

Jianping Lei

List of Publications by Year in descending order

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187
papers

13,131
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12303

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192
times ranked

12700
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Biosensing Applications of a Magnetically Immobilizable Covalent G-Quadruplex-Hemin DNAzyme Catalytic System. <i>Analytical Chemistry</i> , 2022, 94, 2212-2219.	3.2	25
2	Glutathione-Responsive Heterogeneous Metal-Organic Framework Hybrids for Photodynamic Gene Synergetic Cell Apoptosis. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	8
3	Nonenzymatic Target-Driven DNA Nanomachine for Monitoring Malathion Contamination in Living Cells and Bioaccumulation in Foods. <i>Analytical Chemistry</i> , 2022, 94, 5667-5673.	3.2	17
4	Efficient Biocatalytic System for Biosensing by Combining Metal-Organic Framework (MOF)-Based Nanozymes and G-Quadruplex (G4)-DNAzymes. <i>Analytical Chemistry</i> , 2022, 94, 7295-7302.	3.2	28
5	Dual Intramolecular Electron Transfer for In Situ Coreactant-Embedded Electrochemiluminescence Microimaging of Membrane Protein. <i>Angewandte Chemie</i> , 2021, 133, 199-203.	1.6	8
6	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
7	A stepwise recognition strategy for the detection of telomerase activity via direct electrochemical analysis of metal-organic frameworks. <i>Analyst</i> , 2021, 146, 1859-1864.	1.7	15
8	Transformable upconversion metal-organic frameworks for near-infrared light-programmed chemotherapy. <i>Chemical Communications</i> , 2021, 57, 7826-7829.	2.2	5
9	A cerium oxide@metal-organic framework nanoenzyme as a tandem catalyst for enhanced photodynamic therapy. <i>Chemical Communications</i> , 2021, 57, 2820-2823.	2.2	30
10	Multifunctional metal-organic framework heterostructures for enhanced cancer therapy. <i>Chemical Society Reviews</i> , 2021, 50, 1188-1218.	18.7	138
11	Dual Intrareticular Oxidation of Mixed-Ligand Metal-Organic Frameworks for Stepwise Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , 2021, 143, 3049-3053.	6.6	81
12	Parallel Lipid Peroxide Accumulation Strategy Based on Bimetal-Organic Frameworks for Enhanced Ferrotherapy. <i>Chemistry - A European Journal</i> , 2021, 27, 4307-4311.	1.7	11
13	Triple-Layered Metal-Organic Framework Hybrid for Tandem Response-Driven Enhanced Chemotherapy. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2068-2074.	1.7	4
14	Direct electrochemistry of silver nanoparticles-decorated metal-organic frameworks for telomerase activity sensing via allosteric activation of an aptamer hairpin. <i>Analytica Chimica Acta</i> , 2021, 1184, 339036.	2.6	11
15	Intrareticular charge transfer regulated electrochemiluminescence of donor-acceptor covalent organic frameworks. <i>Nature Communications</i> , 2021, 12, 6808.	5.8	81
16	Controlled assembly of AIEgens based on a super-quadruplex scaffold for detection of plasma membrane proteins. <i>Analytica Chimica Acta</i> , 2020, 1094, 130-135.	2.6	8
17	Host-guest recognition-regulated aggregation-induced emission for in situ imaging of MUC1 protein. <i>Chemical Communications</i> , 2020, 56, 313-316.	2.2	23
18	Progressive aggregation-induced emission strategy for imaging of aluminum ions in cellular microenvironment. <i>Talanta</i> , 2020, 211, 120699.	2.9	8

