

Zhen-Yu Lin

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.

335
papers

9,121
citations

53
h-index

73
g-index

354
ext. papers

10,788
ext. citations

6.5
avg, IF

6.46
L-index

#	Paper	IF	Citations
335	Metal-organic framework (MOF): a novel sensing platform for biomolecules. <i>Chemical Communications</i> , 2013 , 49, 1276-8	5.8	292
334	Flexible and Adhesive Surface Enhance Raman Scattering Active Tape for Rapid Detection of Pesticide Residues in Fruits and Vegetables. <i>Analytical Chemistry</i> , 2016 , 88, 2149-55	7.8	277
333	Microfluidic Distance Readout Sweet Hydrogel Integrated Paper-Based Analytical Device (DiSH-PAD) for Visual Quantitative Point-of-Care Testing. <i>Analytical Chemistry</i> , 2016 , 88, 2345-52	7.8	146
332	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. <i>Analytical Chemistry</i> , 2017 , 89, 1617-1623	7.8	145
331	Surface-Enhanced Electrochemiluminescence of Ru@SiO ₂ for Ultrasensitive Detection of Carcinoembryonic Antigen. <i>Analytical Chemistry</i> , 2015 , 87, 5966-72	7.8	126
330	Target-responsive DNA hydrogel mediated "stop-flow" microfluidic paper-based analytic device for rapid, portable and visual detection of multiple targets. <i>Analytical Chemistry</i> , 2015 , 87, 4275-82	7.8	115
329	Gold Nanorods as Colorful Chromogenic Substrates for Semiquantitative Detection of Nucleic Acids, Proteins, and Small Molecules with the Naked Eye. <i>Analytical Chemistry</i> , 2016 , 88, 3227-34	7.8	101
328	Highly Selective and Sensitive Electrochemiluminescence Biosensor for p53 DNA Sequence Based on Nicking Endonuclease Assisted Target Recycling and Hyperbranched Rolling Circle Amplification. <i>Analytical Chemistry</i> , 2016 , 88, 5097-103	7.8	101
327	Graphene Oxide Directed One-Step Synthesis of Flowerlike Graphene@HKUST-1 for Enzyme-Free Detection of Hydrogen Peroxide in Biological Samples. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32477-32487	9.5	100
326	A highly sensitive and selective "signal-on" electrochemiluminescent biosensor for mercury. <i>Chemical Communications</i> , 2010 , 46, 3149-51	5.8	98
325	Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. <i>Analytical Chemistry</i> , 2018 , 90, 6222-6228	7.8	91
324	Metal-organic frameworks-based biosensor for sequence-specific recognition of double-stranded DNA. <i>Analyst, The</i> , 2013 , 138, 3490-3	5	90
323	Electrochemiluminescence biosensor for ultrasensitive determination of ochratoxin A in corn samples based on aptamer and hyperbranched rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 268-74	11.8	88
322	High peroxidase-like activity of iron and nitrogen co-doped carbon dots and its application in immunosorbent assay. <i>Talanta</i> , 2017 , 164, 1-6	6.2	88
321	Cationic Carbon Dots for Modification-Free Detection of Hyaluronidase via an Electrostatic-Controlled Ratiometric Fluorescence Assay. <i>Analytical Chemistry</i> , 2017 , 89, 8384-8390	7.8	85
320	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 122-128	11.8	85
319	Ultrasensitive homogeneous electrochemical biosensor for DNA species related to oral cancer based on nicking endonuclease assisted target recycling amplification. <i>Analytical Chemistry</i> , 2015 , 87, 9204-8	7.8	84

