

Huangxian Ju

List of Publications by Year in descending order

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739
papers

44,460
citations

1697

104
h-index

5965

160
g-index

750
all docs

750
docs citations

750
times ranked

30008
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA: Function, Detection, and Bioanalysis. <i>Chemical Reviews</i> , 2013, 113, 6207-6233.	23.0	1,006
2	Fluorescence Resonance Energy Transfer between Quantum Dots and Graphene Oxide for Sensing Biomolecules. <i>Analytical Chemistry</i> , 2010, 82, 5511-5517.	3.2	742
3	Signal amplification using functional nanomaterials for biosensing. <i>Chemical Society Reviews</i> , 2012, 41, 2122.	18.7	522
4	Electrochemical sensing of heavy metal ions with inorganic, organic and bio-materials. <i>Biosensors and Bioelectronics</i> , 2015, 63, 276-286.	5.3	476
5	Reagentless glucose biosensor based on direct electron transfer of glucose oxidase immobilized on colloidal gold modified carbon paste electrode. <i>Biosensors and Bioelectronics</i> , 2003, 19, 177-183.	5.3	441
6	Biomedical and clinical applications of immunoassays and immunosensors for tumor markers. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 679-688.	5.8	404
7	Cell-Specific and pH-Activatable Rubryrin-Loaded Nanoparticles for Highly Selective Near-Infrared Photodynamic Therapy against Cancer. <i>Journal of the American Chemical Society</i> , 2013, 135, 18850-18858.	6.6	385
8	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
9	Direct Electrochemistry of Horseradish Peroxidase Immobilized on a Colloid/Cysteamine-Modified Gold Electrode. <i>Analytical Biochemistry</i> , 2000, 278, 22-28.	1.1	356
10	Electrogenerated Chemiluminescence from a CdSe Nanocrystal Film and Its Sensing Application in Aqueous Solution. <i>Analytical Chemistry</i> , 2004, 76, 6871-6876.	3.2	312
11	Anodic Electrochemiluminescence of CdTe Quantum Dots and Its Energy Transfer for Detection of Catechol Derivatives. <i>Analytical Chemistry</i> , 2007, 79, 8055-8060.	3.2	300
12	Nanostructured FeS as a Mimic Peroxidase for Biocatalysis and Biosensing. <i>Chemistry - A European Journal</i> , 2009, 15, 4321-4326.	1.7	291
13	Design and sensing applications of metal-organic framework composites. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 58, 71-78.	5.8	276
14	Renewable reagentless hydrogen peroxide sensor based on direct electron transfer of horseradish peroxidase immobilized on colloidal gold-modified electrode. <i>Analytical Biochemistry</i> , 2002, 307, 110-116.	1.1	269
15	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> , 2009, 81, 9730-9736.	3.2	267
16	Fluorescent MoS ₂ Quantum Dots: Ultrasonic Preparation, Up-Conversion and Down-Conversion Bioimaging, and Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3107-3114.	4.0	267
17	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
18	Highly Sensitive Multiple microRNA Detection Based on Fluorescence Quenching of Graphene Oxide and Isothermal Strand-Displacement Polymerase Reaction. <i>Analytical Chemistry</i> , 2012, 84, 4587-4593.	3.2	247

