

Hui Wei

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146
papers

12,841
citations

50
h-index

112
g-index

166
ext. papers

15,474
ext. citations

7.7
avg, IF

7.14
L-index

#	Paper	IF	Citations
146	Cerium oxide nanozyme attenuates periodontal bone destruction by inhibiting the ROS-NFB pathway.. <i>Nanoscale</i> , 2022 ,	7.7	5
145	Data-informed discovery of hydrolytic nanozymes.. <i>Nature Communications</i> , 2022 , 13, 827	17.4	9
144	Cerium oxide nanoparticles loaded nanofibrous membranes promote bone regeneration for periodontal tissue engineering. <i>Bioactive Materials</i> , 2022 , 7, 242-253	16.7	9
143	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants.. <i>Methods in Molecular Biology</i> , 2022 , 2408, 317-324	1.4	0
142	Structurally Engineered Light-Responsive Nanozymes for Enhanced Substrate Specificity. <i>Analytical Chemistry</i> , 2021 , 93, 15150-15158	7.8	5
141	Accelerated discovery of superoxide-dismutase nanozymes via high-throughput computational screening. <i>Nature Communications</i> , 2021 , 12, 6866	17.4	12
140	Innenfunktionalbild: Ligand-Dependent Activity Engineering of Glutathione Peroxidase-Mimicking MIL-47(V) Metal-Organic Framework Nanozyme for Therapy (Angew. Chem. 3/2021). <i>Angewandte Chemie</i> , 2021 , 133, 1683-1683	3.6	
139	Exsolution of Noble-Metal Nanoparticles on Perovskites as Enhanced Peroxidase Mimics for Bioanalysis. <i>Analytical Chemistry</i> , 2021 , 93, 5954-5962	7.8	8
138	Genome-Wide Characterization of Dirigent Proteins in Populus: Gene Expression Variation and Expression Pattern in Response to Marssonina brunnea and Phytohormones. <i>Forests</i> , 2021 , 12, 507	2.8	4
137	Plant Secondary Metabolites with an Overview of. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
136	Design of nanozymes for inflammatory bowel disease therapy. <i>Science China Life Sciences</i> , 2021 , 64, 1368-1371	13.7	11
135	Mn3O4 Nanozyme for Inflammatory Bowel Disease Therapy. <i>Advanced Therapeutics</i> , 2021 , 4, 2100081	4.9	5
134	Ligand-Dependent Activity Engineering of Glutathione Peroxidase-Mimicking MIL-47(V) Metal-Organic Framework Nanozyme for Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 1247-1254	3.6	10
133	Ligand-Dependent Activity Engineering of Glutathione Peroxidase-Mimicking MIL-47(V) Metal-Organic Framework Nanozyme for Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1227-1234	16.4	42
132	Hammett Relationship in Oxidase-Mimicking Metal-Organic Frameworks Revealed through a Protein-Engineering-Inspired Strategy. <i>Advanced Materials</i> , 2021 , 33, e2005024	24	27
131	Combining Photothermal Therapy-Induced Immunogenic Cell Death and Hypoxia Relief-Benefited M1-Phenotype Macrophage Polarization for Cancer Immunotherapy. <i>Advanced Therapeutics</i> , 2021 , 4, 2000191	4.9	5
130	In vitro measurement of superoxide dismutase-like nanozyme activity: a comparative study. <i>Analyst</i> , 2021 , 146, 1872-1879	5	11

