

# Genxi Li

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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	Peptide Assembled in a Nano-confined Space as a Molecular Rectifier for the Availability of Ionic Current Modulation.. <i>Nano Letters</i> , <b>2022</b> ,	11.5	2
359	Single-Cell Quantitative Phenotyping the Aptamer-Mounted Nest-PCR (Apt-nPCR).. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	1
358	Colorimetric immunosensor constructed using 2D metal-organic framework nanosheets as enzyme mimics for the detection of protein biomarkers.. <i>Journal of Materials Chemistry B</i> , <b>2022</b> ,	7.3	3
357	A dual-recognition-controlled electrochemical biosensor for accurate and sensitive detection of specific circulating tumor cells.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 201, 113973	11.8	2
356	In situ peptide self-assembly on ionic nanochannel for dynamic monitoring of MMPs in extracellular matrix. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 195, 113671	11.8	5
355	Visual naked-eye detection of SARS-CoV-2 RNA based on covalent organic framework capsules. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132332	14.7	7
354	Direct acupuncture of nitric oxide by an electrochemical microsensor with high time-space resolution. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 195, 113667	11.8	1
353	Electrochemical Evaluation of Tumor Development via Cellular Interface Supported CRISPR/Cas Trans-Cleavage.. <i>Research</i> , <b>2022</b> , 2022, 9826484	7.8	0
352	An electrochemical biosensor for PD-L1 positive exosomes based on ultra-thin two-dimensional covalent organic framework nanosheets coupled with CRISPR-Cas12a mediated signal amplification. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 362, 131813	8.5	1
351	Target-triggered cascade signal amplification for sensitive electrochemical detection of SARS-CoV-2 with clinical application.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1208, 339846	6.6	3
350	Aptamer-Functionalized Nanochannels for One-Step Detection of SARS-CoV-2 in Samples from COVID-19 Patients. <i>Analytical Chemistry</i> , <b>2021</b> ,	7.8	6
349	Biocatalytic CsPbX Perovskite Nanocrystals: A Self-Reporting Nanoprobe for Metabolism Analysis. <i>Small</i> , <b>2021</b> , 17, e2103255	11	4
348	Electrochemical Trans-Channel Assay for Efficient Evaluation of Tumor Cell Invasiveness. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 17268-17275	9.5	1
347	Electrochemical Deposition of Cu Metal-Organic Framework Films for the Dual Analysis of Pathogens. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8994-9001	7.8	10
346	Co-assembly of Peptides and Carbon Nanodots: Sensitive Analysis of Transglutaminase 2. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 36919-36925	9.5	2
345	Sensor array for rapid pathogens identification fabricated with peptide-conjugated 2D metal-organic framework nanosheets. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126707	14.7	12
344	Fabrication of an artificial ionic gate inspired by mercury-resistant bacteria for simple and sensitive detection of mercury ion. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 326, 128976	8.5	4

343	A robust CRISPR-Cas12a biosensor coated with metal-organic framework. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 5451-5455	7.3	1
342	A simple method to assay tumor cells based on target-initiated steric hindrance. <i>Chemical Communications</i> , <b>2021</b> , 57, 6522-6525	5.8	0
341	One-step assay of pore-forming biotoxins based on biomimetic perovskite nanocrystals. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 338, 129839	8.5	0
340	Rapid Naked-Eye Tracking of On-Cell Phenotype Based on Dual-Aptamer-Weaved Cascade Assembly of Nanostructures. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11159-11166	7.8	1
339	Nanocomposite of Peroxidase-Like Cucurbit[6]uril with Enzyme-Encapsulated ZIF-8 and Application for Colorimetric Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 39719-39729	9.5	3
338	An electrochemical biosensor for sensitive analysis of the SARS-CoV-2 RNA. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 186, 113309	11.8	23
337	Target-Initiated Great Change in Electrochemical Steric Hindrance for an Assay of Granzyme B Activity. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13382-13388	7.8	1
336	Biosensor-based assay of exosome biomarker for early diagnosis of cancer. <i>Frontiers of Medicine</i> , <b>2021</b> , 1	12	5
335	In Situ Programmable DNA Circuit-Promoted Electrochemical Characterization of Stemlike Phenotype in Breast Cancer. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 16078-16086	16.4	7
334	Spherical nucleic acids-based cascade signal amplification for highly sensitive detection of exosomes. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 191, 113465	11.8	14
333	Template-free multiple signal amplification for highly sensitive detection of cancer cell-derived exosomes. <i>Chemical Communications</i> , <b>2021</b> , 57, 8508-8511	5.8	7
332	Polyvalent Biotinylated Aptamer Scaffold for Rapid and Sensitive Detection of Tau Proteins. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 15162-15168	7.8	5
331	Highly sensitive detection of lipopolysaccharide based on collaborative amplification of dual enzymes. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1126, 31-37	6.6	8
330	Gold Nanoparticles-based Bio-Sensing Methods for Tumor-related Biomedical Applications in Bodily Fluids. <i>Current Nanoscience</i> , <b>2020</b> , 16, 425-440	1.4	2
329	Individual Cloud-Based Fingerprint Operation Platform for Latent Fingerprint Identification Using Perovskite Nanocrystals as Eikonogen. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13494-13502	9.5	16
328	In Situ Reduction of Porous Copper Metal-Organic Frameworks for Three-Dimensional Catalytic Click Immunoassay. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2972-2978	7.8	12
327	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> , <b>2020</b> , 92, 3819-3826	7.8	64
326	Multiple signal amplification via coupling DNAzyme with strand displacement reaction for sensitive colorimetric analysis of MUC1. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 313, 128046	8.5	8

