Hong-Yuan Chen

List of Publications by Citations

926 papers	44,126 citations	100 h-index	160 g-index
968 ext. papers	49,099 ext. citations	7.1 avg, IF	7.91 L-index

#	Paper	IF	Citations
926	Multi-messenger Observations of a Binary Neutron Star Merger. *Astrophysical Journal Letters*, **2017**, 848, L12	7.9	1935
925	Photoelectrochemical bioanalysis: the state of the art. *Chemical Society Reviews*, **2015**, 44, 729-41	58.5	580
924	Photoelectrochemical DNA biosensors. *Chemical Reviews*, **2014**, 114, 7421-41	68.1	579
923	Energy Level Engineering of MoS by Transition-Metal Doping for Accelerating Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2017**, 139, 15479-15485	16.4	516
922	Functional nanoprobes for ultrasensitive detection of biomolecules. *Chemical Society Reviews*, **2010**, 39, 4234-43	58.5	492
921	Hot electron of Au nanorods activates the electrocatalysis of hydrogen evolution on MoS2 nanosheets. *Journal of the American Chemical Society*, **2015**, 137, 7365-70	16.4	440
920	Preparation of CuO nanoparticles by microwave irradiation. *Journal of Crystal Growth*, **2002**, 244, 88-94	1.6	437
919	Hydrogen peroxide sensor based on horseradish peroxidase-labeled Au colloids immobilized on gold electrode surface by cysteamine monolayer. *Analytica Chimica Acta*, **1999**, 391, 73-82	6.6	349
918	Direct electron transfer and characterization of hemoglobin immobilized on a Au colloid□ysteamine-modified gold electrode. *Journal of Electroanalytical Chemistry*, **2001**, 516, 119-126	4.1	345
917	A glucose biosensor based on chitosan-glucose oxidase-gold nanoparticles biocomposite formed by one-step electrodeposition. *Analytical Biochemistry*, **2004**, 334, 284-9	3.1	340
916	Two-photon excitation nanoparticles for photodynamic therapy. *Chemical Society Reviews*, **2016**, 45, 6725-6741	58.5	339
915	CdS nanocrystal-based electrochemiluminescence biosensor for the detection of low-density lipoprotein by increasing sensitivity with gold nanoparticle amplification. *Analytical Chemistry*, **2007**, 79, 5574-81	7.8	315
914	Gold nanoparticle enhanced electrochemiluminescence of CdS thin films for ultrasensitive thrombin detection. *Analytical Chemistry*, **2011**, 83, 4004-11	7.8	264
913	Electrochemiluminescence immunosensor based on CdSe nanocomposites. *Analytical Chemistry*, **2008**, 80, 4033-9	7.8	249
912	Distance-dependent quenching and enhancing of electrochemiluminescence from a CdS:Mn nanocrystal film by Au nanoparticles for highly sensitive detection of DNA. *Chemical Communications*, **2009**, 905-7	5.8	246
911	Direct electron transfer and enzymatic activity of hemoglobin in a hexagonal mesoporous silica matrix. *Biosensors and Bioelectronics*, **2004**, 19, 861-7	11.8	242
910	Electrochemically deposited chitosan hydrogel for horseradish peroxidase immobilization through gold nanoparticles self-assembly. *Biosensors and Bioelectronics*, **2005**, 21, 190-6	11.8	242

909	Highly sensitive photoelectrochemical immunoassay with enhanced amplification using horseradish peroxidase induced biocatalytic precipitation on a CdS quantum dots multilayer electrode. *Analytical Chemistry*, **2012**, 84, 917-23	7.8	241
908	Fe3O4/Polypyrrole/Au nanocomposites with core/shell/shell structure: synthesis, characterization, and their electrochemical properties. *Langmuir*, **2008**, 24, 13748-52	4	239
907	Direct electrochemistry and electrocatalysis of heme proteins immobilized on gold nanoparticles stabilized by chitosan. *Analytical Biochemistry*, **2005**, 342, 280-6	3.1	239
906	Dual-Wavelength Electrochemiluminescence Ratiometry Based on Resonance Energy Transfer between Au Nanoparticles Functionalized g-C3N4 Nanosheet and Ru(bpy)3(2+) for microRNA Detection. *Analytical Chemistry*, **2016**, 88, 937-44	7.8	235
