Analytical Chemistry*, **2021**, 93, 12995-13000	7.8	3
532	Versatile Luminol/Dissolved Oxygen/Fe@FeO Nanowire Ternary Electrochemiluminescence System Combined with Highly Efficient Strand Displacement Amplification for Ultrasensitive microRNA Detection. *Analytical Chemistry*, **2021**, 93, 13334-13341	7.8	11
531	A SERS biosensor constructed by calcined ZnO substrate with high-efficiency charge transfer for sensitive detection of Pb2+. *Sensors and Actuators B: Chemical*, **2021**, 343, 130142	8.5	9
530	Novel Ratiometric Electrochemiluminescence Biosensor Based on BP-CdTe QDs with Dual Emission for Detecting MicroRNA-126. *Analytical Chemistry*, **2021**, 93, 12400-12408	7.8	13
529	DNA Three-Way Junction with Multiple Recognition Regions Mediated an Unconfined DNA Walker for Electrochemical Ultrasensitive Detection of miRNA-182-5p. *Analytical Chemistry*, **2021**, 93, 12981-12986	7.8	8
528	Target-triggered autocatalytic sequence recycling for sensitive and simultaneous detection of microRNA and mRNA via multi-donor iFRET signal amplification. *Sensors and Actuators B: Chemical*, **2021**, 345, 130351	8.5	2
527	Modular engineering of gold-silver nanocluster supermolecular structure endow strong electrochemiluminescence for ultrasensitive bioanalysis. *Biosensors and Bioelectronics*, **2021**, 190, 113449	11.8	4
526	No-nonspecific recognition-based amplification strategy for endonuclease activity screening with dual-color DNA nano-clew. *Biosensors and Bioelectronics*, **2021**, 190, 113446	11.8	0
525	Amplified electrochemical biosensing based on bienzymatic cascade catalysis confined in a functional DNA structure. *Talanta*, **2021**, 234, 122643	6.2	
524	Dual catalytic hairpin assembly and enzyme cascade catalysis amplification based sensitive dual-mode biosensor with significantly enhanced opposite signal readout. *Sensors and Actuators B: Chemical*, **2021**, 348, 130676	8.5	1
523	Antibody-powered DNA switches to initiate the hybridization chain reaction for the amplified fluorescence immunoassay. *Analyst, The*, **2021**, 146, 5067-5073	5	
522	Two Birds with One Stone: Surface Functionalization and Delamination of Multilayered TiCT MXene by Grafting a Ruthenium(II) Complex to Achieve Conductivity-Enhanced Electrochemiluminescence. *Analytical Chemistry*, **2021**, 93, 1834-1841	7.8	13
521	Programmable High-Speed and Hyper-Efficiency DNA Signal Magnifier.. *Advanced Science*, **2021**, e2104084	15.6	3
520	Liquid Phase Interfacial Surface-Enhanced Raman Scattering Platform for Ratiometric Detection of MicroRNA 155. *Analytical Chemistry*, **2020**, 92, 15573-15578	7.8	12
519	In Situ Formation of Multifunctional DNA Nanospheres for a Sensitive and Accurate Dual-Mode Biosensor for Photoelectrochemical and Electrochemical Assay. *Analytical Chemistry*, **2020**, 92, 8364-8370	7.8	30
518	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
517	Tetrakis(4-aminophenyl) ethene-doped perylene microcrystals with strong electrochemiluminescence for biosensing applications. *Analyst, The*, **2020**, 145, 5260-5265	5	
516	High-Efficiency CNNS@NH-MIL(Fe) Electrochemiluminescence Emitters Coupled with TiC Nanosheets as a Matrix for a Highly Sensitive Cardiac Troponin I Assay. *Analytical Chemistry*, **2020**, 92, 8992-9000	7.8	28

515	A novel electrochemiluminescence biosensor based on the self-ECL emission of conjugated polymer dots for lead ion detection. *Mikrochimica Acta*, **2020**, 187, 237	5.8	9
514	Double-site DNA walker based ternary electrochemiluminescent biosensor. *Talanta*, **2020**, 219, 121274	6.2	6
513	An orbitron-like 3D DNA clip-based nanomachine and its application for sensitive fluorescent bioassay of MicroRNA. *Analytica Chimica Acta*, **2020**, 1126, 24-30	6.6	
512	Intense electrochemiluminescence from an organic microcrystal accelerated HO-free luminol system for microRNA detection. *Chemical Communications*, **2020**, 56, 9000-9003	5.8	8
511	Proximity ligation-responsive catalytic hairpin assembly-guided DNA dendrimers for synergistically amplified electrochemical biosensing. *Sensors and Actuators B: Chemical*, **2020**, 322, 128566	8.5	6
510	Sulfur-functionalized zirconium(IV)-based metal-organic frameworks relieves aggregation-caused quenching effect in efficient electrochemiluminescence sensor. *Sensors and Actuators B: Chemical*, **2020**, 321, 128531	8.5	3
509	Aggregation-Induced Synergism by Hydrophobic-Driven Self-Assembly of Amphiphilic Oligonucleotides. *Chemistry - A European Journal*, **2020**, 26, 8767-8773	4.8	2
508	An AIEgen-based 2D ultrathin metal-organic layer as an electrochemiluminescence platform for ultrasensitive biosensing of carcinoembryonic antigen. *Nanoscale*, **2020**, 12, 5932-5941	7.7	43
507	DNA branched junctions induced the enhanced fluorescence recovery of FAM-labeled probes on rGO for detecting Pb. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 2455-2463	4.4	9
506	A novel potential-resolved electrochemiluminescence immunosensor for the simultaneous determination of brain natriuretic peptide and cardiac troponin I. *Sensors and Actuators B: Chemical*, **2020**, 311, 127934	8.5	13
505	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
504	Autocatalytic replicated Mg2+-ligation DNAzyme as robust biocatalyst for sensitive, label-free and enzyme-free electrochemical biosensing of protein. *Sensors and Actuators B: Chemical*, **2020**, 310, 127862	8.5	8
503	Restriction of intramolecular motions (RIM) by metal-organic frameworks for electrochemiluminescence enhancement:2D Zr-adb nanoplate as a novel ECL tag for the construction of biosensing platform. *Biosensors and Bioelectronics*, **2020**, 155, 112099	11.8	18
502	Matrix Coordination-Induced Electrochemiluminescence Enhancement of Tetraphenylethylene-Based Hafnium Metal-Organic Framework: An Electrochemiluminescence Chromophore for Ultrasensitive Electrochemiluminescence Sensor Construction. *Analytical Chemistry*, **2020**, 92, 3380-3387	7.8	55
501	Electrochemical biomolecule detection based on the regeneration of high-efficiency cascade catalysis for bifunctional nanozymes. *Chemical Communications*, **2020**, 56, 2276-2279	5.8	8
500	Covalent organic frameworks as micro-reactors: confinement-enhanced electrochemiluminescence. *Chemical Science*, **2020**, 11, 5410-5414	9.4	22
499	-Generated Multivalent Aptamer Network for Efficient Capture and Sensitive Electrochemical Detection of Circulating Tumor Cells in Whole Blood. *Analytical Chemistry*, **2020**, 92, 7893-7899	7.8	31
498	Highly Sensitive Photoelectrochemical Biosensor Based on Quantum Dots Sensitizing BiTe Nanosheets and DNA-Amplifying Strategies. *ACS Applied Materials & Interfaces*, **2020**, 12, 22624-22629	8.5	31

497	A coreactant-free electrochemiluminescence (ECL) biosensor based on in situ generating quencher for the ultrasensitive detection of microRNA. *Sensors and Actuators B: Chemical*, **2020**, 316, 128139	8.5	11
496	An efficient, label-free and sensitive electrochemical microRNA sensor based on target-initiated catalytic hairpin assembly of trivalent DNAzyme junctions. *Sensors and Actuators B: Chemical*, **2020**, 304, 127068	8.5	23
495	An ultrasensitive sensing platform for microRNA-155 based on HO quenched hydroxide-dependent ECL emission of PFO Pdots. *Biosensors and Bioelectronics*, **2020**, 150, 111872	11.8	15
494	Porous SiO2@Ni@C and Au nanocages as surface-enhanced Raman spectroscopy platform with use of DNA structure switching for sensitive detection of uracil DNA glycolase. *Sensors and Actuators B: Chemical*, **2020**, 304, 127273	8.5	6
493	One DNA circle capture probe with multiple target recognition domains for simultaneous electrochemical detection of miRNA-21 and miRNA-155. *Biosensors and Bioelectronics*, **2020**, 149, 111848	11.8	46
492	Target-induced autonomous synthesis of G-quadruplex sequences for label-free and amplified fluorescent aptasensing of mucin 1. *Sensors and Actuators B: Chemical*, **2020**, 304, 127351	8.5	9
491	3D Matrix-Arranged AuAg Nanoclusters As Electrochemiluminescence Emitters for Click Chemistry-Driven Signal Switch Bioanalysis. *Analytical Chemistry*, **2020**, 92, 2566-2572	7.8	14
490	A well-directional three-dimensional DNA walking nanomachine that runs in an orderly manner. *Chemical Science*, **2020**, 11, 2193-2199	9.4	10
489	MnO MFs as a coreaction accelerator for the construction of a novel ternary electrochemiluminescence system: ultrasensitive detection of microRNA. *Chemical Communications* , **2020**, 56, 976-979	5.8	4
488	Programmable mismatch-fueled high-efficiency DNA signal converter. *Chemical Science*, **2020**, 11, 148-153	9.4	19
487	Efficient and Exponential Rolling Circle Amplification Molecular Network Leads to Ultrasensitive and Label-Free Detection of MicroRNA. *Analytical Chemistry*, **2020**, 92, 2074-2079	7.8	30
486	Target-mediated base-mismatch initiation of a non-enzymatic signal amplification network for highly sensitive sensing of Hg. *Analyst, The*, **2020**, 145, 507-512	5	4
485	Adenosine triphosphate responsive metal-organic frameworks equipped with a DNA structure lock for construction of a ratiometric SERS biosensor. *Chemical Communications*, **2020**, 56, 1413-1416	5.8	19
484	Target-dependent dual strand extension recycling amplifications for non-label and ultrasensitive sensing of serum microRNA. *Talanta*, **2020**, 210, 120651	6.2	3
483	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
482	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
481	Lattice-Like DNA Tetrahedron Nanostructure as Scaffold to Locate GOx and HRP Enzymes for Highly Efficient Enzyme Cascade Reaction. *ACS Applied Materials & Interfaces*, **2020**, 12, 2871-2877	9.5	13
480	Lighting-up RNA aptamer transcription synchronization amplification for ultrasensitive and label-free imaging of microRNA in single cells. *Analytica Chimica Acta*, **2020**, 1102, 84-90	6.6	10

479	Coupling strand extension/excision amplification with target recycling enables highly sensitive and aptamer-based label-free sensing of ATP in human serum. *Analyst, The*, **2020**, 145, 434-439	5	6
478	The combination of ternary electrochemiluminescence system of g-CN nanosheet/TEA/Cu@CuO and G-quadruplex-driven regeneration strategy for ultrasensitive bioanalysis. *Biosensors and Bioelectronics*, **2020**, 152, 112006	11.8	18
477	Encapsulation and Release of Recognition Probes Based on a Rigid Three-Dimensional DNA "Nanosafe-box" for Construction of a Electrochemical Biosensor. *Analytical Chemistry*, **2020**, 92, 1811-1817	7.8	5
476	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
475	Polymerization nicking-triggered LAMP cascades enable exceptional signal amplification for aptamer-based label-free detection of trace proteins in human serum. *Analytica Chimica Acta*, **2020**, 1098, 164-169	6.6	8
474	Sensitive immunosensor based on high effective resonance energy transfer of lucigenin to the cathodic electrochemiluminescence of tris(bipyridine) Ru(II) complex. *Biosensors and Bioelectronics*, **2020**, 150, 111915	11.8	2
473	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
472	Coreactant-free electrochemiluminescence biosensor for the determination of organophosphorus pesticides. *Biosensors and Bioelectronics*, **2020**, 150, 111898	11.8	25
471	Synthesizing anode electrochemiluminescent self-catalyzed carbon dots-based nanocomposites and its application in sensitive ECL biosensor for microRNA detection. *Sensors and Actuators B: Chemical*, **2020**, 305, 127490	8.5	18
470	Novel Single-Enzyme-Assisted Dual Recycle Amplification Strategy for Sensitive Photoelectrochemical MicroRNA Assay. *Analytical Chemistry*, **2020**, 92, 14550-14557	7.8	19
469	High-Efficient Electrochemiluminescence of BCNO Quantum Dot-Equipped Boron Active Sites with Unexpected Catalysis for Ultrasensitive Detection of MicroRNA. *Analytical Chemistry*, **2020**, 92, 14723-14729	7.8	12
468	Ultrasensitive Photoelectrochemical Assay for DNA Detection Based on a Novel SnS/CoO Sensitized Structure. *Analytical Chemistry*, **2020**, 92, 14769-14774	7.8	29
467	Rapid self-disassembly of DNA diblock copolymer micelles via target induced hydrophilic-hydrophobic regulation for sensitive MiRNA detection. *Chemical Communications*, **2020**, 56, 10215-10218	5.8	5
466	An Affinity-Enhanced DNA Intercalator with Intense ECL Embedded in DNA Hydrogel for Biosensing Applications. *Analytical Chemistry*, **2020**, 92, 11044-11052	7.8	20
465	Target-triggered configuration change of DNA tetrahedron for SERS assay of microRNA 122. *Mikrochimica Acta*, **2020**, 187, 460	5.8	4
464	Biodegradable nanoparticle-assisted and multiplexed imaging of asymmetric RNA expressions in live cells for precise cancer diagnosis and prognosis. *Nanoscale*, **2020**, 12, 24100-24106	7.7	1
463	Targeted Delivery of DNA Framework-Encapsulated Native Therapeutic Protein into Cancer Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 54489-54496	9.5	6
462	Targeted DNA-driven catalytic assembly light-up ratiometric fluorescence of biemissive silver nanoclusters for amplified biosensing. *Chemical Communications*, **2020**, 56, 10325-10328	5.8	7