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19	Fluorescence Quenching of Carbon Nitride Nanosheet through Its Interaction with DNA for Versatile Fluorescence Sensing. <i>Analytical Chemistry</i> , 2013, 85, 12182-12188.	3.2	245
20	Electrochemical and chemiluminescent immunosensors for tumor markers. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1461-1470.	5.3	243
21	A glucose biosensor based on direct electrochemistry of glucose oxidase immobilized on nitrogen-doped carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2009, 25, 373-377.	5.3	238
22	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
23	Triple Signal Amplification of Graphene Film, Polybead Carried Gold Nanoparticles as Tracing Tag and Silver Deposition for Ultrasensitive Electrochemical Immunosensing. <i>Analytical Chemistry</i> , 2012, 84, 3662-3668.	3.2	225
24	Preparation of Porous Titania Sol-Gel Matrix for Immobilization of Horseradish Peroxidase by a Vapor Deposition Method. <i>Analytical Chemistry</i> , 2002, 74, 3579-3583.	3.2	223
25	Switchable Fluorescent Imaging of Intracellular Telomerase Activity Using Telomerase-Responsive Mesoporous Silica Nanoparticle. <i>Journal of the American Chemical Society</i> , 2013, 135, 13282-13285.	6.6	221
26	Ultrasensitive Multiplexed Immunoassay with Electrochemical Stripping Analysis of Silver Nanoparticles Catalytically Deposited by Gold Nanoparticles and Enzymatic Reaction. <i>Analytical Chemistry</i> , 2011, 83, 2726-2732.	3.2	215
27	The use of polyethylenimine-grafted graphene nanoribbon for cellular delivery of locked nucleic acid modified molecular beacon for recognition of microRNA. <i>Biomaterials</i> , 2011, 32, 3875-3882.	5.7	215
28	Photo-Cross-Linked Scaffold with Kartogenin-Encapsulated Nanoparticles for Cartilage Regeneration. <i>ACS Nano</i> , 2016, 10, 1292-1299.	7.3	215
29	Electrochemiluminescence Sensors for Scavengers of Hydroxyl Radical Based on Its Annihilation in CdSe Quantum Dots Film/Peroxide System. <i>Analytical Chemistry</i> , 2007, 79, 6690-6696.	3.2	212
30	Low-Potential Photoelectrochemical Biosensing Using Porphyrin-Functionalized TiO ₂ Nanoparticles. <i>Analytical Chemistry</i> , 2010, 82, 8711-8716.	3.2	211
31	Electrochemical synthesis of reduced graphene sheet-AuPd alloy nanoparticle composites for enzymatic biosensing. <i>Biosensors and Bioelectronics</i> , 2011, 29, 159-166.	5.3	208
32	Multilayer membranes for glucose biosensing via layer-by-layer assembly of multiwall carbon nanotubes and glucose oxidase. <i>Analytical Biochemistry</i> , 2006, 350, 138-144.	1.1	206
33	Carbon Nanohorn Sensitized Electrochemical Immunosensor for Rapid Detection of Microcystin-LR. <i>Analytical Chemistry</i> , 2010, 82, 1117-1122.	3.2	204
34	Electrochemical Sensor for Lead Cation Sensitized with a DNA Functionalized Porphyrinic Metal-Organic Framework. <i>Analytical Chemistry</i> , 2015, 87, 10635-10641.	3.2	200
35	Porphyrin-Encapsulated Metal-Organic Frameworks as Mimetic Catalysts for Electrochemical DNA Sensing via Allosteric Switch of Hairpin DNA. <i>Analytical Chemistry</i> , 2015, 87, 3957-3963.	3.2	191
36	Detection of NADH and Ethanol Based on Catalytic Activity of Soluble Carbon Nanofiber with Low Overpotential. <i>Analytical Chemistry</i> , 2007, 79, 453-458.	3.2	190

