

Genxi Li

List of Publications by Citations

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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.

360
papers

10,346
citations

51
h-index

82
g-index

370
ext. papers

11,414
ext. citations

6.7
avg, IF

6.35
L-index

#	Paper	IF	Citations
360	Highly sensitive electrochemical sensor for mercury(II) ions by using a mercury-specific oligonucleotide probe and gold nanoparticle-based amplification. <i>Analytical Chemistry</i> , 2009 , 81, 7660-6	7.8	391
359	A Gold Nanoparticle-Based Aptamer Target Binding Readout for ATP Assay. <i>Advanced Materials</i> , 2007 , 19, 3943-3946	24	375
358	Gold-nanoparticle-based multicolor nanobeacons for sequence-specific DNA analysis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8670-4	16.4	351
357	Graphene quantum dots-based platform for the fabrication of electrochemical biosensors. <i>Electrochemistry Communications</i> , 2011 , 13, 31-33	5.1	296
356	An electrochemical investigation of glucose oxidase at a CdS nanoparticles modified electrode. <i>Biosensors and Bioelectronics</i> , 2005 , 21, 817-21	11.8	176
355	Electron-transfer reactivity and enzymatic activity of hemoglobin in a SP Sephadex membrane. <i>Analytical Chemistry</i> , 2001 , 73, 2850-4	7.8	169
354	Novel method to detect DNA methylation using gold nanoparticles coupled with enzyme-linkage reactions. <i>Analytical Chemistry</i> , 2010 , 82, 229-33	7.8	164
353	Third-generation biosensors based on the direct electron transfer of proteins. <i>Analytical Sciences</i> , 2004 , 20, 603-9	1.7	161
352	Electrochemical study of the effect of nano-zinc oxide on microperoxidase and its application to more sensitive hydrogen peroxide biosensor preparation. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1600-4	11.8	155
351	Enlargement of gold nanoparticles on the surface of a self-assembled monolayer modified electrode: a mode in biosensor design. <i>Analytical Chemistry</i> , 2006 , 78, 5227-30	7.8	147
350	A novel electrochemical method to detect mercury (II) ions. <i>Electrochemistry Communications</i> , 2009 , 11, 1904-1907	5.1	131
349	Protein detection based on small molecule-linked DNA. <i>Analytical Chemistry</i> , 2012 , 84, 4314-20	7.8	126
348	Combination of aptamer with gold nanoparticles for electrochemical signal amplification: application to sensitive detection of platelet-derived growth factor. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1598-602	11.8	118
347	Hemoglobin-based hydrogen peroxide biosensor tuned by the photovoltaic effect of nano titanium dioxide. <i>Analytical Chemistry</i> , 2005 , 77, 6102-4	7.8	103
346	Detection of breast cancer cells specially and accurately by an electrochemical method. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2686-9	11.8	102
345	Direct Electrochemistry and Enhanced Catalytic Activity for Hemoglobin in a Sodium Montmorillonite Film. <i>Electroanalysis</i> , 2000 , 12, 1156-1158	3	98
344	Effect of silver nanoparticles on the electron transfer reactivity and the catalytic activity of myoglobin. <i>ChemBioChem</i> , 2004 , 5, 1686-91	3.8	91