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19	Hypoxia-stimulated tumor therapy associated with the inhibition of cancer cell stemness. <i>Biomaterials</i> , 2020, 263, 120330.	5.7	12
20	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
21	Cleancap-Regulated Aggregation-Induced Emission Strategy for Highly Specific Analysis of Enzyme. <i>Analytical Chemistry</i> , 2020, 92, 4726-4730.	3.2	23
22	Electroactive Metal-Organic Frameworks as Emitters for Self-Enhanced Electrochemiluminescence in Aqueous Medium. <i>Angewandte Chemie</i> , 2020, 132, 10532-10536.	1.6	13
23	Single-Sided Competitive Axial Coordination of G-Quadruplex/Hemin as Molecular Switch for Imaging Intracellular Nitric Oxide. <i>Chemistry - A European Journal</i> , 2019, 25, 490-494.	1.7	12
24	Photovoltage-triggered electrochromic tablet for visualized photoelectrochemical sensing. <i>Analytica Chimica Acta</i> , 2019, 1049, 91-97.	2.6	2
25	Beta-cyclodextrin-functionalized CdS nanorods as building modules for ultrasensitive photoelectrochemical bioassay of HIV DNA. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111557.	5.3	27
26	Electroactive metal-organic framework composites: Design and biosensing application. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111743.	5.3	77
27	A rolling circle amplification-assisted DNA walker triggered by multiple DNAzyme cores for highly sensitive electrochemical biosensing. <i>Analyst</i> , The, 2019, 144, 691-697.	1.7	29
28	Telomerase Triggered DNA Walker with a Superhairpin Structure for Human Telomerase Activity Sensing. <i>Analytical Chemistry</i> , 2019, 91, 6981-6985.	3.2	82
29	Electrocatalysis of cerium metal-organic frameworks for ratiometric electrochemical detection of telomerase activity. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111313.	5.3	69
30	Hofmann Metal-Organic Framework Monolayer Nanosheets as an Axial Coordination Platform for Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12986-12992.	4.0	32
31	Metal-Organic Framework (MOF) Hybrid as a Tandem Catalyst for Enhanced Therapy against Hypoxic Tumor Cells. <i>Angewandte Chemie</i> , 2019, 131, 7890-7894.	1.6	125
32	Metal-Organic Framework (MOF) Hybrid as a Tandem Catalyst for Enhanced Therapy against Hypoxic Tumor Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7808-7812.	7.2	139
33	Stepwise electrocatalytic reduction of nitric oxide by cationic picket-fence porphyrin in an ultrathin phospholipid film. <i>Electrochemistry Communications</i> , 2019, 100, 60-63.	2.3	8
34	Quencher-Delocalized Emission Strategy of AIEgen-Based Metal-Organic Framework for Profiling of Subcellular Glutathione. <i>Chemistry - A European Journal</i> , 2019, 25, 4665-4669.	1.7	28
35	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
36	Portable Photoelectrochemical Device Integrated with Self-Powered Electrochromic Tablet for Visual Analysis. <i>Analytical Chemistry</i> , 2018, 90, 3703-3707.	3.2	26

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37	Sensitive detection of intracellular microRNA based on a flowerlike vector with catalytic hairpin assembly. <i>Chemical Communications</i> , 2018, 54, 2550-2553.	2.2	42
38	DNA quadruplexes as molecular scaffolds for controlled assembly of fluorogens with aggregation-induced emission. <i>Chemical Science</i> , 2018, 9, 2559-2566.	3.7	38
39	Dual-triggered oxygen self-supply black phosphorus nanosystem for enhanced photodynamic therapy. <i>Biomaterials</i> , 2018, 172, 83-91.	5.7	86
40	<i>In situ</i> simultaneous profiling of phosphorylation and ubiquitination by single excitation-duplexed luminescence resonance energy transfer. <i>Chemical Communications</i> , 2018, 54, 3648-3651.	2.2	4
41	DNA-Walker-Induced Allosteric Switch for Tandem Signal Amplification with Palladium Nanoparticles/Metal-Organic Framework Tags in Electrochemical Biosensing. <i>Analytical Chemistry</i> , 2018, 90, 14493-14499.	3.2	101
42	Enzyme-immobilized metal-organic framework nanosheets as tandem catalysts for the generation of nitric oxide. <i>Chemical Communications</i> , 2018, 54, 11176-11179.	2.2	52
43	Pixel Counting of Fluorescence Spots Triggered by DNA Walkers for Ultrasensitive Quantification of Nucleic Acid. <i>Analytical Chemistry</i> , 2018, 90, 6357-6361.	3.2	38
44	A core-shell nanoparticle-peptide@metal-organic framework as pH and enzyme dual-recognition switch for stepwise-responsive imaging in living cells. <i>Chemical Communications</i> , 2018, 54, 9155-9158.	2.2	39
45	Binding-induced DNA walker for signal amplification in highly selective electrochemical detection of protein. <i>Biosensors and Bioelectronics</i> , 2017, 96, 201-205.	5.3	80
46	Principles and applications of photoelectrochemical sensing strategies based on biofunctionalized nanostructures. <i>Biosensors and Bioelectronics</i> , 2017, 96, 8-16.	5.3	173
47	Target-triggered cascade assembly of a catalytic network as an artificial enzyme for highly efficient sensing. <i>Chemical Science</i> , 2017, 8, 4833-4839.	3.7	11
48	Ru(bpy) ₃ ²⁺ Incorporated Luminescent Polymer Dots: Double-Enhanced Electrochemiluminescence for Detection of Single-Nucleotide Polymorphism. <i>Analytical Chemistry</i> , 2017, 89, 7659-7666.	3.2	77
49	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
50	Motor-based microprobe powered by bio-assembled catalase for motion detection of DNA. <i>Biosensors and Bioelectronics</i> , 2017, 87, 31-37.	5.3	27
51	Proximity hybridization-regulated chemiluminescence resonance energy transfer for homogeneous immunoassay. <i>Talanta</i> , 2016, 154, 455-460.	2.9	22
52	Ratiometric electrochemiluminescence detection of circulating tumor cells and cell-surface glycans. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 48-55.	1.9	26
53	Nanoscaled Porphyrinic Metal-Organic Frameworks for Electrochemical Detection of Telomerase Activity via Telomerase Triggered Conformation Switch. <i>Analytical Chemistry</i> , 2016, 88, 10680-10686.	3.2	99
54	Dendritic DNA-porphyrin as mimetic enzyme for amplified fluorescent detection of DNA. <i>Talanta</i> , 2016, 150, 661-665.	2.9	17

