

# Hong-Yuan Chen

## List of Publications by Year in descending order

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950  
papers

54,609  
citations

1294

109  
h-index

3903

177  
g-index

968  
all docs

968  
docs citations

968  
times ranked

43491  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	3.0	2,805
2	Photoelectrochemical bioanalysis: the state of the art. <i>Chemical Society Reviews</i> , 2015, 44, 729-741.	18.7	750
3	Photoelectrochemical DNA Biosensors. <i>Chemical Reviews</i> , 2014, 114, 7421-7441.	23.0	722
4	Energy Level Engineering of MoS <sub>2</sub> by Transition-Metal Doping for Accelerating Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 15479-15485.	6.6	713
5	Hot Electron of Au Nanorods Activates the Electrocatalysis of Hydrogen Evolution on MoS <sub>2</sub> Nanosheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 7365-7370.	6.6	556
6	Functional nanoprobe for ultrasensitive detection of biomolecules. <i>Chemical Society Reviews</i> , 2010, 39, 4234.	18.7	539
7	Preparation of CuO nanoparticles by microwave irradiation. <i>Journal of Crystal Growth</i> , 2002, 244, 88-94.	0.7	500
8	Two-photon excitation nanoparticles for photodynamic therapy. <i>Chemical Society Reviews</i> , 2016, 45, 6725-6741.	18.7	443
9	Hydrogen peroxide sensor based on horseradish peroxidase-labeled Au colloids immobilized on gold electrode surface by cysteamine monolayer. <i>Analytica Chimica Acta</i> , 1999, 391, 73-82.	2.6	380
10	Direct electron transfer and characterization of hemoglobin immobilized on a Au colloid-cysteamine-modified gold electrode. <i>Journal of Electroanalytical Chemistry</i> , 2001, 516, 119-126.	1.9	371
11	A glucose biosensor based on chitosan-glucose oxidase-gold nanoparticles biocomposite formed by one-step electrodeposition. <i>Analytical Biochemistry</i> , 2004, 334, 284-289.	1.1	369
12	CdS Nanocrystal-Based Electrochemiluminescence Biosensor for the Detection of Low-Density Lipoprotein by Increasing Sensitivity with Gold Nanoparticle Amplification. <i>Analytical Chemistry</i> , 2007, 79, 5574-5581.	3.2	335
13	Dual-Wavelength Electrochemiluminescence Ratiometry Based on Resonance Energy Transfer between Au Nanoparticles Functionalized g-C <sub>3</sub> N <sub>4</sub> Nanosheet and Ru(bpy) <sub>3</sub> <sup>2+</sup> for microRNA Detection. <i>Analytical Chemistry</i> , 2016, 88, 937-944.	3.2	297
14	Gold Nanoparticle Enhanced Electrochemiluminescence of CdS Thin Films for Ultrasensitive Thrombin Detection. <i>Analytical Chemistry</i> , 2011, 83, 4004-4011.	3.2	286
15	Ratiometric fluorescence, electrochemiluminescence, and photoelectrochemical chemo/biosensing based on semiconductor quantum dots. <i>Nanoscale</i> , 2016, 8, 8427-8442.	2.8	277
16	Highly Sensitive Photoelectrochemical Immunoassay with Enhanced Amplification Using Horseradish Peroxidase Induced Biocatalytic Precipitation on a CdS Quantum Dots Multilayer Electrode. <i>Analytical Chemistry</i> , 2012, 84, 917-923.	3.2	270
17	Activatable NIR Fluorescence/MRI Bimodal Probes for in Vivo Imaging by Enzyme-Mediated Fluorogenic Reaction and Self-Assembly. <i>Journal of the American Chemical Society</i> , 2019, 141, 10331-10341.	6.6	268
18	Electrochemiluminescence Immunosensor Based on CdSe Nanocomposites. <i>Analytical Chemistry</i> , 2008, 80, 4033-4039.	3.2	267