343	A reagentless nitric oxide biosensor based on hemoglobin/DNA films. <i>Analytica Chimica Acta</i> , 2000 , 423, 95-100	6.6	86
342	Enhanced charge transfer by gold nanoparticle at DNA modified electrode and its application to label-free DNA detection. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7579-84	9.5	85
341	Fabrication of a highly sensitive aptasensor for potassium with a nicking endonuclease-assisted signal amplification strategy. <i>Analytical Chemistry</i> , 2011 , 83, 4085-9	7.8	83
340	Improvement of enzyme-linked immunosorbent assay for the multicolor detection of biomarkers. <i>Chemical Science</i> , 2016 , 7, 3011-3016	9.4	82
339	Sensitive detection of human breast cancer cells based on aptamer-cell-aptamer sandwich architecture. <i>Analytica Chimica Acta</i> , 2013 , 764, 59-63	6.6	82
338	A "signal-on" electrochemical aptasensor for simultaneous detection of two tumor markers. <i>Biosensors and Bioelectronics</i> , 2012 , 34, 249-52	11.8	81
337	Electrochemical approach to detect apoptosis. <i>Analytical Chemistry</i> , 2008 , 80, 5272-5	7.8	79
336	Design of DNA nanostructure-based interfacial probes for the electrochemical detection of nucleic acids directly in whole blood. <i>Chemical Science</i> , 2018 , 9, 979-984	9.4	78
335	A general way to assay protein by coupling peptide with signal reporter via supermolecule formation. <i>Analytical Chemistry</i> , 2013 , 85, 1047-52	7.8	76
334	An electrochemical alkaline phosphatase biosensor fabricated with two DNA probes coupled with \square exonuclease. <i>Biosensors and Bioelectronics</i> , 2011 , 27, 178-82	11.8	75
333	Detection of vascular endothelial growth factor based on rolling circle amplification as a means of signal enhancement in surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 83-7	11.8	74
332	A hydrogen peroxide biosensor based on the bioelectrocatalysis of hemoglobin incorporated in a kieselgubr film. <i>Sensors and Actuators B: Chemical</i> , 2002 , 84, 214-218	8.5	74
331	Colorimetric multiplexed immunoassay for sequential detection of tumor markers. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 532-6	11.8	72
330	An amperometric biosensor for the detection of hydrogen peroxide released from human breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 815-9	11.8	71
329	Electrochemical strategy for sensing protein phosphorylation. <i>Bioconjugate Chemistry</i> , 2012 , 23, 141-5	6.3	70
328	Isolation and determination of p-hydroxybenzoylcholine in traditional Chinese medicine Semen sinapis Albae. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 376, 854-8	4.4	70
327	Strategy to fabricate an electrochemical aptasensor: application to the assay of adenosine deaminase activity. <i>Analytical Chemistry</i> , 2010 , 82, 3207-11	7.8	67
326	A nitric oxide biosensor based on the multi-assembly of hemoglobin/montmorillonite/polyvinyl alcohol at a pyrolytic graphite electrode. <i>Biosensors and Bioelectronics</i> , 2003 , 19, 441-5	11.8	67

325	Exonuclease III-based and gold nanoparticle-assisted DNA detection with dual signal amplification. <i>Biosensors and Bioelectronics</i> , 2012 , 33, 211-5	11.8	65
324	Direct electrochemistry and electrocatalysis of hemoglobin in poly-3-hydroxybutyrate membrane. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 1836-42	11.8	65
323	An Electrochemical Biosensor Designed by Using Zr-Based Metal-Organic Frameworks for the Detection of Glioblastoma-Derived Exosomes with Practical Application. <i>Analytical Chemistry</i> , 2020 , 92, 3819-3826	7.8	64
322	Detection of microRNA: A Point-of-Care Testing Method Based on a pH-Responsive and Highly Efficient Isothermal Amplification. <i>Analytical Chemistry</i> , 2017 , 89, 6631-6636	7.8	62
321	An electrochemical sensing strategy for ultrasensitive detection of glutathione by using two gold electrodes and two complementary oligonucleotides. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3347-51	11.8	62
320	Peptide-based electrochemical biosensor for amyloid β -42 soluble oligomer assay. <i>Talanta</i> , 2012 , 93, 358-63	6.2	60
319	Triplex DNA Nanoswitch for pH-Sensitive Release of Multiple Cancer Drugs. <i>ACS Nano</i> , 2019 , 13, 7333-7347	11.7	59
318	Study of Pt/TiO ₂ nanocomposite for cancer-cell treatment. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 98, 207-10	6.7	59
317	Detection of flavonoids and assay for their antioxidant activity based on enlargement of gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 1199-205	4.4	59
316	Wiring electrons of cytochrome c with silver nanoparticles in layered films. <i>ChemPhysChem</i> , 2003 , 4, 1364-6	3.6	59
315	Electrochemical detection of protein based on hybridization chain reaction-assisted formation of copper nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 327-31	11.8	55
314	Simple electrochemical sensing of attomolar proteins using fabricated complexes with enhanced surface binding avidity. <i>Chemical Science</i> , 2015 , 6, 4311-4317	9.4	54
313	Ultrasensitive detection of lead ion based on target induced assembly of DNAzyme modified gold nanoparticle and graphene oxide. <i>Analytica Chimica Acta</i> , 2014 , 831, 60-4	6.6	54
312	A new film for the fabrication of an unmediated H ₂ O ₂ biosensor. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 533-7	11.8	54
311	Gold-Nanoparticle-Based Multicolor Nanobeacons for Sequence-Specific DNA Analysis. <i>Angewandte Chemie</i> , 2009 , 121, 8826-8830	3.6	53
310	A Dual-Enzyme-Assisted Three-Dimensional DNA Walking Machine Using T4 Polynucleotide Kinase as Activators and Application in Polynucleotide Kinase Assays. <i>Analytical Chemistry</i> , 2018 , 90, 2810-2815	7.8	52
309	Colorimetric assay for protein detection based on "nano-pumpkin" induced aggregation of peptide-decorated gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 348-352	11.8	47
308	Detection of apoptosis based on the interaction between annexin V and phosphatidylserine. <i>Analytical Chemistry</i> , 2009 , 81, 2410-3	7.8	47