461	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
460	Targeted and direct intracellular delivery of native DNAzymes enables highly specific gene silencing. *Chemical Science*, **2020**, 11, 8966-8972	9.4	4
459	Hydrophobic-Driven Electrochemiluminescence Enhancement Target-Induced Self-Enrichment for Ultrasensitive Bioassay. *Analytical Chemistry*, **2020**, 92, 15120-15128	7.8	9
458	Ultrasensitive Electrochemiluminescence Biosensor Using Sulfur Quantum Dots as an Emitter and an Efficient DNA Walking Machine with Triple-Stranded DNA as a Signal Amplifier. *Analytical Chemistry*, **2020**, 92, 15112-15119	7.8	23
457	Enhancing photoelectrochemical performance of ZnInS by phosphorus doping for sensitive detection of miRNA-155. *Chemical Communications*, **2020**, 56, 14275-14278	5.8	8
456	Simple and Regulable DNA Dimer Nanodevice to Arrange Cascade Enzymes for Sensitive Electrochemical Biosensing. *Analytical Chemistry*, **2020**, 92, 14197-14202	7.8	4
455	DNA branch migration amplification cascades for enzyme-free and non-label aptamer sensing of mucin 1. *Analyst, The*, **2020**, 145, 6085-6090	5	0
454	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
453	Guanine-Lighting-Up Fluorescence Biosensing of Silver Nanoclusters Populated in Functional DNA Constructs by a pH-Triggered Switch. *Analytical Chemistry*, **2020**, 92, 13369-13377	7.8	13
452	Fullerenol as a photoelectrochemical nanoprobe for discrimination and ultrasensitive detection of amplification-free single-stranded DNA. *Biosensors and Bioelectronics*, **2020**, 173, 112802	11.8	9
451	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
450	A DNA nanopillar as a scaffold to regulate the ratio and distance of mimic enzymes for an efficient cascade catalytic platform. *Chemical Science*, **2020**, 12, 407-411	9.4	8
449	Highly specific and sensitive point-of-care detection of rare circulating tumor cells in whole blood via a dual recognition strategy. *Biosensors and Bioelectronics*, **2019**, 143, 111604	11.8	10
448	Novel D-A-D-Type Supramolecular Aggregates with High Photoelectric Activity for Construction of Ultrasensitive Photoelectrochemical Biosensor. *Analytical Chemistry*, **2019**, 91, 12468-12475	7.8	16
447	Dependent signal quenching and enhancing triggered by bipedal DNA walker for ultrasensitive photoelectrochemical biosensor. *Biosensors and Bioelectronics*, **2019**, 143, 111618	11.8	20
446	Construction of a Z-scheme g-CN/Ag/AgI heterojunction for highly selective photoelectrochemical detection of hydrogen sulfide. *Chemical Communications*, **2019**, 55, 11940-11943	5.8	27
445	Wavelength distinguishable signal quenching and enhancing toward photoactive material 3,4,9,10-perylenetetracarboxylic dianhydride for simultaneous assay of dual metal ions. *Biosensors and Bioelectronics*, **2019**, 145, 111702	11.8	7
444	A Dynamic DNA Machine via Free Walker Movement on Lipid Bilayer for Ultrasensitive Electrochemiluminescent Bioassay. *Analytical Chemistry*, **2019**, 91, 14125-14132	7.8	21

443	Silver ion-stabilized DNA triplexes for completely enzyme-free and sensitive fluorescence detection of transcription factors via catalytic hairpin assembly amplification. *Journal of Materials Chemistry B*, **2019**, 7, 763-767	7.3	9
442	Ultrasensitive Photoelectrochemical Detection of Multiple Metal Ions Based on Wavelength-Resolved Dual-Signal Output Triggered by Click Reaction. *Analytical Chemistry*, **2019**, 91, 2861-2868	7.8	33
441	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
440	Reversible and Distance-Controllable DNA Scissor: A Regenerated Electrochemiluminescence Biosensing Platform for Ultrasensitive Detection of MicroRNA. *Analytical Chemistry*, **2019**, 91, 3239-3245	7.8	29
439	Versatile and Ultrasensitive Electrochemiluminescence Biosensor for Biomarker Detection Based on Nonenzymatic Amplification and Aptamer-Triggered Emitter Release. *Analytical Chemistry*, **2019**, 91, 3452-3458	7.8	59
438	[Ru(dcbpy) dppz] /Fullerene Cosensitized PTB7-Th for Ultrasensitive Photoelectrochemical MicroRNA Assay. *Chemistry - A European Journal*, **2019**, 25, 4087-4092	4.8	8
437	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
436	Electrocatalytic Efficiency Regulation between Target-Induced HRP-Mimicking DNAzyme and GOx with Low Background for Ultrasensitive Detection of Thrombin. *Analytical Chemistry*, **2019**, 91, 10289-10294	7.8	20
435	p-n-Sensitized Heterostructure CoO/Fullerene with Highly Efficient Photoelectrochemical Performance for Ultrasensitive DNA Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 23765-23772	8.5	38
434	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
433	C@CN nanocomposites as quencher for signal-off photoelectrochemical aptasensor with Au nanoparticle decorated perylene tetracarboxylic acid as platform. *Analytica Chimica Acta*, **2019**, 1077, 281-287	6.6	10
432	Three-Dimensional Cadmium Telluride Quantum Dots-DNA Nanoreticulation as a Highly Efficient Electrochemiluminescent Emitter for Ultrasensitive Detection of MicroRNA from Cancer Cells. *Analytical Chemistry*, **2019**, 91, 7765-7773	7.8	33
431	Programmed Dual-Functional DNA Tweezer for Simultaneous and Recognizable Fluorescence Detection of microRNA and Protein. *Analytical Chemistry*, **2019**, 91, 7782-7789	7.8	37
430	Hairpin/DNA ring ternary probes for highly sensitive detection and selective discrimination of microRNA among family members. *Analytica Chimica Acta*, **2019**, 1076, 138-143	6.6	14
429	A highly sensitive photoelectrochemical VEGF biosensor with a dual signal amplification strategy by using AgVO as a photoactive material. *Chemical Communications*, **2019**, 55, 8076-8078	5.8	16
428	Highly sensitive biosensor based on target induced dual signal amplification to electrochemiluminescent nanoneedles of Ru(II) complex. *Biosensors and Bioelectronics*, **2019**, 140, 111344	11.8	9
427	Ruthenium complex doped metal-organic nanoplate with high electrochemiluminescent intensity and stability for ultrasensitive assay of mucin 1. *Sensors and Actuators B: Chemical*, **2019**, 292, 105-110	8.5	17
426	Simple label-free and sensitive fluorescence determination of human 8-oxoG DNA glycosylase 1 activity and inhibition via TdT-assisted sequence extension amplification. *New Journal of Chemistry*, **2019**, 43, 8260-8265	3.6	1

425	A novel fluorescent assay for the ultrasensitive detection of miRNA-21 with the use of G-quadruplex structures as an immobilization material for a signal indicator. *Chemical Communications*, **2019**, 55, 6453-6456	5.8	20
424	Controllable synthesis of 3D nitrogen-doped carbon networks supported Sn P nanoparticles as high performance anode for lithium ion batteries. *Applied Surface Science*, **2019**, 484, 899-905	6.7	10
423	A highly sensitive self-enhanced aptasensor based on a stable ultrathin 2D metal-organic layer with outstanding electrochemiluminescence property. *Nanoscale*, **2019**, 11, 10056-10063	7.7	22
422	A novel ratiometric SERS biosensor with one Raman probe for ultrasensitive microRNA detection based on DNA hydrogel amplification. *Journal of Materials Chemistry B*, **2019**, 7, 2643-2647	7.3	23
421	Ultrasensitive Electrochemiluminescence Biosensor for Speedy Detection of microRNA Based on a DNA Rolling Machine and Target Recycling. *Analytical Chemistry*, **2019**, 91, 4883-4888	7.8	35
420	CdTe QD-CeO Complex as a Strong Photoelectrochemical Signal Indicator for the Ultrasensitive microRNA Assay. *ACS Applied Materials & Interfaces*, **2019**, 11, 11834-11840	9.5	28
419	Near-infrared aggregation-induced enhanced electrochemiluminescence from tetraphenylethylene nanocrystals: a new generation of ECL emitters. *Chemical Science*, **2019**, 10, 4497-4501	9.4	85
418	Highly stable Ru-complex-grafted 2D metal-organic layer with superior electrochemiluminescent efficiency as a sensing platform for simple and ultrasensitive detection of mucin 1. *Biosensors and Bioelectronics*, **2019**, 135, 95-101	11.8	32
417	FeS2@AuNPs Nanocomposite as Mimicking Enzyme for Constructing Signal-off Sandwich-type Electrochemical Immunosensor Based on Electroactive Nickel Hexacyanoferrate as Matrix. *Electroanalysis*, **2019**, 31, 1019-1025	3	7
416	Photoelectrochemical aptamer-based sensing of the vascular endothelial growth factor by adjusting the light harvesting efficiency of g-CN via porous carbon spheres. *Mikrochimica Acta*, **2019**, 186, 275	5.8	11
415	Programming a Target-Initiated Bifunctional DNAzyme Nanodevice for Sensitive Ratiometric Electrochemical Biosensing. *Analytical Chemistry*, **2019**, 91, 6127-6133	7.8	31
414	An ultrasensitive electrochemiluminescence biosensor for MicroRNA detection based on luminol-functionalized Au NPs@ZnO nanomaterials as signal probe and dissolved O as coreactant. *Biosensors and Bioelectronics*, **2019**, 135, 8-13	11.8	38
413	Highly-efficient luminol immobilization approach and exponential strand displacement reaction based electrochemiluminescent strategy for monitoring microRNA expression in cell. *Biosensors and Bioelectronics*, **2019**, 132, 62-67	11.8	14
412	Programmable DNA Ring/Hairpin-Constrained Structure Enables Ligation-Free Rolling Circle Amplification for Imaging mRNAs in Single Cells. *Analytical Chemistry*, **2019**, 91, 3628-3635	7.8	29
411	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
410	Melamine-Mediated Base Mismatch for Label-Free and Amplified Sensitive Fluorescent Detection of Melamine in Milk. *Food Analytical Methods*, **2019**, 12, 1255-1261	3.4	4
409	Target-induced structure switching of aptamers facilitates strand displacement for DNAzyme recycling amplification detection of thrombin in human serum. *Analyst, The*, **2019**, 144, 2430-2435	5	14
408	Mismatched catalytic hairpin assembly and ratiometric strategy for highly sensitive electrochemical detection of microRNA from tumor cells. *Sensors and Actuators B: Chemical*, **2019**, 286, 191-197	8.5	35