318	A sensitive and specific electrochemiluminescent sensor for lead based on DNAzyme. <i>Chemical Communications</i> , 2009 , 6050-2	5.8	84
317	Noble Metal Nanoparticle-Based Multicolor Immunoassays: An Approach toward Visual Quantification of the Analytes with the Naked Eye. <i>ACS Sensors</i> , 2019 , 4, 782-791	9.2	82
316	Integration of target responsive hydrogel with cascaded enzymatic reactions and microfluidic paper-based analytic devices (μ PADs) for point-of-care testing (POCT). <i>Biosensors and Bioelectronics</i> , 2016 , 77, 537-42	11.8	80
315	An ECL biosensor for glucose based on carbon-nanotube/Nafion film modified glass carbon electrode. <i>Electrochimica Acta</i> , 2008 , 53, 2396-2401	6.7	80
314	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 475-480	11.8	76
313	Label-free aptamer-based electrochemical impedance biosensor for 17 β -estradiol. <i>Analyst, The</i> , 2012 , 137, 819-22	5	75
312	Novel composites of multifunctional FeO@Au nanofibers for highly efficient glycoprotein imprinting. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1044-1051	7.3	70
311	Fluorescence biosensor for the HN antibody based on a metal-organic framework platform. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1812-1817	7.3	70
310	Facile synthesis of FeO/g-CN/HKUST-1 composites as a novel biosensor platform for ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 718-723	11.8	69
309	CEA fluorescence biosensor based on the FRET between polymer dots and Au nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 9918-20	5.8	69
308	An electrochemiluminescence biosensor for Kras mutations based on locked nucleic acid functionalized DNA walkers and hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2017 , 53, 2910-2913	5.8	68
307	A sensitive fluorescent sensor for quantification of alpha-fetoprotein based on immunosorbent assay and click chemistry. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 46-50	11.8	66
306	Determination of microcystin-LR in water by a label-free aptamer based electrochemical impedance biosensor. <i>Talanta</i> , 2013 , 103, 371-4	6.2	66
305	Label-free detection of telomerase activity in HeLa cells using electrochemical impedance spectroscopy. <i>Chemical Communications</i> , 2011 , 47, 3129-31	5.8	64
304	Ultrasensitive electrochemical biosensor for detection of DNA from Bacillus subtilis by coupling target-induced strand displacement and nicking endonuclease signal amplification. <i>Analytical Chemistry</i> , 2014 , 86, 8785-90	7.8	63
303	Analysis of glyphosate and aminomethylphosphonic acid by capillary electrophoresis with electrochemiluminescence detection. <i>Journal of Chromatography A</i> , 2008 , 1177, 195-8	4.5	63
302	Detection of aflatoxin B in food samples based on target-responsive aptamer-cross-linked hydrogel using a handheld pH meter as readout. <i>Talanta</i> , 2018 , 176, 34-39	6.2	63
301	A sensitive aptasensor for adenosine based on the quenching of Ru(bpy)(3)(2+)-doped silica nanoparticle ECL by ferrocene. <i>Chemical Communications</i> , 2010 , 46, 7751-3	5.8	62

300	DNA methylation detection and inhibitor screening based on the discrimination of the aggregation of long and short DNA on a negatively charged indium tin oxide microelectrode. <i>Analytical Chemistry</i> , 2014 , 86, 3563-7	7.8	61
299	Pb(2+)-introduced activation of horseradish peroxidase (HRP)-mimicking DNAzyme. <i>Chemical Communications</i> , 2011 , 47, 7437-9	5.8	60
298	An electrochemiluminescent biosensor for glucose based on the electrochemiluminescence of luminol on the nafion/glucose oxidase/poly(nickel(II)tetrakisulfophthalocyanine)/multi-walled carbon nanotubes modified electrode. <i>Talanta</i> , 2009 , 78, 76-80	6.2	59
297	Application of Au based nanomaterials in analytical science. <i>Nano Today</i> , 2017 , 12, 64-97	17.9	58
296	Electrochemical gene-function analysis for single cells with addressable microelectrode/microwell arrays. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2044-6	16.4	58
295	Mechanism for inhibition of Ru(bpy) ₃ ²⁺ /DBAE electrochemiluminescence system by dopamine. <i>Electrochemistry Communications</i> , 2009 , 11, 1579-1582	5.1	58
294	TiO ₂ /Nafion film based electrochemiluminescence for detection of dissolved oxygen. <i>Electrochemistry Communications</i> , 2008 , 10, 1629-1632	5.1	58
293	Ultrasensitive and selective electrochemical biosensor for detection of mercury (II) ions by nicking endonuclease-assisted target recycling and hybridization chain reaction signal amplification. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 19-23	11.8	57
292	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , 2015 , 87, 11826-31	7.8	56
291	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 8-14	11.8	55
290	Sensitive fluorescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Chemical Communications</i> , 2012 , 48, 6184-6	5.8	55
289	Homogeneous Electrochemical Biosensor for Melamine Based on DNA Triplex Structure and Exonuclease III-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , 2016 , 88, 10176-10182	7.8	55
288	Multicolor biosensor for fish freshness assessment with the naked eye. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 201-208	8.5	54
287	A label-free ultrasensitive electrochemical aptameric recognition system for protein assay based on hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2013 , 49, 11418-20	5.8	54
286	An ultrasensitive electrochemical impedance sensor for a special BRCA1 breast cancer gene sequence based on lambda exonuclease assisted target recycling amplification. <i>Chemical Communications</i> , 2012 ,	5.8	54
285	An addressable microelectrode array for electrochemical detection. <i>Analytical Chemistry</i> , 2008 , 80, 6830-38	7.8	54
284	Multicolor Colorimetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. <i>Scientific Reports</i> , 2016 , 6, 37879	4.9	53
283	Label-free ochratoxin A electrochemical aptasensor based on target-induced noncovalent assembly of peroxidase-like graphitic carbon nitride nanosheet. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 263-269	8.5	53

