

# Huangxian Ju

## List of Publications by Citations

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725  
papers

36,802  
citations

96  
h-index

149  
g-index

750  
ext. papers

40,434  
ext. citations

7.6  
avg, IF

7.85  
L-index

#	Paper	IF	Citations
725	MicroRNA: function, detection, and bioanalysis. <i>Chemical Reviews</i> , <b>2013</b> , 113, 6207-33	68.1	780
724	Fluorescence resonance energy transfer between quantum dots and graphene oxide for sensing biomolecules. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5511-7	7.8	694
723	Signal amplification using functional nanomaterials for biosensing. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 2122-34	58.5	438
722	Reagentless glucose biosensor based on direct electron transfer of glucose oxidase immobilized on colloidal gold modified carbon paste electrode. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 19, 177-83	11.8	399
721	Biomedical and clinical applications of immunoassays and immunosensors for tumor markers. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2007</b> , 26, 679-688	14.6	363
720	Electrochemical sensing of heavy metal ions with inorganic, organic and bio-materials. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 63, 276-286	11.8	361
719	Hydrogen peroxide sensor based on horseradish peroxidase-labeled Au colloids immobilized on gold electrode surface by cysteamine monolayer. <i>Analytica Chimica Acta</i> , <b>1999</b> , 391, 73-82	6.6	349
718	Cell-specific and pH-activatable rubyrin-loaded nanoparticles for highly selective near-infrared photodynamic therapy against cancer. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18850-8	16.4	337
717	Direct electrochemistry of horseradish peroxidase immobilized on a colloid/cysteamine-modified gold electrode. <i>Analytical Biochemistry</i> , <b>2000</b> , 278, 22-8	3.1	319
716	Electrogenerated chemiluminescence from a CdSe nanocrystal film and its sensing application in aqueous solution. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 6871-6	7.8	286
715	Anodic electrochemiluminescence of CdTe quantum dots and its energy transfer for detection of catechol derivatives. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 8055-60	7.8	270
714	Nanostructured FeS as a mimic peroxidase for biocatalysis and biosensing. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4321-6	4.8	262
713	Dual signal amplification of glucose oxidase-functionalized nanocomposites as a trace label for ultrasensitive simultaneous multiplexed electrochemical detection of tumor markers. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9730-6	7.8	254
712	Renewable reagentless hydrogen peroxide sensor based on direct electron transfer of horseradish peroxidase immobilized on colloidal gold-modified electrode. <i>Analytical Biochemistry</i> , <b>2002</b> , 307, 110-6	3.1	252
711	Direct electron transfer and enzymatic activity of hemoglobin in a hexagonal mesoporous silica matrix. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 19, 861-7	11.8	242
710	Highly sensitive multiple microRNA detection based on fluorescence quenching of graphene oxide and isothermal strand-displacement polymerase reaction. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 4587-93	7.8	228
709	Design and sensing applications of metal-organic framework composites. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 58, 71-78	14.6	225

708	Fluorescence quenching of carbon nitride nanosheet through its interaction with DNA for versatile fluorescence sensing. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 12182-8	7.8	222
707	Electrochemical and chemiluminescent immunosensors for tumor markers. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1461-70	11.8	219
706	A glucose biosensor based on direct electrochemistry of glucose oxidase immobilized on nitrogen-doped carbon nanotubes. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 25, 373-7	11.8	216
705	Immobilization of hemoglobin on zirconium dioxide nanoparticles for preparation of a novel hydrogen peroxide biosensor. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 19, 963-9	11.8	213
704	Triple signal amplification of graphene film, polybead carried gold nanoparticles as tracing tag and silver deposition for ultrasensitive electrochemical immunosensing. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3662-8	7.8	212
703	Fluorescent MoS <sub>2</sub> Quantum Dots: Ultrasonic Preparation, Up-Conversion and Down-Conversion Bioimaging, and Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3107-14	9.5	210
702	Preparation of porous titania sol-gel matrix for immobilization of horseradish peroxidase by a vapor deposition method. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 3579-83	7.8	207
701	Ultrasensitive multiplexed immunoassay with electrochemical stripping analysis of silver nanoparticles catalytically deposited by gold nanoparticles and enzymatic reaction. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 2726-32	7.8	197
700	Carbon nanohorn sensitized electrochemical immunosensor for rapid detection of microcystin-LR. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1117-22	7.8	197
699	Electrochemiluminescence sensors for scavengers of hydroxyl radical based on its annihilation in CdSe quantum dots film/peroxide system. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 6690-6	7.8	195
698	Switchable fluorescent imaging of intracellular telomerase activity using telomerase-responsive mesoporous silica nanoparticle. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13282-5	16.4	192
697	Low-potential photoelectrochemical biosensing using porphyrin-functionalized TiO <sub>2</sub> nanoparticles. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 8711-6	7.8	191
696	The use of polyethylenimine-grafted graphene nanoribbon for cellular delivery of locked nucleic acid modified molecular beacon for recognition of microRNA. <i>Biomaterials</i> , <b>2011</b> , 32, 3875-82	15.6	191
695	Multilayer membranes for glucose biosensing via layer-by-layer assembly of multiwall carbon nanotubes and glucose oxidase. <i>Analytical Biochemistry</i> , <b>2006</b> , 350, 138-44	3.1	189
694	Electrochemical synthesis of reduced graphene sheet-AuPd alloy nanoparticle composites for enzymatic biosensing. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 29, 159-66	11.8	186
693	Detection of NADH and ethanol based on catalytic activity of soluble carbon nanofiber with low overpotential. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 453-8	7.8	181
692	Biocompatible conductive architecture of carbon nanofiber-doped chitosan prepared with controllable electrodeposition for cytosensing. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 4442-7	7.8	174
691	Electrogenerated chemiluminescence of nanomaterials for bioanalysis. <i>Analyst, The</i> , <b>2013</b> , 138, 43-61	5	166