307	A third-generation hydrogen peroxide biosensor fabricated with hemoglobin and Triton X-100. <i>Sensors and Actuators B: Chemical</i> , 2005 , 106, 284-288	8.5	47
306	Gold nanoparticle-based colorimetric assay of single-nucleotide polymorphism of triplex DNA. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2135-9	11.8	46
305	Highly sensitive electrochemical aptasensor based on a ligase-assisted exonuclease III-catalyzed degradation reaction. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7070-5	9.5	45
304	An electrochemical method to detect folate receptor positive tumor cells. <i>Electrochemistry Communications</i> , 2007 , 9, 2547-2550	5.1	45
303	Magnetic nanoparticles applied in electrochemical detection of controllable DNA hybridization. <i>Analytical Chemistry</i> , 2006 , 78, 2447-9	7.8	45
302	Tuning the redox and enzymatic activity of glucose oxidase in layered organic films and its application in glucose biosensors. <i>Analytical Biochemistry</i> , 2004 , 329, 85-90	3.1	45
301	Surface-immobilized and self-shaped DNA hydrogels and their application in biosensing. <i>Chemical Science</i> , 2018 , 9, 811-818	9.4	45
300	Fabrication of nanozyme@DNA hydrogel and its application in biomedical analysis. <i>Nano Research</i> , 2017 , 10, 959-970	10	44
299	Design of Metal-Organic Framework-Based Nanoprobes for Multicolor Detection of DNA Targets with Improved Sensitivity. <i>Analytical Chemistry</i> , 2018 , 90, 9929-9935	7.8	44
298	An electrochemical biosensor for the assay of alpha-fetoprotein-L3 with practical applications. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 352-357	11.8	44
297	Bridging exosome and liposome through zirconium-phosphate coordination chemistry: a new method for exosome detection. <i>Chemical Communications</i> , 2019 , 55, 2708-2711	5.8	43
296	Aptamer-based and DNAzyme-linked colorimetric detection of cancer cells. <i>Protein and Cell</i> , 2010 , 1, 842-6	7.2	43
295	Detection of microRNA SNPs with ultrahigh specificity by using reduced graphene oxide-assisted rolling circle amplification. <i>Chemical Communications</i> , 2015 , 51, 10002-5	5.8	41
294	Combination of cascade chemical reactions with graphene-DNA interaction to develop new strategy for biosensor fabrication. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 32-7	11.8	41
293	Tools for investigation of the RNA endonuclease activity of mammalian Argonaute2 protein. <i>Analytical Chemistry</i> , 2012 , 84, 2492-7	7.8	41
292	Colorimetric immunoassay for detection of tumor markers. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 5077-94	6.3	41
291	Fabrication of a protease sensor for caspase-3 activity detection based on surface plasmon resonance. <i>Analyst, The</i> , 2013 , 138, 5757-61	5	40
290	A colorimetric method for protein assay via exonuclease III-assisted signal attenuation strategy and specific DNA-protein interaction. <i>Analytica Chimica Acta</i> , 2013 , 788, 171-6	6.6	39