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37	Electrogenerated chemiluminescence of nanomaterials for bioanalysis. <i>Analyst</i> , The, 2013, 138, 43-61.	1.7	190
38	Biocompatible Conductive Architecture of Carbon Nanofiber-Doped Chitosan Prepared with Controllable Electrodeposition for Cytosensing. <i>Analytical Chemistry</i> , 2007, 79, 4442-4447.	3.2	189
39	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> , 2014, 136, 8205-8208.	6.6	187
40	Immobilization of Biomolecules in Sol-gels: Biological and Analytical Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2006, 36, 73-106.	1.8	185
41	Facile Synthesis of Yolk-Shell Structured Inorganic-Organic Hybrid Spheres with Ordered Radial Mesochannels. <i>Advanced Materials</i> , 2014, 26, 3741-3747.	11.1	181
42	Trace and Label-Free MicroRNA Detection Using Oligonucleotide Encapsulated Silver Nanoclusters as Probes. <i>Analytical Chemistry</i> , 2012, 84, 8670-8674.	3.2	179
43	Application of Colloidal Gold in Protein Immobilization, Electron Transfer, and Biosensing. <i>Analytical Letters</i> , 2003, 36, 1-19.	1.0	178
44	A Multifunctional Nanomicelle for Real-Time Targeted Imaging and Precise Near-Infrared Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9544-9549.	7.2	177
45	Conductive Mesocellular Silica-Carbon Nanocomposite Foams for Immobilization, Direct Electrochemistry, and Biosensing of Proteins. <i>Advanced Functional Materials</i> , 2007, 17, 585-592.	7.8	176
46	Streptavidin-Functionalized Silver Nanoparticle-Enriched Carbon Nanotube Tag for Ultrasensitive Multiplexed Detection of Tumor Markers. <i>Advanced Functional Materials</i> , 2011, 21, 2938-2943.	7.8	176
47	A pH-activatable and aniline-substituted photosensitizer for near-infrared cancer theranostics. <i>Chemical Science</i> , 2015, 6, 5969-5977.	3.7	173
48	Principles and applications of photoelectrochemical sensing strategies based on biofunctionalized nanostructures. <i>Biosensors and Bioelectronics</i> , 2017, 96, 8-16.	5.3	173
49	A disposable electrochemical immunosensor for flow injection immunoassay of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2006, 22, 102-108.	5.3	169
50	Electrochemistry of Cytochrome c Immobilized on Colloidal Gold Modified Carbon Paste Electrodes and Its Electrocatalytic Activity. <i>Electroanalysis</i> , 2002, 14, 141-147.	1.5	165
51	A DNA dual lock-and-key strategy for cell-subtype-specific siRNA delivery. <i>Nature Communications</i> , 2016, 7, 13580.	5.8	165
52	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
53	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> , 2003, 19, 401-409.	5.3	164
54	Chemiluminescence Imaging Immunoassay of Multiple Tumor Markers for Cancer Screening. <i>Analytical Chemistry</i> , 2012, 84, 2410-2415.	3.2	164