129	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , 2021 , 40, 101269	17.9	97
128	Synthesis-temperature-regulated multi-enzyme-mimicking activities of ceria nanozymes. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7238-7245	7.3	7
127	Nanozyme-Enabled Analytical Chemistry. <i>Analytical Chemistry</i> , 2021 ,	7.8	17
126	Self-Cascade Uricase/Catalase Mimics Alleviate Acute Gout.. <i>Nano Letters</i> , 2021 ,	11.5	6
125	Multifunctional Nanozyme Hydrogel with Mucosal Healing Activity for Single-Dose Ulcerative Colitis Therapy.. <i>Bioconjugate Chemistry</i> , 2021 ,	6.3	3
124	Effects of Bt-Cry1Ah1 Transgenic Poplar on Target and Non-Target Pests and Their Parasitic Natural Enemy in Field and Laboratory Trials. <i>Forests</i> , 2020 , 11, 1255	2.8	2
123	Nanozyme Sensor Arrays Based on Heteroatom-Doped Graphene for Detecting Pesticides. <i>Analytical Chemistry</i> , 2020 , 92, 7444-7452	7.8	76
122	Phosphate-responsive 2D-metal-organic-framework-nanozymes for colorimetric detection of alkaline phosphatase. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 6905-6911	7.3	23
121	Multifunctional STING-Activating Mn O @Au-dsDNA/DOX Nanoparticle for Antitumor Immunotherapy. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000064	10.1	20
120	Characteristics and Functions of PePIF3, a Gene Related to Circadian Rhythm in <i>Manlin 895</i> Poplar. <i>Plant Molecular Biology Reporter</i> , 2020 , 38, 586-600	1.7	1
119	Peroxidase-like nanozyme sensing arrays for versatile analytes. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	8
118	Overexpression of PtAnnexin1 from <i>Populus trichocarpa</i> enhances salt and drought tolerance in transgenic poplars. <i>Tree Genetics and Genomes</i> , 2020 , 16, 1	2.1	0
117	Using a Heme-Based Nanozyme as Bifunctional Redox Mediator for LiO ₂ Batteries. <i>Batteries and Supercaps</i> , 2020 , 3, 336-340	5.6	7
116	Gold alloy-based nanozyme sensor arrays for biothiols detection. <i>Analyst, The</i> , 2020 , 145, 3916-3921	5	16
115	Light-responsive nanozymes for biosensing. <i>Analyst, The</i> , 2020 , 145, 4388-4397	5	25
114	Current developments and trends in nanobiocatalysis. <i>Scientia Sinica Vitae</i> , 2020 , 50, 682-697	1.4	4
113	Beyond: Novel Applications of Nanozymes. <i>Nanostructure Science and Technology</i> , 2020 , 545-555	0.9	
112	Nanozymology: Perspective and Challenges. <i>Nanostructure Science and Technology</i> , 2020 , 557-562	0.9	

111	Nanozymes for Therapeutics. <i>Nanostructure Science and Technology</i> , 2020 , 459-488	0.9	
110	Nanozymes: Preparation and Characterization. <i>Nanostructure Science and Technology</i> , 2020 , 79-101	0.9	5
109	Overexpression of PtDefensin enhances resistance to Septotia populiperda in transgenic poplar. <i>Plant Science</i> , 2020 , 292, 110379	5.3	6
108	Integrated cascade nanozyme catalyzes in vivo ROS scavenging for anti-inflammatory therapy. <i>Science Advances</i> , 2020 , 6, eabb2695	14.3	97
107	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat (<i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2020 , 21, 778	4.5	11
106	FeO@GO magnetic nanocomposites protect mesenchymal stem cells and promote osteogenic differentiation of rat bone marrow mesenchymal stem cells. <i>Biomaterials Science</i> , 2020 , 8, 5984-5993	7.4	11
105	An Orally Administered CeO ₂ @Montmorillonite Nanozyme Targets Inflammation for Inflammatory Bowel Disease Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 2004692	15.6	52
104	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. <i>Small</i> , 2020 , 16, e1902123	11	52
103	Nucleobase-mediated synthesis of nitrogen-doped carbon nanozymes as efficient peroxidase mimics. <i>Dalton Transactions</i> , 2019 , 48, 1993-1999	4.3	20
102	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of <i>Populus trichocarpa</i> . <i>Plant Physiology and Biochemistry</i> , 2019 , 142, 94-105	5.4	13
101	Light-Responsive Metal-Organic Framework as an Oxidase Mimic for Cellular Glutathione Detection. <i>Analytical Chemistry</i> , 2019 , 91, 8170-8175	7.8	95
100	Metabolomics Reveals the "Invisible" Responses of Spinach Plants Exposed to CeO Nanoparticles. <i>Environmental Science & Technology</i> , 2019 , 53, 6007-6017	10.3	62
99	Overexpression of Enhances Stress Resistance in Poplars. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
98	Optimization of the Sequence Enhances the Hyper-Resistance of Transgenic Poplars to. <i>Frontiers in Plant Science</i> , 2019 , 10, 335	6.2	4
97	Design of high performance nanozymes: a single-atom strategy. <i>Science China Life Sciences</i> , 2019 , 62, 710-712	8.5	37
96	e occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. <i>Nature Communications</i> , 2019 , 10, 704	17.4	112
95	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	33
94	Fluorescent Graphitic Carbon Nitride-Based Nanozymes with Peroxidase-Like Activities for Ratiometric Biosensing. <i>Analytical Chemistry</i> , 2019 , 91, 10648-10656	7.8	86