325	Nondestructive analysis of tumor-associated membrane protein MUC1 in living cells based on dual-terminal amplification of a DNA ternary complex. <i>Theranostics</i> , <b>2020</b> , 10, 4410-4421	12.1	8
324	Homogenous Electrochemical Method for Ultrasensitive Detection of Tumor Cells Designed by Introduction of Poly(A) Tails onto Cell Membranes. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2194-2200	7.8	14
323	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 &amp; Interfaces</i> , <b>2020</b> , 12, 322-329	9.5	36
322	Peptide-functionalized metal-organic framework nanocomposite for ultrasensitive detection of secreted protein acidic and rich in cysteine with practical application. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 169, 112613	11.8	9
321	A simple and sensitive method for exosome detection based on steric hindrance-controlled signal amplification. <i>Chemical Communications</i> , <b>2020</b> , 56, 13768-13771	5.8	17
320	Detection of colorectal cancer-derived exosomes based on covalent organic frameworks. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 169, 112638	11.8	27
319	DNA Hydrogel-Based Three-Dimensional Electron Transporter and Its Application in Electrochemical Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 36851-36859	9.5	13
318	Point-of-care testing of protein biomarkers by integrating a personal glucose meter with a concatenated DNA amplifier. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 322, 128659	8.5	5
317	Lighting Up CircRNA Using a Linear DNA Nanostructure. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 12394-12399	7.8	14
316	Direct Analysis of Rare Circulating Tumor Cells in Whole Blood Based on Their Controlled Capture and Release on Electrode Surface. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 13478-13484	7.8	15
315	Electrochemical detection of circRNAs based on the combination of back-splice junction and duplex-specific nuclease. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 302, 127166	8.5	16
314	A new colorimetric assay method for the detection of anti-hepatitis C virus antibody with high sensitivity. <i>Analyst, The</i> , <b>2019</b> , 144, 6365-6370	5	5
313	Colorimetric Sensor Array for Human Semen Identification Designed by Coupling Zirconium Metal-Organic Frameworks with DNA-Modified Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36316-36323	9.5	26
312	Triplex DNA Nanoswitch for pH-Sensitive Release of Multiple Cancer Drugs. <i>ACS Nano</i> , <b>2019</b> , 13, 7333-7347	14.7	59
311	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> , <b>2019</b> , 141, 8239-8243	16.4	35
310	Electrochemical analysis of 8-hydroxy-2-deoxyguanosine with enhanced sensitivity based on exonuclease-mediated functional nucleic acid. <i>Talanta</i> , <b>2019</b> , 199, 324-328	6.2	8
309	Coating a DNA self-assembled monolayer with a metal organic framework-based exoskeleton for improved sensing performance. <i>Analyst, The</i> , <b>2019</b> , 144, 3539-3545	5	6
308	Bridging exosome and liposome through zirconium-phosphate coordination chemistry: a new method for exosome detection. <i>Chemical Communications</i> , <b>2019</b> , 55, 2708-2711	5.8	43