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55	Molecular imprinting: a dynamic technique for diverse applications in analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 587-605.	1.9	159
56	Electrodeposition of silver@DNA hybrid nanoparticles for electrochemical sensing of hydrogen peroxide and glucose. <i>Electrochemistry Communications</i> , 2006, 8, 1197-1203.	2.3	159
57	Coreactant Enhanced Anodic Electrochemiluminescence of CdTe Quantum Dots at Low Potential for Sensitive Biosensing Amplified by Enzymatic Cycle. <i>Analytical Chemistry</i> , 2008, 80, 5377-5382.	3.2	159
58	Ultrasensitive Electrochemical Detection of Nucleic Acids by Template Enhanced Hybridization Followed with Rolling Circle Amplification. <i>Analytical Chemistry</i> , 2012, 84, 7166-7171.	3.2	156
59	Design and Biosensing of Mg ²⁺ -Dependent DNAzyme-Triggered Ratiometric Electrochemiluminescence. <i>Analytical Chemistry</i> , 2014, 86, 5158-5163.	3.2	155
60	Signal-On Photoelectrochemical Sensing Strategy Based on Target-Dependent Aptamer Conformational Conversion for Selective Detection of Lead(II) Ion. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15991-15997.	4.0	154
61	Renewable phenol biosensor based on a tyrosinase-colloidal gold modified carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2003, 540, 61-67.	1.9	153
62	Cascade Signal Amplification Strategy for Subattomolar Protein Detection by Rolling Circle Amplification and Quantum Dots Tagging. <i>Analytical Chemistry</i> , 2010, 82, 3337-3342.	3.2	151
63	Photoelectrochemistry of Free Base Porphyrin Functionalized Zinc Oxide Nanoparticles and Their Applications in Biosensing. <i>Chemistry - A European Journal</i> , 2011, 17, 9440-9447.	1.7	151
64	A Responsive Nano String Light for Highly Efficient mRNA Imaging in Living Cells via Accelerated DNA Cascade Reaction. <i>ACS Nano</i> , 2018, 12, 263-271.	7.3	151
65	Reagentless Amperometric Immunosensors Based on Direct Electrochemistry of Horseradish Peroxidase for Determination of Carcinoma Antigen-125. <i>Analytical Chemistry</i> , 2003, 75, 5429-5434.	3.2	149
66	A Bio-Inspired Support of Gold Nanoparticles@Chitosan Nanocomposites Gel for Immobilization and Electrochemical Study of K562 Leukemia Cells. <i>Biomacromolecules</i> , 2007, 8, 1341-1346.	2.6	149
67	A gold nanoparticles/sol-gel composite architecture for encapsulation of immunoconjugate for reagentless electrochemical immunoassay. <i>Biomaterials</i> , 2006, 27, 2313-2321.	5.7	144
68	Surface molecularly imprinted nanowire for protein specific recognition. <i>Chemical Communications</i> , 2008, , 5761.	2.2	143
69	Functionalized Graphene Oxide Mediated Adriamycin Delivery and miR-21 Gene Silencing to Overcome Tumor Multidrug Resistance In Vitro. <i>PLoS ONE</i> , 2013, 8, e60034.	1.1	140
70	A conductive ormosil encapsulated with ferrocene conjugate and multiwall carbon nanotubes for biosensing application. <i>Biomaterials</i> , 2006, 27, 1167-1174.	5.7	139
71	Effective Cell Capture with Tetrapeptide-Functionalized Carbon Nanotubes and Dual Signal Amplification for Cytosensing and Evaluation of Cell Surface Carbohydrate. <i>Analytical Chemistry</i> , 2008, 80, 3867-3872.	3.2	139
72	Amperometric biosensor for hydrogen peroxide based on ferrocene-bovine serum albumin and multiwall carbon nanotube modified ormosil composite. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1529-1535.	5.3	135