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19	Electrochemically deposited chitosan hydrogel for horseradish peroxidase immobilization through gold nanoparticles self-assembly. <i>Biosensors and Bioelectronics</i> , 2005, 21, 190-196.	5.3	265
20	Electrochemically Generated versus Photoexcited Luminescence from Semiconductor Nanomaterials: Bridging the Valley between Two Worlds. <i>Chemical Reviews</i> , 2014, 114, 11027-11059.	23.0	265
21	Distance-dependent quenching and enhancing of electrochemiluminescence from a CdS:Mn nanocrystal film by Au nanoparticles for highly sensitive detection of DNA. <i>Chemical Communications</i> , 2009, , 905.	2.2	264
22	Direct electron transfer and enzymatic activity of hemoglobin in a hexagonal mesoporous silica matrix. <i>Biosensors and Bioelectronics</i> , 2004, 19, 861-867.	5.3	259
23	Direct electrochemistry and electrocatalysis of heme proteins immobilized on gold nanoparticles stabilized by chitosan. <i>Analytical Biochemistry</i> , 2005, 342, 280-286.	1.1	259
24	Fe <sub>3</sub> O <sub>4</sub> /Polypyrrole/Au Nanocomposites with Core/Shell/Shell Structure: Synthesis, Characterization, and Their Electrochemical Properties. <i>Langmuir</i> , 2008, 24, 13748-13752.	1.6	255
25	Photoelectrochemical Immunoassays. <i>Analytical Chemistry</i> , 2018, 90, 615-627.	3.2	255
26	Quantitative and ultrasensitive detection of multiplex cardiac biomarkers in lateral flow assay with core-shell SERS nanotags. <i>Biosensors and Bioelectronics</i> , 2018, 106, 204-211.	5.3	248
27	Ultrasonic-Assisted Synthesis of Monodisperse Single-Crystalline Silver Nanoplates and Gold Nanorings. <i>Inorganic Chemistry</i> , 2004, 43, 5877-5883.	1.9	244
28	Label-free photoelectrochemical immunoassay for $\alpha$ -fetoprotein detection based on TiO <sub>2</sub> /CdS hybrid. <i>Biosensors and Bioelectronics</i> , 2009, 25, 791-796.	5.3	235
29	Photoelectrochemical enzymatic biosensors. <i>Biosensors and Bioelectronics</i> , 2017, 92, 294-304.	5.3	231
30	Photolithographic Boronate Affinity Molecular Imprinting: A General and Facile Approach for Glycoprotein Imprinting. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7451-7454.	7.2	229
31	Immobilization of hemoglobin on zirconium dioxide nanoparticles for preparation of a novel hydrogen peroxide biosensor. <i>Biosensors and Bioelectronics</i> , 2004, 19, 963-969.	5.3	228
32	A Label-Free Photoelectrochemical Immunosensor Based on Water-Soluble CdS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11142-11148.	1.5	224
33	Sonochemical Method for the Preparation of Bismuth Sulfide Nanorods. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3848-3854.	1.2	221
34	Electrochemically deposited nanocomposite of chitosan and carbon nanotubes for biosensor application. <i>Chemical Communications</i> , 2005, , 2169.	2.2	219
35	Gold Nanoparticle-Colloidal Carbon Nanosphere Hybrid Material: Preparation, Characterization, and Application for an Amplified Electrochemical Immunoassay. <i>Advanced Functional Materials</i> , 2008, 18, 2197-2204.	7.8	213
36	Electrochemiluminescence Ratiometry: A New Approach to DNA Biosensing. <i>Analytical Chemistry</i> , 2013, 85, 5321-5325.	3.2	212