307	Erythrocyte membrane-biointerfaced spherical nucleic acids: Robust performance for microRNA quantification. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1080, 189-195	6.6	3
306	Fabrication of gold nanoparticle@protease for cancer therapy and disinfection. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 107, 107456	3.1	3
305	Sensor Array Fabricated with Nanoscale Metal-Organic Frameworks for the Histopathological Examination of Colon Cancer. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 10772-10778	7.8	15
304	Design and fabrication of flexible DNA polymer cocoons to encapsulate live cells. <i>Nature Communications</i> , <b>2019</b> , 10, 2946	17.4	33
303	Dual-Responsive DNA Nanodevice for the Available Imaging of an Apoptotic Signaling Pathway. <i>ACS Nano</i> , <b>2019</b> , 13, 12840-12850	16.7	11
302	A novel method to engineer proteases for selective enzyme inhibition. <i>Chemical Communications</i> , <b>2019</b> , 55, 14039-14042	5.8	0
301	A pH-responsive bioassay for paper-based diagnosis of exosomes via mussel-inspired surface chemistry. <i>Talanta</i> , <b>2019</b> , 192, 325-330	6.2	19
300	An electrochemical sensor for Oct4 detection in human tissue based on target-induced steric hindrance effect on a tetrahedral DNA nanostructure. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 127, 194-199	11.8	17
299	Sensitive detection of chloramphenicol based on Ag-DNAzyme-mediated signal amplification modulated by DNA/metal ion interaction. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 127, 45-49	11.8	25
298	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> , <b>2019</b> , 91, 1005-1010	7.8	19
297	DNA-Oriented Shaping of Cell Features for the Detection of Rare Disseminated Tumor Cells. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 1126-1132	7.8	14
296	Fabrication of reusable electrochemical biosensor and its application for the assay of $\alpha$ -glucosidase activity. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1026, 140-146	6.6	26
295	Assembly of Nanoconjugates as New Kind Inhibitor of the Aggregation of Amyloid Peptides Associated with Alzheimer's Disease. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1700384	3.1	5
294	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> , <b>2018</b> , 90, 2810-2815	7.8	52
293	Research progresses on the functional polypeptides in the detection and imaging of breast cancer. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 2510-2523	7.3	9
292	Design of Metal-Organic Framework-Based Nanoprobes for Multicolor Detection of DNA Targets with Improved Sensitivity. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9929-9935	7.8	44
291	Colorimetric assay of membrane-bound enzyme based on lipid bilayer inhibition of ion transport. <i>Theranostics</i> , <b>2018</b> , 8, 3275-3283	12.1	8
290	Design of DNA nanostructure-based interfacial probes for the electrochemical detection of nucleic acids directly in whole blood. <i>Chemical Science</i> , <b>2018</b> , 9, 979-984	9.4	78

289	Embedding Capture-Magneto-Catalytic Activity into a Nanocatalyst for the Determination of Lipid Kinase. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 59-65	9.5	4
288	Surface-immobilized and self-shaped DNA hydrogels and their application in biosensing. <i>Chemical Science</i> , <b>2018</b> , 9, 811-818	9.4	45
287	A method to directly assay circRNA in real samples. <i>Chemical Communications</i> , <b>2018</b> , 54, 13451-13454	5.8	14
286	Molecular imaging of telomerase and the enzyme activity-triggered drug release by using a conformation-switchable nanoprobe in cancerous cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 16341	4.9	10
285	Nondestructive Analysis of Tumor-Associated Membrane Protein Integrating Imaging and Amplified Detection in situ Based on Dual-Labeled DNAzyme. <i>Theranostics</i> , <b>2018</b> , 8, 1075-1083	12.1	12
284	Design of a stretchable DNAzyme for sensitive and multiplexed detection of antibodies. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1041, 102-107	6.6	5
283	DNA nanoflower blooms in nanochannels: a new strategy for miRNA detection. <i>Chemical Communications</i> , <b>2018</b> , 54, 11391-11394	5.8	27
282	Oxime chemistry-mediated covalent capturing on electrode surface with guanidinium recognition and application for aldolase activity assay. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 242, 687-693	8.5	6
281	Assembly of Self-Cleaning Electrode Surface for the Development of Refreshable Biosensors. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4131-4138	7.8	22
280	Detection of microRNA: A Point-of-Care Testing Method Based on a pH-Responsive and Highly Efficient Isothermal Amplification. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 6631-6636	7.8	62
279	In Vitro Analysis of DNA-Protein Interactions in Gene Transcription Using DNAzyme-Based Electrochemical Assay. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 5003-5007	7.8	20
278	One-step colorimetric detection of an antibody based on protein-induced unfolding of a G-quadruplex switch. <i>Chemical Communications</i> , <b>2017</b> , 53, 4692-4694	5.8	14
277	Fabrication of nanozyme@DNA hydrogel and its application in biomedical analysis. <i>Nano Research</i> , <b>2017</b> , 10, 959-970	10	44
276	Electrochemical assay of lipid kinase activity facilitated by liposomes. <i>Electrochimica Acta</i> , <b>2017</b> , 252, 362-367	6.7	5
275	From Interface to Solution: Integrating Immunoassay with Netlike Rolling Circle Amplification for Ultrasensitive Detection of Tumor Biomarker. <i>Theranostics</i> , <b>2017</b> , 7, 31-39	12.1	22
274	Ultrasensitive Quantitation of Plasma Membrane Proteins via isRTA. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10776-10782	12.1	22
273	Flexible regulation of DNA displacement reaction through nucleic acid-recognition enzyme and its application in keypad lock system and biosensing. <i>Scientific Reports</i> , <b>2017</b> , 7, 10017	4.9	4
272	The design of a mechanical wave-like DNA nanomachine for the fabrication of a programmable and multifunctional molecular device. <i>Chemical Communications</i> , <b>2017</b> , 53, 10504-10507	5.8	3