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55	Ratiometric electrochemiluminescent strategy regulated by electrocatalysis of palladium nanocluster for immunosensing. <i>Biosensors and Bioelectronics</i> , 2016, 77, 733-739.	5.3	71
56	Silole-Containing Polymer Nanodot: An Aqueous Low-Potential Electrochemiluminescence Emitter for Biosensing. <i>Analytical Chemistry</i> , 2016, 88, 845-850.	3.2	77
57	Platinum nanoparticles encapsulated metal-organic frameworks for the electrochemical detection of telomerase activity. <i>Chemical Communications</i> , 2016, 52, 1226-1229.	2.2	121
58	A wavelength-resolved ratiometric photoelectrochemical technique: design and sensing applications. <i>Chemical Science</i> , 2016, 7, 774-780.	3.7	82
59	CdS/MoS ₂ heterojunction-based photoelectrochemical DNA biosensor via enhanced chemiluminescence excitation. <i>Biosensors and Bioelectronics</i> , 2016, 77, 557-564.	5.3	110
60	In situ activation and monitoring of the evolution of the intracellular caspase family. <i>Chemical Science</i> , 2015, 6, 3365-3372.	3.7	28
61	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
62	Carbon nitride nanosheets sensitized quantum dots as photocathode for photoelectrochemical biosensing. <i>Journal of Electroanalytical Chemistry</i> , 2015, 759, 8-13.	1.9	18
63	Electrochemiluminescent DNA sensing using carbon nitride nanosheets as emitter for loading of hemin labeled single-stranded DNA. <i>Biosensors and Bioelectronics</i> , 2015, 73, 7-12.	5.3	44
64	MicroRNA-Responsive Cancer Cell Imaging and Therapy with Functionalized Gold Nanoprobe. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19016-19023.	4.0	38
65	Target-assistant Zn ²⁺ -dependent DNAzyme for signal-on electrochemiluminescent biosensing. <i>Electrochimica Acta</i> , 2015, 155, 341-347.	2.6	19
66	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
67	Strand displacement activated peroxidase activity of hemin for fluorescent DNA sensing. <i>Analyst</i> , The, 2015, 140, 6532-6537.	1.7	8
68	Catalytic Hairpin Assembly-Programmed Porphyrin-DNA Complex as Photoelectrochemical Initiator for DNA Biosensing. <i>Analytical Chemistry</i> , 2015, 87, 5430-5436.	3.2	121
69	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
70	Biosensing strategy based on photocurrent quenching of quantum dots via energy resonance absorption. <i>Science China Chemistry</i> , 2015, 58, 879-884.	4.2	6
71	Persistent luminescence nanoprobe for biosensing and lifetime imaging of cell apoptosis via time-resolved fluorescence resonance energy transfer. <i>Biomaterials</i> , 2015, 67, 323-334.	5.7	67
72	Porphyrin functionalized porous carbon derived from metal-organic framework as a biomimetic catalyst for electrochemical biosensing. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1335-1341.	2.9	43