#	ARTICLE	IF	CITATIONS
37	<i>In Situ</i> Enzymatic Ascorbic Acid Production as Electron Donor for CdS Quantum Dots Equipped TiO <sub>2</sub> Nanotubes: A General and Efficient Approach for New Photoelectrochemical Immunoassay. <i>Analytical Chemistry</i> , 2012, 84, 10518-10521.	3.2	210
38	Direct Plasmon-Accelerated Electrochemical Reaction on Gold Nanoparticles. <i>ACS Nano</i> , 2017, 11, 5897-5905.	7.3	208
39	Multilayer Membranes via Layer-by-Layer Deposition of Organic Polymer Protected Prussian Blue Nanoparticles and Glucose Oxidase for Glucose Biosensing. <i>Langmuir</i> , 2005, 21, 9630-9634.	1.6	206
40	An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2003, 15, 219-224.	1.5	205
41	A simple method to fabricate a chitosan-gold nanoparticles film and its application in glucose biosensor. <i>Bioelectrochemistry</i> , 2007, 70, 342-347.	2.4	203
42	The Synergistic Effect of Prussian-Blue-Grafted Carbon Nanotube/Poly(4-vinylpyridine) Composites for Amperometric Sensing. <i>Advanced Functional Materials</i> , 2007, 17, 1574-1580.	7.8	202
43	Amperometric hydrogen peroxide biosensor with sol-gel/chitosan network-like film as immobilization matrix. <i>Biosensors and Bioelectronics</i> , 2003, 18, 335-343.	5.3	201
44	Quantum Dots: Electrochemiluminescent and Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2015, 87, 9520-9531.	3.2	200
45	Versatile Immunosensor Using CdTe Quantum Dots as Electrochemical and Fluorescent Labels. <i>Analytical Chemistry</i> , 2007, 79, 8494-8501.	3.2	197
46	In-situ synthesis of poly(dimethylsiloxane)-gold nanoparticles composite films and its application in microfluidic systems. <i>Lab on A Chip</i> , 2008, 8, 352-357.	3.1	197
47	A novel glucose ENFET based on the special reactivity of MnO <sub>2</sub> nanoparticles. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1295-1300.	5.3	195
48	Synthesis and Characterization of Prussian Blue Modified Magnetite Nanoparticles and Its Application to the Electrocatalytic Reduction of H <sub>2</sub> O <sub>2</sub> . <i>Chemistry of Materials</i> , 2005, 17, 3154-3159.	3.2	192
49	Ring-Opening Polymerization with Synergistic Co-monomers: Access to a Boronate-Functionalized Polymeric Monolith for the Specific Capture of <i>cis</i> -Diol-Containing Biomolecules under Neutral Conditions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6704-6707.	7.2	191
50	One-Dimensional BiPO <sub>4</sub> Nanorods and Two-Dimensional BiOCl Lamellae: A Fast Low-Temperature Sonochemical Synthesis, Characterization, and Growth Mechanism. <i>Inorganic Chemistry</i> , 2005, 44, 8503-8509.	1.9	190
51	Functional nanoprobe for ultrasensitive detection of biomolecules: an update. <i>Chemical Society Reviews</i> , 2014, 43, 1601-1611.	18.7	190
52	Microwave-Induced Polyol-Process Synthesis of Copper and Copper Oxide Nanocrystals with Controllable Morphology. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4072-4080.	1.0	188
53	Signal-On Dual-Potential Electrochemiluminescence Based on Luminol-Gold Bifunctional Nanoparticles for Telomerase Detection. <i>Analytical Chemistry</i> , 2014, 86, 3834-3840.	3.2	186
54	Synthesis of selenium nanoparticles in the presence of polysaccharides. <i>Materials Letters</i> , 2004, 58, 2590-2594.	1.3	184