690	Immobilization of Biomolecules in Sol-Gels: Biological and Analytical Applications. <i>Critical Reviews in Analytical Chemistry</i> , <b>2006</b> , 36, 73-106	5.2	166
689	Streptavidin-Functionalized Silver-Nanoparticle-Enriched Carbon Nanotube Tag for Ultrasensitive Multiplexed Detection of Tumor Markers. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 2938-2943	15.6	163
688	A robust probe for lighting up intracellular telomerase via primer extension to open a nicked molecular beacon. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8205-8	16.4	161
687	Electrochemical Sensor for Lead Cation Sensitized with a DNA Functionalized Porphyrinic Metal-Organic Framework. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10635-41	7.8	160
686	Trace and label-free microRNA detection using oligonucleotide encapsulated silver nanoclusters as probes. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 8670-4	7.8	160
685	Conductive Mesocellular Silica/Carbon Nanocomposite Foams for Immobilization, Direct Electrochemistry, and Biosensing of Proteins. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 585-592	15.6	160
684	Application of Colloidal Gold in Protein Immobilization, Electron Transfer, and Biosensing. <i>Analytical Letters</i> , <b>2003</b> , 36, 1-19	2.2	160
683	Facile synthesis of yolk-shell structured inorganic-organic hybrid spheres with ordered radial mesochannels. <i>Advanced Materials</i> , <b>2014</b> , 26, 3741-7	24	158
682	A disposable electrochemical immunosensor for flow injection immunoassay of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 22, 102-8	11.8	158
681	A multifunctional nanomicelle for real-time targeted imaging and precise near-infrared cancer therapy. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9544-9	16.4	157
680	Porphyrin-encapsulated metal-organic frameworks as mimetic catalysts for electrochemical DNA sensing via allosteric switch of hairpin DNA. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3957-63	7.8	153
679	Ultrasensitive electrochemical detection of nucleic acids by template enhanced hybridization followed with rolling circle amplification. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7166-71	7.8	151
678	Chemiluminescence imaging immunoassay of multiple tumor markers for cancer screening. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 2410-5	7.8	150
677	Photo-Cross-Linked Scaffold with Kartogenin-Encapsulated Nanoparticles for Cartilage Regeneration. <i>ACS Nano</i> , <b>2016</b> , 10, 1292-9	16.7	147
676	Electrodeposition of silver/DNA hybrid nanoparticles for electrochemical sensing of hydrogen peroxide and glucose. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 1197-1203	5.1	147
675	Glucose sensor for flow injection analysis of serum glucose based on immobilization of glucose oxidase in titania sol-gel membrane. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 19, 401-9	11.8	147
674	Cascade signal amplification strategy for subattomolar protein detection by rolling circle amplification and quantum dots tagging. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 3337-42	7.8	146
673	Electrochemistry of Cytochrome c Immobilized on Colloidal Gold Modified Carbon Paste Electrodes and Its Electrocatalytic Activity. <i>Electroanalysis</i> , <b>2002</b> , 14, 141-147	3	146

672	A pH-activatable and aniline-substituted photosensitizer for near-infrared cancer theranostics. <i>Chemical Science</i> , <b>2015</b> , 6, 5969-5977	9.4	145
671	Molecular imprinting: a dynamic technique for diverse applications in analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 380, 587-605	4.4	143
670	Coreactant enhanced anodic electrochemiluminescence of CdTe quantum dots at low potential for sensitive biosensing amplified by enzymatic cycle. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5377-82	7.8	142
669	Simultaneous determination of guanine and adenine in DNA using an electrochemically pretreated glassy carbon electrode. <i>Analytica Chimica Acta</i> , <b>2002</b> , 461, 243-250	6.6	142
668	Photoelectrochemistry of free-base-porphyrin-functionalized zinc oxide nanoparticles and their applications in biosensing. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 9440-7	4.8	140
667	"Signal-on" photoelectrochemical sensing strategy based on target-dependent aptamer conformational conversion for selective detection of lead(II) ion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 15991-7	9.5	138
666	A bio-inspired support of gold nanoparticles-chitosan nanocomposites gel for immobilization and electrochemical study of K562 leukemia cells. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1341-6	6.9	136
665	Reagentless amperometric immunosensors based on direct electrochemistry of horseradish peroxidase for determination of carcinoma antigen-125. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 5429-34	7.8	136
664	Design and biosensing of Mg <sup>2+</sup> -dependent DNAzyme-triggered ratiometric electrochemiluminescence. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 5158-63	7.8	135
663	Renewable phenol biosensor based on a tyrosinase-colloidal gold modified carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2003</b> , 540, 61-67	4.1	134
662	Surface molecularly imprinted nanowire for protein specific recognition. <i>Chemical Communications</i> , <b>2008</b> , 5761-3	5.8	130
661	A gold nanoparticles/sol-gel composite architecture for encapsulation of immunoconjugate for reagentless electrochemical immunoassay. <i>Biomaterials</i> , <b>2006</b> , 27, 2313-21	15.6	129
660	A conductive ormosil encapsulated with ferrocene conjugate and multiwall carbon nanotubes for biosensing application. <i>Biomaterials</i> , <b>2006</b> , 27, 1167-74	15.6	128
659	Amperometric biosensor for hydrogen peroxide based on ferrocene-bovine serum albumin and multiwall carbon nanotube modified ormosil composite. <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 21, 1529-35 <sup>11.8</sup>	11.8	128
658	Effective cell capture with tetrapeptide-functionalized carbon nanotubes and dual signal amplification for cytosensing and evaluation of cell surface carbohydrate. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 3867-72	7.8	126
657	Highly selective detection of microRNA based on distance-dependent electrochemiluminescence resonance energy transfer between CdTe nanocrystals and Au nanoclusters. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 51, 431-6	11.8	123
656	Self-assembled DNA hydrogel as switchable material for aptamer-based fluorescent detection of protein. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 11077-82	7.8	123
655	Principles and applications of photoelectrochemical sensing strategies based on biofunctionalized nanostructures. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 96, 8-16	11.8	122