905	Ultrasonic-assisted synthesis of monodisperse single-crystalline silver nanoplates and gold nanorings. *Inorganic Chemistry*, **2004**, 43, 5877-83	5.1	233
904	Label-free photoelectrochemical immunoassay for alpha-fetoprotein detection based on TiO(2)/CdS hybrid. *Biosensors and Bioelectronics*, **2009**, 25, 791-6	11.8	222
903	A Label-Free Photoelectrochemical Immunosensor Based on Water-Soluble CdS Quantum Dots. *Journal of Physical Chemistry C*, **2009**, 113, 11142-11148	3.8	218
902	Ratiometric fluorescence, electrochemiluminescence, and photoelectrochemical chemo/biosensing based on semiconductor quantum dots. *Nanoscale*, **2016**, 8, 8427-42	7.7	216
901	Immobilization of hemoglobin on zirconium dioxide nanoparticles for preparation of a novel hydrogen peroxide biosensor. *Biosensors and Bioelectronics*, **2004**, 19, 963-9	11.8	213
900	Electrochemically deposited nanocomposite of chitosan and carbon nanotubes for biosensor application. *Chemical Communications*, **2005**, 2169-71	5.8	202
899	Photolithographic boronate affinity molecular imprinting: a general and facile approach for glycoprotein imprinting. *Angewandte Chemie - International Edition*, **2013**, 52, 7451-4	16.4	201
898	Gold Nanoparticle□olloidal Carbon Nanosphere Hybrid Material: Preparation, Characterization, and Application for an Amplified Electrochemical Immunoassay. *Advanced Functional Materials*, **2008**, 18, 2197-2204	15.6	199
897	Electrochemically generated versus photoexcited luminescence from semiconductor nanomaterials: bridging the valley between two worlds. *Chemical Reviews*, **2014**, 114, 11027-59	68.1	195
896	In situ enzymatic ascorbic acid production as electron donor for CdS quantum dots equipped TiO2 nanotubes: a general and efficient approach for new photoelectrochemical immunoassay. *Analytical Chemistry*, **2012**, 84, 10518-21	7.8	192
895	Amperometric hydrogen peroxide biosensor with sol-gel/chitosan network-like film as immobilization matrix. *Biosensors and Bioelectronics*, **2003**, 18, 335-43	11.8	190
894	An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. *Electroanalysis*, **2003**, 15, 219-224	3	188
893	Sonochemical Method for the Preparation of Bismuth Sulfide Nanorods. *Journal of Physical Chemistry B*, **2002**, 106, 3848-3854	3.4	188
892	Multilayer membranes via layer-by-layer deposition of organic polymer protected Prussian blue nanoparticles and glucose oxidase for glucose biosensing. *Langmuir*, **2005**, 21, 9630-4	4	187

891	Electrochemiluminescence ratiometry: a new approach to DNA biosensing. *Analytical Chemistry*, **2013**, 85, 5321-5	7.8	186
890	Versatile immunosensor using CdTe quantum dots as electrochemical and fluorescent labels. *Analytical Chemistry*, **2007**, 79, 8494-501	7.8	186
889	The Synergistic Effect of Prussian-Blue-Grafted Carbon Nanotube/Poly(4-vinylpyridine) Composites for Amperometric Sensing. *Advanced Functional Materials*, **2007**, 17, 1574-1580	15.6	182
888	Ring-opening polymerization with synergistic co-monomers: access to a boronate-functionalized polymeric monolith for the specific capture of cis-diol-containing biomolecules under neutral conditions. *Angewandte Chemie - International Edition*, **2009**, 48, 6704-7	16.4	181
887	A simple method to fabricate a chitosan-gold nanoparticles film and its application in glucose biosensor. *Bioelectrochemistry*, **2007**, 70, 342-7	5.6	181
886	Photoelectrochemical Immunoassays. *Analytical Chemistry*, **2018**, 90, 615-627	7.8	181
885	Synthesis and Characterization of Prussian Blue Modified Magnetite Nanoparticles and Its Application to the Electrocatalytic Reduction of H2O2. *Chemistry of Materials*, **2005**, 17, 3154-3159	9.6	180
884	Quantum dots: electrochemiluminescent and photoelectrochemical bioanalysis. *Analytical Chemistry*, **2015**, 87, 9520-31	7.8	179