289	Proximity ligation-induced assembly of DNAzymes for simple and cost-effective colourimetric detection of proteins with high sensitivity. <i>Chemical Communications</i> , 2016 , 52, 5633-6	5.8	38
288	Colorimetric copper(II) ion sensor based on the conformational change of peptide immobilized onto the surface of gold nanoparticles. <i>Analytical Methods</i> , 2014 , 6, 2580-2585	3.2	38
287	A colorimetric method for α -glucosidase activity assay and its inhibitor screening based on aggregation of gold nanoparticles induced by specific recognition between phenylenediboronic acid and 4-aminophenyl- β -D-glucopyranoside. <i>Nano Research</i> , 2015 , 8, 920-930	10	37
286	Aptamer-based homogeneous protein detection using cucurbit[7]uril functionalized electrode. <i>Analytica Chimica Acta</i> , 2014 , 812, 45-9	6.6	37
285	Activated effect of lignin on α -amylase. <i>Food Chemistry</i> , 2013 , 141, 2229-37	8.5	37
284	A green method of staining DNA in polyacrylamide gel electrophoresis based on fluorescent copper nanoclusters synthesized in situ. <i>Nano Research</i> , 2015 , 8, 2714-2720	10	37
283	A new electrochemical method for the detection of cancer cells based on small molecule-linked DNA. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 329-33	11.8	37
282	Target induced dissociation (TID) strategy for the development of electrochemical aptamer-based biosensor. <i>Electrochemistry Communications</i> , 2009 , 11, 157-160	5.1	37
281	Self-assembled multilayer of gold nanoparticles for amplified electrochemical detection of cytochrome c. <i>Analyst, The</i> , 2008 , 133, 1242-5	5	37
280	Fabrication of an Aptamer-Coated Liposome Complex for the Detection and Profiling of Exosomes Based on Terminal Deoxynucleotidyl Transferase-Mediated Signal Amplification. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 322-329	9.5	36
279	Rhodopsin-Like Ionic Gate Fabricated with Graphene Oxide and Isomeric DNA Switch for Efficient Photocontrol of Ion Transport. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8239-8243	16.4	35
278	An electrochemical biosensor for the direct detection of oxytetracycline in mouse blood serum and urine. <i>Analyst, The</i> , 2013 , 138, 1886-90	5	35
277	Dynamic light scattering (DLS)-based immunoassay for ultra-sensitive detection of tumor marker protein. <i>Chemical Communications</i> , 2016 , 52, 7850-3	5.8	34
276	A new strategy for a DNA assay based on a target-triggered isothermal exponential degradation reaction. <i>Chemical Communications</i> , 2011 , 47, 5262-4	5.8	34
275	Nitric oxide biosensors based on Hb/phosphatidylcholine films. <i>Analytical Sciences</i> , 2002 , 18, 129-32	1.7	34
274	Direct electrochemical characterization of the interaction between haemoglobin and nitric oxide. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 4409-4413	3.6	34
273	Colorimetric detection of proteins based on target-induced activation of aptazyme. <i>Analytica Chimica Acta</i> , 2016 , 942, 68-73	6.6	34
272	Design and fabrication of flexible DNA polymer cocoons to encapsulate live cells. <i>Nature Communications</i> , 2019 , 10, 2946	17.4	33