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55	Fabrication, characterization of Fe <sub>3</sub> O <sub>4</sub> multilayer film and its application in promoting direct electron transfer of hemoglobin. <i>Electrochemistry Communications</i> , 2006, 8, 148-154.	2.3	180
56	Preparation of nanocrystalline ceria particles by sonochemical and microwave assisted heating methods. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3794-3799.	1.3	178
57	Signal-Enhanced Electrochemiluminescence Biosensors Based on CdS-Carbon Nanotube Nanocomposite for the Sensitive Detection of Choline and Acetylcholine. <i>Advanced Functional Materials</i> , 2009, 19, 1444-1450.	7.8	177
58	Energy transfer between CdS quantum dots and Au nanoparticles in photoelectrochemical detection. <i>Chemical Communications</i> , 2011, 47, 10990.	2.2	177
59	Exciton-Plasmon Interactions between CdS Quantum Dots and Ag Nanoparticles in Photoelectrochemical System and Its Biosensing Application. <i>Analytical Chemistry</i> , 2012, 84, 5892-5897.	3.2	174
60	Electrochemiluminescence-Based Capacitance Microscopy for Label-Free Imaging of Antigens on the Cellular Plasma Membrane. <i>Journal of the American Chemical Society</i> , 2019, 141, 10294-10299.	6.6	172
61	Interfacing cytochrome c to electrodes with a DNA-carbon nanotube composite film. <i>Electrochemistry Communications</i> , 2002, 4, 506-509.	2.3	165
62	Simultaneous determination of guanine and adenine in DNA using an electrochemically pretreated glassy carbon electrode. <i>Analytica Chimica Acta</i> , 2002, 461, 243-250.	2.6	164
63	A ratiometric electrochemiluminescence detection for cancer cells using g-C <sub>3</sub> N <sub>4</sub> nanosheets and Ag-PAMAM-luminol nanocomposites. <i>Biosensors and Bioelectronics</i> , 2016, 77, 76-82.	5.3	162
64	Porous Gold-Nanoparticle-CaCO <sub>3</sub> Hybrid Material: Preparation, Characterization, and Application for Horseradish Peroxidase Assembly and Direct Electrochemistry. <i>Chemistry of Materials</i> , 2006, 18, 279-284.	3.2	161
65	Ultrasensitive Electrochemical Detection For DNA Arrays Based on Silver Nanoparticle Aggregates. <i>Analytical Chemistry</i> , 2010, 82, 5477-5483.	3.2	154
66	Enhanced solid-state electrochemiluminescence of CdS nanocrystals composited with carbon nanotubes in H <sub>2</sub> O <sub>2</sub> solution. <i>Chemical Communications</i> , 2006, , 3631.	2.2	153
67	Using G-Quadruplex/Hemin To "Switch-On" the Cathodic Photocurrent of p-Type PbS Quantum Dots: Toward a Versatile Platform for Photoelectrochemical Aptasensing. <i>Analytical Chemistry</i> , 2015, 87, 2892-2900.	3.2	152
68	Preparation of monodispersed nanocrystalline CeO <sub>2</sub> powders by microwave irradiation. <i>Chemical Communications</i> , 2001, , 937-938.	2.2	149
69	Near Infrared-Guided Smart Nanocarriers for MicroRNA-Controlled Release of Doxorubicin/siRNA with Intracellular ATP as Fuel. <i>ACS Nano</i> , 2016, 10, 3637-3647.	7.3	149
70	Hybrid PbS Quantum Dot/Nanoporous NiO Film Nanostructure: Preparation, Characterization, and Application for a Self-Powered Cathodic Photoelectrochemical Biosensor. <i>Analytical Chemistry</i> , 2017, 89, 8070-8078.	3.2	149
71	Dopamine sensitized nanoporous TiO <sub>2</sub> film on electrodes: Photoelectrochemical sensing of NADH under visible irradiation. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2494-2498.	5.3	148
72	Engineering of Electrochromic Materials as Activatable Probes for Molecular Imaging and Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2018, 140, 16340-16352.	6.6	148