883	One-dimensional BiPO4 nanorods and two-dimensional BiOCl lamellae: fast low-temperature sonochemical synthesis,characterization, and growth mechanism. *Inorganic Chemistry*, **2005**, 44, 8503-9	5.1	176
882	In-situ synthesis of poly(dimethylsiloxane)-gold nanoparticles composite films and its application in microfluidic systems. *Lab on A Chip*, **2008**, 8, 352-7	7.2	173
881	Signal-on dual-potential electrochemiluminescence based on luminol-gold bifunctional nanoparticles for telomerase detection. *Analytical Chemistry*, **2014**, 86, 3834-40	7.8	171
880	Photoelectrochemical enzymatic biosensors. *Biosensors and Bioelectronics*, **2017**, 92, 294-304	11.8	171
879	A novel glucose ENFET based on the special reactivity of MnO2 nanoparticles. *Biosensors and Bioelectronics*, **2004**, 19, 1295-300	11.8	167
878	Quantitative and ultrasensitive detection of multiplex cardiac biomarkers in lateral flow assay with core-shell SERS nanotags. *Biosensors and Bioelectronics*, **2018**, 106, 204-211	11.8	166
877	Functional nanoprobes for ultrasensitive detection of biomolecules: an update. *Chemical Society Reviews*, **2014**, 43, 1601-11	58.5	166
876	Signal-On Electrochemiluminescence Biosensors Based on CdS□arbon Nanotube Nanocomposite for the Sensitive Detection of Choline and Acetylcholine. *Advanced Functional Materials*, **2009**, 19, 1444-1450	15.6	163
875	Microwave-Induced Polyol-Process Synthesis of Copper and Copper Oxide Nanocrystals with Controllable Morphology. *European Journal of Inorganic Chemistry*, **2004**, 2004, 4072-4080	2.3	161
874	Fabrication, characterization of Fe3O4 multilayer film and its application in promoting direct electron transfer of hemoglobin. *Electrochemistry Communications*, **2006**, 8, 148-154	5.1	160

873	Activatable NIR Fluorescence/MRI Bimodal Probes for in Vivo Imaging by Enzyme-Mediated Fluorogenic Reaction and Self-Assembly. *Journal of the American Chemical Society*, **2019**, 141, 10331-10341	16.4	157
872	Preparation of nanocrystalline ceria particles by sonochemical and microwave assisted heating methods. *Physical Chemistry Chemical Physics*, **2002**, 4, 3794-3799	3.6	157
871	Energy transfer between CdS quantum dots and Au nanoparticles in photoelectrochemical detection. *Chemical Communications*, **2011**, 47, 10990-2	5.8	151
870	Porous Gold-Nanoparticle□CaCO3 Hybrid Material: Preparation, Characterization, and Application for Horseradish Peroxidase Assembly and Direct Electrochemistry. *Chemistry of Materials*, **2006**, 18, 279-284	9.6	151
869	Exciton-plasmon interactions between CdS quantum dots and Ag nanoparticles in photoelectrochemical system and its biosensing application. *Analytical Chemistry*, **2012**, 84, 5892-7	7.8	150
868	Interfacing cytochrome c to electrodes with a DNA □carbon nanotube composite film. *Electrochemistry Communications*, **2002**, 4, 506-509	5.1	149
867	Enhanced solid-state electrochemiluminescence of CdS nanocrystals composited with carbon nanotubes in H2O2 solution. *Chemical Communications*, **2006**, 3631-3	5.8	145
866	Direct Plasmon-Accelerated Electrochemical Reaction on Gold Nanoparticles. *ACS Nano*, **2017**, 11, 5897-5905	13.7	144
865	A ratiometric electrochemiluminescence detection for cancer cells using g-C3N4 nanosheets and Ag-PAMAM-luminol nanocomposites. *Biosensors and Bioelectronics*, **2016**, 77, 76-82	11.8	142
864	Simultaneous determination of guanine and adenine in DNA using an electrochemically pretreated glassy carbon electrode. *Analytica Chimica Acta*, **2002**, 461, 243-250	6.6	142
863	Preparation of monodispersed nanocrystallineCeO2 powders by microwave irradiation. *Chemical Communications*, **2001**, 937-938	5.8	141
862	Ultrasensitive electrochemical detection for DNA arrays based on silver nanoparticle aggregates. *Analytical Chemistry*, **2010**, 82, 5477-83	7.8	140