654	Electric field-driven strategy for multiplexed detection of protein biomarkers using a disposable reagentless electrochemical immunosensor array. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 6072-7	7.8	120
653	A DNA dual lock-and-key strategy for cell-subtype-specific siRNA delivery. <i>Nature Communications</i> , <b>2016</b> , 7, 13580	17.4	117
652	Ultrasensitive immunoassay of protein biomarker based on electrochemiluminescent quenching of quantum dots by hemin bio-bar-coded nanoparticle tags. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 5214-21	7.8	116
651	Functionalized graphene oxide mediated adriamycin delivery and miR-21 gene silencing to overcome tumor multidrug resistance in vitro. <i>PLoS ONE</i> , <b>2013</b> , 8, e60034	3.7	116
650	A sensitive electrochemical DNA biosensor for specific detection of Enterobacteriaceae bacteria by Exonuclease III-assisted signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 48, 132-7	11.8	114
649	Enzyme-quantum dots architecture for highly sensitive electrochemiluminescence biosensing of oxidase substrates. <i>Chemical Communications</i> , <b>2007</b> , 404-6	5.8	112
648	A simple electrochemical biosensor for highly sensitive and specific detection of microRNA based on mismatched catalytic hairpin assembly. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 343-349	11.8	110
647	Graphene-supported ferric porphyrin as a peroxidase mimic for electrochemical DNA biosensing. <i>Chemical Communications</i> , <b>2013</b> , 49, 916-8	5.8	110
646	Carbohydrate monolayer strategy for electrochemical assay of cell surface carbohydrate. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7224-5	16.4	110
645	Target-cell-specific delivery, imaging, and detection of intracellular microRNA with a multifunctional SnO <sub>2</sub> nanoprobe. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 4607-12	16.4	108
644	Amperometric determination of epinephrine with an osmium complex and Nafion double-layer membrane modified electrode. <i>Analytica Chimica Acta</i> , <b>1999</b> , 378, 151-157	6.6	108
643	Immunoreaction-triggered DNA assembly for one-step sensitive ratiometric electrochemical biosensing of protein biomarker. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 345-9	11.8	107
642	A Responsive "Nano String Light" for Highly Efficient mRNA Imaging in Living Cells via Accelerated DNA Cascade Reaction. <i>ACS Nano</i> , <b>2018</b> , 12, 263-271	16.7	105
641	Electrochemiluminescent quenching of quantum dots for ultrasensitive immunoassay through oxygen reduction catalyzed by nitrogen-doped graphene-supported hemin. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 5390-6	7.8	105
640	Flow-injection chemiluminescent immunoassay for alpha-fetoprotein based on epoxysilane modified glass microbeads. <i>Journal of Immunological Methods</i> , <b>2006</b> , 312, 61-7	2.5	105
639	A disposable multianalyte electrochemical immunosensor array for automated simultaneous determination of tumor markers. <i>Clinical Chemistry</i> , <b>2007</b> , 53, 1495-502	5.5	105
638	Platinum nanoparticles encapsulated metal-organic frameworks for the electrochemical detection of telomerase activity. <i>Chemical Communications</i> , <b>2016</b> , 52, 1226-9	5.8	104
637	Catalytic Hairpin Assembly-Programmed Porphyrin-DNA Complex as Photoelectrochemical Initiator for DNA Biosensing. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 5430-6	7.8	103