271	A simple and general approach to assay protease activity with electrochemical technique. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 1-5	11.8	33
270	Electrochemical characteristics of heme proteins in hydroxyethylcellulose film. <i>Sensors and Actuators B: Chemical</i> , 2006 , 113, 106-111	8.5	33
269	Dynamic Electrochemical Control of Cell Capture-and-Release Based on Redox-Controlled Host-Guest Interactions. <i>Analytical Chemistry</i> , 2016 , 88, 9996-10001	7.8	32
268	Lignin binding to pancreatic lipase and its influence on enzymatic activity. <i>Food Chemistry</i> , 2014 , 149, 99-106	8.5	32
267	Electrochemical strategy for detection of phosphorylation based on enzyme-linked electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 656, 274-278	4.1	32
266	Electrochemical investigation on the catalytic ability of tyrosinase with the effect of nano titanium dioxide. <i>Electrochemistry Communications</i> , 2006 , 8, 1168-1172	5.1	32
265	Regulation of thrombin activity with a bifunctional aptamer and hemin: development of a new anticoagulant and antidote pair. <i>ChemBioChem</i> , 2009 , 10, 2171-6	3.8	31
264	Switchable "On-Off" electrochemical technique for detection of phosphorylation. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 638-42	11.8	31
263	Direct electrochemistry of hemoglobin in dimethyldioctadecyl ammonium bromide film and its electrocatalysis to nitric oxide. <i>Journal of Proteomics</i> , 2005 , 62, 143-51		31
262	Fabrication of Ultrathin, Protein-containing Films by Layer-by-Layer Assembly and Electrochemical Characterization of Hemoglobin Entrapped in the Film. <i>Chemistry Letters</i> , 2003 , 32, 296-297	1.7	31
261	Effect of nano cadmium sulfide on the electron transfer reactivity and peroxidase activity of hemoglobin. <i>Journal of Proteomics</i> , 2005 , 64, 38-45		31
260	Study on the electrocatalytic activity of human telomere G-quadruplex-hemin complex and its interaction with small molecular ligands. <i>Electrochimica Acta</i> , 2009 , 55, 276-280	6.7	30
259	Direct electron transfer reaction of hemoglobin at the bare silver electrode. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 369, 267-269	4.1	30
258	Electrochemical assay of α-glucosidase activity and the inhibitor screening in cell medium. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 666-72	11.8	29
257	A dual-colorimetric signal strategy for DNA detection based on graphene and DNAzyme. <i>RSC Advances</i> , 2014 , 4, 2421-2426	3.7	29
256	A new method to assay protease based on amyloid misfolding: application to prostate cancer diagnosis using a panel of proteases biomarkers. <i>Theranostics</i> , 2014 , 4, 701-7	12.1	29
255	Conjugation of Graphene Oxide with DNA-Modified Gold Nanoparticles to Develop a Novel Colorimetric Sensing Platform. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 201-208	3.1	29
254	An electrochemical biosensor for clenbuterol detection and pharmacokinetics investigation. <i>Talanta</i> , 2013 , 113, 36-40	6.2	29