861	Synthesis of selenium nanoparticles in the presence of polysaccharides. *Materials Letters*, **2004**, 58, 2590-2594	3.5	138
860	Dopamine sensitized nanoporous TiO2 film on electrodes: photoelectrochemical sensing of NADH under visible irradiation. *Biosensors and Bioelectronics*, **2009**, 24, 2494-8	11.8	136
859	Using G-quadruplex/hemin to "switch-on" the cathodic photocurrent of p-type PbS quantum dots: toward a versatile platform for photoelectrochemical aptasensing. *Analytical Chemistry*, **2015**, 87, 2892-900	7.8	134
858	Shape-Controlled Gold Nanoarchitectures: Synthesis, Superhydrophobicity, and Electrocatalytic Properties. *Journal of Physical Chemistry C*, **2008**, 112, 13886-13892	3.8	134
857	A photoelectrochemical sensor based on CdS-polyamidoamine nano-composite film for cell capture and detection. *Biosensors and Bioelectronics*, **2010**, 25, 2045-50	11.8	130
856	Electrochemical Biosensors Based on Layer-by-Layer Assemblies. *Electroanalysis*, **2006**, 18, 1737-1748	3	130

855	Direct electron transfer and electrocatalysis of hemoglobin adsorbed onto electrodeposited mesoporous tungsten oxide. *Electrochemistry Communications*, **2006**, 8, 77-82	5.1	126
854	Photoelectrochemical aptasensing. *TrAC - Trends in Analytical Chemistry*, **2016**, 82, 307-315	14.6	123
853	Catalytic oxidation of dopamine at a microdisk platinum electrode modified by electrodeposition of nickel hexacyanoferrate and Nafion . *Journal of Electroanalytical Chemistry*, **1996**, 408, 219-223	4.1	123
852	Near Infrared-Guided Smart Nanocarriers for MicroRNA-Controlled Release of Doxorubicin/siRNA with Intracellular ATP as Fuel. *ACS Nano*, **2016**, 10, 3637-47	16.7	121
851	Hybrid PbS Quantum Dot/Nanoporous NiO Film Nanostructure: Preparation, Characterization, and Application for a Self-Powered Cathodic Photoelectrochemical Biosensor. *Analytical Chemistry*, **2017**, 89, 8070-8078	7.8	121
850	Choline biosensors based on a bi-electrocatalytic property of MnO2 nanoparticles modified electrodes to H2O2. *Electrochemistry Communications*, **2007**, 9, 2611-2616	5.1	121
849	A nanochannel array-based electrochemical device for quantitative label-free DNA analysis. *ACS Nano*, **2010**, 4, 6417-24	16.7	120
848	Direct electrochemistry and electrocatalysis of heme proteins immobilized on self-assembled ZrO2 film. *Electrochemistry Communications*, **2005**, 7, 724-729	5.1	120
847	Visual electrochemiluminescence detection of cancer biomarkers on a closed bipolar electrode array chip. *Analytical Chemistry*, **2015**, 87, 530-7	7.8	119
846	Preparation of Bi2S3 nanorods by microwave irradiation. *Materials Research Bulletin*, **2001**, 36, 2339-2346	5.1	117
845	Electrochemiluminescence-Based Capacitance Microscopy for Label-Free Imaging of Antigens on the Cellular Plasma Membrane. *Journal of the American Chemical Society*, **2019**, 141, 10294-10299	16.4	114
844	Electrochemical study of a new methylene blue/silicon oxide nanocomposition mediator and its application for stable biosensor of hydrogen peroxide. *Biosensors and Bioelectronics*, **2005**, 21, 372-7	11.8	114
843	Sonochemical fabrication and characterization of stibnite nanorods. *Inorganic Chemistry*, **2003**, 42, 6404-11	5.1	113
842	A novel glucose biosensor based on the nanoscaled cobalt phthalocyanine-glucose oxidase biocomposite. *Biosensors and Bioelectronics*, **2005**, 20, 1388-96	11.8	113
841	Selective detection of trace amount of Cu2+ using semiconductor nanoparticles in photoelectrochemical analysis. *Nanoscale*, **2010**, 2, 1112-4	7.7	112
840	Highly sensitive sensors based on the immobilization of tyrosinase in chitosan. *Bioelectrochemistry*, **2002**, 57, 33-8	5.6	112
839	Sensitive electrochemiluminescence detection of c-Myc mRNA in breast cancer cells on a wireless bipolar electrode. *Analytical Chemistry*, **2012**, 84, 5407-14	7.8	111