93	Size and temporal-dependent efficacy of oltipraz-loaded PLGA nanoparticles for treatment of acute kidney injury and fibrosis. <i>Biomaterials</i> , 2019 , 219, 119368	15.6	40
92	Porous Ruthenium Selenide Nanoparticle as a Peroxidase Mimic for Glucose Bioassay. <i>Journal of Analysis and Testing</i> , 2019 , 3, 253-259	3.2	9
91	Characterization, expression profiling, and functional analysis of a Populus trichocarpa defensin gene and its potential as an anti-Agrobacterium rooting medium additive. <i>Scientific Reports</i> , 2019 , 9, 15359	4.9	5
90	N-Doped Carbon As Peroxidase-Like Nanozymes for Total Antioxidant Capacity Assay. <i>Analytical Chemistry</i> , 2019 , 91, 15267-15274	7.8	64
89	Identification and Characterization of an OSH1 Thiol Reductase from. <i>Cells</i> , 2019 , 9,	7.9	6
88	Surface Engineering of Biodegradable Magnesium Alloys for Enhanced Orthopedic Implants. <i>Small</i> , 2019 , 15, e1904486	11	25
87	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in : Overexpression of Enhances Terpenoids in Transgenic Poplar. <i>Frontiers in Plant Science</i> , 2019 , 10, 1476	6.2	6
86	Engineering Nanoceria for Enhanced Peroxidase Mimics: A Solid Solution Strategy. <i>ChemCatChem</i> , 2019 , 11, 737-743	5.2	22
85	Nanomaterials with enzyme-like characteristics (nanozymes): next-generation artificial enzymes (II). <i>Chemical Society Reviews</i> , 2019 , 48, 1004-1076	58.5	1430
84	ROS scavenging MnO nanozymes for anti-inflammation. <i>Chemical Science</i> , 2018 , 9, 2927-2933	9.4	251
83	Correction: A pH responsive AIE probe for enzyme assays. <i>Analyst, The</i> , 2018 , 143, 784	5	2
82	A pH responsive AIE probe for enzyme assays. <i>Analyst, The</i> , 2018 , 143, 741-746	5	15
81	Integrated nanozymes: facile preparation and biomedical applications. <i>Chemical Communications</i> , 2018 , 54, 6520-6530	5.8	95
80	Rational Design of Au@Pt Multibranched Nanostructures as Bifunctional Nanozymes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12954-12959	9.5	77
79	Functional analyses of PtRDM1 gene overexpression in poplars and evaluation of its effect on DNA methylation and response to salt stress. <i>Plant Physiology and Biochemistry</i> , 2018 , 127, 64-73	5.4	8
78	O-generating MnO nanoparticles for enhanced photodynamic therapy of bladder cancer by ameliorating hypoxia. <i>Theranostics</i> , 2018 , 8, 990-1004	12.1	168
77	2D-Metal-Organic-Framework-Nanozyme Sensor Arrays for Probing Phosphates and Their Enzymatic Hydrolysis. <i>Analytical Chemistry</i> , 2018 , 90, 9983-9989	7.8	117
76	Nanozymes for Biomedical Sensing Applications: From In Vitro to Living Systems 2018 , 171-209		2