636	A porphyrin photosensitized metal-organic framework for cancer cell apoptosis and caspase responsive theranostics. <i>Chemical Communications</i> , <b>2015</b> , 51, 10831-4	5.8	102
635	Characterization, direct electrochemistry, and amperometric biosensing of graphene by noncovalent functionalization with picket-fence porphyrin. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 10771-7	4.8	101
634	Direct electrochemistry and electrocatalysis of myoglobin immobilized on a hexagonal mesoporous silica matrix. <i>Analytical Biochemistry</i> , <b>2004</b> , 332, 23-31	3.1	101
633	Motor-based autonomous microsensor for motion and counting immunoassay of cancer biomarker. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4501-7	7.8	100
632	Label-free surface-enhanced Raman spectroscopy for sensitive DNA detection by DNA-mediated silver nanoparticle growth. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 11788-93	7.8	98
631	Binding of acetylcholinesterase to multiwall carbon nanotube-cross-linked chitosan composite for flow-injection amperometric detection of an organophosphorous insecticide. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 1074-80	4.8	97
630	Quantum dots based electrochemiluminescent immunosensor by coupling enzymatic amplification with self-produced coreactant from oxygen reduction. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 7351-6	7.8	96
629	Highly sensitive electrocatalytic biosensing of hypoxanthine based on functionalization of graphene sheets with water-soluble conducting graft copolymer. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 371-6	11.8	96
628	Amperometric glucose sensor based on catalytic reduction of dissolved oxygen at soluble carbon nanofiber. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 479-84	11.8	96
627	"Off-on" electrochemiluminescence system for sensitive detection of ATP via target-induced structure switching. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 8735-41	7.8	95
626	Flow-through multianalyte chemiluminescent immunosensing system with designed substrate zone-resolved technique for sequential detection of tumor markers. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 6999-7005	7.8	95
625	Direct electron transfer of cytochrome c immobilized on a NaY zeolite matrix and its application in biosensing. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 2139-2144	6.7	95
624	CdS/MoS <sub>2</sub> heterojunction-based photoelectrochemical DNA biosensor via enhanced chemiluminescence excitation. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 557-64	11.8	94
623	Highly sensitive amperometric biosensors for phenols based on polyaniline-ionic liquid-carbon nanofiber composite. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1858-63	11.8	94
622	Multifunctional Poly(L-lactide)-Polyethylene Glycol-Grafted Graphene Quantum Dots for Intracellular MicroRNA Imaging and Combined Specific-Gene-Targeting Agents Delivery for Improved Therapeutics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 11015-23	9.5	92
621	A bienzyme channeling glucose sensor with a wide concentration range based on co-entrapment of enzymes in SBA-15 mesopores. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 1070-6	11.8	92
620	Low-potential electrochemiluminescent sensing based on surface unpassivation of CdTe quantum dots and competition of analyte cation to stabilizer. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 3359-64	7.8	91
619	A Molecularly Imprinted Copolymer Designed for Enantioselective Recognition of Glutamic Acid. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3223-3230	15.6	91

618	Porphyrinic metal-organic framework as electrochemical probe for DNA sensing via triple-helix molecular switch. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 71, 373-379	11.8	90
617	Nitrogen-doped porous carbon derived from metal-organic gel for electrochemical analysis of heavy-metal ion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16210-6	9.5	90
616	Selective electrochemical detection of cysteine in complex serum by graphene nanoribbon. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 32, 293-6	11.8	90
615	Chemiluminescence excited photoelectrochemistry using graphene-quantum dots nanocomposite for biosensing. <i>Chemical Communications</i> , <b>2012</b> , 48, 6535-7	5.8	90
614	Channel and substrate zone two-dimensional resolution for chemiluminescent multiplex immunoassay. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 7376-82	7.8	90
613	Mediator-free phenol sensor based on titania sol-gel encapsulation matrix for immobilization of tyrosinase by a vapor deposition method. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 19, 509-14	11.8	90
612	Multifunctional Metal-Organic Framework Nanoprobe for Cathepsin B-Activated Cancer Cell Imaging and Chemo-Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2150-2158	9.5	89
611	Fundamentals and bioanalytical applications of functional quantum dots as electrogenerated emitters of chemiluminescence. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 1351-1359	14.6	89
610	Electrochemiluminescent biosensing of carbohydrate-functionalized CdS nanocomposites for in situ label-free analysis of cell surface carbohydrate. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2500-5	11.8	89
609	Dopamine detection based on its quenching effect on the anodic electrochemiluminescence of CdSe quantum dots. <i>Analyst, The</i> , <b>2008</b> , 133, 1161-3	5	88
608	Label-free and high-sensitive detection of Salmonella using a surface plasmon resonance DNA-based biosensor. <i>Journal of Biotechnology</i> , <b>2012</b> , 160, 123-8	3.7	86
607	Disposable electrochemical immunosensor by using carbon sphere/gold nanoparticle composites as labels for signal amplification. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 4994-8	4.8	86
606	Voltammetric Behavior and Detection of DNA at Electrochemically Pretreated Glassy Carbon Electrode. <i>Electroanalysis</i> , <b>2001</b> , 13, 1105-1109	3	86
605	Triplex signal amplification for electrochemical DNA biosensing by coupling probe-gold nanoparticles-graphene modified electrode with enzyme functionalized carbon sphere as tracer. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 33, 228-32	11.8	85
604	An amperometric immunosensor for separation-free immunoassay of CA125 based on its covalent immobilization coupled with thionine on carbon nanofiber. <i>Journal of Immunological Methods</i> , <b>2007</b> , 322, 12-9	2.5	85
603	A simple electrochemical cytosensor array for dynamic analysis of carcinoma cell surface glycans. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6465-8	16.4	83
602	Rapid detection of ssDNA and RNA using multi-walled carbon nanotubes modified screen-printed carbon electrode. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 21, 735-41	11.8	83
601	Effect of electrolytes on the electrochemical behaviour of 11-(ferrocenylcarbonyloxy)undecanethiol SAMs on gold disk electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 1549-1554	3.6	83