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73	Catalytic oxidation of dopamine at a microdisk platinum electrode modified by electrodeposition of nickel hexacyanoferrate and Nafion®. <i>Journal of Electroanalytical Chemistry</i> , 1996, 408, 219-223.	1.9	147
74	Intracellular Wireless Analysis of Single Cells by Bipolar Electrochemiluminescence Confined in a Nanopipette. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10416-10420.	7.2	147
75	Photoelectrochemical aptasensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 307-315.	5.8	145
76	Electrogenerated Chemiluminescence Imaging of Electrocatalysis at a Single Au@Pt Janus Nanoparticle. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4010-4014.	7.2	145
77	H <sub>2</sub> S-activatable near-infrared afterglow luminescent probes for sensitive molecular imaging in vivo. <i>Nature Communications</i> , 2020, 11, 446.	5.8	141
78	Electrochemical Biosensors Based on Layer-by-Layer Assemblies. <i>Electroanalysis</i> , 2006, 18, 1737-1748.	1.5	140
79	Visual Electrochemiluminescence Detection of Cancer Biomarkers on a Closed Bipolar Electrode Array Chip. <i>Analytical Chemistry</i> , 2015, 87, 530-537.	3.2	140
80	Optical nano-biosensing interface via nucleic acid amplification strategy: construction and application. <i>Chemical Society Reviews</i> , 2018, 47, 1996-2019.	18.7	139
81	Shape-Controlled Gold Nanoarchitectures: Synthesis, Superhydrophobicity, and Electrocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13886-13892.	1.5	138
82	Preparation of Bi <sub>2</sub> S <sub>3</sub> nanorods by microwave irradiation. <i>Materials Research Bulletin</i> , 2001, 36, 2339-2346.	2.7	137
83	Targeting and Imaging of Cancer Cells via Monosaccharide-Imprinted Fluorescent Nanoparticles. <i>Scientific Reports</i> , 2016, 6, 22757.	1.6	135
84	A photoelectrochemical sensor based on CdS-polyamidoamine nano-composite film for cell capture and detection. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2045-2050.	5.3	134
85	A Nanochannel Array-Based Electrochemical Device for Quantitative Label-free DNA Analysis. <i>ACS Nano</i> , 2010, 4, 6417-6424.	7.3	134
86	Choline biosensors based on a bi-electrocatalytic property of MnO <sub>2</sub> nanoparticles modified electrodes to H <sub>2</sub> O <sub>2</sub> . <i>Electrochemistry Communications</i> , 2007, 9, 2611-2616.	2.3	132
87	Direct electron transfer and electrocatalysis of hemoglobin adsorbed onto electrodeposited mesoporous tungsten oxide. <i>Electrochemistry Communications</i> , 2006, 8, 77-82.	2.3	129
88	Electrochemical study of a new methylene blue/silicon oxide nanocomposition mediator and its application for stable biosensor of hydrogen peroxide. <i>Biosensors and Bioelectronics</i> , 2005, 21, 372-377.	5.3	127
89	Direct electrochemistry and electrocatalysis of heme proteins immobilized on self-assembled ZrO <sub>2</sub> film. <i>Electrochemistry Communications</i> , 2005, 7, 724-729.	2.3	127
90	Surface-enhanced Raman scattering imaging of cancer cells and tissues via sialic acid-imprinted nanotags. <i>Chemical Communications</i> , 2015, 51, 17696-17699.	2.2	125