271	Electrochemical Analysis of Enzyme Based on the Self-Assembly of Lipid Bilayer on an Electrode Surface Mediated by Hydrazone Chemistry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 13245-13251	7.8	10
270	Dynamic sandwich-type electrochemical assay for protein quantification and protein-protein interaction. <i>Analyst, The</i> , <b>2017</b> , 142, 4399-4404	5	3
269	An electrochemical biosensor for the assay of alpha-fetoprotein-L3 with practical applications. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 352-357	11.8	44
268	Highly sensitive protein detection based on DNAzyme cycling activated surface assembly of peptide decorated nanoparticles. <i>Electrochemistry Communications</i> , <b>2016</b> , 71, 84-88	5.1	9
267	Simple and fast screening of G-quadruplex ligands with electrochemical detection system. <i>Talanta</i> , <b>2016</b> , 160, 144-147	6.2	6
266	Evaluating Tumor-Associated Activity of Extracellular Sulfatase by Analyzing Naturally Occurring Substrate in Tumor Microenvironment of Hepatocellular Carcinoma. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 12287-12293	7.8	6
265	Dynamic Electrochemical Control of Cell Capture-and-Release Based on Redox-Controlled Host-Guest Interactions. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9996-10001	7.8	32
264	Dynamic light scattering (DLS)-based immunoassay for ultra-sensitive detection of tumor marker protein. <i>Chemical Communications</i> , <b>2016</b> , 52, 7850-3	5.8	34
263	Investigation of MTH1 activity via mismatch-based DNA chain elongation. <i>Analytica Chimica Acta</i> , <b>2016</b> , 905, 66-71	6.6	7
262	Proximity ligation-induced assembly of DNAzymes for simple and cost-effective colourimetric detection of proteins with high sensitivity. <i>Chemical Communications</i> , <b>2016</b> , 52, 5633-6	5.8	38
261	Colorimetric determination of islet amyloid polypeptide fibrils and their inhibitors using resveratrol functionalized gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 659-665	5.8	6
260	Improvement of enzyme-linked immunosorbent assay for the multicolor detection of biomarkers. <i>Chemical Science</i> , <b>2016</b> , 7, 3011-3016	9.4	82
259	Electrochemical Detection and Distribution Analysis of E-Catenin for the Evaluation of Invasion and Metastasis in Hepatocellular Carcinoma. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3879-84	7.8	3
258	Detection of Tumor Invasive Biomarker using a Peptamer of Signal Conversion and Signal Amplification. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3662-8	7.8	14
257	Self-Catalyzed Assembly of Peptide Scaffolded Nanozyme as a Dynamic Biosensing System. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2833-9	9.5	11
256	Nicking Enzyme-Assisted Branched-Chain RCA Reaction for Cascade DNA Amplification <b>2016</b> , 49-56		
255	One-Step Modification of Electrode Surface for Ultrasensitive and Highly Selective Detection of Nucleic Acids with Practical Applications. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7583-90	7.8	29
254	Rolling circle amplification in electrochemical biosensor with biomedical applications. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 781, 223-232	4.1	24