600	A black phosphorus/manganese dioxide nanoplatfom: Oxygen self-supply monitoring, photodynamic therapy enhancement and feedback. <i>Biomaterials</i> , <b>2019</b> , 192, 179-188	15.6	83
599	Gold Nanoparticles Deposited Polyaniline-TiO <sub>2</sub> Nanotube for Surface Plasmon Resonance Enhanced Photoelectrochemical Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 341-9	9.5	82
598	Electrochemical antitumor drug sensitivity test for leukemia K562 cells at a carbon-nanotube-modified electrode. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 1467-72	4.8	82
597	Proximity hybridization regulated DNA biogate for sensitive electrochemical immunoassay. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7494-9	7.8	81
596	Electrogenerated chemiluminescence detection of amino acids based on precolumn derivatization coupled with capillary electrophoresis separation. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 2694-9	7.8	81
595	Nanoscaled Porphyrinic Metal-Organic Frameworks for Electrochemical Detection of Telomerase Activity via Telomerase Triggered Conformation Switch. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 10680-10686	7.8	81
594	Ratiometric electrochemical proximity assay for sensitive one-step protein detection. <i>Scientific Reports</i> , <b>2014</b> , 4, 4360	4.9	80
593	TiO-BiVO Heterostructure to Enhance Photoelectrochemical Efficiency for Sensitive Aptasensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27185-27192	9.5	80
592	Visible light induced photoelectrochemical biosensing based on oxygen-sensitive quantum dots. <i>Analytica Chimica Acta</i> , <b>2012</b> , 744, 33-8	6.6	80
591	Manganese porphyrin-dsDNA complex: a mimicking enzyme for highly efficient bioanalysis. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3374-9	7.8	80
590	Amplified electrochemiluminescence of quantum dots by electrochemically reduced graphene oxide for nanobiosensing of acetylcholine. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4552-8	11.8	80
589	Automated support-resolution strategy for a one-way chemiluminescent multiplex immunoassay. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 5484-9	7.8	79
588	Electrocatalysis via Direct Electrochemistry of Myoglobin Immobilized on Colloidal Gold Nanoparticles. <i>Electroanalysis</i> , <b>2003</b> , 15, 1488-1493	3	79
587	Functionalization of carbon nanotubes with water-insoluble porphyrin in ionic liquid: direct electrochemistry and highly sensitive amperometric biosensing for trichloroacetic acid. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 779-84	4.8	78
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584	Zirconia nanoparticles enhanced grafted collagen tri-helix scaffold for unmediated biosensing of hydrogen peroxide. <i>Langmuir</i> , <b>2006</b> , 22, 8915-9	4	77
583	Preparation of ormosil and its applications in the immobilizing biomolecules. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 114, 1071-1082	8.5	77

582	A Rapid and Sensitive Aptamer-Based Electrochemical Biosensor for Direct Detection of Escherichia Coli O111. <i>Electroanalysis</i> , <b>2012</b> , 24, 1186-1191	3	76
581	Lectin-based nanoprobe functionalized with enzyme for highly sensitive electrochemical monitoring of dynamic carbohydrate expression on living cells. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 1292-8	7.8	76
580	Channel-resolved multianalyte immunosensing system for flow-through chemiluminescent detection of alpha-fetoprotein and carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 1063-9	11.8	76
579	A reagentless hydrogen peroxide sensor based on incorporation of horseradish peroxidase in poly(thionine) film on a monolayer modified electrode. <i>Analytica Chimica Acta</i> , <b>1999</b> , 391, 299-306	6.6	76
578	Cathode photoelectrochemical sensing of copper(II) based on analyte-induced formation of exciton trapping. <i>Chemical Communications</i> , <b>2012</b> , 48, 10216-8	5.8	75
577	Host-guest interaction of adamantane with a $\beta$ -cyclodextrin-functionalized AuPd bimetallic nanoprobe for ultrasensitive electrochemical immunoassay of small molecules. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 6505-10	7.8	75
576	Highly sensitive fluorescent analysis of dynamic glycan expression on living cells using glyconanoparticles and functionalized quantum dots. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7006-12	7.8	75
575	Signal amplification of streptavidin-horseradish peroxidase functionalized carbon nanotubes for amperometric detection of attomolar DNA. <i>Chemical Communications</i> , <b>2011</b> , 47, 5220-2	5.8	75
574	Gold nanoparticle as an electrochemical label for inherently crosstalk-free multiplexed immunoassay on a disposable chip. <i>Analytica Chimica Acta</i> , <b>2010</b> , 666, 97-101	6.6	75
573	Novel amperometric immunosensor for rapid separation-free immunoassay of carcinoembryonic antigen. <i>Journal of Immunological Methods</i> , <b>2004</b> , 287, 13-20	2.5	75
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569	Aptamer loaded MoS <sub>2</sub> nanoplates as nanoprobe for detection of intracellular ATP and controllable photodynamic therapy. <i>Nanoscale</i> , <b>2015</b> , 7, 15953-61	7.7	74
568	Electrochemical detection of Cu <sup>2+</sup> through Ag nanoparticle assembly regulated by copper-catalyzed oxidation of cysteamine. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 272-7	11.8	74
567	Electrochemical stripping analysis of nanogold label-induced silver deposition for ultrasensitive multiplexed detection of tumor markers. <i>Analytica Chimica Acta</i> , <b>2012</b> , 721, 1-6	6.6	74
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565	Amperometric biosensor for hydrogen peroxide based on hemoglobin entrapped in titania sol-gel film. <i>Analytica Chimica Acta</i> , <b>2003</b> , 486, 209-216	6.6	74