407	Programming cascaded recycling amplifications for highly sensitive and label-free electrochemical sensing of transcription factors in tumor cells. *Biosensors and Bioelectronics*, **2019**, 142, 111574	11.8	8
406	A photoelectrochemical biosensor based on fullerene with methylene blue as a sensitizer for ultrasensitive DNA detection. *Biosensors and Bioelectronics*, **2019**, 142, 111579	11.8	31
405	A zirconium-based metal-organic framework sensitized by thioflavin-T for sensitive photoelectrochemical detection of C-reactive protein. *Chemical Communications*, **2019**, 55, 10772-10775	5.8	17
404	A multi-recycling amplification-based sensor for label-free and highly sensitive detection of telomerase from cancer cells. *Analytica Chimica Acta*, **2019**, 1086, 116-121	6.6	5
403	Novel ABEI/Dissolved O/AgBiO Nanocrystals ECL Ternary System with High Luminous Efficiency for Ultrasensitive Determination of MicroRNA. *Analytical Chemistry*, **2019**, 91, 11447-11454	7.8	12
402	Netlike hybridization chain reaction assembly of DNA nanostructures enables exceptional signal amplification for sensing trace cytokines. *Nanoscale*, **2019**, 11, 16362-16367	7.7	11
401	BSA stabilized tetraphenylethylene nanocrystals as aggregation-induced enhanced electrochemiluminescence emitters for ultrasensitive microRNA assay. *Chemical Communications*, **2019**, 55, 9959-9962	5.8	19
400	Aptamer-Functionalized and Gold Nanoparticle Array-Decorated Magnetic Graphene Nanosheets Enable Multiplexed and Sensitive Electrochemical Detection of Rare Circulating Tumor Cells in Whole Blood. *Analytical Chemistry*, **2019**, 91, 10792-10799	7.8	53
399	High-sensitive electrochemiluminescent analysis based on co-reactive high-molecular polymer and dual catalysis to generate oxygen in situ. *Analytica Chimica Acta*, **2019**, 1081, 65-71	6.6	6
398	Ultrasensitive photoelectrochemical biosensor for MiRNA-21 assay based on target-catalyzed hairpin assembly coupled with distance-controllable multiple signal amplification. *Chemical Communications*, **2019**, 55, 9622-9625	5.8	10
397	An electrochemiluminescence biosensor for the detection of soybean agglutinin based on carboxylated graphitic carbon nitride as luminophore. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 6049-6056	4.4	8
396	DNA Cascade Reaction with High-Efficiency Target Conversion for Ultrasensitive Electrochemiluminescence microRNA Detection. *Analytical Chemistry*, **2019**, 91, 10258-10265	7.8	12
395	Coreactant-Free Dual Amplified Electrochemiluminescent Biosensor Based on Conjugated Polymer Dots for the Ultrasensitive Detection of MicroRNA. *ACS Applied Materials & Interfaces*, **2019**, 11, 27363-27370	9.5	40
394	A novel "signal on" photoelectrochemical strategy based on dual functional hemin for microRNA assay. *Chemical Communications*, **2019**, 55, 9721-9724	5.8	7
393	A fluorometric lead(II) assay by using a DNA dendrimer as a carrier for the immobilization of the signal probe. *Mikrochimica Acta*, **2019**, 186, 582	5.8	7
392	Target-induced steric hindrance protection of DNAzyme junctions for completely enzyme-free and amplified sensing of transcription factors. *Sensors and Actuators B: Chemical*, **2019**, 298, 126865	8.5	9
391	Supersensitive Photoelectrochemical Aptasensor Based on Br,N-Codoped TiO Sensitized by Quantum Dots. *Analytical Chemistry*, **2019**, 91, 10864-10869	7.8	34
390	A Novel Electrochemiluminescent Immunoassay Based on Target Transformation Assisted with Catalyzed Hairpin Assembly Amplification for the Ultrasensitive Bioassay. *ACS Applied Materials & Interfaces*, **2019**, 11, 31427-31433	9.5	11

389	Target-triggered activation of rolling circle amplification for label-free and sensitive fluorescent uracil-DNA glycosylase activity detection and inhibition. *Talanta*, **2019**, 204, 812-816	6.2	14
388	Highly Efficient Dual-Polar Electrochemiluminescence from Au Nanoclusters: The Next Generation of Multibiomarker Detection in a Single Step. *Analytical Chemistry*, **2019**, 91, 14618-14623	7.8	20
387	Target-Induced 3D DNA Network Structure as a Novel Signal Amplifier for Ultrasensitive Electrochemiluminescence Detection of MicroRNAs. *Analytical Chemistry*, **2019**, 91, 14368-14374	7.8	30
386	Antibody-responsive signal-off fluorescence of DNA-harbored silver nanoclusters for direct, rapid and sensitive immunoassay. *Sensors and Actuators B: Chemical*, **2019**, 301, 127148	8.5	5
385	Biomimetic 3D DNA Nanomachine via Free DNA Walker Movement on Lipid Bilayers Supported by Hard SiO@CdTe Nanoparticles for Ultrasensitive MicroRNA Detection. *Analytical Chemistry*, **2019**, 91, 14920-14926	7.8	26
384	Electrochemical lead(II) biosensor by using an ion-dependent split DNAzyme and a template-free DNA extension reaction for signal amplification. *Mikrochimica Acta*, **2019**, 186, 709	5.8	9
383	Determination of Alzheimer biomarker DNA by using an electrode modified with in-situ precipitated molybdophosphate catalyzed by alkaline phosphatase-encapsulated DNA hydrogel and target recycling amplification. *Mikrochimica Acta*, **2019**, 186, 158	5.8	9
382	Precise Regulation of Enzyme Cascade Catalytic Efficiency with DNA Tetrahedron as Scaffold for Ultrasensitive Electrochemical Detection of DNA. *Analytical Chemistry*, **2019**, 91, 3561-3566	7.8	31
381	Cascaded multiple recycling amplifications for aptamer-based ultrasensitive fluorescence detection of protein biomarkers. *Analyst, The*, **2019**, 144, 6635-6640	5	5
380	TiC/BiVO Schottky junction as a signal indicator for ultrasensitive photoelectrochemical detection of VEGF. *Chemical Communications*, **2019**, 55, 13729-13732	5.8	30
379	Bipedal DNA walker mediated enzyme-free exponential isothermal signal amplification for rapid detection of microRNA. *Chemical Communications*, **2019**, 55, 13932-13935	5.8	13
378	Ultrasensitive photoelectrochemical microRNA biosensor based on doxorubicin sensitized graphitic carbon nitride assisted by a target-activated enzyme-free DNA walker. *Chemical Communications*, **2019**, 55, 13082-13084	5.8	15
377	LAMP-generated H ions-induced dimer i-motif as signal transducer for ultrasensitive electrochemical detection of DNA. *Chemical Communications*, **2019**, 55, 12463-12466	5.8	18
376	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
375	DNA-Templated In Situ Synthesis of Highly Dispersed AuNPs on Nitrogen-Doped Graphene for Real-Time Electrochemical Monitoring of Nitric Oxide Released from Live Cancer Cells. *Analytical Chemistry*, **2019**, 91, 2273-2278	7.8	23
374	An ultrasensitive signal-on electrochemiluminescence biosensor based on Au nanoclusters for detecting acetylthiocholine. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 905-913	4.4	19
373	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
372	Strong Electrochemiluminescence from MOF Accelerator Enriched Quantum Dots for Enhanced Sensing of Trace cTnI. *Analytical Chemistry*, **2018**, 90, 3995-4002	7.8	110

371	An electrochemiluminescent sensor based on functionalized conjugated polymer dots for the ultrasensitive detection of Cu. *Chemical Communications*, **2018**, 54, 2777-2780	5.8	20
370	A robust, magnetic, and self-accelerated electrochemiluminescent nanosensor for ultrasensitive detection of copper ion. *Biosensors and Bioelectronics*, **2018**, 109, 109-115	11.8	25
369	A Highly Sensitive Photoelectrochemical Assay with Donor-Acceptor-Type Material as Photoactive Material and Polyaniline as Signal Enhancer. *Analytical Chemistry*, **2018**, 90, 6096-6101	7.8	42
368	Highly Stable Mesoporous Luminescence-Functionalized MOF with Excellent Electrochemiluminescence Property for Ultrasensitive Immunosensor Construction. *ACS Applied Materials & Interfaces*, **2018**, 10, 15913-15919	9.5	79
367	Pt incorporated mesoporous carbon spheres: controllable structure with enhanced catalytic activity and stability.. *RSC Advances*, **2018**, 8, 13964-13969	3.7	2
366	Polyacrylamide Gel-Contained Zinc Finger Peptide as the "Lock" and Zinc Ions as the "Key" for Construction of Ultrasensitive Prostate-Specific Antigen SERS Immunosensor. *ACS Applied Materials & Interfaces*, **2018**, 10, 15200-15206	9.5	14
365	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
364	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
363	Trimetallic Hybrid Nanoflower-Decorated MoS Nanosheet Sensor for Direct in Situ Monitoring of HO Secreted from Live Cancer Cells. *Analytical Chemistry*, **2018**, 90, 5945-5950	7.8	81
362	Programmable Modulation of Copper Nanoclusters Electrochemiluminescence via DNA Nanocranes for Ultrasensitive Detection of microRNA. *Analytical Chemistry*, **2018**, 90, 3543-3549	7.8	40
361	Highly sensitive electrochemical assay for Nosema bombycis gene DNA PTP1 via conformational switch of DNA nanostructures regulated by H from LAMP. *Biosensors and Bioelectronics*, **2018**, 106, 186-192	11.8	16
360	A metal ion-triggered and DNA-fueled molecular machine for amplified and sensitive fluorescent detection of Hg2+. *Sensors and Actuators B: Chemical*, **2018**, 259, 730-735	8.5	16
359	Self-enhanced PEI-Ru(II) complex with polyamino acid as booster to construct ultrasensitive electrochemiluminescence immunosensor for carcinoembryonic antigen detection. *Analytica Chimica Acta*, **2018**, 1001, 112-118	6.6	11
358	Electrochemical synthesis of silver nanoclusters on electrochemiluminescent resonance energy transfer amplification platform for Apo-A1 detection. *Talanta*, **2018**, 181, 32-37	6.2	30
357	Manganese porphyrin decorated on DNA networks as quencher and mimicking enzyme for construction of ultrasensitive photoelectrochemistry aptasensor. *Biosensors and Bioelectronics*, **2018**, 104, 21-26	11.8	33
356	Electrochemiluminescence Peptide-Based Biosensor with Hetero-Nanostructures as Coreaction Accelerator for the Ultrasensitive Determination of Tryptase. *Analytical Chemistry*, **2018**, 90, 2263-2270	7.8	63
355	Commercial glucometer as signal transducer for simple evaluation of DNA methyltransferase activity and inhibitors screening. *Analytica Chimica Acta*, **2018**, 1001, 18-23	6.6	10
354	In-situ carbonization for template-free synthesis of MoO2-Mo2C-C microspheres as high-performance lithium battery anode. *Chemical Engineering Journal*, **2018**, 337, 74-81	14.7	47