838	Direct electron transfer and electrocatalysis of hemoglobin adsorbed on mesoporous carbon through layer-by-layer assembly. *Biosensors and Bioelectronics*, **2007**, 22, 1618-24	11.8	111

837	Multilayer assembly of Prussian blue nanoclusters and enzyme-immobilized poly(toluidine blue) films and its application in glucose biosensor construction. *Langmuir*, **2004**, 20, 7303-7	4	109
836	Surface-enhanced Raman scattering imaging of cancer cells and tissues via sialic acid-imprinted nanotags. *Chemical Communications*, **2015**, 51, 17696-9	5.8	108
835	Amperometric determination of epinephrine with an osmium complex and Nafion double-layer membrane modified electrode. *Analytica Chimica Acta*, **1999**, 378, 151-157	6.6	108
834	Targeting and Imaging of Cancer Cells via Monosaccharide-Imprinted Fluorescent Nanoparticles. *Scientific Reports*, **2016**, 6, 22757	4.9	106
833	Graphene oxide□hionine□Au nanostructure composites: Preparation and applications in non-enzymatic glucose sensing. *Electrochemistry Communications*, **2012**, 14, 59-62	5.1	106
832	RuSi@Ru(bpy)3(2+)/Au@Ag2S nanoparticles electrochemiluminescence resonance energy transfer system for sensitive DNA detection. *Analytical Chemistry*, **2014**, 86, 4559-65	7.8	104
831	Up-regulation of microRNA-155 promotes cancer cell invasion and predicts poor survival of hepatocellular carcinoma following liver transplantation. *Journal of Cancer Research and Clinical Oncology*, **2012**, 138, 153-61	4.9	103
830	Preparation of silver nanorods by electrochemical methods. *Materials Letters*, **2001**, 49, 91-95	3.3	103
829	Microchip device with 64-site electrode array for multiplexed immunoassay of cell surface antigens based on electrochemiluminescence resonance energy transfer. *Analytical Chemistry*, **2012**, 84, 4207-13	7.8	101
828	CdS quantum dots/Ru(bpy)3(2+) electrochemiluminescence resonance energy transfer system for sensitive cytosensing. *Chemical Communications*, **2011**, 47, 7752-4	5.8	101
827	Voltammetric studies of the interaction of methylene blue with DNA by means of □yclodextrin. *Analytica Chimica Acta*, **1999**, 394, 337-344	6.6	101
826	Engineering of Electrochromic Materials as Activatable Probes for Molecular Imaging and Photodynamic Therapy. *Journal of the American Chemical Society*, **2018**, 140, 16340-16352	16.4	99
825	A novel lable-free electrochemical immunosensor for carcinoembryonic antigen based on gold nanoparticles-thionine-reduced graphene oxide nanocomposite film modified glassy carbon electrode. *Talanta*, **2011**, 85, 2620-5	6.2	98
824	Optical nano-biosensing interface via nucleic acid amplification strategy: construction and application. *Chemical Society Reviews*, **2018**, 47, 1996-2019	58.5	96
823	Electrochemiluminescence on bipolar electrodes for visual bioanalysis. *Chemical Science*, **2013**, 4, 1182	9.4	96
822	Acetylcholine esterase antibodies on BiOI nanoflakes/TiO2 nanoparticles electrode: a case of application for general photoelectrochemical enzymatic analysis. *Analytical Chemistry*, **2013**, 85, 11686-90	7.8	95
821	Simply amplified electrochemical aptasensor of ochratoxin A based on exonuclease-catalyzed target recycling. *Biosensors and Bioelectronics*, **2011**, 29, 97-101	11.8	95
820	Selective sensing of cysteine on manganese dioxide nanowires and chitosan modified glassy carbon electrodes. *Biosensors and Bioelectronics*, **2009**, 24, 2985-90	11.8	95

819	Microwave synthesis of nanocrystalline metal sulfides in formaldehyde solution. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2001**, 85, 85-89	3.1	95
818	Analysis of Intracellular Glucose at Single Cells Using Electrochemiluminescence Imaging. *Analytical Chemistry*, **2016**, 88, 4609-12	7.8	95