564	Target-driven DNA association to initiate cyclic assembly of hairpins for biosensing and logic gate operation. <i>Chemical Science</i> , <b>2015</b> , 6, 4318-4323	9.4	73
563	Catalytic Hairpin Assembly Actuated DNA Nanotweezer for Logic Gate Building and Sensitive Enzyme-Free Biosensing of MicroRNAs. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7500-6	7.8	73
562	A wavelength-resolved ratiometric photoelectrochemical technique: design and sensing applications. <i>Chemical Science</i> , <b>2016</b> , 7, 774-780	9.4	72
561	In situ generation of electron acceptor for photoelectrochemical biosensing via hemin-mediated catalytic reaction. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 12362-8	7.8	72
560	Trends in cell-based electrochemical biosensors. <i>Current Medicinal Chemistry</i> , <b>2008</b> , 15, 3160-70	4.3	72
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556	Colloidal gold nanoparticle modified carbon paste interface for studies of tumor cell adhesion and viability. <i>Biomaterials</i> , <b>2005</b> , 26, 6487-95	15.6	71
555	A plasmonic colorimetric strategy for biosensing through enzyme guided growth of silver nanoparticles on gold nanostars. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 78, 267-273	11.8	70
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552	Dual-triggered oxygen self-supply black phosphorus nanosystem for enhanced photodynamic therapy. <i>Biomaterials</i> , <b>2018</b> , 172, 83-91	15.6	68
551	A novel electrochemical sensing strategy for rapid and ultrasensitive detection of Salmonella by rolling circle amplification and DNA-AuNPs probe. <i>Analytica Chimica Acta</i> , <b>2014</b> , 846, 44-50	6.6	68
550	Stepwise chemical reaction strategy for highly sensitive electrochemiluminescent detection of dopamine. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8001-7	7.8	68
549	A disposable two-throughput electrochemical immunosensor chip for simultaneous multianalyte determination of tumor markers. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 114-20	11.8	68
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545	Electrochemical sensor for immunoassay of carcinoembryonic antigen based on thionine monolayer modified gold electrode. <i>Cancer Detection and Prevention</i> , <b>2005</b> , 29, 233-40		66
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527	Circulating tumor cells in perioperative esophageal cancer patients: quantitative assay system and potential clinical utility. <i>Clinical Cancer Research</i> , <b>2007</b> , 13, 2992-7	12.9	61
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523	Quantum dot-functionalized porous ZnO nanosheets as a visible light induced photoelectrochemical platform for DNA detection. <i>Nanoscale</i> , <b>2014</b> , 6, 2710-7	7.7	60
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520	DNA Sensor for Recognition of Native Yeast DNA Sequence with Methylene Blue as an Electrochemical Hybridization Indicator. <i>Electroanalysis</i> , <b>2002</b> , 14, 949	3	60
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507	Multilayer hemin/G-quadruplex wrapped gold nanoparticles as tag for ultrasensitive multiplex immunoassay by chemiluminescence imaging. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 43, 372-8	11.8	57
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491	Folate receptor-targeted and cathepsin B-activatable nanoprobe for in situ therapeutic monitoring of photosensitive cell death. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3841-8	7.8	53
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477	Dual resonance energy transfer in triple-component polymer dots to enhance electrochemiluminescence for highly sensitive bioanalysis. <i>Chemical Science</i> , <b>2019</b> , 10, 6815-6820	9.4	51
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458	Amperometric sensor for ethanol based on one-step electropolymerization of thionine-carbon nanofiber nanocomposite containing alcohol oxidase. <i>Talanta</i> , <b>2007</b> , 74, 387-92	6.2	46
457	In Situ siRNA Assembly in Living Cells for Gene Therapy with MicroRNA Triggered Cascade Reactions Templated by Nucleic Acids. <i>ACS Nano</i> , <b>2018</b> , 12, 10797-10806	16.7	46