353	A novel electrochemiluminescent biosensor based on resonance energy transfer between poly(9,9-di-n-octylfluorenyl-2,7-diyl) and 3,4,9,10-perylenetetracar-boxylic acid for insulin detection. *Biosensors and Bioelectronics*, **2018**, 104, 65-71	11.8	29
352	A catalytic and dual recycling amplification ATP sensor based on target-driven allosteric structure switching of aptamer beacons. *Biosensors and Bioelectronics*, **2018**, 105, 1-5	11.8	30
351	Preparation of porous MoP-C microspheres without a hydrothermal process as a high capacity anode for lithium ion batteries. *Inorganic Chemistry Frontiers*, **2018**, 5, 1432-1437	6.8	14
350	An Electrochemical Assay Based on Acid-Induced Dissolution of Nanoparticles to Trigger Enzyme-Free Cleavage for Target Detection. *Journal of the Electrochemical Society*, **2018**, 165, B223-B228	3.9	7
349	A sensitive ratiometric electrochemiluminescence biosensor for hypoxanthine detection by in situ generation and consumption of coreactants. *Electrochimica Acta*, **2018**, 271, 173-179	6.7	14
348	Self-accelerated electrochemiluminescence emitters of Ag@SnO2 nanoflowers for sensitive detection of cardiac troponin T. *Electrochimica Acta*, **2018**, 271, 464-471	6.7	25
347	Highly sensitive electrochemiluminescence detection of mucin1 based on V2O5 nanospheres as peroxidase mimetics to catalyze H2O2 for signal amplification. *Sensors and Actuators B: Chemical*, **2018**, 265, 126-133	8.5	32
346	Stimuli-Responsive DNA Microcapsules for SERS Sensing of Trace MicroRNA. *ACS Applied Materials & Interfaces*, **2018**, 10, 12491-12496	9.5	34
345	Core-shell structured MnSiO supported with CNTs as a high capacity anode for lithium-ion batteries. *Dalton Transactions*, **2018**, 47, 5328-5334	4.3	10
344	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
343	Sensitive electrochemiluminescent immunosensor for diabetic nephropathy analysis based on tris(bipyridine) ruthenium(II) derivative with binary intramolecular self-catalyzed property. *Biosensors and Bioelectronics*, **2018**, 100, 35-40	11.8	30
342	Highly sensitive electrochemical nuclear factor kappa B aptasensor based on target-induced dual-signal ratiometric and polymerase-assisted protein recycling amplification strategy. *Biosensors and Bioelectronics*, **2018**, 102, 282-287	11.8	20
341	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
340	Ultrasensitive electrochemiluminescence biosensor for detection of laminin based on DNA dendrimer-carried luminophore and DNA nanomachine-mediated target recycling amplification. *Biosensors and Bioelectronics*, **2018**, 101, 206-212	11.8	28
339	A highly sensitive VEGF photoelectrochemical biosensor fabricated by assembly of aptamer bridged DNA networks. *Biosensors and Bioelectronics*, **2018**, 101, 213-218	11.8	59
338	A ratiometric electrochemiluminescent biosensor for Con A detecting based on competition of dissolved oxygen. *Biosensors and Bioelectronics*, **2018**, 120, 40-46	11.8	22
337	Aptamer proximity recognition-dependent strand translocation for enzyme-free and amplified fluorescent detection of thrombin via catalytic hairpin assembly. *Analytica Chimica Acta*, **2018**, 1038, 126-131	6.6	21
336	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

335	Ternary Electrochemiluminescence Nanostructure of Au Nanoclusters as a Highly Efficient Signal Label for Ultrasensitive Detection of Cancer Biomarkers. *Analytical Chemistry*, **2018**, 90, 10024-10030	7.8	59
334	Novel 2D-DNA-Nanoprobe-Mediated Enzyme-Free-Target-Recycling Amplification for the Ultrasensitive Electrochemical Detection of MicroRNA. *Analytical Chemistry*, **2018**, 90, 9538-9544	7.8	60
333	Highly Efficient Target Recycling-Based Netlike Y-DNA for Regulation of Electrocatalysis toward Methylene Blue for Sensitive DNA Detection. *ACS Applied Materials & Interfaces*, **2018**, 10, 25213-25218	9.5	29
332	Target-programmed and autonomous proximity binding aptasensor for amplified electronic detection of thrombin. *Biosensors and Bioelectronics*, **2018**, 117, 743-747	11.8	29
331	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
330	Electrochemical screening of single nucleotide polymorphisms with significantly enhanced discrimination factor by an amplified ratiometric sensor. *Analytica Chimica Acta*, **2018**, 1038, 166-172	6.6	3
329	A biosensor based on a 3D-DNA walking machine network and distance-controlled electrochemiluminescence energy transfer for ultrasensitive detection of tenascin C and lead ions. *Chemical Communications*, **2018**, 54, 8741-8744	5.8	17
328	An ultrasensitive electrochemiluminescence biosensor for detection of MicroRNA by in-situ electrochemically generated copper nanoclusters as luminophore and TiO as coreaction accelerator. *Biosensors and Bioelectronics*, **2018**, 114, 10-14	11.8	44
327	An ultrasensitive photoelectrochemical biosensor based on [Ru(dcbpy)dppz]/Rose Bengal dyes co-sensitized fullerene for DNA detection. *Biosensors and Bioelectronics*, **2018**, 120, 71-76	11.8	28
326	A novel recyclable surface-enhanced Raman spectroscopy platform with duplex-specific nuclease signal amplification for ultrasensitive analysis of microRNA 155. *Sensors and Actuators B: Chemical*, **2018**, 275, 260-266	8.5	24
325	An ultrasensitive electrochemiluminescence biosensor for multiple detection of microRNAs based on a novel dual circuit catalyzed hairpin assembly. *Chemical Communications*, **2018**, 54, 10148-10151	5.8	19
324	Bio-cleavable nanoprobes for target-triggered catalytic hairpin assembly amplification detection of microRNAs in live cancer cells. *Nanoscale*, **2018**, 10, 17623-17628	7.7	38
323	Dynamical Regulation of Enzyme Cascade Amplification by a Regenerated DNA Nanotweezer for Ultrasensitive Electrochemical DNA Detection. *Analytical Chemistry*, **2018**, 90, 10701-10706	7.8	46
322	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
321	An enzyme-free electrochemical biosensor combining target recycling with FeO/CeO@Au nanocatalysts for microRNA-21 detection. *Biosensors and Bioelectronics*, **2018**, 119, 170-175	11.8	39
320	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
319	Ultrasensitive Photoelectrochemical Biosensor Based on DNA Tetrahedron as Nanocarrier for Efficient Immobilization of CdTe QDs-Methylene Blue as Signal Probe with Near-Zero Background Noise. *Analytical Chemistry*, **2018**, 90, 8211-8216	7.8	75
318	Ion exchange for synthesis of porous CuxO/SnO2/ZnSnO3 microboxes as a high-performance lithium-ion battery anode. *New Journal of Chemistry*, **2018**, 42, 12008-12012	3.6	8

317	Target-catalyzed assembly formation of metal-ion dependent DNAzymes for non-enzymatic and label-free amplified ATP detection. *Sensors and Actuators B: Chemical*, **2018**, 273, 70-75	8.5	12
316	Functional Three-Dimensional Porous Conductive Polymer Hydrogels for Sensitive Electrochemiluminescence in Situ Detection of HO Released from Live Cells. *Analytical Chemistry*, **2018**, 90, 8462-8469	7.8	75
315	Cascaded signal amplification via target-triggered formation of aptazyme for sensitive electrochemical detection of ATP. *Biosensors and Bioelectronics*, **2018**, 102, 296-300	11.8	58
314	Ultrasensitive Photoelectrochemical Assay with PTB7-Th/CdTe Quantum Dots Sensitized Structure as Signal Tag and Benzo-4-chlorohexadienone Precipitate as Efficient Quencher. *Analytical Chemistry*, **2018**, 90, 14521-14526	7.8	19
313	A signal-on electrochemiluminescence sensor for clenbuterol detection based on zinc-based metal-organic framework-reduced graphene oxide-CdTe quantum dot hybrids. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 7881-7890	4.4	9
312	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
311	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
310	Combining Porous Magnetic Ni@C Nanospheres and CaCO Microcapsule as Surface-Enhanced Raman Spectroscopy Sensing Platform for Hypersensitive C-Reactive Protein Detection. *ACS Applied Materials & Interfaces*, **2018**, 10, 33707-33712	9.5	8
309	SnS Quantum Dots as New Emitters with Strong Electrochemiluminescence for Ultrasensitive Antibody Detection. *Analytical Chemistry*, **2018**, 90, 12270-12277	7.8	54
308	Cosensitization Strategy with Cascade Energy Level Arrangement for Ultrasensitive Photoelectrochemical Protein Detection. *Analytical Chemistry*, **2018**, 90, 12278-12283	7.8	18
307	N-(aminobutyl)-N-(ethylisoluminol) functionalized Fe-based metal-organic frameworks with intrinsic mimic peroxidase activity for sensitive electrochemiluminescence mucin1 determination. *Biosensors and Bioelectronics*, **2018**, 121, 250-256	11.8	32
306	Click Chemistry Reaction-Triggered 3D DNA Walking Machine for Sensitive Electrochemical Detection of Copper Ion. *Analytical Chemistry*, **2018**, 90, 11439-11445	7.8	53
305	An ATP-fueled nucleic acid signal amplification strategy for highly sensitive microRNA detection. *Chemical Communications*, **2018**, 54, 10897-10900	5.8	6
304	Ultrasensitive Fluorescent Assay Based on a Rolling-Circle-Amplification-Assisted Multisite-Strand-Displacement-Reaction Signal-Amplification Strategy. *Analytical Chemistry*, **2018**, 90, 7474-7479	7.8	30
303	Highly sensitive electrochemiluminescence immunosensor based on ABEI/HO system with PFO dots as enhancer for detection of kidney injury molecule-1. *Biosensors and Bioelectronics*, **2018**, 116, 16-22	11.8	17
302	Electrochemiluminescence biosensing based on different modes of switching signals. *Analyst, The*, **2018**, 143, 3230-3248	5	26
301	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
300	Dual triggers induced disassembly of DNA polymer decorated silver nanoparticle for ultrasensitive electrochemical Pb detection. *Analytica Chimica Acta*, **2018**, 1034, 56-62	6.6	20

299	Novel Double-Potential Electrochemiluminescence Ratiometric Strategy in Enzyme-Based Inhibition Biosensing for Sensitive Detection of Organophosphorus Pesticides. *Analytical Chemistry*, **2017**, 89, 2823-2829	7.8	88
298	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
297	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
296	Biodegradable MnO Nanosheet-Mediated Signal Amplification in Living Cells Enables Sensitive Detection of Down-Regulated Intracellular MicroRNA. *ACS Applied Materials & Interfaces*, **2017**, 9, 5717-5724	9.5	78
295	Metallo-Toehold-Activated Catalytic Hairpin Assembly Formation of Three-Way DNAzyme Junctions for Amplified Fluorescent Detection of Hg. *ACS Applied Materials & Interfaces*, **2017**, 9, 5733-5738	9.5	60
294	"Off" to "On" Surface-Enhanced Raman Spectroscopy Platform with Padlock Probe-Based Exponential Rolling Circle Amplification for Ultrasensitive Detection of MicroRNA 155. *Analytical Chemistry*, **2017**, 89, 2866-2872	7.8	89
293	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
292	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
291	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
290	Aptamer/Protein Proximity Binding-Triggered Molecular Machine for Amplified Electrochemical Sensing of Thrombin. *Analytical Chemistry*, **2017**, 89, 5138-5143	7.8	89
289	K-junction structure mediated exponential signal amplification strategy for microRNA detection in electrochemiluminescence biosensor. *Analyst, The*, **2017**, 142, 2185-2190	5	5
288	Highly Efficient Electrochemiluminescence Resonance Energy Transfer System in One Nanostructure: Its Application for Ultrasensitive Detection of MicroRNA in Cancer Cells. *Analytical Chemistry*, **2017**, 89, 6029-6035	7.8	60
287	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
286	An efficient target-intermediate recycling amplification strategy for ultrasensitive fluorescence assay of intracellular lead ions. *Chemical Communications*, **2017**, 53, 7525-7528	5.8	32
285	Thrombin aptasensor enabled by Pt nanoparticles-functionalized Co-based metal organic frameworks assisted electrochemical signal amplification. *Talanta*, **2017**, 169, 44-49	6.2	36
284	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
283	Methylation-induced inactivation of restriction enzyme for amplified and signal-on electrochemiluminescence detection of methyltransferase activity. *Sensors and Actuators B: Chemical*, **2017**, 247, 573-579	8.5	14
282	Bi-directional DNA Walking Machine and Its Application in an Enzyme-Free Electrochemiluminescence Biosensor for Sensitive Detection of MicroRNAs. *Analytical Chemistry*, **2017**, 89, 5036-5042	7.8	91