282	Coordination mode engineering in stacked-nanosheet metal-organic frameworks to enhance catalytic reactivity and structural robustness. <i>Nature Communications</i> , 2019 , 10, 2779	17.4	52
281	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. <i>ACS Sensors</i> , 2019 , 4, 1252-1260	9.2	52
280	A sensing platform for hypoxanthine detection based on amino-functionalized metal organic framework nanosheet with peroxidase mimic and fluorescence properties. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 312-319	8.5	52
279	Signal-on electrochemiluminescence biosensor for thrombin based on target-induced conjunction of split aptamer fragments. <i>Chemical Communications</i> , 2010 , 46, 5563-5	5.8	52
278	Highly sensitive protein molecularly imprinted electro-chemical sensor based on gold microdendrites electrode and prussian blue mediated amplification. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 612-7	11.8	51
277	Determination of paralytic shellfish poisoning toxins by HILIC-MS/MS coupled with dispersive solid phase extraction. <i>Food Chemistry</i> , 2013 , 137, 115-21	8.5	51
276	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 166-171	11.8	50
275	Electrochemiluminescence Biosensor for Glucose Based on Graphene/Nafion/GOD Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2010 , 22, 2347-2352	3	50
274	Ratiometric Immunosensor for GP73 Detection Based on the Ratios of Electrochemiluminescence and Electrochemical Signal Using DNA Tetrahedral Nanostructure as the Carrier of Stable Reference Signal. <i>Analytical Chemistry</i> , 2019 , 91, 3717-3724	7.8	49
273	Surface enhanced electrochemiluminescence of Ru(bpy) ₃ (2+). <i>Scientific Reports</i> , 2015 , 5, 7954	4.9	49
272	Miniaturized electrochemical sensors and their point-of-care applications. <i>Chinese Chemical Letters</i> , 2020 , 31, 589-600	8.1	48
271	Determination of cocaine on banknotes through an aptamer-based electrochemiluminescence biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 289-94	4.4	46
270	Fluorometric method for inorganic pyrophosphatase activity detection and inhibitor screening based on click chemistry. <i>Analytical Chemistry</i> , 2015 , 87, 816-20	7.8	45
269	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. <i>Analytical Methods</i> , 2015 , 7, 842-845	3.2	45
268	Targets regulated formation of boron nitride quantum dots [Gold nanoparticles nanocomposites for ultrasensitive detection of acetylcholinesterase activity and its inhibitors. <i>Sensors and Actuators B: Chemical</i> , 2019 , 279, 61-68	8.5	45
267	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 412-6	11.8	44
266	An ultrasensitive colorimeter assay strategy for p53 mutation assisted by nicking endonuclease signal amplification. <i>Chemical Communications</i> , 2011 , 47, 9069-71	5.8	44
265	Electrochemical impedance spectroscopy sensor for ascorbic acid based on copper(I) catalyzed click chemistry. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4326-30	11.8	43