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73	Self-Assembled DNA Hydrogel as Switchable Material for Aptamer-Based Fluorescent Detection of Protein. <i>Analytical Chemistry</i> , 2013, 85, 11077-11082.	3.2	135
74	Highly selective detection of microRNA based on distance-dependent electrochemiluminescence resonance energy transfer between CdTe nanocrystals and Au nanoclusters. <i>Biosensors and Bioelectronics</i> , 2014, 51, 431-436.	5.3	135
75	A simple electrochemical biosensor for highly sensitive and specific detection of microRNA based on mismatched catalytic hairpin assembly. <i>Biosensors and Bioelectronics</i> , 2015, 68, 343-349.	5.3	134
76	A sensitive electrochemical DNA biosensor for specific detection of Enterobacteriaceae bacteria by Exonuclease III-assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2013, 48, 132-137.	5.3	130
77	Immunoreaction-triggered DNA assembly for one-step sensitive ratiometric electrochemical biosensing of protein biomarker. <i>Biosensors and Bioelectronics</i> , 2015, 66, 345-349.	5.3	129
78	Electric Field-Driven Strategy for Multiplexed Detection of Protein Biomarkers Using a Disposable Reagentless Electrochemical Immunosensor Array. <i>Analytical Chemistry</i> , 2008, 80, 6072-6077.	3.2	126
79	Ultrasensitive Immunoassay of Protein Biomarker Based on Electrochemiluminescent Quenching of Quantum Dots by Hemin Bio-Bar-Coded Nanoparticle Tags. <i>Analytical Chemistry</i> , 2011, 83, 5214-5221.	3.2	125
80	A porphyrin photosensitized metal-organic framework for cancer cell apoptosis and caspase responsive theranostics. <i>Chemical Communications</i> , 2015, 51, 10831-10834.	2.2	125
81	Graphene-supported ferric porphyrin as a peroxidase mimic for electrochemical DNA biosensing. <i>Chemical Communications</i> , 2013, 49, 916-918.	2.2	121
82	Catalytic Hairpin Assembly-Programmed Porphyrin-DNA Complex as Photoelectrochemical Initiator for DNA Biosensing. <i>Analytical Chemistry</i> , 2015, 87, 5430-5436.	3.2	121
83	Platinum nanoparticles encapsulated metal-organic frameworks for the electrochemical detection of telomerase activity. <i>Chemical Communications</i> , 2016, 52, 1226-1229.	2.2	121
84	Dual Intramolecular Electron Transfer for In Situ Coreactant-Embedded Electrochemiluminescence Microimaging of Membrane Protein. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 197-201.	7.2	121
85	Carbohydrate Monolayer Strategy for Electrochemical Assay of Cell Surface Carbohydrate. <i>Journal of the American Chemical Society</i> , 2008, 130, 7224-7225.	6.6	120
86	Enzyme-quantum dots architecture for highly sensitive electrochemiluminescence biosensing of oxidase substrates. <i>Chemical Communications</i> , 2007, , 404-406.	2.2	119
87	Multifunctional Metal-Organic Framework Nanoprobe for Cathepsin B-Activated Cancer Cell Imaging and Chemo-Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2150-2158.	4.0	118
88	Electrochemiluminescent Quenching of Quantum Dots for Ultrasensitive Immunoassay through Oxygen Reduction Catalyzed by Nitrogen-Doped Graphene-Supported Hemin. <i>Analytical Chemistry</i> , 2013, 85, 5390-5396.	3.2	117
89	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
90	Flow-injection chemiluminescent immunoassay for α -fetoprotein based on epoxysilane modified glass microbeads. <i>Journal of Immunological Methods</i> , 2006, 312, 61-67.	0.6	116

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91	Amperometric glucose sensor based on catalytic reduction of dissolved oxygen at soluble carbon nanofiber. <i>Biosensors and Bioelectronics</i> , 2007, 23, 479-484.	5.3	116
92	A black phosphorus/manganese dioxide nanoplatfrom: Oxygen self-supply monitoring, photodynamic therapy enhancement and feedback. <i>Biomaterials</i> , 2019, 192, 179-188.	5.7	116
93	Target-Cell-Specific Delivery, Imaging, and Detection of Intracellular MicroRNA with a Multifunctional SnO ₂ Nanoprobe. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4607-4612.	7.2	115
94	Selective electrochemical detection of cysteine in complex serum by graphene nanoribbon. <i>Biosensors and Bioelectronics</i> , 2012, 32, 293-296.	5.3	115
95	Motor-Based Autonomous Microsensor for Motion and Counting Immunoassay of Cancer Biomarker. <i>Analytical Chemistry</i> , 2014, 86, 4501-4507.	3.2	115
96	A Disposable Multianalyte Electrochemical Immunosensor Array for Automated Simultaneous Determination of Tumor Markers. <i>Clinical Chemistry</i> , 2007, 53, 1495-1502.	1.5	111
97	Porphyrinic metal-organic framework as electrochemical probe for DNA sensing via triple-helix molecular switch. <i>Biosensors and Bioelectronics</i> , 2015, 71, 373-379.	5.3	111
98	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> , 2006, 12, 1074-1080.	1.7	110
99	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 & Interfaces</i> , 2015, 7, 11015-11023.	4.0	110
100	CdS/MoS ₂ heterojunction-based photoelectrochemical DNA biosensor via enhanced chemiluminescence excitation. <i>Biosensors and Bioelectronics</i> , 2016, 77, 557-564.	5.3	110
101	Direct electrochemistry and electrocatalysis of myoglobin immobilized on a hexagonal mesoporous silica matrix. <i>Analytical Biochemistry</i> , 2004, 332, 23-31.	1.1	109
102	Off-On Electrochemiluminescence System for Sensitive Detection of ATP via Target-Induced Structure Switching. <i>Analytical Chemistry</i> , 2014, 86, 8735-8741.	3.2	109
103	Characterization, Direct Electrochemistry, and Amperometric Biosensing of Graphene by Noncovalent Functionalization with Picket Fence Porphyrin. <i>Chemistry - A European Journal</i> , 2010, 16, 10771-10777.	1.7	108
104	Quantum Dots Based Electrochemiluminescent Immunosensor by Coupling Enzymatic Amplification with Self-Produced Coreactant from Oxygen Reduction. <i>Analytical Chemistry</i> , 2010, 82, 7351-7356.	3.2	106
105	Nitrogen-Doped Porous Carbon Derived from Metal-Organic Gel for Electrochemical Analysis of Heavy-Metal Ion. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16210-16216.	4.0	106
106	Highly sensitive electrocatalytic biosensing of hypoxanthine based on functionalization of graphene sheets with water-soluble conducting graft copolymer. <i>Biosensors and Bioelectronics</i> , 2010, 26, 371-376.	5.3	104
107	Label-Free Surface-Enhanced Raman Spectroscopy for Sensitive DNA Detection by DNA-Mediated Silver Nanoparticle Growth. <i>Analytical Chemistry</i> , 2013, 85, 11788-11793.	3.2	104
108	Highly sensitive amperometric biosensors for phenols based on polyaniline-ionic liquid-carbon nanofiber composite. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1858-1863.	5.3	102