281	Highly Efficient Intramolecular Electrochemiluminescence Energy Transfer for Ultrasensitive Bioanalysis of Aflatoxin M1. *Chemistry - A European Journal*, **2017**, 23, 1853-1859	4.8	35
280	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
279	Ferrocene covalently confined in porous MOF as signal tag for highly sensitive electrochemical immunoassay of amyloid-□ *Journal of Materials Chemistry B*, **2017**, 5, 8330-8336	7.3	47
278	High-Sensitive Electrochemiluminescence C-Peptide Biosensor via the Double Quenching of Dopamine to the Novel Ru(II)-Organic Complex with Dual Intramolecular Self-Catalysis. *Analytical Chemistry*, **2017**, 89, 11076-11082	7.8	25
277	Intramolecular Self-Enhanced Nanochains Functionalized by an Electrochemiluminescence Reagent and Its Immunosensing Application for the Detection of Urinary □2-Microglobulin. *ACS Applied Materials & Interfaces*, **2017**, 9, 36239-36246	9.5	18
276	A Sensitive Electrochemical Aptasensor for Thrombin Detection Based on Electroactive Co-Based Metal-Organic Frameworks with Target-Triggering NESA Strategy. *Analytical Chemistry*, **2017**, 89, 11636-11640	7.8	59
275	Electrochemiluminescent Pb-Driven Circular Etching Sensor Coupled to a DNA Micronet-Carrier. *ACS Applied Materials & Interfaces*, **2017**, 9, 39812-39820	9.5	17
274	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
273	PtNPs as Scaffolds to Regulate Interenzyme Distance for Construction of Efficient Enzyme Cascade Amplification for Ultrasensitive Electrochemical Detection of MMP-2. *Analytical Chemistry*, **2017**, 89, 9383-9387	7.8	50
272	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
271	Switchable Target-Responsive 3D DNA Hydrogels As a Signal Amplification Strategy Combining with SERS Technique for Ultrasensitive Detection of miRNA 155. *Analytical Chemistry*, **2017**, 89, 8538-8544	7.8	80
270	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
269	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
268	A Peptide Cleavage-Based Ultrasensitive Electrochemical Biosensor with an Ingenious Two-Stage DNA Template for Highly Efficient DNA Exponential Amplification. *Analytical Chemistry*, **2017**, 89, 8951-8956	7.8	18
267	A DNA-Fueled and Catalytic Molecule Machine Lights Up Trace Under-Expressed MicroRNAs in Living Cells. *Analytical Chemistry*, **2017**, 89, 9934-9940	7.8	73
266	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
265	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
264	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

263	Using p-type PbS Quantum Dots to Quench Photocurrent of Fullerene-Au NP@MoS Composite Structure for Ultrasensitive Photoelectrochemical Detection of ATP. *ACS Applied Materials & Interfaces*, **2017**, 9, 42111-42120	9.5	65
262	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
261	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
260	Highly effective molecule converting strategy based on enzyme-free dual recycling amplification for ultrasensitive electrochemical detection of ATP. *Chemical Communications*, **2017**, 53, 8368-8371	5.8	36
259	Ultrasensitive Electrochemiluminescence Biosensor for MicroRNA Detection by 3D DNA Walking Machine Based Target Conversion and Distance-Controllable Signal Quenching and Enhancing. *Analytical Chemistry*, **2017**, 89, 8282-8287	7.8	90
258	MoS Quantum Dots as New Electrochemiluminescence Emitters for Ultrasensitive Bioanalysis of Lipopolysaccharide. *Analytical Chemistry*, **2017**, 89, 8335-8342	7.8	75
257	Metal-ion dependent DNAzyme recycling amplification for sensitive and homogeneous immuno-proximity binding assay of Fetoprotein biomarker. *Biosensors and Bioelectronics*, **2017**, 92, 624-629	11.8	31
256	A label-free electrochemical biosensor for microRNA detection based on catalytic hairpin assembly and in situ formation of molybdophosphate. *Talanta*, **2017**, 163, 65-71	6.2	32
255	Target-triggered catalytic hairpin assembly and TdT-catalyzed DNA polymerization for amplified electronic detection of thrombin in human serums. *Biosensors and Bioelectronics*, **2017**, 87, 495-500	11.8	48
254	An ultrasensitive electrochemiluminescence immunosensor for NT-proBNP based on self-catalyzed luminescence emitter coupled with PdCu@carbon nanohorn hybrid. *Biosensors and Bioelectronics*, **2017**, 87, 779-785	11.8	43
253	Coupling hybridization chain reaction with DNAzyme recycling for enzyme-free and dual amplified sensitive fluorescent detection of methyltransferase activity. *Analytica Chimica Acta*, **2017**, 949, 83-88	6.6	26
252	A dual-potential electrochemiluminescence ratiometric sensor for sensitive detection of dopamine based on graphene-CdTe quantum dots and self-enhanced Ru(II) complex. *Biosensors and Bioelectronics*, **2017**, 90, 61-68	11.8	71
251	Sulfur-doped ZnFe2O4 nanoparticles with enhanced lithium storage capabilities. *Journal of Materials Science*, **2017**, 52, 3566-3575	4.3	17
250	Click chemistry-mediated cyclic cleavage of metal ion-dependent DNAzymes for amplified and colorimetric detection of human serum copper (II). *Analytical and Bioanalytical Chemistry*, **2017**, 409, 6421-6427	4.4	7
249	Coupling hybridization chain reaction with catalytic hairpin assembly enables non-enzymatic and sensitive fluorescent detection of microRNA cancer biomarkers. *Biosensors and Bioelectronics*, **2016** , 77, 416-20	11.8	56
248	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
247	l-cysteine induced manganese porphyrin electrocatalytic amplification with 3D DNA-Au@Pt nanoparticles as nanocarriers for sensitive electrochemical aptasensor. *Biosensors and Bioelectronics*, **2016**, 79, 86-91	11.8	19
246	Cyclovoltammetric acetylcholinesterase activity assay after inhibition and subsequent reactivation by using a glassy carbon electrode modified with palladium nanorods composited with functionalized C60 fullerene. *Mikrochimica Acta*, **2016**, 183, 2403-2409	5.8	11

245	Signal-Switchable Electrochemiluminescence System Coupled with Target Recycling Amplification Strategy for Sensitive Mercury Ion and Mucin 1 Assay. *Analytical Chemistry*, **2016**, 88, 9243-50	7.8	78
244	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
243	DNA Enzyme-Decorated DNA Nanoladders as Enhancer for Peptide Cleavage-Based Electrochemical Biosensor. *ACS Applied Materials & Interfaces*, **2016**, 8, 22869-74	9.5	33
242	Dual-color encoded DNAzyme nanostructures for multiplexed detection of intracellular metal ions in living cells. *Biosensors and Bioelectronics*, **2016**, 85, 573-579	11.8	66
241	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
240	Proximity Binding and Metal Ion-Dependent DNAzyme Cyclic Amplification-Integrated Aptasensor for Label-Free and Sensitive Electrochemical Detection of Thrombin. *Analytical Chemistry*, **2016**, 88, 8218-23	7.8	105
239	Enzyme-assisted cycling amplification and DNA-templated in-situ deposition of silver nanoparticles for the sensitive electrochemical detection of Hg(2.). *Biosensors and Bioelectronics*, **2016**, 86, 630-635	11.8	33
238	Cu Nanoclusters: Novel Electrochemiluminescence Emitters for Bioanalysis. *Analytical Chemistry*, **2016**, 88, 11527-11532	7.8	74
237	Self-assembly of metal□organic frameworks and graphene oxide as precursors for lithium-ion battery applications. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	6
236	Unmodified and positively charged gold nanoparticles for sensitive colorimetric detection of folate receptor via terminal protection of small molecule-linked ssDNA. *Science China Chemistry*, **2016**, 59, 770-775	7.9	5
235	An ultrasensitive "on-off-on" photoelectrochemical aptasensor based on signal amplification of a fullerene/CdTe quantum dots sensitized structure and efficient quenching by manganese porphyrin. *Chemical Communications*, **2016**, 52, 8138-41	5.8	56
234	Multicolor-Encoded Reconfigurable DNA Nanostructures Enable Multiplexed Sensing of Intracellular MicroRNAs in Living Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 13303-8	9.5	69
233	Cross-triggered and cascaded recycling amplification for ultrasensitive electrochemical sensing of the mutant human p53 gene. *Chemical Communications*, **2016**, 52, 8707-10	5.8	14
232	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
231	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
230	Highly sensitive electrochemiluminescenc assay of acetylcholinesterase activity based on dual biomarkers using Pd-Au nanowires as immobilization platform. *Biosensors and Bioelectronics*, **2016**, 79, 34-40	11.8	53
229	A sensitive electrochemiluminescence immunosensor based on luminophore capped Pd@Au core-shell nanoparticles as signal tracers and ferrocenyl compounds as signal enhancers. *Biosensors and Bioelectronics*, **2016**, 81, 334-340	11.8	39
228	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

227	An electrochemical peptide cleavage-based biosensor for matrix metalloproteinase-2 detection with exonuclease III-assisted cycling signal amplification. *Chemical Communications*, **2016**, 52, 5943-5	5.8	35
226	An amplified electrochemical proximity immunoassay for the total protein of Nosema bombycis based on the catalytic activity of Fe3O4NPs towards methylene blue. *Biosensors and Bioelectronics*, **2016**, 81, 382-387	11.8	22
225	Cascaded strand displacement for non-enzymatic target recycling amplification and label-free electronic detection of microRNA from tumor cells. *Analytica Chimica Acta*, **2016**, 916, 1-7	6.6	32
224	A target responsive aptamer machine for label-free and sensitive non-enzymatic recycling amplification detection of ATP. *Chemical Communications*, **2016**, 52, 3673-6	5.8	85
223	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
222	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
221	Metal Organic Frameworks Combining CoFe2O4 Magnetic Nanoparticles as Highly Efficient SERS Sensing Platform for Ultrasensitive Detection of N-Terminal Pro-Brain Natriuretic Peptide. *ACS Applied Materials & Interfaces*, **2016**, 8, 7683-90	9.5	83
220	A highly sensitive electrochemiluminescence biosensor for the detection of organophosphate pesticides based on cyclodextrin functionalized graphitic carbon nitride and enzyme inhibition. *Chemical Communications*, **2016**, 52, 5049-52	5.8	53
219	Impedimetric aptasensor for nuclear factor kappa B with peroxidase-like mimic coupled DNA nanoladders as enhancer. *Biosensors and Bioelectronics*, **2016**, 81, 1-7	11.8	13
218	MicroRNA-induced cascaded and catalytic self-assembly of DNA nanostructures for enzyme-free and sensitive fluorescence detection of microRNA from tumor cells. *Chemical Communications*, **2016**, 52, 2501-4	5.8	13
217	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
216	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
215	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
214	Electrochemical Biosensor for Organophosphate Pesticides and Huperzine-A Detection Based on Pd Wormlike Nanochains/Graphitic Carbon Nitride Nanocomposites and Acetylcholinesterase. *Electroanalysis*, **2016**, 28, 304-311	3	18
213	DNA-mediated strand displacement facilitates sensitive electronic detection of antibodies in human serums. *Biosensors and Bioelectronics*, **2016**, 83, 156-61	11.8	16
212	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
211	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
210	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

209	In situ formation of flower-like CuCo2S4 nanosheets/graphene composites with enhanced lithium storage properties. *RSC Advances*, **2016**, 6, 38321-38327	3.7	48
208	Wavelength-resolved simultaneous photoelectrochemical bifunctional sensor on single interface: A newly in vitro approach for multiplexed DNA monitoring in cancer cells. *Biosensors and Bioelectronics*, **2016**, 81, 423-430	11.8	37
207	Ultrasensitive Lipopolysaccharides Detection Based on Doxorubicin Conjugated N-(Aminobutyl)-N-(ethylisoluminol) as Electrochemiluminescence Indicator and Self-Assembled Tetrahedron DNA Dendrimers as Nanocarriers. *Analytical Chemistry*, **2016**, 88, 5218-24	7.8	79
206	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
205	Anodic electrogenerated chemiluminescence behavior and the choline biosensing application of blue emitting conjugated polymer dots. *Chemical Communications*, **2016**, 52, 7276-9	5.8	28
204	Ceria Doped Zinc Oxide Nanoflowers Enhanced Luminol-Based Electrochemiluminescence Immunosensor for Amyloid-□Detection. *ACS Applied Materials & Interfaces*, **2016**, 8, 12968-75	9.5	109
203	Highly Effective Protein Converting Strategy for Ultrasensitive Electrochemical Assay of Cystatin C. *Analytical Chemistry*, **2016**, 88, 5189-96	7.8	36
202	Steric hindrance inhibition of strand displacement for homogeneous and signal-on fluorescence detection of human serum antibodies. *Chemical Communications*, **2016**, 52, 12586-12589	5.8	6
201	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
200	Self-Enhanced Ultrasensitive Photoelectrochemical Biosensor Based on Nanocapsule Packaging Both Donor-Acceptor-Type Photoactive Material and Its Sensitizer. *Analytical Chemistry*, **2016**, 88, 8698-705	7.8	52
199	Simultaneous determination of dopamine, ascorbic acid and uric acid using a multi-walled carbon nanotube and reduced graphene oxide hybrid functionalized by PAMAM and Au nanoparticles. *Analytical Methods*, **2015**, 7, 1471-1477	3.2	44
198	An amplified electrochemiluminescent aptasensor using Au nanoparticles capped by 3,4,9,10-perylene tetracarboxylic acid-thiosemicarbazide functionalized C60 nanocomposites as a signal enhancement tag. *Nanoscale*, **2015**, 7, 2085-92	7.7	27
197	Cathodic electrochemiluminescence behavior of an ammonolysis product of 3,4,9,10-perylenetetracarboxylic dianhydride in aqueous solution and its application for detecting dopamine. *RSC Advances*, **2015**, 5, 22289-22293	3.7	12
196	Electrochemical Peptide Biosensor Based on in Situ Silver Deposition for Detection of Prostate Specific Antigen. *ACS Applied Materials & Interfaces*, **2015**, 7, 13360-6	9.5	80
195	Principles for the determination of the surface potential of charged particles in mixed electrolyte solutions. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2015**, 471, 20150064	2.4	3
194	DNA-fueled molecular machine enables enzyme-free target recycling amplification for electronic detection of microRNA from cancer cells with highly minimized background noise. *Analytical Chemistry*, **2015**, 87, 8578-83	7.8	92
193	A □signal on-off□electrochemical peptide biosensor for matrix metalloproteinase 2 based on target induced cleavage of a peptide. *RSC Advances*, **2015**, 5, 65725-65730	3.7	22
192	A ferrocene-switched electrochemiluminescence "off-on" strategy for the sensitive detection of cardiac troponin I based on target transduction and a DNA walking machine. *Chemical Communications*, **2015**, 51, 14369-72	5.8	21