264	Electrochemiluminescent biosensor for hypoxanthine based on the electrically heated carbon paste electrode modified with xanthine oxidase. <i>Analytical Chemistry</i> , 2008 , 80, 2826-31	7.8	43
263	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe (m-CDs@[Ru(bpy)]) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. <i>ACS Sensors</i> , 2017 , 2, 1684-1691	9.2	42
262	A fluorescent probe for detection of histidine in cellular homogenate and ovalbumin based on the strategy of click chemistry. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 332-6	11.8	42
261	Highly sensitive fluorescent immunosensor for detection of influenza virus based on Ag autocatalysis. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 358-64	11.8	42
260	Signal-on electrochemiluminescent biosensor for ATP based on the recombination of aptamer chip. <i>Chemical Communications</i> , 2011 , 47, 8064-6	5.8	41
259	New capillary electrophoresis-electrochemiluminescence detection system equipped with an electrically heated Ru(bpy) ₃ (2+)/multi-wall-carbon-nanotube paste electrode. <i>Journal of Chromatography A</i> , 2007 , 1172, 84-91	4.5	41
258	Development of ultra-high sensitive and selective electrochemiluminescent sensor for copper(II) ions: a novel strategy for modification of gold electrode using click chemistry. <i>Analyst, The</i> , 2011 , 136, 1580-5	5	40
257	G-quadruplex DNAzyme as the turn on switch for fluorimetric detection of genetically modified organisms. <i>Chemical Communications</i> , 2011 , 47, 1437-9	5.8	40
256	Determination of carbamates in nature water based on the enhancement of electrochemiluminescent of Ru(bpy) ₃ (2+) at the multi-wall carbon nanotube-modified electrode. <i>Talanta</i> , 2006 , 70, 111-5	6.2	40
255	Homogeneous electrochemical aptasensor for mucin 1 detection based on exonuclease I-assisted target recycling amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 474-479	11.8	40
254	Highly Sensitive and Selective Photoelectrochemical Aptasensor for Cancer Biomarker CA125 Based on AuNPs/GaN Schottky Junction. <i>Analytical Chemistry</i> , 2020 , 92, 10114-10120	7.8	38
253	An aptamer-based fluorescence biosensor for multiplex detection using unmodified gold nanoparticles. <i>Chemical Communications</i> , 2012 ,	5.8	38
252	A new electrochemiluminescent detection system equipped with an electrically controlled heating cylindrical microelectrode. <i>Analytica Chimica Acta</i> , 2006 , 564, 226-230	6.6	38
251	Electrochemiluminescence biosensor for miRNA-21 based on toehold-mediated strand displacement amplification with Ru(phen) loaded DNA nanoclews as signal tags. <i>Biosensors and Bioelectronics</i> , 2020 , 147, 111789	11.8	38
250	Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg ²⁺ . <i>Electrochimica Acta</i> , 2014 , 150, 123-128	6.7	37
249	Sensitive and portable detection of telomerase activity in HeLa cells using the personal glucose meter. <i>Chemical Communications</i> , 2014 , 50, 7897-9	5.8	37
248	Fluorescence sensor for Cu(II) in the serum sample based on click chemistry. <i>Analyst, The</i> , 2014 , 139, 656-9	5	37
247	Highly sensitive electrochemical immunoassay for H1N1 influenza virus based on copper-mediated amplification. <i>Chemical Communications</i> , 2012 , 48, 6562-4	5.8	37

246	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. <i>Analytical Chemistry</i> , 2018 , 90, 1087-1091	7.8	37
245	Stimulus-response click chemistry based aptamer-functionalized mesoporous silica nanoparticles for fluorescence detection of thrombin. <i>Talanta</i> , 2018 , 178, 563-568	6.2	36
244	Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr Quantum Dots. <i>Analytical Chemistry</i> , 2019 , 91, 15915-15921	7.8	35
243	Microcapsule-embedded hydrogel patches for ultrasound responsive and enhanced transdermal delivery of diclofenac sodium. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2330-2337	7.3	34
242	Enhanced electrochemiluminescent of lucigenin at an electrically heated cylindrical microelectrode. <i>Electrochemistry Communications</i> , 2007 , 9, 269-274	5.1	34
241	Thermal fragmentation enhanced identification and quantification of polystyrene micro/nanoplastics in complex media. <i>Talanta</i> , 2020 , 208, 120478	6.2	34
240	Structural characterization, hypoglycemic effects and mechanism of a novel polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels et Gilg. <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 775-783	7.9	33
239	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2020 , 64, 1-33	7.9	33
238	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2018 , 1002, 90-96	6.6	32
237	An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2013 , 49, 10115-7	5.8	32
236	Polysaccharides from <i>Tetrastigma hemsleyanum</i> Diels et Gilg: Extraction optimization, structural characterizations, antioxidant and antihyperlipidemic activities in hyperlipidemic mice. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 1033-1041	7.9	32
235	Homogeneous and label-free electrochemiluminescence aptasensor based on the difference of electrostatic interaction and exonuclease-assisted target recycling amplification. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 182-187	11.8	31
234	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 226-31	11.8	31
233	Determination of copper(II) in the dairy product by an electrochemical sensor based on click chemistry. <i>Analytica Chimica Acta</i> , 2011 , 707, 57-61	6.6	31
232	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 32755	4.9	30
231	Cu-Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. <i>Analytical Chemistry</i> , 2020 , 92, 1236-1244	7.8	30
230	Adsorption removal of crystal violet from aqueous solution using a metal-organic frameworks material, copper coordination polymer with dithiooxamide. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2857-2864	2.9	29
229	Electrochemical biosensor for epidermal growth factor receptor detection with peptide ligand. <i>Electrochimica Acta</i> , 2013 , 109, 233-237	6.7	29