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73	Label-free triple-helix aptamer as sensing platform for "signal-on" fluorescent detection of thrombin. <i>Talanta</i> , 2015, 132, 387-391.	2.9	32
74	In Situ Generation of Electron Acceptor for Photoelectrochemical Biosensing via Hemin-Mediated Catalytic Reaction. <i>Analytical Chemistry</i> , 2014, 86, 12362-12368.	3.2	79
75	Design and sensing applications of metal-organic framework composites. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 58, 71-78.	5.8	276
76	Quantum dot-functionalized porous ZnO nanosheets as a visible light induced photoelectrochemical platform for DNA detection. <i>Nanoscale</i> , 2014, 6, 2710-2717.	2.8	64
77	Regulative peroxidase activity of DNA-linked hemin by graphene oxide for fluorescence DNA sensing. <i>Chemical Communications</i> , 2014, 50, 6714-6717.	2.2	31
78	"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
79	Design and Biosensing of Mg ²⁺ -Dependent DNAzyme-Triggered Ratiometric Electrochemiluminescence. <i>Analytical Chemistry</i> , 2014, 86, 5158-5163.	3.2	155
80	Catalytic activity of a dual-hemin labelled oligonucleotide: conformational dependence and fluorescent DNA sensing. <i>Chemical Communications</i> , 2014, 50, 15362-15365.	2.2	22
81	"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
82	DNA-regulated silver nanoclusters for label-free ratiometric fluorescence detection of DNA. <i>Chemical Communications</i> , 2014, 50, 13698-13701.	2.2	62
83	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
84	Anodic electrochemiluminescence of graphitic-phase C ₃ N ₄ nanosheets for sensitive biosensing. <i>Talanta</i> , 2014, 122, 130-134.	2.9	70
85	Label-free electrochemical DNA sensing with a one-target-multitriggered hybridization chain reaction strategy. <i>Analyst</i> , The, 2013, 138, 5995.	1.7	32
86	Highly Efficient Visual Detection of Trace Copper(II) and Protein by the Quantum Photoelectric Effect. <i>Analytical Chemistry</i> , 2013, 85, 8735-8740.	3.2	30
87	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
88	Oxidative Synthesis of Highly Fluorescent Boron/Nitrogen Co-Doped Carbon Nanodots Enabling Detection of Photosensitizer and Carcinogenic Dye. <i>Analytical Chemistry</i> , 2013, 85, 10232-10239.	3.2	88
89	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
90	Stepwise Chemical Reaction Strategy for Highly Sensitive Electrochemiluminescent Detection of Dopamine. <i>Analytical Chemistry</i> , 2013, 85, 8001-8007.	3.2	82