191	Electrochemiluminescence Resonance Energy Transfer System: Mechanism and Application in Ratiometric Aptasensor for Lead Ion. *Analytical Chemistry*, **2015**, 87, 7787-94	7.8	120
190	An electrochemiluminescence biosensor for dopamine based on the recognition of fullerene-derivative and the quenching of cuprous oxide nanocrystals. *RSC Advances*, **2015**, 5, 58019-58023	3.7	11
189	Spray pyrolysis deposition of Cu2ZnInS4 solid-solution thin films with tunable compositions and band gaps. *Materials Science in Semiconductor Processing*, **2015**, 40, 20-25	4.3	5
188	Electrochemiluminescence sensor for dopamine with a dual molecular recognition strategy based on graphite-like carbon nitride nanosheets/3,4,9,10-perylenetetracarboxylic acid hybrids. *RSC Advances*, **2015**, 5, 42698-42704	3.7	28
187	Sensing glucose based on its affinity for concanavalin A on a glassy carbon electrode modified with a C60 fullerene nanocomposite. *Mikrochimica Acta*, **2015**, 182, 2215-2221	5.8	19
186	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
185	Click chemistry-mediated catalytic hairpin self-assembly for amplified and sensitive fluorescence detection of Cu(2+) in human serum. *Chemical Communications*, **2015**, 51, 12637-40	5.8	17
184	Label-free and homogeneous aptamer proximity binding assay for fluorescent detection of protein biomarkers in human serum. *Talanta*, **2015**, 141, 230-4	6.2	12
183	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
182	Porous carbon-coated CuCo2O4 concave polyhedrons derived from metal–organic frameworks as anodes for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 12038-12043	13	90
181	An electrochemiluminescence immunosensor for thyroid stimulating hormone based on polyamidoamine-norfloxacin functionalized Pd-Au core-shell hexoctahedrons as signal enhancers. *Biosensors and Bioelectronics*, **2015**, 71, 164-170	11.8	41
180	MicroRNA-triggered, cascaded and catalytic self-assembly of functional "DNAzyme ferris wheel" nanostructures for highly sensitive colorimetric detection of cancer cells. *Nanoscale*, **2015**, 7, 9055-61	7.7	54
179	RNA-regulated molecular tweezers for sensitive fluorescent detection of microRNA from cancer cells. *Biosensors and Bioelectronics*, **2015**, 71, 98-102	11.8	13
178	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
177	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
176	Fe3O4NPs mediated nonenzymatic electrochemical immunosensor for the total protein of Nosema bombycis detection without addition of substrate. *Chemical Communications*, **2015**, 51, 7132-5	5.8	10
175	Sandwiched Electrochemiluminescent Peptide Biosensor for the Detection of Prognostic Indicator in Early-Stage Cancer Based on Hollow, Magnetic, and Self-Enhanced Nanosheets. *Small*, **2015**, 11, 3703-9	11	36
174	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

173	Tracing Phosphate Ions Generated during Loop-Mediated Isothermal Amplification for Electrochemical Detection of Nosema bombycis Genomic DNA PTP1. *Analytical Chemistry*, **2015**, 87, 10268-74	7.8	49
172	Electrochemiluminescent Graphene Quantum Dots as a Sensing Platform: A Dual Amplification for MicroRNA Assay. *Analytical Chemistry*, **2015**, 87, 10385-91	7.8	98
171	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
170	A multifunctional hemin@metal-organic framework and its application to construct an electrochemical aptasensor for thrombin detection. *Nanoscale*, **2015**, 7, 18232-8	7.7	140
169	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
168	Intercalation of quantum dots as the new signal acquisition and amplification platform for sensitive electrochemiluminescent detection of microRNA. *Analytica Chimica Acta*, **2015**, 891, 130-5	6.6	14
167	RNA responsive and catalytic self-assembly of DNA nanostructures for highly sensitive fluorescence detection of microRNA from cancer cells. *Chemical Communications*, **2015**, 51, 16494-7	5.8	10
166	A self-enhanced electrochemiluminescence immunosensor based on L-Lys-Ru(dcbpy)3(2+) functionalized porous six arrises column nanorods for detection of CA15-3. *Biosensors and Bioelectronics*, **2015**, 74, 924-30	11.8	37
165	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
164	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
163	A sensitive electrochemical aptasensor based on the co-catalysis of hemin/G-quadruplex, platinum nanoparticles and flower-like MnO2 nanosphere functionalized multi-walled carbon nanotubes. *Chemical Communications*, **2015**, 51, 1472-4	5.8	63
162	Terminal protection of small molecule-linked ssDNA for label-free and highly sensitive colorimetric detection of folate receptor biomarkers. *RSC Advances*, **2015**, 5, 6100-6105	3.7	7
161	Self-enhanced electrochemiluminescence immunosensor based on nanowires obtained by a green approach. *Biosensors and Bioelectronics*, **2015**, 68, 72-77	11.8	31
160	A label-free electrochemical aptasensor based on the catalysis of manganese porphyrins for detection of thrombin. *Biosensors and Bioelectronics*, **2015**, 66, 585-9	11.8	37
159	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
158	A restriction enzyme-powered autonomous DNA walking machine: its application for a highly sensitive electrochemiluminescence assay of DNA. *Nanoscale*, **2015**, 7, 981-6	7.7	36
157	L-cysteine induced hemin/G-quadruplex concatemers electrocatalytic amplification with Pt-Pd supported on fullerene as a nanocarrier for sensing the spore wall protein of Nosema bombycis. *Chemical Communications*, **2015**, 51, 1255-8	5.8	24
156	A sensitive electrochemical aptasensor based on palladium nanoparticles decorated graphene-molybdenum disulfide flower-like nanocomposites and enzymatic signal amplification. *Analytica Chimica Acta*, **2015**, 853, 234-241	6.6	56

155	A novel solid-state Ru(bpy)3(2+) electrochemiluminescence immunosensor based on poly(ethylenimine) and polyamidoamine dendrimers as co-reactants. *Talanta*, **2015**, 131, 192-7	6.2	35
154	Sensitive electrochemiluminescence detection for CA15-3 based on immobilizing luminol on dendrimer functionalized ZnO nanorods. *Biosensors and Bioelectronics*, **2015**, 63, 33-38	11.8	86
153	Highly efficient electrogenerated chemiluminescence quenching of PEI enhanced Ru(bpy)□+ nanocomposite by hemin and Au@CeO□nanoparticles. *Biosensors and Bioelectronics*, **2015**, 63, 392-398	11.8	29
152	An electrochemical aptasensor for thrombin using synergetic catalysis of enzyme and porous Au@Pd core-shell nanostructures for signal amplification. *Biosensors and Bioelectronics*, **2015**, 64, 423-8	11.8	43
151	Toehold strand displacement-driven assembly of G-quadruplex DNA for enzyme-free and non-label sensitive fluorescent detection of thrombin. *Biosensors and Bioelectronics*, **2015**, 64, 306-10	11.8	52
150	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid Based on Gold Nanoparticles-PTCA-Cys Composites Modified Electrodes. *Journal of the Chinese Chemical Society*, **2015**, 62, 739-746	1.5	3
149	Luminescence-Functionalized Metal-Organic Frameworks Based on a Ruthenium(II) Complex: A Signal Amplification Strategy for Electrogenerated Chemiluminescence Immunosensors. *Chemistry - A European Journal*, **2015**, 21, 9825-32	4.8	61
148	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
147	A microRNA-activated molecular machine for non-enzymatic target recycling amplification detection of microRNA from cancer cells. *Chemical Communications*, **2015**, 51, 11084-7	5.8	48
146	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
145	In situ DNA-templated synthesis of silver nanoclusters for ultrasensitive and label-free electrochemical detection of microRNA. *ACS Applied Materials & Interfaces*, **2015**, 7, 1188-93	9.5	117
144	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
143	Aptamer pseudoknot-functionalized electronic sensor for reagentless and single-step detection of immunoglobulin E in human serum. *Analytical Chemistry*, **2015**, 87, 3094-8	7.8	52
142	An "off-on" electrochemiluminescent biosensor based on DNAzyme-assisted target recycling and rolling circle amplifications for ultrasensitive detection of microRNA. *Analytical Chemistry*, **2015**, 87, 3202-7	7.8	161
141	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
140	An electrochemical biosensor for sensitive detection of microRNA-155: combining target recycling with cascade catalysis for signal amplification. *ACS Applied Materials & Interfaces*, **2015**, 7, 713-20	9.5	88
139	High throughput immunosenor based on multi-label strategy and a novel array electrode. *Scientific Reports*, **2014**, 4, 4747	4.9	21
138	Highly enhanced electrochemiluminescent strategy for tumor biomarkers detection with in situ generation of L-homocysteine for signal amplification. *Analytica Chimica Acta*, **2014**, 815, 16-21	6.6	6

137	Electrochemiluminescence recovery-based aptasensor for sensitive Ochratoxin A detection via exonuclease-catalyzed target recycling amplification. *Talanta*, **2014**, 125, 45-50	6.2	46
136	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
135	Amplified electrochemiluminescent aptasensor using mimicking bi-enzyme nanocomplexes as signal enhancement. *Analytica Chimica Acta*, **2014**, 809, 47-53	6.6	24
134	Mediator-free triple-enzyme cascade electrocatalytic aptasensor with exonuclease-assisted target recycling and hybridization chain reaction amplification. *Biosensors and Bioelectronics*, **2014**, 55, 366-71	11.8	27
133	A nitrite and hydrogen peroxide sensor based on Hb adsorbed on Au nanorods and graphene oxide coated by polydopamine. *Analytical Methods*, **2014**, 6, 758-765	3.2	15
132	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
131	A pseudo triple-enzyme electrochemical aptasensor based on the amplification of Pt-Pd nanowires and hemin/G-quadruplex. *Analytica Chimica Acta*, **2014**, 834, 45-50	6.6	20
130	A novel strategy for synthesis of hollow gold nanosphere and its application in electrogenerated chemiluminescence glucose biosensor. *Talanta*, **2014**, 128, 9-14	6.2	30
129	Synthesis of multi-fullerenes encapsulated palladium nanocage, and its application in electrochemiluminescence immunosensors for the detection of Streptococcus suis Serotype 2. *Small*, **2014**, 10, 1857-65	11	53
128	Binding-induced autonomous disassembly of aptamer-DNAzyme supersandwich nanostructures for sensitive electrochemiluminescence turn-on detection of ochratoxin A. *Nanoscale*, **2014**, 6, 1099-104	7.7	49
127	A pseudo triple-enzyme cascade amplified aptasensor for thrombin detection based on hemin/G-quadruplex as signal label. *Biosensors and Bioelectronics*, **2014**, 54, 415-20	11.8	30
126	Highly enhanced electrochemiluminescence based on pseudo triple-enzyme cascade catalysis and in situ generation of co-reactant for thrombin detection. *Analyst, The*, **2014**, 139, 1030-6	5	13
125	Dual amplified and ultrasensitive electrochemical detection of mutant DNA Biomarkers based on nuclease-assisted target recycling and rolling circle amplifications. *Biosensors and Bioelectronics*, **2014**, 55, 266-71	11.8	51
124	Quadratic recycling amplification for label-free and sensitive visual detection of HIV DNA. *Biosensors and Bioelectronics*, **2014**, 55, 220-4	11.8	43
123	A signal-on electrochemiluminescence aptasensor based on the quenching effect of manganese dioxide for sensitive detection of carcinoembryonic antigen. *RSC Advances*, **2014**, 4, 56756-56761	3.7	16
122	Multiplexed and amplified electronic sensor for the detection of microRNAs from cancer cells. *Analytical Chemistry*, **2014**, 86, 11913-8	7.8	104
121	Using the ubiquitous pH meter combined with a loop mediated isothermal amplification method for facile and sensitive detection of Nosema bombycis genomic DNA PTP1. *Chemical Communications*, **2014**, 50, 15932-5	5.8	26
120	A signal-on electrochemical aptasensor for ultrasensitive detection of endotoxin using three-way DNA junction-aided enzymatic recycling and graphene nanohybrid for amplification. *Nanoscale*, **2014**, 6, 2902-8	7.7	87