228	A novel fluorescent sensor for mutational p53 DNA sequence detection based on click chemistry. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 403-8	11.8	29
227	Signal-on electrochemiluminescence aptasensor for bisphenol A based on hybridization chain reaction and electrically heated electrode. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 36-41	11.8	29
226	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2017 , 963, 112-118	6.6	28
225	Interesting optical variations of the etching of Au Nanobipyramid@Ag Nanorods and its application as a colorful chromogenic substrate for immunoassays. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 502-509	8.5	28
224	A new electrochemiluminescent detection system equipped with an electrically heated carbon paste electrode for CE. <i>Electrophoresis</i> , 2007 , 28, 3250-9	3.6	28
223	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 153-158	11.8	28
222	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , 2017 , 174, 365-371	6.2	27
221	Nitrogen-doped hierarchical carbon spheres derived from MnO ₂ -templated spherical polypyrrole as excellent high rate anode of Li-ion batteries. <i>Electrochimica Acta</i> , 2017 , 245, 279-286	6.7	27
220	Synthesis and characterization of vinyl-functionalized magnetic nanofibers for protein imprinting. <i>Chemical Communications</i> , 2015 , 51, 202-5	5.8	27
219	Highly sensitive visual detection of Avian Influenza A (H7N9) virus based on the enzyme-induced metallization. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 874-80	11.8	27
218	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. <i>Analyst, The</i> , 2016 , 141, 2970-6	5	27
217	Magnetic graphene oxide-based electrochemiluminescent aptasensor for thrombin. <i>Electrochimica Acta</i> , 2013 , 89, 13-17	6.7	27
216	Highly sensitive electrochemiluminescent biosensor for adenosine based on structure-switching of aptamer. <i>Analytica Chimica Acta</i> , 2011 , 684, 121-5	6.6	27
215	An electrically heated ionic-liquid/multi-wall carbon nanotube composite electrode and its application to electrochemiluminescent detection of ascorbic acid. <i>Electrochemistry Communications</i> , 2009 , 11, 1142-1145	5.1	27
214	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 496-501	11.8	26
213	Ultrasensitive colorimetric carcinoembryonic antigen biosensor based on hyperbranched rolling circle amplification. <i>Analyst, The</i> , 2014 , 139, 4330-4	5	26
212	Enzyme-free multicolor biosensor based on Cu ²⁺ -modified carbon nitride nanosheets and gold nanobipyramids for sensitive detection of neuron specific enolase. <i>Sensors and Actuators B: Chemical</i> , 2019 , 283, 138-145	8.5	26
211	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. <i>Analytical Chemistry</i> , 2019 , 91, 11821-11826	7.8	25