75	Acid Susceptible Ultrathin Mesoporous Silica Coated on Layered Double Hydroxide Nanoplates for pH Responsive Cancer Therapy.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 928-935	4.1	10
74	Nitrogen-Doped Carbon Nanomaterials as Highly Active and Specific Peroxidase Mimics. <i>Chemistry of Materials</i> , 2018 , 30, 6431-6439	9.6	139
73	Nanozyme Sensor Arrays for Detecting Versatile Analytes from Small Molecules to Proteins and Cells. <i>Analytical Chemistry</i> , 2018 , 90, 11696-11702	7.8	97
72	Nanozyme: An emerging alternative to natural enzyme for biosensing and immunoassay. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 105, 218-224	14.6	319
71	Multifunctional nanozymes: enzyme-like catalytic activity combined with magnetism and surface plasmon resonance. <i>Nanoscale Horizons</i> , 2018 , 3, 367-382	10.8	66
70	An arylboronate locked fluorescent probe for hypochlorite. <i>Analyst, The</i> , 2017 , 142, 2104-2108	5	25
69	Enzymatically activated reduction-caged SERS reporters for versatile bioassays. <i>Analyst, The</i> , 2017 , 142, 2322-2326	5	17
68	Surface-Enhanced Raman Scattering Active Gold Nanoparticles with Enzyme-Mimicking Activities for Measuring Glucose and Lactate in Living Tissues. <i>ACS Nano</i> , 2017 , 11, 5558-5566	16.7	383
67	Monitoring of Heparin Activity in Live Rats Using Metal-Organic Framework Nanosheets as Peroxidase Mimics. <i>Analytical Chemistry</i> , 2017 , 89, 11552-11559	7.8	162
66	Boosting the Peroxidase-Like Activity of Nanostructured Nickel by Inducing Its 3+ Oxidation State in LaNiO Perovskite and Its Application for Biomedical Assays. <i>Theranostics</i> , 2017 , 7, 2277-2286	12.1	71
65	A supercharged fluorescent protein based FRET sensing platform for detection of heparin contamination. <i>Analytical Methods</i> , 2017 , 9, 5593-5597	3.2	8
64	Expression and characterization of the antimicrobial peptide ABP-dHC-cecropin A in the methylotrophic yeast <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2017 , 140, 44-51	2	15
63	Metal Oxide-Based Nanomaterials for Nanozymes. <i>Springer Briefs in Molecular Science</i> , 2016 , 57-91	0.6	3
62	Modulating luminescence of Tb(3+) with biomolecules for sensing heparin and its contaminant OSCS. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 858-863	11.8	20
61	Other Nanomaterials for Nanozymes. <i>Springer Briefs in Molecular Science</i> , 2016 , 93-102	0.6	
60	Rationally Modulate the Oxidase-like Activity of Nanoceria for Self-Regulated Bioassays. <i>ACS Sensors</i> , 2016 , 1, 1336-1343	9.2	199
59	Metal-Based Nanomaterials for Nanozymes. <i>Springer Briefs in Molecular Science</i> , 2016 , 31-55	0.6	3
58	Challenges and Perspectives. <i>Springer Briefs in Molecular Science</i> , 2016 , 103-107	0.6	1

57	Nanozymes in bionanotechnology: from sensing to therapeutics and beyond. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 41-60	6.8	427
56	Functional Nucleic Acid Probe for Parallel Monitoring K(+) and Protoporphyrin IX in Living Organisms. <i>Analytical Chemistry</i> , 2016 , 88, 2937-43	7.8	22
55	Deciphering the quenching mechanism of 2D MnO ₂ nanosheets towards Au nanocluster fluorescence to design effective glutathione biosensors. <i>Analytical Methods</i> , 2016 , 8, 3935-3940	3.2	45
54	Integrated Nanozymes with Nanoscale Proximity for in Vivo Neurochemical Monitoring in Living Brains. <i>Analytical Chemistry</i> , 2016 , 88, 5489-97	7.8	241
53	Introduction to Nanozymes. <i>Springer Briefs in Molecular Science</i> , 2016 , 1-6	0.6	3
52	Carbon-Based Nanomaterials for Nanozymes. <i>Springer Briefs in Molecular Science</i> , 2016 , 7-29	0.6	3
51	High-level SUMO-mediated fusion expression of ABP-dHC-ccropin A from multiple joined genes in Escherichia coli. <i>Analytical Biochemistry</i> , 2016 , 509, 15-23	3.1	9
50	Nanozymes: Next Wave of Artificial Enzymes. <i>Springer Briefs in Molecular Science</i> , 2016 ,	0.6	50
49	A "turn on" fluorescent probe for heparin and its oversulfated chondroitin sulfate contaminant. <i>Chemical Science</i> , 2015 , 6, 6361-6366	9.4	80
48	Protein- and Peptide-directed Approaches to Fluorescent Metal Nanoclusters. <i>Israel Journal of Chemistry</i> , 2015 , 55, 682-697	3.4	41
47	Ratiometric electrochemical sensor for effective and reliable detection of ascorbic acid in living brains. <i>Analytical Chemistry</i> , 2015 , 87, 8889-95	7.8	97
46	Protein-directed approaches to functional nanomaterials: a case study of lysozyme. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 8268-8291	7.3	32
45	Ruthenium polypyridine complexes combined with oligonucleotides for bioanalysis: a review. <i>Molecules</i> , 2014 , 19, 11933-87	4.8	31
44	Biocompatible hyaluronic acid polymer-coated quantum dots for CD44+ cancer cell-targeted imaging. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	12
43	Enhanced and tunable fluorescent quantum dots within a single crystal of protein. <i>Nano Research</i> , 2013 , 6, 627-634	10	19
42	Nanomaterials with enzyme-like characteristics (nanozymes): next-generation artificial enzymes. <i>Chemical Society Reviews</i> , 2013 , 42, 6060-93	58.5	2161
41	Catalysis of gold nanoparticles within lysozyme single crystals. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 680-685	4.5	50
40	Time-dependent, protein-directed growth of gold nanoparticles within a single crystal of lysozyme. <i>Nature Nanotechnology</i> , 2011 , 6, 93-7	28.7	179