119	Ultrasensitive immunoassay based on a pseudobienzyme amplifying system of choline oxidase and luminol-reduced Pt@Au hybrid nanoflowers. *Chemical Communications*, **2014**, 50, 14627-30	5.8	33
118	Dual-responses for electrochemical and electrochemiluminescent detection based on a bifunctional probe. *Chemical Communications*, **2014**, 50, 3367-9	5.8	17
117	Manganese porphyrin-double stranded DNA complex guided in situ deposition of polyaniline for electrochemical thrombin detection. *Chemical Communications*, **2014**, 50, 7169-72	5.8	20
116	A super intramolecular self-enhanced electrochemiluminescence immunosensor based on polymer chains grafted on palladium nanocages. *Nanoscale*, **2014**, 6, 10316-22	7.7	41
115	Graphene nanosensor for highly sensitive fluorescence turn-on detection of Hg2+ based on target recycling amplification. *RSC Advances*, **2014**, 4, 39082	3.7	6
114	In situ generation of self-enhanced luminophore by β-lactamase catalysis for highly sensitive electrochemiluminescent aptasensor. *Analytical Chemistry*, **2014**, 86, 5873-80	7.8	41
113	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
112	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
111	Electrochemiluminescence of luminol enhanced by the synergetic catalysis of hemin and silver nanoparticles for sensitive protein detection. *Biosensors and Bioelectronics*, **2014**, 54, 20-6	11.8	81
110	A novel electrochemiluminescence aptasensor based on in situ generated proline and matrix polyamidoamine dendrimers as coreactants for signal amplication. *Biosensors and Bioelectronics*, **2014**, 55, 313-7	11.8	17
109	Ultrasensitive electrochemiluminescent aptasensor for ochratoxin A detection with the loop-mediated isothermal amplification. *Analytica Chimica Acta*, **2014**, 811, 70-5	6.6	46
108	A novel electrochemical aptasensor for highly sensitive detection of thrombin based on the autonomous assembly of hemin/G-quadruplex horseradish peroxidase-mimicking DNAzyme nanowires. *Analytica Chimica Acta*, **2014**, 832, 51-7	6.6	23
107	Terminal protection of small molecule-linked ssDNA for label-free and sensitive fluorescent detection of folate receptor. *Talanta*, **2014**, 128, 237-41	6.2	10
106	Target-induced structure switching of hairpin aptamers for label-free and sensitive fluorescent detection of ATP via exonuclease-catalyzed target recycling amplification. *Biosensors and Bioelectronics*, **2014**, 51, 293-6	11.8	58
105	Amplified amperometric aptasensor for selective detection of protein using catalase-functional DNA-PtNPs dendrimer as a synergetic signal amplification label. *Biosensors and Bioelectronics*, **2014**, 60, 224-30	11.8	43
104	Procalcitonin sensitive detection based on graphene-gold nanocomposite film sensor platform and single-walled carbon nanohorns/hollow Pt chains complex as signal tags. *Biosensors and Bioelectronics*, **2014**, 60, 210-7	11.8	66
103	Sensitive pseudobienzyme electrocatalytic DNA biosensor for mercury(II) ion by using the autonomously assembled hemin/G-quadruplex DNAzyme nanowires for signal amplification. *Analytica Chimica Acta*, **2014**, 811, 23-8	6.6	34
102	Electrochemical immunosensor for detecting the spore wall protein of Nosema bombycis based on the amplification of hemin/G-quadruplex DNAzyme concatamers functionalized Pt@Pd nanowires. *Biosensors and Bioelectronics*, **2014**, 60, 118-23	11.8	43

101	Ultrasensitive electrochemiluminescent detection of cardiac troponin I based on a self-enhanced Ru(II) complex. *Talanta*, **2014**, 129, 219-26	6.2	26
100	Development of an electrochemical method for Ochratoxin A detection based on aptamer and loop-mediated isothermal amplification. *Biosensors and Bioelectronics*, **2014**, 55, 324-9	11.8	75
99	An electrogenerated chemiluminescence sensor based on gold nanoparticles@C60 hybrid for the determination of phenolic compounds. *Biosensors and Bioelectronics*, **2014**, 60, 325-31	11.8	54
98	Target recycling amplification for label-free and sensitive colorimetric detection of adenosine triphosphate based on un-modified aptamers and DNAzymes. *Analytica Chimica Acta*, **2014**, 828, 80-4	6.6	26
97	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
96	Cation-exchange antibody labeling for simultaneous electrochemical detection of tumor markers CA15-3 and CA19-9. *Mikrochimica Acta*, **2013**, 180, 651-657	5.8	29
95	Electrochemical sensing of hydrogen peroxide using metal nanoparticles: a review. *Mikrochimica Acta*, **2013**, 180, 15-32	5.8	382
94	Amplified electrochemiluminescence of luminol based on hybridization chain reaction and in situ generate co-reactant for highly sensitive immunoassay. *Talanta*, **2013**, 115, 577-82	6.2	26
93	An ultrasensitive electrochemiluminescence immunoassay based on supersandwich DNA structure amplification with histidine as a co-reactant. *Biosensors and Bioelectronics*, **2013**, 50, 294-9	11.8	20
92	An ultrasensitive peroxydisulfate electrochemiluminescence immunosensor for Streptococcus suis serotype 2 based on L-cysteine combined with mimicking bi-enzyme synergetic catalysis to in situ generate coreactant. *Biosensors and Bioelectronics*, **2013**, 43, 63-8	11.8	26
91	Ultrasensitive electrochemical immunosensors for clinical immunoassay using gold nanoparticle coated multi-walled carbon nanotubes as labels and horseradish peroxidase as an enhancer. *Analytical Methods*, **2013**, 5, 5279	3.2	18
90	A signal amplification strategy using the cascade catalysis of gold nanoclusters and glucose dehydrogenase for ultrasensitive detection of thrombin. *Biosensors and Bioelectronics*, **2013**, 50, 161-6	11.8	21
89	An ultrasensitive electrochemical aptasensor with autonomous assembly of hemin-G-quadruplex DNAzyme nanowires for pseudo triple-enzyme cascade electrocatalytic amplification. *Chemical Communications*, **2013**, 49, 7328-30	5.8	45
88	Multi-labeled functionalized C□nanohybrid as tracing tag for ultrasensitive electrochemical aptasensing. *Biosensors and Bioelectronics*, **2013**, 46, 74-9	11.8	38
87	Deposited gold nanocrystals enhanced porous PTCA□ys layer for simultaneous detection of ascorbic acid, dopamine and uric acid. *Sensors and Actuators B: Chemical*, **2013**, 183, 157-162	8.5	24
86	Sensitive detection of copper(II) by a commercial glucometer using click chemistry. *Biosensors and Bioelectronics*, **2013**, 45, 219-22	11.8	57
85	Gold nanoparticle□raphene nanohybrid bridged 3-amino-5-mercapto-1,2,4-triazole-functionalized multiwall carbon nanotubes for the simultaneous determination of hydroquinone, catechol, resorcinol and nitrite. *Analytical Methods*, **2013**, 5, 666-672	3.2	44
84	A new hybrid signal amplification strategy for ultrasensitive electrochemical detection of DNA based on enzyme-assisted target recycling and DNA supersandwich assemblies. *Chemical Communications*, **2013**, 49, 2052-4	5.8	41

83	Dendrimer functionalized reduced graphene oxide as nanocarrier for sensitive pseudobienzyme electrochemical aptasensor. *Biosensors and Bioelectronics*, **2013**, 42, 474-80	11.8	53
82	Development of an HPLC–MS/MS method for the simultaneous analysis of six kinds of parabens in food. *Analytical Methods*, **2013**, 5, 1016-1023	3.2	17
81	A novel electrochemical aptasensor for thrombin detection based on the hybridization chain reaction with hemin/G-quadruplex DNAzyme-signal amplification. *Analyst, The*, **2013**, 138, 4558-64	5	33
80	Highly amplified electrochemiluminescence of peroxydisulfate using bienzyme functionalized palladium nanoparticles as labels for ultrasensitive immunoassay. *Biosensors and Bioelectronics*, **2013**, 39, 296-9	11.8	38
79	Hemin Functionalized Multiwalled Carbon Nanotubes as a Matrix for Sensitive Electrogenerated Chemiluminescence Cholesterol Biosensor. *Electroanalysis*, **2013**, 25, 2700-2706	3	4
78	Simultaneous electrochemical detection of multiple analytes based on dual signal amplification of single-walled carbon nanotubes and multi-labeled graphene sheets. *Biomaterials*, **2012**, 33, 1090-6	15.6	140
77	Novel electrochemical catalysis as signal amplified strategy for label-free detection of neuron-specific enolase. *Biosensors and Bioelectronics*, **2012**, 31, 399-405	11.8	57
76	4-(dimethylamino)butyric acid@PtNPs as enhancer for solid-state electrochemiluminescence aptasensor based on target-induced strand displacement. *Biosensors and Bioelectronics*, **2012**, 34, 25-9	11.8	16
75	Amperometric biosensor for nitrite and hydrogen peroxide based on hemoglobin immobilized on gold nanoparticles/polythionine/platinum nanoparticles modified glassy carbon electrode. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 570-574	3.5	18
74	Non-enzymatic hydrogen peroxide amperometric sensor based on a glassy carbon electrode modified with an MWCNT/polyaniline composite film and platinum nanoparticles. *Mikrochimica Acta*, **2012**, 176, 389-395	5.8	49
73	Functionalized graphene oxide-based carbon paste electrode for potentiometric detection of copper ion(II). *Analytical Methods*, **2012**, 4, 3332	3.2	21
72	Simultaneous determination of hydroquinone, catechol, resorcinol and nitrite using gold nanoparticles loaded on poly-3-amino-5-mercapto-1,2,4-triazole-MWNTs film modified electrode. *Analytical Methods*, **2012**, 4, 1626	3.2	41
71	Guest-induced expanding and shrinking porous modulation based on interdigitated metal–organic frameworks constructed by 4,4?-sulfonyldibenzoate and barium ions. *CrystEngComm*, **2012**, 14, 2849	3.3	33
70	Ultrasensitive aptasensor based on graphene-3,4,9,10-perylenetetracarboxylic dianhydride as platform and functionalized hollow PtCo nanochains as enhancers. *Sensors and Actuators B: Chemical*, **2012**, 169, 88-95	8.5	23
69	In situ spontaneous reduction synthesis of spherical Pd@Cys-C60 nanoparticles and its application in nonenzymatic glucose biosensors. *Chemical Communications*, **2012**, 48, 597-9	5.8	68
68	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
67	In situ hybridization chain reaction amplification for universal and highly sensitive electrochemiluminescent detection of DNA. *Analytical Chemistry*, **2012**, 84, 7750-5	7.8	257
66	Direct electrochemistry and electrocatalysis of a glucose oxidase-functionalized bioconjugate as a trace label for ultrasensitive detection of thrombin. *Chemical Communications*, **2012**, 48, 10972-4	5.8	56