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91	A ferrocenyl-terminated dendrimer as an efficient quencher via electron and energy transfer for cathodic electrochemiluminescent bioanalysis. <i>Chemical Communications</i> , 2013, 49, 2106.	2.2	45
92	Label-free electrochemiluminescent detection of DNA by hybridization with a molecular beacon to form hemin/G-quadruplex architecture for signal inhibition. <i>Nanoscale</i> , 2013, 5, 5435.	2.8	60
93	Ultrasensitive fluorescence detection of bleomycin via exonuclease III-aided DNA recycling amplification. <i>Chemical Communications</i> , 2013, 49, 7561.	2.2	32
94	Synthesis and low-potential electrogenerated chemiluminescence of surface passivated phenol formaldehyde resin@CdS quantum dots. <i>Journal of Materials Chemistry C</i> , 2013, 1, 299-306.	2.7	31
95	A DNA machine for sensitive and homogeneous DNA detection via lambda exonuclease assisted amplification. <i>Talanta</i> , 2013, 115, 819-822.	2.9	17
96	Electrochemical sensor based on chlorohemin modified molecularly imprinted microgel for determination of 2,4-dichlorophenol. <i>Analytica Chimica Acta</i> , 2013, 786, 16-21.	2.6	64
97	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
98	MicroRNA: Function, Detection, and Bioanalysis. <i>Chemical Reviews</i> , 2013, 113, 6207-6233.	23.0	1,006
99	Graphene-supported ferric porphyrin as a peroxidase mimic for electrochemical DNA biosensing. <i>Chemical Communications</i> , 2013, 49, 916-918.	2.2	121
100	Assistant DNA recycling with nicking endonuclease and molecular beacon for signal amplification using a target-complementary arched structure. <i>Chemical Communications</i> , 2013, 49, 4006.	2.2	28
101	Platinum nanodendrite functionalized graphene nanosheets as a non-enzymatic label for electrochemical immunosensing. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5347.	2.9	21
102	Host-Guest Interaction of Adamantine with a β -Cyclodextrin-Functionalized AuPd Bimetallic Nanoprobe for Ultrasensitive Electrochemical Immunoassay of Small Molecules. <i>Analytical Chemistry</i> , 2013, 85, 6505-6510.	3.2	83
103	Signal Amplification Using Nanomaterials for Biosensing. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2013, , 17-41.	0.5	2
104	Sub-femtomolar electrochemical detection of DNA using surface circular strand-replacement polymerization and gold nanoparticle catalyzed silver deposition for signal amplification. <i>Biosensors and Bioelectronics</i> , 2013, 39, 199-203.	5.3	62
105	Sensitive fluorescence detection of DNA using isothermal exponential amplification coupled quantum dots coated silica nanospheres as label. <i>RSC Advances</i> , 2013, 3, 13163.	1.7	12
106	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
107	Disposable electrochemiluminescent biosensor using bidentate-chelated CdTe quantum dots as emitters for sensitive detection of glucose. <i>Analyst</i> , 2012, 137, 140-144.	1.7	24
108	Raman spectroscopic detection of sub-picomolar DNA by coupling silver catalyzed silver deposition with circular strand-replacement polymerization on magnetic nanoparticles. <i>Chemical Communications</i> , 2012, 48, 10603.	2.2	29

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109	Fast and High-Performance Screening of Narcotic Drugs on a Microfluidic Device by Micellar Electrokinetic Capillary Chromatography. <i>Analytical Letters</i> , 2012, 45, 652-664.	1.0	6
110	Fabrication of tunable microreactor with enzyme modified magnetic nanoparticles for microfluidic electrochemical detection of glucose. <i>Analytica Chimica Acta</i> , 2012, 709, 41-46.	2.6	55
111	Visible light induced photoelectrochemical biosensing based on oxygen-sensitive quantum dots. <i>Analytica Chimica Acta</i> , 2012, 744, 33-38.	2.6	87
112	Charge recombination suppression-based photoelectrochemical strategy for detection of dopamine. <i>Electrochemistry Communications</i> , 2012, 21, 39-41.	2.3	54
113	Amperometric detection of hypoxanthine and xanthine by enzymatic amplification using a gold nanoparticles-carbon nanohorn hybrid as the carrier. <i>Analyst</i> , 2012, 137, 3126.	1.7	50
114	A Competitive Strategy Coupled with Endonuclease-Assisted Target Recycling for DNA Detection Using Silver-Nanoparticle-Tagged Carbon Nanospheres as Labels. <i>Chemistry - A European Journal</i> , 2012, 18, 13871-13876.	1.7	24
115	Open Tubular Microreactor with Enzyme Functionalized Microfluidic Channel for Amperometric Detection of Glucose. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2145-2150.	2.6	7
116	Cathode photoelectrochemical sensing of copper(ii) based on analyte-induced formation of exciton trapping. <i>Chemical Communications</i> , 2012, 48, 10216.	2.2	82
117	Electrocatalytic reduction of coreactant by highly loaded dendrimer-encapsulated palladium nanoparticles for sensitive electrochemiluminescent immunoassay. <i>Chemical Communications</i> , 2012, 48, 9159.	2.2	32
118	Enzyme-free signal amplification for electrochemical detection of Mycobacterium lipoarabinomannan antibody on a disposable chip. <i>Biosensors and Bioelectronics</i> , 2012, 38, 421-424.	5.3	27
119	Bionic catalysis of porphyrin for electrochemical detection of nucleic acids. <i>Electrochimica Acta</i> , 2012, 83, 73-77.	2.6	14
120	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
121	Signal amplification using functional nanomaterials for biosensing. <i>Chemical Society Reviews</i> , 2012, 41, 2122.	18.7	522
122	Chemiluminescence excited photoelectrochemistry using graphene-quantum dots nanocomposite for biosensing. <i>Chemical Communications</i> , 2012, 48, 6535.	2.2	97
123	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
124	Disposable Electrochemical Immunosensor by Using Carbon Sphere/Gold Nanoparticle Composites as Labels for Signal Amplification. <i>Chemistry - A European Journal</i> , 2012, 18, 4994-4998.	1.7	96
125	Simultaneous multiple enantioseparation with a one-pot imprinted microfluidic channel by microchip capillary electrochromatography. <i>Analyst</i> , 2011, 136, 920-926.	1.7	26
126	Signal amplification by adsorption-induced catalytic reduction of dissolved oxygen on nitrogen-doped carbon nanotubes for electrochemiluminescent immunoassay. <i>Chemical Communications</i> , 2011, 47, 12107.	2.2	38