253	Electrochemical Studies of Camptothecin and Its Interaction with Human Serum Albumin. <i>International Journal of Molecular Sciences</i> , 2007 , 8, 42-50	6.3	29
252	One-Step Modification of Electrode Surface for Ultrasensitive and Highly Selective Detection of Nucleic Acids with Practical Applications. <i>Analytical Chemistry</i> , 2016 , 88, 7583-90	7.8	29
251	Assembly of selective biomimetic surface on an electrode surface: a design of nano-bio interface for biosensing. <i>Analytical Chemistry</i> , 2015 , 87, 5683-9	7.8	28
250	Sensing phenothiazine drugs at a gold electrode co-modified with DNA and gold nanoparticles. <i>Analytical Sciences</i> , 2003 , 19, 653-7	1.7	28
249	An Unmediated Hydrogen Peroxide Sensor Based on a Hemoglobin-sds Film Modified Electrode. <i>Analytical Letters</i> , 2000 , 33, 2631-2644	2.2	28
248	PCR-free electrochemical assay of telomerase activity. <i>Electrochemistry Communications</i> , 2008 , 10, 1502-1504	4.504	27
247	Electrochemical study of photovoltaic effect of nano titanium dioxide on hemoglobin. <i>Bioelectrochemistry</i> , 2006 , 69, 34-40	5.6	27
246	Enhanced electron-transfer reactivity of horseradish peroxidase in phosphatidylcholine films and its catalysis to nitric oxide. <i>Journal of Biotechnology</i> , 2004 , 108, 145-52	3.7	27
245	Effect of dimethyl sulfoxide on the electron transfer reactivity of hemoglobin. <i>Bioelectrochemistry</i> , 2001 , 54, 49-51	5.6	27
244	Detection of colorectal cancer-derived exosomes based on covalent organic frameworks. <i>Biosensors and Bioelectronics</i> , 2020 , 169, 112638	11.8	27
243	DNA nanoflower blooms in nanochannels: a new strategy for miRNA detection. <i>Chemical Communications</i> , 2018 , 54, 11391-11394	5.8	27
242	Colorimetric Sensor Array for Human Semen Identification Designed by Coupling Zirconium Metal-Organic Frameworks with DNA-Modified Gold Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36316-36323	9.5	26
241	An ATP-responsive smart gate fabricated with a graphene oxide-aptamer-nanochannel architecture. <i>Chemical Communications</i> , 2015 , 51, 640-3	5.8	26
240	Fabrication of reusable electrochemical biosensor and its application for the assay of α -glucosidase activity. <i>Analytica Chimica Acta</i> , 2018 , 1026, 140-146	6.6	26
239	Ultra-sensitive detection of Ag ⁺ ions based on Ag ⁺ -assisted isothermal exponential degradation reaction. <i>Biosensors and Bioelectronics</i> , 2013 , 39, 183-6	11.8	26
238	Gold nanoparticles based colorimetric assay of protein poly(ADP-ribosylation). <i>Analyst, The</i> , 2011 , 136, 2044-6	5	26
237	A Centrifugation-based Method for Preparation of Gold Nanoparticles and its Application in Biodetection. <i>International Journal of Molecular Sciences</i> , 2007 , 8, 526-532	6.3	26
236	Highly sensitive voltammetric biosensor for nitric oxide based on its high affinity with hemoglobin. <i>Analytica Chimica Acta</i> , 2004 , 523, 225-228	6.6	26

235	An unmediated hydrogen peroxide biosensor based on hemoglobin incorporated in a montmorillonite membrane. <i>Analyst, The</i> , 2001 , 126, 1086-9	5	26
234	A netlike rolling circle nucleic acid amplification technique. <i>Analyst, The</i> , 2015 , 140, 74-8	5	25
233	Electrochemical studies of danthron and the DNA-danthron interaction. <i>Biophysical Chemistry</i> , 2005 , 114, 21-6	3.5	25
232	Sensitive detection of chloramphenicol based on Ag-DNAzyme-mediated signal amplification modulated by DNA/metal ion interaction. <i>Biosensors and Bioelectronics</i> , 2019 , 127, 45-49	11.8	25
231	Fabrication of magneto-controlled moveable architecture to develop reusable electrochemical biosensors. <i>Scientific Reports</i> , 2014 , 4, 4169	4.9	24
230	Interaction between curcumin and mimetic biomembrane. <i>Science China Life Sciences</i> , 2012 , 55, 527-32	8.5	24
229	A Novel Method for Separating the Anodic Voltammetric Peaks of Dopamine and Ascorbic Acid. <i>Mikrochimica Acta</i> , 2004 , 146, 223-227	5.8	24
228	Iodide Modified Silver Electrode and Its Application to the Electroanalysis of Hemoglobin. <i>Electroanalysis</i> , 2000 , 12, 205-208	3	24
227	Voltammetric response and determination of DNA with a silver electrode. <i>Analytical Biochemistry</i> , 1999 , 271, 1-7	3.1	24
226	Rolling circle amplification in electrochemical biosensor with biomedical applications. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 223-232	4.1	24
225	Ultrasensitive Quantitation of Plasma Membrane Proteins via isRTA. <i>Analytical Chemistry</i> , 2017 , 89, 10776-10782	6.8	23
224	Fabrication of hand-in-hand nanostructure for one-step protein detection. <i>Chemical Communications</i> , 2013 , 49, 3760-2	5.8	23
223	Electron transfer reactivity and the catalytic activity of horseradish peroxidase incorporated in dipalmitoylphosphatidic acid films. <i>Bioelectrochemistry</i> , 2006 , 68, 98-104	5.6	23
222	Electrochemical investigations of baicalin and DNA-baicalin interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 283-6	4.4	23
221	Incorporation of horseradish peroxidase in a Kieselguhr membrane and the application to a mediator-free hydrogen peroxide sensor. <i>Analytical Sciences</i> , 2001 , 17, 273-6	1.7	23
220	An electrochemical biosensor for sensitive analysis of the SARS-CoV-2 RNA. <i>Biosensors and Bioelectronics</i> , 2021 , 186, 113309	11.8	23
219	Assembly of Self-Cleaning Electrode Surface for the Development of Refreshable Biosensors. <i>Analytical Chemistry</i> , 2017 , 89, 4131-4138	7.8	22
218	From Interface to Solution: Integrating Immunoassay with Netlike Rolling Circle Amplification for Ultrasensitive Detection of Tumor Biomarker. <i>Theranostics</i> , 2017 , 7, 31-39	12.1	22