65	Nanostructured multi-walled carbon nanotubes derivate based on carbon paste electrode for potentiometric detection of Ag+ ions. *Analytical Methods*, **2012**, 4, 454	3.2	10
64	A cathodic electrogenerated chemiluminescence biosensor based on luminol and hemin-graphene nanosheets for cholesterol detection. *RSC Advances*, **2012**, 2, 4639	3.7	34
63	Amperometric sensor for nitrite using a glassy carbon electrode modified with thionine functionalized MWCNTs/Au nanorods/SDS nanohybrids. *Surface and Interface Analysis*, **2012**, 44, 1233-1237	1.5	5
62	Three 3D Metal–Quinolone Complexes Based on Trimetallic or Rod-Shaped Secondary Building Units. *European Journal of Inorganic Chemistry*, **2012**, 2012, 1783-1789	2.3	8
61	Facile Synthesis of Amino Shell-Magnetic Core Nanoparticles and Application for Direct Electrochemistry. *Analytical Letters*, **2012**, 45, 2697-2706	2.2	
60	A series of novel entangled coordination frameworks with inherent features of self-threading, polyrotaxane and polycatenane. *CrystEngComm*, **2011**, 13, 4988	3.3	56
59	Unusual self-threading and interdigitated architectures self-assembled from long flexible ligands and d10 metal salts. *CrystEngComm*, **2011**, 13, 7098	3.3	32
58	Highly enhanced electrochemiluminescence based on synergetic catalysis effect of enzyme and Pd nanoparticles for ultrasensitive immunoassay. *Chemical Communications*, **2011**, 47, 8397-9	5.8	31
57	Aptamer-based highly sensitive electrochemiluminescent detection of thrombin via nanoparticle layer-by-layer assembled amplification labels. *Chemical Communications*, **2011**, 47, 7758-60	5.8	46
56	Nonenzymatic glucose sensor based on a glassy carbon electrode modified with chains of platinum hollow nanoparticles and porous gold nanoparticles in a chitosan membrane. *Mikrochimica Acta*, **2011**, 172, 163-169	5.8	36
55	Double layer enzyme modified carbon nanotubes as label for sandwich-type immunoassay of tumor markers. *Mikrochimica Acta*, **2011**, 172, 373-378	5.8	7
54	Simple construction of an enzymatic glucose biosensor based on a nanocomposite film prepared in one step from iron oxide, gold nanoparticles, and chitosan. *Mikrochimica Acta*, **2011**, 173, 369-374	5.8	15
53	Electrochemical sensor based on Prussian blue nanorods and gold nanochains for the determination of H2O2. *European Food Research and Technology*, **2011**, 232, 87-95	3.4	12
52	Electrochemical aptasensor based on the dual-amplification of G-quadruplex horseradish peroxidase-mimicking DNAzyme and blocking reagent-horseradish peroxidase. *Biosensors and Bioelectronics*, **2011**, 26, 4236-40	11.8	53
51	Glucose oxidase as a blocking agent-based signal amplification strategy for the fabrication of label-free amperometric immunosensors. *Science China Chemistry*, **2011**, 54, 536-544	7.9	2
50	Aptamer-based competitive electrochemical assay of small biomolecules. *Science China Chemistry*, **2011**, 54, 822-826	7.9	2
49	Gold nanolabels and enzymatic recycling dual amplification-based electrochemical immunosensor for the highly sensitive detection of carcinoembryonic antigen. *Science China Chemistry*, **2011**, 54, 1770-1776	7.9	10
48	Two Unprecedented Entangled Metal–Olsalazine Complexes with Coexistence of 2D -3D Polycatenation and meso-Helix. *European Journal of Inorganic Chemistry*, **2011**, 2011, 4656-3663	2.3	8

47	A Solid-State Electrochemiluminescence Immunosensor Based on MWCNTs-Nafion and Ru(bpy)32+/Nano-Pt Nanocomposites for Detection of Fetoprotein. *Electroanalysis*, **2011**, 23, 1418-1426	3	20
46	Electrochemiluminescence of peroxydisulfate enhanced by L-cysteine film for sensitive immunoassay. *Biosensors and Bioelectronics*, **2011**, 26, 3175-80	11.8	83
45	An unprecedented (5,12)-connected 3D self-penetrating metal organic framework based on dinuclear barium clusters as building blocks. *CrystEngComm*, **2011**, 13, 433-436	3.3	39
44	An unprecedented 3-fold interpenetrated double-edged pseudo-diamondoid network containing exceptional 5-fold interlocking tri-flexure helices and 15-fold interwoven helices. *CrystEngComm*, **2011**, 13, 4841	3.3	32
43	Bi-enzyme functionlized hollow PtCo nanochains as labels for an electrochemical aptasensor. *Biosensors and Bioelectronics*, **2011**, 26, 4331-6	11.8	43
42	Direct electrocatalytic reduction of hydrogen peroxide at a glassy carbon electrode modified with polypyrrole nanowires and platinum hollow nanospheres. *Mikrochimica Acta*, **2010**, 171, 125-131	5.8	37
41	A novel immunosensor for carcinoembryonic antigen based on poly(diallyldimethylammonium chloride) protected prussian blue nanoparticles and double-layer nanometer-sized gold particles. *Mikrochimica Acta*, **2010**, 171, 297-304	5.8	18
40	Ru(bpy)3(2+)-doped silica nanoparticles labeling for a sandwich-type electrochemiluminescence immunosensor. *Biosensors and Bioelectronics*, **2010**, 25, 1851-5	11.8	68
39	An Amperometric Immunosensor Based on Layer-by-Layer Assembly of L-Cysteine and Nanosized Prussian Blue on Gold Electrode for Determination of Human Chorionic Gonadotrophin. *Electroanalysis*, **2009**, 21, 707-714	3	9
38	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
37	Study on an immunosensor based on gold nanoparticles and a nano-calcium carbonate/Prussian blue modified glassy carbon electrode. *Mikrochimica Acta*, **2009**, 165, 53-58	5.8	23
36	Hydrogen peroxide sensor based on horseradish peroxidase immobilized on an electrode modified with DNA-L-cysteine-gold-platinum nanoparticles in polypyrrole film. *Mikrochimica Acta*, **2009**, 167, 159-165	5.8	35
35	Ultrasensitive amperometric immunosensor for the determination of carcinoembryonic antigen based on a porous chitosan and gold nanoparticles functionalized interface. *Mikrochimica Acta*, **2009**, 167, 217-224	5.8	18
34	New Ni(II) Ion-Selective Electrode Based on the N-S Schiff Base Ligand as Neutral Carrier in PVC Matrix. *Analytical Letters*, **2009**, 42, 2411-2429	2.2	4
33	Potentiometric Membrane Electrode for Cr(III) Ion Based on a New Aryl Amide Bifunctional Bridging Ligand as a Neutral Carrier. *Journal of the Chinese Chemical Society*, **2009**, 56, 676-682	1.5	5
32	Layered Zirconium(IV) Aminoethylphosphonate Intercalated with Horseradish Peroxidase for an Amperometric Biosensor. *Journal of the Chinese Chemical Society*, **2009**, 56, 995-1001	1.5	2
31	A Novel Nonenzymatic Hydrogen Peroxide Sensor Based on a Polypyrrole Nanowire-Copper Nanocomposite Modified Gold Electrode. *Sensors*, **2008**, 8, 5141-5152	3.8	52
30	Two (3,10)-Connected 2D Networks Based on Pentanuclear Metal Clusters as Building Blocks. *European Journal of Inorganic Chemistry*, **2008**, 2008, 2610-2615	2.3	36

29	A New Enzyme Immobilization Technique Based on Thionine-Bovine Serum Albumin Conjugate and Gold Colloidal Nanoparticles for Reagentless Amperometric Biosensor Applications. *Electroanalysis*, **2008**, 20, 418-425	3	13
28	Biomolecule-Doped Organic/Inorganic Hybrid Nanocomposite Film for Label-Free Electrochemical Immunoassay of □1-Fetoprotein. *Electroanalysis*, **2008**, 20, 989-995	3	11
27	Potentiometric Iodide Selectivity of Polymer-Membrane Sensors Based on Co(II) Triazole Derivative. *Electroanalysis*, **2008**, 20, 1434-1439	3	12
26	Multilayer Assembly of Hemoglobin and Colloidal Gold Nanoparticles on Multiwall Carbon Nanotubes/Chitosan Composite for Detecting Hydrogen Peroxide. *Electroanalysis*, **2008**, 20, 2141-2147	3	15
25	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
24	Synthesis and application of a new copper(II) complex containing oflx and leof. *Russian Journal of Inorganic Chemistry*, **2008**, 53, 704-706	1.5	20
23	Dual-Amplification of Antigen□Antibody Interactions via Backfilling Gold Nanoparticles on (3-Mercaptopropyl) Trimethoxysilane Sol-Gel Functionalized Interface. *Electroanalysis*, **2007**, 19, 479-486	3	14
22	On-Off PVC Membrane Based Potentiometric Immunosensor for Label-Free Detection of Alpha-Fetoprotein. *Electroanalysis*, **2007**, 19, 1131-1138	3	13
21	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
20	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
19	A capacitive sensor based on molecularly imprinted polymers and poly(p-aminobenzene sulfonic acid) film for detection of pazufloxacin mesilate. *Science in China Series B: Chemistry*, **2007**, 50, 547-553		10
18	Direct electrochemistry and enzymatic activity of hemoglobin in positively charged colloid Au nanoparticles and hemoglobin layer-by-layer self-assembly films. *Science in China Series B: Chemistry* , **2007**, 50, 620-628		2
17	Amperometric Hydrogen Peroxide Biosensor Based on the Immobilization of Horseradish Peroxidase (HRP) on the Layer-by-Layer Assembly Films of Gold Colloidal Nanoparticles and Toluidine Blue. *Electroanalysis*, **2006**, 18, 471-477	3	60
16	Electrochemical Immunoanalysis for Carcinoembryonic Antigen Based on Multilayer Architectures of Gold Nanoparticles and Polycation Biomimetic Interface on Glassy Carbon Electrode. *Electroanalysis*, **2006**, 18, 2451-2457	3	15
15	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
14	Electrochemical Immunosensing Strategies Based on Immobilization of Anti-IgC on Mixed Self-Assembly Monolayers Carrying Surface Amide or Carboxyl Groups. *Analytical Letters*, **2006**, 39, 1809-1821	2.2	4
13	Coupling of a Reagentless Electrochemical DNA Biosensor with Conducting Polymer Film and Nanocomposite as Matrices for the Detection of the HIV DNA Sequences. *Analytical Letters*, **2006**, 39, 467-482	2.2	32
12	Electron-Transfer Mediator Microbiosensor Fabrication Based on Immobilizing HRP-Labeled Au Colloids on Gold Electrode Surface by 11-Mercaptoundecanoic Acid Monolayer. *Electroanalysis*, **2006**, 18, 259-266	3	35

11	An Amperometric Immunosensor for Rubella Vaccine. *Analytical Letters*, **2005**, 38, 1549-1558	2.2	2
10	Potentiometric Immunosensor Based on Immobilization of Hepatitis B Surface Antibody on Platinum Electrode Modified Silver Colloids and Polyvinyl Butyral as Matrixes. *Electroanalysis*, **2005**, 17, 155-161	3	16
9	Novel Membrane Potentiometric Thiocyanate Sensor Based on Tribenzyltin(IV) Dithiocarbamate. *Electroanalysis*, **2005**, 17, 1003-1007	3	7
8	Highly Thiocyanate-Selective PVC Membrane Electrode Based on Lipophilic Ferrocene Derivative. *Electroanalysis*, **2005**, 17, 1865-1869	3	5
7	Electrochemical characteristics of a platinum electrode modified with a matrix of polyvinyl butyral and colloidal Ag containing immobilized horseradish peroxidase. *Analytical and Bioanalytical Chemistry*, **2005**, 381, 762-8	4.4	12
6	Highly sensitive potentiometric immunosensor for hepatitis B surface antigen diagnosis. *Science in China Series B: Chemistry*, **2005**, 48, 49-57		4
5	An Amperometric Biosensor for Glucose Based on Self-Assembling Nanoparticles and Electrosynthesis of Poly-o-Diaminobenzene on the Prussian Blue-Modified Gold Electrode. *Analytical Letters*, **2005**, 38, 1085-1097	2.2	9
4	Tricoordinate Schiff Base Copper(II) Complex as Neutral Carrier for Highly Selective Thiocyanate Electrode. *Analytical Letters*, **2005**, 38, 389-400	2.2	8
3	Highly Salicylate-Selective Membrane Electrode Based on N,N?-bis-(Furaldehyde)-Glycine Copper(II) Complex as Neutral Carrier. *Analytical Letters*, **2005**, 38, 45-56	2.2	4
2	Ultrasensitive potentiometric immunosensor based on SA and OCA techniques for immobilization of HBsAb with colloidal Au and polyvinyl butyral as matrixes. *Langmuir*, **2004**, 20, 7240-5	4	134
1	A Highly Selective Salicylate Electrode Based on Schiff Base Complexes of Cobalt(III). *Analytical Letters*, **2003**, 36, 2379-2392	2.2	11