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109	TiO ₂ â€“BiVO ₄ Heterostructure to Enhance Photoelectrochemical Efficiency for Sensitive Aptasensing. ACS Applied Materials & Interfaces, 2017, 9, 27185-27192.	4.0	102
110	DNA-Walker-Induced Allosteric Switch for Tandem Signal Amplification with Palladium Nanoparticles/Metalâ€“Organic Framework Tags in Electrochemical Biosensing. Analytical Chemistry, 2018, 90, 14493-14499.	3.2	101
111	Flow-Through Multianalyte Chemiluminescent Immunosensing System with Designed Substrate Zone-Resolved Technique for Sequential Detection of Tumor Markers. Analytical Chemistry, 2006, 78, 6999-7005.	3.2	100
112	A bienzyme channeling glucose sensor with a wide concentration range based on co-entrapment of enzymes in SBA-15 mesopores. Biosensors and Bioelectronics, 2008, 23, 1070-1076.	5.3	100
113	Low-Potential Electrochemiluminescent Sensing Based on Surface Unpassivation of CdTe Quantum Dots and Competition of Analyte Cation to Stabilizer. Analytical Chemistry, 2010, 82, 3359-3364.	3.2	100
114	Nanoscaled Porphyrinic Metalâ€“Organic Frameworks for Electrochemical Detection of Telomerase Activity via Telomerase Triggered Conformation Switch. Analytical Chemistry, 2016, 88, 10680-10686.	3.2	99
115	CoC ₂ O ₄ ·2H ₂ O derived Co ₃ O ₄ nanorods array: a high-efficiency 1D electrocatalyst for alkaline oxygen evolution reaction. Chemical Communications, 2018, 54, 1533-1536.	2.2	99
116	Voltammetric Behavior and Detection of DNA at Electrochemically Pretreated Glassy Carbon Electrode. Electroanalysis, 2001, 13, 1105-1109.	1.5	98
117	Mediator-free phenol sensor based on titania solâ€“gel encapsulation matrix for immobilization of tyrosinase by a vapor deposition method. Biosensors and Bioelectronics, 2003, 19, 509-514.	5.3	98
118	Direct electron transfer of cytochrome c immobilized on a NaY zeolite matrix and its application in biosensing. Electrochimica Acta, 2004, 49, 2139-2144.	2.6	98
119	A Molecularly Imprinted Copolymer Designed for Enantioselective Recognition of Glutamic Acid. Advanced Functional Materials, 2007, 17, 3223-3230.	7.8	98
120	Fundamentals and bioanalytical applications of functional quantum dots as electrogenerated emitters of chemiluminescence. TrAC - Trends in Analytical Chemistry, 2011, 30, 1351-1359.	5.8	98
121	An amperometric immunosensor for separation-free immunoassay of CA125 based on its covalent immobilization coupled with thionine on carbon nanofiber. Journal of Immunological Methods, 2007, 322, 12-19.	0.6	97
122	Dopamine detection based on its quenching effect on the anodic electrochemiluminescence of CdSe quantum dots. Analyst, The, 2008, 133, 1161.	1.7	97
123	Label-free and high-sensitive detection of Salmonella using a surface plasmon resonance DNA-based biosensor. Journal of Biotechnology, 2012, 160, 123-128.	1.9	97
124	Chemiluminescence excited photoelectrochemistry using grapheneâ€“quantum dots nanocomposite for biosensing. Chemical Communications, 2012, 48, 6535.	2.2	97
125	Electrochemical Antitumor Drug Sensitivity Test for Leukemia K562 Cells at a Carbon-Nanotube-Modified Electrode. Chemistry - A European Journal, 2005, 11, 1467-1472.	1.7	96
126	Disposable Electrochemical Immunosensor by Using Carbon Sphere/Gold Nanoparticle Composites as Labels for Signal Amplification. Chemistry - A European Journal, 2012, 18, 4994-4998.	1.7	96