817	Disposable paper-based bipolar electrode for sensitive electrochemiluminescence detection of a cancer biomarker. *Chemical Communications*, **2014**, 50, 10949-51	5.8	94
816	Glucose biosensor based on ENFET doped with SiO2 nanoparticles. *Sensors and Actuators B: Chemical*, **2004**, 97, 249-255	8.5	94
815	Sensitive electrochemiluminescence biosensor based on Au-ITO hybrid bipolar electrode amplification system for cell surface protein detection. *Analytical Chemistry*, **2013**, 85, 11960-5	7.8	93
814	Dual-emitting quantum dot nanohybrid for imaging of latent fingerprints: simultaneous identification of individuals and traffic light-type visualization of TNT. *Chemical Science*, **2015**, 6, 4445-4450	8.4	93
813	Sonochemical Preparation of Luminescent PbWO4Nanocrystals with Morphology Evolution. *Crystal Growth and Design*, **2006**, 6, 321-326	3.5	93
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810	Electrogenerated Chemiluminescence Imaging of Electrocatalysis at a Single Au-Pt Janus Nanoparticle. *Angewandte Chemie - International Edition*, **2018**, 57, 4010-4014	16.4	91
809	A dynamically modified microfluidic poly(dimethylsiloxane) chip with electrochemical detection for biological analysis. *Electrophoresis*, **2002**, 23, 3558-66	3.6	91
808	Synthesis of Potassium-Modified Graphene and Its Application in Nitrite-Selective Sensing. *Advanced Functional Materials*, **2012**, 22, 1981-1988	15.6	90
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806	Identification of recurrence-related microRNAs in hepatocellular carcinoma following liver transplantation. *Molecular Oncology*, **2012**, 6, 445-57	7.9	89
805	Probing Low-Copy-Number Proteins in a Single Living Cell. *Angewandte Chemie - International Edition*, **2016**, 55, 13215-13218	16.4	88
804	Application of MnO2 nanoparticles as an eliminator of ascorbate interference to amperometric glucose biosensors. *Electrochemistry Communications*, **2004**, 6, 1169-1173	5.1	88
803	Alkaline Phosphatase Tagged Antibodies on Gold Nanoparticles/TiO2 Nanotubes Electrode: A Plasmonic Strategy for Label-Free and Amplified Photoelectrochemical Immunoassay. *Analytical Chemistry*, **2016**, 88, 5626-30	7.8	88
802	Optical Imaging of Phase Transition and Li-Ion Diffusion Kinetics of Single LiCoO(2) Nanoparticles During Electrochemical Cycling. *Journal of the American Chemical Society*, **2017**, 139, 186-192	16.4	86

801	Ultrasensitive DNA detection based on Au nanoparticles and isothermal circular double-assisted electrochemiluminescence signal amplification. *Chemical Communications*, **2011**, 47, 8358-60	5.8	86
800	Voltammetric Behavior and Detection of DNA at Electrochemically Pretreated Glassy Carbon Electrode. *Electroanalysis*, **2001**, 13, 1105-1109	3	86
799	Electrochemiluminescence imaging for parallel single-cell analysis of active membrane cholesterol. *Analytical Chemistry*, **2015**, 87, 8138-43	7.8	85
798	Antimicrobial Susceptibility Test with Plasmonic Imaging and Tracking of Single Bacterial Motions on Nanometer Scale. *ACS Nano*, **2016**, 10, 845-52	16.7	85
797	A highly sensitive ratiometric electrochemiluminescent biosensor for microRNA detection based on cyclic enzyme amplification and resonance energy transfer. *Chemical Communications*, **2014**, 50, 14828-30	5.8	84
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795	A branched electrode based electrochemical platform: towards new label-free and reagentless simultaneous detection of two biomarkers. *Chemical Communications*, **2013**, 49, 1052-4	5.8	83
794	Direct electrochemistry and reagentless biosensing of glucose oxidase immobilized on chitosan wrapped single-walled carbon nanotubes. *Talanta*, **2008**, 76, 419-23	6.2	81