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127	Facile Hg ²⁺ detection in water using fluorescent self-assembled monolayers of a rhodamine-based turn-on chemodosimeter formed via a click reaction. <i>Journal of Materials Chemistry</i> , 2011, 21, 10878.	6.7	39
128	Signal amplification of streptavidin-horseradish peroxidase functionalized carbon nanotubes for amperometric detection of attomolar DNA. <i>Chemical Communications</i> , 2011, 47, 5220.	2.2	79
129	In situ assembly of gold nanoparticles on nitrogen-doped carbon nanotubes for sensitive immunosensing of microcystin-LR. <i>Chemical Communications</i> , 2011, 47, 668-670.	2.2	66
130	Carbon nanospheres enhanced electrochemiluminescence of CdS quantum dots for biosensing of hypoxanthine. <i>Talanta</i> , 2011, 85, 2154-2158.	2.9	51
131	Fundamentals and bioanalytical applications of functional quantum dots as electrogenerated emitters of chemiluminescence. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1351-1359.	5.8	98
132	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
133	High Electron Transfer Efficiency of Titania Dioxide Nanotube for Low Potential Electrochemiluminescent Biosensing. <i>Electroanalysis</i> , 2011, 23, 2629-2632.	1.5	12
134	Convenient enantioseparation by monolithic imprinted capillary clamped in a chip with electrochemical detection. <i>Electrophoresis</i> , 2011, 32, 1522-1529.	1.3	17
135	Visual Scanometric Detection of DNA through Silver Enhancement Regulated by Gold Nanoparticle Aggregation with a Molecular Beacon as the Trigger. <i>Chemistry - A European Journal</i> , 2011, 17, 11344-11349.	1.7	22
136	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
137	Amplified electrochemiluminescence of quantum dots by electrochemically reduced graphene oxide for nanobiosensing of acetylcholine. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4552-4558.	5.3	87
138	Noncovalent functionalization of carbon nanotubes with lectin for label-free dynamic monitoring of cell-surface glycan expression. <i>Analytical Biochemistry</i> , 2011, 410, 92-97.	1.1	30
139	Porphyrin-functionalized gold nanoparticles for selective electrochemical detection of peroxyacetic acid. <i>Electrochimica Acta</i> , 2011, 56, 3159-3163.	2.6	25
140	Functionalization of graphene nanoribbons with porphyrin for electrocatalysis and amperometric biosensing. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 285-288.	1.9	74
141	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
142	CuO-Doped Mesoporous Silica Hybrid for Rapid and Sensitive Amperometric Detection of Phenolic Compounds. <i>Electroanalysis</i> , 2010, 22, 2407-2412.	1.5	7
143	Noncovalent Assembly of Picket-Fence Porphyrins on Nitrogen-Doped Carbon Nanotubes for Highly Efficient Catalysis and Biosensing. <i>Chemistry - A European Journal</i> , 2010, 16, 4120-4126.	1.7	34
144	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

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