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91	A novel glucose biosensor based on the nanoscaled cobalt phthalocyanine- $\beta$ -glucose oxidase biocomposite. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1388-1396.	5.3	123
92	Analysis of Intracellular Glucose at Single Cells Using Electrochemiluminescence Imaging. <i>Analytical Chemistry</i> , 2016, 88, 4609-4612.	3.2	123
93	Antimicrobial Susceptibility Test with Plasmonic Imaging and Tracking of Single Bacterial Motions on Nanometer Scale. <i>ACS Nano</i> , 2016, 10, 845-852.	7.3	123
94	Highly sensitive sensors based on the immobilization of tyrosinase in chitosan. <i>Bioelectrochemistry</i> , 2002, 57, 33-38.	2.4	121
95	Sensitive Electrochemiluminescence Detection of c-Myc mRNA in Breast Cancer Cells on a Wireless Bipolar Electrode. <i>Analytical Chemistry</i> , 2012, 84, 5407-5414.	3.2	120
96	Preparation of silver nanorods by electrochemical methods. <i>Materials Letters</i> , 2001, 49, 91-95.	1.3	119
97	Selective detection of trace amount of Cu <sup>2+</sup> using semiconductor nanoparticles in photoelectrochemical analysis. <i>Nanoscale</i> , 2010, 2, 1112.	2.8	119
98	Multilayer Assembly of Prussian Blue Nanoclusters and Enzyme-Immobilized Poly(toluidine blue) Films and Its Application in Glucose Biosensor Construction. <i>Langmuir</i> , 2004, 20, 7303-7307.	1.6	118
99	Sonochemical Fabrication and Characterization of Stibnite Nanorods. <i>Inorganic Chemistry</i> , 2003, 42, 6404-6411.	1.9	117
100	Up-regulation of microRNA-155 promotes cancer cell invasion and predicts poor survival of hepatocellular carcinoma following liver transplantation. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 153-161.	1.2	117
101	RuSi@Ru(bpy) <sub>3</sub> <sup>2+</sup> /Au@Ag <sub>2</sub> S Nanoparticles Electrochemiluminescence Resonance Energy Transfer System for Sensitive DNA Detection. <i>Analytical Chemistry</i> , 2014, 86, 4559-4565.	3.2	117
102	Optical Imaging of Phase Transition and Li-Ion Diffusion Kinetics of Single LiCoO <sub>2</sub> Nanoparticles During Electrochemical Cycling. <i>Journal of the American Chemical Society</i> , 2017, 139, 186-192.	6.6	117
103	Amperometric determination of epinephrine with an osmium complex and Nafion double-layer membrane modified electrode. <i>Analytica Chimica Acta</i> , 1999, 378, 151-157.	2.6	116
104	Direct electron transfer and electrocatalysis of hemoglobin adsorbed on mesoporous carbon through layer-by-layer assembly. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1618-1624.	5.3	115
105	Voltammetric studies of the interaction of methylene blue with DNA by means of $\beta$ -cyclodextrin. <i>Analytica Chimica Acta</i> , 1999, 394, 337-344.	2.6	114
106	A novel label-free electrochemical immunosensor for carcinoembryonic antigen based on gold nanoparticles- $\beta$ -thionine-reduced graphene oxide nanocomposite film modified glassy carbon electrode. <i>Talanta</i> , 2011, 85, 2620-2625.	2.9	114
107	Graphene oxide- $\beta$ -thionine-Au nanostructure composites: Preparation and applications in non-enzymatic glucose sensing. <i>Electrochemistry Communications</i> , 2012, 14, 59-62.	2.3	114
108	Nanokit for single-cell electrochemical analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11436-11440.	3.3	113

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109	Electrochemiluminescence on bipolar electrodes for visual bioanalysis. <i>Chemical Science</i> , 2013, 4, 1182.	3.7	111
110	Glucose biosensor based on ENFET doped with SiO <sub>2</sub> nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 249-255.	4.0	109
111	CdS quantum dots/Ru(bpy) <sub>3</sub> <sup>2+</sup> electrochemiluminescence resonance energy transfer system for sensitive cytosensing. <i>Chemical Communications</i> , 2011, 47, 7752.	2.2	109
112	Microchip Device with 64-Site Electrode Array for Multiplexed Immunoassay of Cell Surface Antigens Based on Electrochemiluminescence Resonance Energy Transfer. <i>Analytical Chemistry</i> , 2012, 84, 4207-4213.	3.2	108
113	Sensitive Electrochemiluminescence Biosensor Based on Au-ITO Hybrid Bipolar Electrode Amplification System for Cell Surface Protein Detection. <i>Analytical Chemistry</i> , 2013, 85, 11960-11965.	3.2	108
114	Disposable paper-based bipolar electrode for sensitive electrochemiluminescence detection of a cancer biomarker. <i>Chemical Communications</i> , 2014, 50, 10949.	2.2	108
115	Dual-emitting quantum dot nanohybrid for imaging of latent fingerprints: simultaneous identification of individuals and traffic light-type visualization of TNT. <i>Chemical Science</i> , 2015, 6, 4445-4450.	3.7	108
116	Selective sensing of cysteine on manganese dioxide nanowires and chitosan modified glassy carbon electrodes. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2985-2990.	5.3	107
117	Electrochemiluminescence Imaging for Parallel Single-Cell Analysis of Active Membrane Cholesterol. <i>Analytical Chemistry</i> , 2015, 87, 8138-8143.	3.2	107
118	Acetylcholine Esterase Antibodies on BiOI Nanoflakes/TiO <sub>2</sub> Nanoparticles Electrode: A Case of Application for General Photoelectrochemical Enzymatic Analysis. <i>Analytical Chemistry</i> , 2013, 85, 11686-11690.	3.2	106
119	Visual Color-Switch Electrochemiluminescence Biosensing of Cancer Cell Based on Multichannel Bipolar Electrode Chip. <i>Analytical Chemistry</i> , 2016, 88, 2884-2890.	3.2	106
120	Identification of recurrence-related microRNAs in hepatocellular carcinoma following liver transplantation. <i>Molecular Oncology</i> , 2012, 6, 445-457.	2.1	105
121	Ultrasmall Nanopipette: Toward Continuous Monitoring of Redox Metabolism at Subcellular Level. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13226-13230.	7.2	105
122	Rapid synthesis of nanocrystalline SnO <sub>2</sub> powders by microwave heating method. <i>Materials Letters</i> , 2002, 53, 12-19.	1.3	103
123	Microwave synthesis of nanocrystalline metal sulfides in formaldehyde solution. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001, 85, 85-89.	1.7	102
124	Electrochemiluminescence Resonance Energy Transfer System for Dual-Wavelength Ratiometric miRNA Detection. <i>Analytical Chemistry</i> , 2018, 90, 13723-13728.	3.2	102
125	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. <i>Analytical Chemistry</i> , 2018, 90, 11892-11898.	3.2	102
126	Synthesis of Potassium-Modified Graphene and Its Application in Nitrite-Selective Sensing. <i>Advanced Functional Materials</i> , 2012, 22, 1981-1988.	7.8	101