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792	Nanokit for single-cell electrochemical analyses. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 11436-11440	11.5	81
791	Plasmonic Imaging of Electrochemical Reactions of Single Nanoparticles. *Accounts of Chemical Research*, **2016**, 49, 2614-2624	24.3	80
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789	Intracellular Wireless Analysis of Single Cells by Bipolar Electrochemiluminescence Confined in a Nanopipette. *Angewandte Chemie - International Edition*, **2020**, 59, 10416-10420	16.4	78
788	Visual Color-Switch Electrochemiluminescence Biosensing of Cancer Cell Based on Multichannel Bipolar Electrode Chip. *Analytical Chemistry*, **2016**, 88, 2884-90	7.8	78
787	Photoelectrochemical bioanalysis: A mini review. *Electrochemistry Communications*, **2014**, 38, 40-43	5.1	78
786	Double-probe signal enhancing strategy for toxin aptasensing based on rolling circle amplification. *Biosensors and Bioelectronics*, **2012**, 33, 146-51	11.8	78
785	Fluorescence enhancement of silver nanoparticle hybrid probes and ultrasensitive detection of IgE. *Analytical Chemistry*, **2011**, 83, 8945-52	7.8	78
784	Synthesis of amorphous Fe2O3 nanoparticles by microwave irradiation. *Materials Letters*, **2001**, 50, 341-346	3.5	78

783	Simultaneous determination of purine bases, ribonucleosides and ribonucleotides by capillary electrophoresis-electrochemistry with a copper electrode. *Journal of Chromatography A*, **1997**, 760, 227-33	4.5	77
782	Nanocrystalline diamond modified gold electrode for glucose biosensing. *Biosensors and Bioelectronics*, **2006**, 22, 649-55	11.8	77
781	Plasmonic imaging and detection of single DNA molecules. *ACS Nano*, **2014**, 8, 3427-33	16.7	76
780	A general strategy for photoelectrochemical immunoassay using an enzyme label combined with a CdS quantum dot/TiO2 nanoparticle composite electrode. *Analytical Chemistry*, **2014**, 86, 11513-6	7.8	75
779	Electrocatalytic oxidation and determination of ascorbic acid at poly(glutamic acid) chemically modified electrode. *Analytica Chimica Acta*, **1997**, 344, 181-185	6.6	75
778	Cobalt hexacyanoferrate modified microband gold electrode and its electrocatalytic activity for oxidation of NADH. *Journal of Electroanalytical Chemistry*, **1995**, 397, 185-190	4.1	75
777	The electrochemical behavior of methylene blue at a microcylinder carbon fiber electrode. *Electroanalysis*, **1995**, 7, 1165-1170	3	75
776	Electrochemiluminescence Resonance Energy Transfer Between CdS:Eu Nancrystals and Au Nanorods for Sensitive DNA Detection. *Journal of Physical Chemistry C*, **2012**, 116, 17773-17780	3.8	74
775	Simultaneous electrochemical immunoassay using CdS/DNA and PbS/DNA nanochains as labels. *Biosensors and Bioelectronics*, **2013**, 39, 177-82	11.8	74
774	Enhanced electrochemiluminescence quenching of CdS:Mn nanocrystals by CdTe QDs-doped silica nanoparticles for ultrasensitive detection of thrombin. *Nanoscale*, **2011**, 3, 2916-23	7.7	74
773	Electrochemiluminescence quenching by CdTe quantum dots through energy scavenging for ultrasensitive detection of antigen. *Chemical Communications*, **2010**, 46, 5079-81	5.8	74
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771	Gold Nanoparticle Couples with Entropy-Driven Toehold-Mediated DNA Strand Displacement Reaction on Magnetic Beads: Toward Ultrasensitive Energy-Transfer-Based Photoelectrochemical Detection of miRNA-141 in Real Blood Sample. *Analytical Chemistry*, **2018**, 90, 11892-11898	7.8	74
770	Gold nanodendrities on graphene oxide nanosheets for oxygen reduction reaction. *Journal of Materials Chemistry A*, **2014**, 2, 1697-1703	13	73
769	Ultrasensitive MicroRNA Assay via Surface Plasmon Resonance Responses of Au@Ag Nanorods Etching. *Analytical Chemistry*, **2017**, 89, 10585-10591	7.8	73
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