253	Switchable DNA wire: deposition-stripping of copper nanoclusters as an "ON-OFF" nanoswitch. <i>Scientific Reports</i> , <b>2016</b> , 6, 19515	4.9	11
252	Enzymatically Regulated Peptide Pairing and Catalysis for the Bioanalysis of Extracellular Prometastatic Activities of Functionally Linked Enzymes. <i>Scientific Reports</i> , <b>2016</b> , 6, 25362	4.9	4
251	Electrochemical detection of DNA 3Rphosphatases based on surface-extended DNA nanotail strategy. <i>Analytica Chimica Acta</i> , <b>2016</b> , 924, 29-34	6.6	6
250	Multifunctional nanocatalyst-based ultrasensitive detection of human tissue transglutaminase 2. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 83, 85-90	11.8	9
249	Recognition-induced covalent capturing and labeling as a general strategy for protein detection. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 80, 560-565	11.8	10
248	Peptide-induced bio-mineralization as a bio-mimetic means of detecting proteins in a mineralizing bio-context. <i>Nano Research</i> , <b>2016</b> , 9, 1489-1496	10	4
247	Colorimetric detection of proteins based on target-induced activation of aptazyme. <i>Analytica Chimica Acta</i> , <b>2016</b> , 942, 68-73	6.6	34
246	Electrochemical detection of Nanog in cell extracts via target-induced resolution of an electrode-bound DNA pseudoknot. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 933-938	11.8	8
245	Highly Sensitive Protein Detection Based on Smart Hybrid Nanocomposite-Controlled Switch of DNA Polymerase Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 28202-28207	9.5	15
244	Electrochemical assay of $\alpha$ -glucosidase activity and the inhibitor screening in cell medium. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 666-72	11.8	29
243	A simple and visible colorimetric method through Zr(4+)-phosphate coordination for the assay of protein tyrosine phosphatase 1B and screening of its inhibitors. <i>Analyst, The</i> , <b>2015</b> , 140, 5716-23	5	6
242	Enzyme-free dual amplification strategy for protein assay by coupling toehold-mediated DNA strand displacement reaction with hybridization chain reaction. <i>Electrochemistry Communications</i> , <b>2015</b> , 58, 33-36	5.1	14
241	An electrochemical method to assay the activity of NAD(P)H: Quinone oxidoreductase 1. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 216, 343-348	8.5	5
240	Colorimetric assay for protein detection based on "nano-pumpkin" induced aggregation of peptide-decorated gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 71, 348-352	11.8	47
239	Assembly of selective biomimetic surface on an electrode surface: a design of nano-bio interface for biosensing. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 5683-9	7.8	28
238	An array-based approach to determine different subtype and differentiation of non-small cell lung cancer. <i>Theranostics</i> , <b>2015</b> , 5, 62-70	12.1	20
237	Detection of microRNA SNPs with ultrahigh specificity by using reduced graphene oxide-assisted rolling circle amplification. <i>Chemical Communications</i> , <b>2015</b> , 51, 10002-5	5.8	41
236	Integration of chemoselective ligation with enzymespecific catalysis: Saccharic colorimetric analysis using aminoxy/hydrazine-functionalized gold nanoparticles. <i>Nano Research</i> , <b>2015</b> , 8, 3853-3863	10	10



235	Peptide-based method for detection of metastatic transformation in primary tumors of breast cancer. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9251-6	7.8	21
234	Electrochemical detection of protein based on hybridization chain reaction-assisted formation of copper nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 327-31	11.8	55
233	A netlike rolling circle nucleic acid amplification technique. <i>Analyst, The</i> , <b>2015</b> , 140, 74-8	5	25
232	An electrochemical method to assay human 8-oxoguanine DNA glycosylase 1. <i>Electrochemistry Communications</i> , <b>2015</b> , 50, 51-54	5.1	8
231	An ATP-responsive smart gate fabricated with a graphene oxide-aptamer-nanochannel architecture. <i>Chemical Communications</i> , <b>2015</b> , 51, 640-3	5.8	26
230	A colorimetric method for $\alpha$ -glucosidase activity assay and its inhibitor screening based on aggregation of gold nanoparticles induced by specific recognition between phenylenediboronic acid and 4-aminophenyl- $\beta$ -glucopyranoside. <i>Nano Research</i> , <b>2015</b> , 8, 920-930	10	37
229	Simple electrochemical sensing of attomolar proteins using fabricated complexes with enhanced surface binding avidity. <i>Chemical Science</i> , <b>2015</b> , 6, 4311-4317	9.4	54
228	Ultrasensitive and feasibly achieved protein detection based on the integration of three signal amplification reactions via sharing a DNA sequence. <i>Chemical Communications</i> , <b>2015</b> , 51, 11004-7	5.8	8
227	Sensitive detection of a serum biomarker based on peptide nucleic acid-coupled dual cycling reactions. <i>Analytica Chimica Acta</i> , <b>2015</b> , 882, 27-31	6.6	2
226	A new method to evaluate trinucleotide repeats length polymorphism. <i>Talanta</i> , <b>2015</b> , 143, 414-418	6.2	1
225	A green method of staining DNA in polyacrylamide gel electrophoresis based on fluorescent copper nanoclusters synthesized in situ. <i>Nano Research</i> , <b>2015</b> , 8, 2714-2720	10	37
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