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127	Photoelectrochemical bioanalysis: A mini review. <i>Electrochemistry Communications</i> , 2014, 38, 40-43.	2.3	101
128	Simply amplified electrochemical aptasensor of Ochratoxin A based on exonuclease-catalyzed target recycling. <i>Biosensors and Bioelectronics</i> , 2011, 29, 97-101.	5.3	99
129	Voltammetric Behavior and Detection of DNA at Electrochemically Pretreated Glassy Carbon Electrode. <i>Electroanalysis</i> , 2001, 13, 1105-1109.	1.5	98
130	A dynamically modified microfluidic poly(dimethylsiloxane) chip with electrochemical detection for biological analysis. <i>Electrophoresis</i> , 2002, 23, 3558-3566.	1.3	98
131	Sonochemical Preparation of Luminescent PbWO <sub>4</sub> Nanocrystals with Morphology Evolution. <i>Crystal Growth and Design</i> , 2006, 6, 321-326.	1.4	98
132	Hollow PbWO <sub>4</sub> Nanospindles via a Facile Sonochemical Route. <i>Inorganic Chemistry</i> , 2006, 45, 8403-8407.	1.9	98
133	Probing Low-Copy-Number Proteins in a Single Living Cell. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13215-13218.	7.2	98
134	Dual-Mode SERS and Electrochemical Detection of miRNA Based on Popcorn-like Gold Nanofilms and Toehold-Mediated Strand Displacement Amplification Reaction. <i>Analytical Chemistry</i> , 2021, 93, 6120-6127.	3.2	98
135	Simultaneous Photoelectrochemical Immunoassay of Dual Cardiac Markers Using Specific Enzyme Tags: A Proof of Principle for Multiplexed Bioanalysis. <i>Analytical Chemistry</i> , 2016, 88, 1990-1994.	3.2	97
136	Alkaline Phosphatase Tagged Antibodies on Gold Nanoparticles/TiO <sub>2</sub> Nanotubes Electrode: A Plasmonic Strategy for Label-Free and Amplified Photoelectrochemical Immunoassay. <i>Analytical Chemistry</i> , 2016, 88, 5626-5630.	3.2	96
137	Application of MnO <sub>2</sub> nanoparticles as an eliminator of ascorbate interference to amperometric glucose biosensors. <i>Electrochemistry Communications</i> , 2004, 6, 1169-1173.	2.3	95
138	Direct electrochemical observation of glucosidase activity in isolated single lysosomes from a living cell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4087-4092.	3.3	95
139	Single Molecule Ratcheting Motion of Peptides in a <i>Mycobacterium smegmatis</i> Porin A (MspA) Nanopore. <i>Nano Letters</i> , 2021, 21, 6703-6710.	4.5	95
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