217	A set of logic gates fabricated with G-quadruplex assembled at an electrode surface. <i>Chemical Communications</i> , 2012 , 48, 7507-9	5.8	22
216	Electrochemical investigation of redox thermodynamics of immobilized myoglobin: ionic and ligation effects. <i>Langmuir</i> , 2005 , 21, 375-8	4	22
215	An electrochemical biosensor for nitric oxide based on silver nanoparticles and hemoglobin. <i>Analytical Sciences</i> , 2004 , 20, 1271-5	1.7	22
214	Imidazole modified silver electrode and its application to the investigation of the electrochemistry of cytochrome c. <i>Analytica Chimica Acta</i> , 1996 , 319, 275-276	6.6	22
213	Peptide-based method for detection of metastatic transformation in primary tumors of breast cancer. <i>Analytical Chemistry</i> , 2015 , 87, 9251-6	7.8	21
212	Sensing purine nucleoside phosphorylase activity by using silver nanoparticles. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1032-6	11.8	21
211	Solubilization of Single-walled Carbon Nanotubes with Single-stranded DNA Generated from Asymmetric PCR. <i>International Journal of Molecular Sciences</i> , 2007 , 8, 705-713	6.3	21
210	In Vitro Analysis of DNA-Protein Interactions in Gene Transcription Using DNAzyme-Based Electrochemical Assay. <i>Analytical Chemistry</i> , 2017 , 89, 5003-5007	7.8	20
209	An array-based approach to determine different subtype and differentiation of non-small cell lung cancer. <i>Theranostics</i> , 2015 , 5, 62-70	12.1	20
208	Combining peptide and DNA for protein assay: CRIP1 detection for breast cancer staging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 459-63	9.5	20
207	An easy and rapid method to determine aristolochic acids I and II with high sensitivity. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 388-90	4.4	20
206	Electrochemical sensing DNA damage with nano-titanium dioxide and repair with a medicinal herb species resveratrol. <i>Journal of Biotechnology</i> , 2007 , 127, 653-6	3.7	19
205	An electrochemical investigation of effect of ATP on hemoglobin. <i>Biophysical Chemistry</i> , 2003 , 106, 267-335	3.5	19
204	A pH-responsive bioassay for paper-based diagnosis of exosomes via mussel-inspired surface chemistry. <i>Talanta</i> , 2019 , 192, 325-330	6.2	19
203	Design Nanoprobe Based on Its Binding with Amino Acid Residues on Cell Surface and Its Application to Electrochemical Analysis of Cells. <i>Analytical Chemistry</i> , 2019 , 91, 1005-1010	7.8	19
202	Direct application of gold nanoparticles to one-pot electrochemical biosensors. <i>Analytica Chimica Acta</i> , 2014 , 849, 1-6	6.6	18
201	Design of a bi-functional peptide for protein assays: observation of cortactin expression in human placenta. <i>Chemical Communications</i> , 2013 , 49, 5387-9	5.8	18
200	Electrochemical study of a heminDNA complex and its activity as a ligand binder. <i>Electrochimica Acta</i> , 2008 , 53, 4407-4413	6.7	18

199	An approach to assay calcineurin activity and the inhibitory effect of zinc ion. <i>Analytical Biochemistry</i> , 2008 , 375, 385-7	3.1	18
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