456	Amperometric detection of hypoxanthine and xanthine by enzymatic amplification using a gold nanoparticles-carbon nanohorn hybrid as the carrier. <i>Analyst, The</i> , <b>2012</b> , 137, 3126-31	5	45
455	Carbon nanospheres enhanced electrochemiluminescence of CdS quantum dots for biosensing of hypoxanthine. <i>Talanta</i> , <b>2011</b> , 85, 2154-8	6.2	44
454	A channel-resolved approach coupled with magnet-captured technique for multianalyte chemiluminescent immunoassay. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 1422-8	11.8	44
453	A designer ormosil gel for preparation of sensitive immunosensor for carcinoembryonic antigen based on simple direct electron transfer. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 1835-1839	5.1	44
452	Catalytic oxidation of nitric oxide and nitrite mediated by water-soluble high-valent iron porphyrins at an ITO electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2004</b> , 567, 331-338	4.1	44
451	Flow injection immunoassay for carcinoembryonic antigen combined with time-resolved fluorometric detection. <i>Journal of Immunological Methods</i> , <b>2005</b> , 305, 120-7	2.5	44
450	Collapse of DNA Tetrahedron Nanostructure for "Off-On" Fluorescence Detection of DNA Methyltransferase Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40087-40093	9.5	43
449	A simple electrochemical aptasensor for ultrasensitive protein detection using cyclic target-induced primer extension. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 36, 12-7	11.8	43
448	A disposable impedance sensor for electrochemical study and monitoring of adhesion and proliferation of K562 leukaemia cells. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 953-958	5.1	43
447	Detection of Trace Phenol Based on Mesoporous Silica Derived Tyrosinase-Peroxidase Biosensor. <i>Electroanalysis</i> , <b>2005</b> , 17, 1571-1577	3	43
446	Electrochemiluminescent Imaging for Multi-immunoassay Sensitized by Dual DNA Amplification of Polymer Dot Signal. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7708-7714	7.8	43
445	Electroactive Metal-Organic Frameworks as Emitters for Self-Enhanced Electrochemiluminescence in Aqueous Medium. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10446-10450	16.4	42
444	One-step coelectrodeposition-assisted layer-by-layer assembly of gold nanoparticles and reduced graphene oxide and its self-healing three-dimensional nanohybrid for an ultrasensitive DNA sensor. <i>Nanoscale</i> , <b>2018</b> , 10, 1196-1206	7.7	42
443	A colorimetric assay method for invA gene of Salmonella using DNAzyme probe self-assembled gold nanoparticles as single tag. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 198, 87-93	8.5	42
442	Electrochemical immunosensor for competitive detection of neuron specific enolase using functional carbon nanotubes and gold nanoprobe. <i>Talanta</i> , <b>2012</b> , 93, 433-8	6.2	42
441	Simultaneous electrochemiluminescence determination of sulphiride and tiapride by capillary electrophoresis with cyclodextrin additives. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 835, 84-9	3.2	42
440	A ferrocenyl-terminated dendrimer as an efficient quencher via electron and energy transfer for cathodic electrochemiluminescent bioanalysis. <i>Chemical Communications</i> , <b>2013</b> , 49, 2106-8	5.8	41
439	Layer-by-layer hydroxymethyl ferrocene modified sensor for one-step flow/stop-flow injection amperometric immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1700-6	11.8	41

438	Reagentless biosensor for hydrogen peroxide based on immobilization of protein in zirconia nanoparticles enhanced grafted collagen matrix. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1776-82	11.8	41
437	Correlation between serum vascular endothelial growth factor and endostatin levels in patients with breast cancer. <i>Cancer Letters</i> , <b>2004</b> , 204, 87-95	9.9	41
436	A disposable amperometric immunosensor for alpha-1-fetoprotein based on enzyme-labeled antibody/chitosan-membrane-modified screen-printed carbon electrode. <i>Analytical Biochemistry</i> , <b>2004</b> , 331, 98-105	3.1	41
435	Synthesis of Bismuth-Nanoparticle-Enriched Nanoporous Carbon on Graphene for Efficient Electrochemical Analysis of Heavy-Metal Ions. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11525-30	4.8	40
434	In situ scanometric assay of cell surface carbohydrate by glyconanoparticle-aggregation-regulated silver enhancement. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5804-9	7.8	40
433	Sensitive reagentless electrochemical immunosensor based on an ormosil sol-gel membrane for human chorionic gonadotrophin. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2945-51	11.8	40
432	Simultaneous determination of l- and d-lactic acid in plasma by capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 814, 393-8	3.2	40
431	Chemiluminescence imaging for microRNA detection based on cascade exponential isothermal amplification machinery. <i>Analytica Chimica Acta</i> , <b>2016</b> , 936, 229-35	6.6	40
430	An efficient enzyme-powered micromotor device fabricated by cyclic alternate hybridization assembly for DNA detection. <i>Nanoscale</i> , <b>2017</b> , 9, 9026-9033	7.7	39
429	Quench-Type Electrochemiluminescence Immunosensor Based on Resonance Energy Transfer from Carbon Nanotubes and Au-Nanoparticles-Enhanced -CN to CuO@Polydopamine for Procalcitonin Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 8006-8015	9.5	39
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427	Synthesis and Application of CeO/SnS Heterostructures as a Highly Efficient Coreaction Accelerator in the Luminol-Dissolved O System for Ultrasensitive Biomarkers Immunoassay. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14066-14073	7.8	39
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425	Highly sensitive rapid chemiluminescent immunoassay using the DNAzyme label for signal amplification. <i>Analyst, The</i> , <b>2011</b> , 136, 4295-300	5	38
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421	Electrochemiluminescent DNA sensing using carbon nitride nanosheets as emitter for loading of hemin labeled single-stranded DNA. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 73, 7-12	11.8	37