39	Electrochemiluminescence of tris(2,2'-bipyridyl)ruthenium and its applications in bioanalysis: a review. <i>Luminescence</i> , 2011 , 26, 77-85	2.5	91
38	Lysozyme-stabilized gold fluorescent cluster: Synthesis and application as Hg(2+) sensor. <i>Analyst, The</i> , 2010 , 135, 1406-10	5	386
37	A carbon nanotubes based ATP apta-sensing platform and its application in cellular assay. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1897-901	11.8	69
36	Combining chemical reduction with an electrochemical technique for the simultaneous detection of Cr(vi), Pb(ii) and Cd(ii). <i>Analyst, The</i> , 2009 , 134, 273-7	5	34
35	Colorimetric recognition of the coralyne-poly(dA) interaction using unmodified gold nanoparticle probes, and further detection of coralyne based upon this recognition system. <i>Analyst, The</i> , 2009 , 134, 1647-51	5	34
34	Enzyme colorimetric assay using unmodified silver nanoparticles. <i>Analytical Chemistry</i> , 2008 , 80, 7051-5	7.8	271
33	Fe3O4 magnetic nanoparticles as peroxidase mimetics and their applications in H2O2 and glucose detection. <i>Analytical Chemistry</i> , 2008 , 80, 2250-4	7.8	1114
32	DNAzyme-based colorimetric sensing of lead (Pb(2+)) using unmodified gold nanoparticle probes. <i>Nanotechnology</i> , 2008 , 19, 095501	3.4	182
31	Multifunctional label-free electrochemical biosensor based on an integrated aptamer. <i>Analytical Chemistry</i> , 2008 , 80, 5110-7	7.8	177
30	Bis(2,2'-bipyridine)(5,6-epoxy-5,6-dihydro-[1,10]phenanthroline)ruthenium: synthesis and electrochemical and electrochemiluminescence characterization. <i>Analytical Chemistry</i> , 2008 , 80, 5635-9	7.8	25
29	The Measurements and Simulations of Millimeter Wave Propagation at 38ghz in Circular Subway Tunnels 2008 ,		2
28	Selective, peroxidase substrate based "signal-on" colorimetric assay for the detection of chromium (VI). <i>Analytica Chimica Acta</i> , 2008 , 630, 181-5	6.6	8
27	Quantitative electrochemiluminescence detection of proteins: Avidin-based sensor and tris(2,2'-bipyridine) ruthenium(II) label. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1645-51	11.8	33
26	[Ru(bpy)3]2+-doped silica nanoparticles within layer-by-layer biomolecular coatings and their application as a biocompatible electrochemiluminescent tag material. <i>Chemistry - A European Journal</i> , 2008 , 14, 3687-93	4.8	50
25	Electrochemical and electrochemiluminescence study of Ru(bpy)(2+)3-doped silica nanoparticles with covalently grafted biomacromolecules. <i>Journal of Colloid and Interface Science</i> , 2008 , 321, 310-4	9.3	31
24	Amplified electrochemical aptasensor taking AuNPs based sandwich sensing platform as a model. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 965-70	11.8	108
23	A electrochemiluminescence aptasensor for detection of thrombin incorporating the capture aptamer labeled with gold nanoparticles immobilized onto the thio-silanized ITO electrode. <i>Analytica Chimica Acta</i> , 2008 , 628, 80-86	6.6	93
22	Solid-state electrochemiluminescence of tris(2,2'-bipyridyl) ruthenium. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 447-459	14.6	147