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127	Catalytic Hairpin Assembly Actuated DNA Nanotweezer for Logic Gate Building and Sensitive Enzyme-Free Biosensing of MicroRNAs. <i>Analytical Chemistry</i> , 2016, 88, 7500-7506.	3.2	96
128	Electroactive Metal-Organic Frameworks as Emitters for Self-Enhanced Electrochemiluminescence in Aqueous Medium. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10446-10450.	7.2	96
129	Channel and Substrate Zone Two-Dimensional Resolution for Chemiluminescent Multiplex Immunoassay. <i>Analytical Chemistry</i> , 2007, 79, 7376-7382.	3.2	95
130	Rapid detection of ssDNA and RNA using multi-walled carbon nanotubes modified screen-printed carbon electrode. <i>Biosensors and Bioelectronics</i> , 2005, 21, 735-741.	5.3	94
131	Gold Nanoparticles Deposited Polyaniline-TiO ₂ Nanotube for Surface Plasmon Resonance Enhanced Photoelectrochemical Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 341-349.	4.0	94
132	Preparation of ormosil and its applications in the immobilizing biomolecules. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 1071-1082.	4.0	93
133	Electrochemiluminescent biosensing of carbohydrate-functionalized CdS nanocomposites for in situ label-free analysis of cell surface carbohydrate. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2500-2505.	5.3	93
134	Ratiometric electrochemical proximity assay for sensitive one-step protein detection. <i>Scientific Reports</i> , 2014, 4, 4360.	1.6	92
135	Label-free signal-on aptasensor for sensitive electrochemical detection of arsenite. <i>Biosensors and Bioelectronics</i> , 2016, 79, 861-865.	5.3	92
136	Dual resonance energy transfer in triple-component polymer dots to enhance electrochemiluminescence for highly sensitive bioanalysis. <i>Chemical Science</i> , 2019, 10, 6815-6820.	3.7	92
137	Bubble-Propelled Jellyfish-like Micromotors for DNA Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13581-13588.	4.0	92
138	Effect of electrolytes on the electrochemical behaviour of 11-(ferrocenylcarbonyloxy)undecanethiol SAMs on gold disk electrodes. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1549-1554.	1.3	89
139	A Simple Electrochemical Cytosensor Array for Dynamic Analysis of Carcinoma Cell Surface Glycans. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6465-6468.	7.2	89
140	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> , 2012, 33, 228-232.	5.3	89
141	A Thermophilic Tetramolecular G-Quadruplex/Hemin DNAzyme. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16636-16640.	7.2	89
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