210	Highly selective colorimetric bacteria sensing based on protein-capped nanoparticles. <i>Analyst, The</i> , 2015 , 140, 1149-54	5	25
209	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 835-860	7.8	25
208	Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO ₂ nanosheets and catalytic hairpin assembly amplification. <i>Analytical Methods</i> , 2016 , 8, 8492-8497	3.2	25
207	Molecularly imprinted fluorescent and colorimetric sensor based on TiO ₂ @Cu(OH) nanoparticle autocatalysis for protein recognition. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1256-1262	7.3	25
206	Signal on fluorescence biosensor for MMP-2 based on FRET between semiconducting polymer dots and a metal organic framework. <i>RSC Advances</i> , 2014 , 4, 58852-58857	3.7	25
205	On-spot surface enhanced Raman scattering detection of Aflatoxin B in peanut extracts using gold nanobipyramids evenly trapped into the AAO nanoholes. <i>Food Chemistry</i> , 2020 , 307, 125528	8.5	25
204	Highly sensitive antibody-aptamer sensor for vascular endothelial growth factor based on hybridization chain reaction and pH meter/indicator. <i>Talanta</i> , 2017 , 175, 177-182	6.2	24
203	An electrochemiluminescent sensor for glucose employing a modified carbon nanotube paste electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 399-407	4.4	24
202	Development of an Immunosensor Based on the Exothermic Reaction between HO and CaO Using a Common Thermometer as Readout. <i>ACS Sensors</i> , 2019 , 4, 2375-2380	9.2	23
201	Analysis of 16 phthalic acid esters in food simulants from plastic food contact materials by LC-ESI-MS/MS. <i>Journal of Separation Science</i> , 2013 , 36, 477-84	3.4	23
200	Colorimetric and fluorometric dual-readout sensor for lysozyme. <i>Analyst, The</i> , 2013 , 138, 6517-22	5	23
199	Design of a DNA electronic logic gate (INHIBIT gate) with an assaying application for Ag ⁺ and cysteine. <i>Chemical Communications</i> , 2011 , 47, 9080-2	5.8	23
198	Mechanism study on inorganic oxidants induced inhibition of Ru(bpy) ₃ ²⁺ electrochemiluminescence and its application for sensitive determination of some inorganic oxidants. <i>Talanta</i> , 2011 , 85, 339-44	6.2	23
197	Hyperbranched rolling circle amplification (HRCA)-based fluorescence biosensor for ultrasensitive and specific detection of single-nucleotide polymorphism genotyping associated with the therapy of chronic hepatitis B virus infection. <i>Talanta</i> , 2019 , 191, 277-282	6.2	23
196	Label-free aptamer-based partial filling technique for enantioseparation and determination of DL-tryptophan with micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2013 , 34, 254-9	3.6	22
195	Detection of N ⁶ -methyladenosine in urine samples by electrochemiluminescence using a heated ITO electrode. <i>Electrochimica Acta</i> , 2010 , 56, 644-648	6.7	22
194	Electrochemiluminescent biosensor based on multi-wall carbon nanotube/nano-Au modified electrode. <i>Electrochemistry Communications</i> , 2008 , 10, 1708-1711	5.1	22
193	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. <i>Langmuir</i> , 2016 , 32, 8557-64	4	22

192	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. <i>ACS Sensors</i> , 2019 , 4, 2465-2470	9.2	21
191	Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. <i>Analytical Methods</i> , 2013 , 5, 5005	3.2	21
190	A Shake&Read distance-based microfluidic chip as a portable quantitative readout device for highly sensitive point-of-care testing. <i>Chemical Communications</i> , 2016 , 52, 13377-13380	5.8	20
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188	A portable chemical sensor for histidine based on the strategy of click chemistry. <i>Biosensors and Bioelectronics</i> , 2014 , 51, 386-90	11.8	20
187	Logic gates for multiplexed analysis of Hg ²⁺ and Ag ⁺ . <i>Analyst, The</i> , 2012 , 137, 2687-91	5	20
186	Enantioselective analysis of melagatran via an LSPR biosensor integrated with a microfluidic chip. <i>Lab on A Chip</i> , 2012 , 12, 3901-6	7.2	20
185	A novel fluorescent biosensor for detection of target DNA fragment from the transgene cauliflower mosaic virus 35S promoter. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 168-71	11.8	20
184	Enhancement of electrochemiluminescence of lucigenin by ascorbic acid at single-wall carbon nanotube film-modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2007 , 52, 4457-4462	6.7	20
183	Facile construction of a highly sensitive DNA biosensor by in-situ assembly of electro-active tags on hairpin-structured probe fragment. <i>Scientific Reports</i> , 2016 , 6, 22441	4.9	20
182	Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. <i>Analytical Methods</i> , 2015 , 7, 6109-6113	3.2	19
181	Label-free homogeneous electrochemical biosensor for HPV DNA based on entropy-driven target recycling and hyperbranched rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128407	8.5	19
180	Cathodic electrochemiluminescent behavior of luminol at nafion-nano-TiO ₂ modified glassy carbon electrode. <i>Luminescence</i> , 2011 , 26, 531-5	2.5	19
179	Fabrication of an electrically heated indium-tin-oxide electrode for electrochemiluminescent detection system. <i>Analyst, The</i> , 2009 , 134, 731-7	5	19
178	The electrochemiluminescent behavior of luminol on an electrically heating controlled microelectrode at cathodic potential. <i>Electrochimica Acta</i> , 2007 , 53, 1708-1712	6.7	19
177	Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 7145-7151	4.4	18
176	Antibacterial mechanism of Tetrastrigma hemsleyanum Diels et Gilg's polysaccharides by metabolomics based on HPLC/MS. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 206-215	7.9	18
175	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30085-30094	9.5	18