21	[Ru(bpy) ₂ (dcbpy)NHS] labeling/aptamer-based biosensor for the detection of lysozyme by increasing sensitivity with gold nanoparticle amplification. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1935-41	4.5	47
20	Reusable, label-free electrochemical aptasensor for sensitive detection of small molecules. <i>Chemical Communications</i> , 2007 , 3780-2	5.8	65
19	Nucleobase-Metal Hybrid Materials: Preparation of Submicrometer-Scale, Spherical Colloidal Particles of Adenine-Gold(III) via a Supramolecular Hierarchical Self-Assembly Approach. <i>Chemistry of Materials</i> , 2007 , 19, 2987-2993	9.6	104
18	Electrochemiluminescence sensor based on partial sulfonation of polystyrene with carbon nanotubes. <i>Analytical Chemistry</i> , 2007 , 79, 5439-43	7.8	71
17	SERS opens a new way in aptasensor for protein recognition with high sensitivity and selectivity. <i>Chemical Communications</i> , 2007 , 5220-2	5.8	135
16	Tris(2,2'-bipyridyl) Ruthenium(II) Doped Silica Film Modified Indium Tin Oxide Electrode and Its Electrochemiluminescent Properties. <i>Chinese Journal of Chemistry</i> , 2007 , 25, 159-163	4.9	10
15	Electrochemiluminescence in the S ₂ O ₈ ²⁻ system: Pt ₁₁ d electrodes. <i>Electrochemistry Communications</i> , 2007 , 9, 465-468	5.1	16
14	Label free electrochemiluminescence protocol for sensitive DNA detection with a tris(2,2'-bipyridyl)ruthenium(II) modified electrode based on nucleic acid oxidation. <i>Electrochemistry Communications</i> , 2007 , 9, 1474-1479	5.1	69
13	Room temperature ionic liquid doped DNA network immobilized horseradish peroxidase biosensor for amperometric determination of hydrogen peroxide. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 527-32	4.4	55
12	Submicrometre scale single-crystalline gold plates of nanometre thickness: synthesis through a nucleobase process and growth mechanism. <i>Nanotechnology</i> , 2007 , 18, 295603	3.4	15
11	Electrochemiluminescence-based DNA Detection Using Guanine Oxidation at Electrostatic Self-assembly of Ru(bpy) ₃ ²⁺ -doped Silica Nanoparticles on Indium Tin Oxide Electrode. <i>Chemistry Letters</i> , 2007 , 36, 210-211	1.7	27
10	Silver nanoparticles coated with adenine: preparation, self-assembly and application in surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2007 , 18, 175610	3.4	36
9	Sensitive detection of protein by an aptamer-based label-free fluorescing molecular switch. <i>Chemical Communications</i> , 2007 , 73-5	5.8	114
8	Simple and sensitive aptamer-based colorimetric sensing of protein using unmodified gold nanoparticle probes. <i>Chemical Communications</i> , 2007 , 3735-7	5.8	406
7	Enhanced electrochemiluminescence sensor from tris(2,2'-bipyridyl)ruthenium(II) incorporated into MCM-41 and an ionic liquid-based carbon paste electrode. <i>Analyst, The</i> , 2007 , 132, 687-91	5	41
6	Kinetic study of paracetamol on prolidase activity in erythrocytes by capillary electrophoresis with Ru(bpy) ₃ ⁽²⁺⁾ electrochemiluminescence detection. <i>Electrophoresis</i> , 2006 , 27, 4047-51	3.6	11
5	Field-amplified sample stacking capillary electrophoresis with electrochemiluminescence applied to the determination of illicit drugs on banknotes. <i>Journal of Chromatography A</i> , 2006 , 1115, 260-6	4.5	61
4	Microchip capillary electrophoresis with solid-state electrochemiluminescence detector. <i>Analytical Chemistry</i> , 2005 , 77, 7993-7	7.8	78

- 3 Selective glucose detection based on the concept of electrochemical depletion of electroactive species in diffusion layer. *Biosensors and Bioelectronics*, **2005**, 20, 1366-72 11.8 39
- 2 Strategy for Use of Smart Routes to Prepare Label-Free Aptasensors for Bioassay Using Different Techniques 251-298
- 1 Recent advances on nanozyme-based electrochemical biosensors. *Electroanalysis*, 3 1