4 <sup>20</sup>	A sandwich-type photoelectrochemical immunosensor for NT-pro BNP detection based on F-BiWO/AgS and GO/PDA for signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 131, 299-306	11.8	36
4 <sup>19</sup>	A Tyrosinase-Responsive Nonenzymatic Redox Cycling for Amplified Electrochemical Immunosensing of Protein. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9856-9861	7.8	36
4 <sup>18</sup>	Signal amplification for electrochemical immunosensing by in situ assembly of host-guest linked gold nanorod superstructure on immunocomplex. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 45, 195-200	11.8	36
4 <sup>17</sup>	Sampling-resolution strategy for one-way multiplexed immunoassay with sequential chemiluminescent detection. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5654-9	7.8	36
4 <sup>16</sup>	Functional multiwalled carbon nanotube nanocomposite with iron picket-fence porphyrin and its electrocatalytic behavior. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2564-2570	5.1	36
4 <sup>15</sup>	Dendritic Silver/Silicon Dioxide Nanocomposite Modified Electrodes for Electrochemical Sensing of Hydrogen Peroxide. <i>Electroanalysis</i> , <b>2008</b> , 20, 1839-1844	3	36
4 <sup>14</sup>	A mononuclear complex of norfloxacin with silver(I) and its properties. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 819-822	3.1	36
4 <sup>13</sup>	Dual Intramolecular Electron Transfer for In Situ Coreactant-Embedded Electrochemiluminescence Microimaging of Membrane Protein. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 197-201	16.4	36
4 <sup>12</sup>	Quench-type electrochemiluminescence immunosensor for detection of amyloid $\beta$ -protein based on resonance energy transfer from luminol@SnS-Pd to Cu doped WO nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 133, 192-198	11.8	35
4 <sup>11</sup>	Sensitive biosensing strategy based on functional nanomaterials. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1202-1217	7.3	35
4 <sup>10</sup>	A facile scanometric strategy for ultrasensitive detection of protein using aptamer-initiated rolling circle amplification. <i>Chemical Communications</i> , <b>2010</b> , 46, 6720-2	5.8	35
4 <sup>09</sup>	Electrogenerated chemiluminescence of CdSe hollow spherical assemblies in aqueous system by immobilization in carbon paste. <i>Journal of Electroanalytical Chemistry</i> , <b>2005</b> , 579, 175-180	4.1	35
4 <sup>08</sup>	High-throughput imaging assay of multiple proteins target-induced DNA assembly and cleavage. <i>Chemical Science</i> , <b>2015</b> , 6, 2602-2607	9.4	34
4 <sup>07</sup>	Signal amplification by adsorption-induced catalytic reduction of dissolved oxygen on nitrogen-doped carbon nanotubes for electrochemiluminescent immunoassay. <i>Chemical Communications</i> , <b>2011</b> , 47, 12107-9	5.8	34
4 <sup>06</sup>	Plasmonic coupling of dual gold nanoprobe for SERS imaging of sialic acids on living cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 10640-3	5.8	34
4 <sup>05</sup>	A carbon dot and molecular beacon based fluorometric sensor for the cancer marker microRNA-21. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 132	5.8	33
4 <sup>04</sup>	Colorimetric and energy transfer based fluorometric turn-on method for determination of microRNA using silver nanoclusters and gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 286	5.8	33
4 <sup>03</sup>	Double electrochemiluminescence quenching effects of FeO@PDA-CuO towards self-enhanced Ru(bpy) functionalized MOFs with hollow structure and its application to procalcitonin immunosensing. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 142, 111521	11.8	33

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393	Simultaneous Electrochemiluminescence Detection of Anisodamine, Atropine, and Scopolamine in <i>Flos daturae</i> by Capillary Electrophoresis Using $\beta$ -Cyclodextrin as Additive. <i>Electroanalysis</i> , <b>2007</b> , 19, 1569 <sup>3</sup> -1574 <sup>32</sup>		
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382	Localized Chemical Remodeling for Live Cell Imaging of Protein-Specific Glycoform. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8139-8143	16.4	30
381	A novel and versatile nanomachine for ultrasensitive and specific detection of microRNAs based on molecular beacon initiated strand displacement amplification coupled with catalytic hairpin assembly with DNAzyme formation. <i>Analyst, The</i> , <b>2015</b> , 140, 5469-74	5	30
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379	Multiplexed electrochemical immunoassay using streptavidin/nanogold/carbon nanohorn as a signal tag to induce silver deposition. <i>Analytica Chimica Acta</i> , <b>2014</b> , 847, 37-43	6.6	30
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375	Hydrogen peroxide biosensor based on hemoglobin modified zirconia nanoparticles-grafted collagen matrix. <i>Analytica Chimica Acta</i> , <b>2007</b> , 582, 361-6	6.6	30
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368	Highly sensitive flow injection detection of hydrogen peroxide with high throughput using a carbon nanofiber-modified electrode. <i>Analyst, The</i> , <b>2007</b> , 132, 406-8	5	29
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202	Etching Triangular Silver Nanoparticles by Self-generated Hydrogen Peroxide to Initiate the Response of an Electrochemiluminescence Sensing Platform. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 14203-14209	7.8	13
201	Intramolecular Coreaction Accelerated Electrochemiluminescence of Polypeptide-Biomaterialized Gold Nanoclusters for Targeted Detection of Biomarkers. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 9179-9187	7.8	12
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199	Sensitive fluorescence detection of DNA using isothermal exponential amplification coupled quantum dots coated silica nanospheres as label. <i>RSC Advances</i> , <b>2013</b> , 3, 13163	3.7	12
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188	A signal-off electrochemical sensing platform based on Fe <sub>3</sub> S <sub>4</sub> -Pd and pineal mesoporous bioactive glass for procalcitonin detection. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 320, 128324	8.5	11
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76	Biofunctionalization of Nanomaterials <b>2011</b> , 1-38		3
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