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173	An electrochemiluminescent biosensor for uric acid based on the electrochemiluminescence of bis-[3,4,6-trichloro-2-(pentyloxycarbonyl)-phenyl] oxalate on an ITO electrode modified by an electropolymerized nickel phthalocyanine film. <i>Analyst, The</i> , 2008 , 133, 797-801	5	18
172	Electrochemiluminescent behavior of luminol on the glassy carbon electrode modified with CoTPP/MWNT composite film. <i>Electrochimica Acta</i> , 2008 , 53, 6464-6468	6.7	18
171	Dialysis assisted ligand exchange on gold nanorods: Amplification of the performance of a lateral flow immunoassay for E. coli O157:H7. <i>Mikrochimica Acta</i> , 2018 , 185, 350	5.8	18
170	A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. <i>Scientific Reports</i> , 2017 , 7, 45343	4.9	17
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168	A sensitive fluorescence biosensor for alkaline phosphatase activity based on the Cu(II)-dependent DNase. <i>Analytica Chimica Acta</i> , 2016 , 948, 98-103	6.6	17
167	A highly sensitive chemiluminescent metalloimmunoassay for H1N1 influenza virus detection based on a silver nanoparticle label. <i>Chemical Communications</i> , 2013 , 49, 10563-5	5.8	17
166	G-quadruplex DNA biosensor for sensitive visible detection of genetically modified food. <i>Talanta</i> , 2014 , 128, 445-9	6.2	17
165	A Highly Sensitive Electrochemiluminescence Biosensor for Pyrophosphatase Detection Based on Click Chemistry-Triggered Hybridization Chain Reaction in Homogeneous Solution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34716-34722	9.5	16
164	Electrochemiluminescence biosensor for hyaluronidase activity detection and inhibitor assay based on the electrostatic interaction between hyaluronic acid and Ru(bpy) ₃ ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2018 , 275, 409-414	8.5	16
163	Amperometric detection of DNA hybridization using a multi-point, addressable electrochemical device. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 923-928	8.5	16
162	Determination of soluble CD44 in serum by using a label-free aptamer based electrochemical impedance biosensor. <i>Analyst, The</i> , 2020 , 145, 460-465	5	16
161	Highly Sensitive and Selective Photoelectrochemical Aptasensors for Cancer Biomarkers Based on MoS ₂ /Au/GaN Photoelectrodes. <i>Analytical Chemistry</i> , 2021 , 93, 7341-7347	7.8	16
160	From signal amplification to restrained background: Magnetic graphene oxide assisted homogeneous electrochemiluminescence aptasensor for highly sensitive detection of okadaic acid. <i>Sensors and Actuators B: Chemical</i> , 2021 , 327, 128872	8.5	16
159	Real-Time Visualization of the Single-Nanoparticle Electrocatalytic Hydrogen Generation Process and Activity under Dark Field Microscopy. <i>Analytical Chemistry</i> , 2020 , 92, 9016-9023	7.8	15
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157	Hypoglycemic Effects of a Polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels & Gilg in Alloxan-Induced Diabetic Mice. <i>Chemistry and Biodiversity</i> , 2018 , 15, e1800070	2.5	15

156	Highly sensitive and selective aflatoxin B biosensor based on Exonuclease I-catalyzed target recycling amplification and targeted response aptamer-crosslinked hydrogel using electronic balances as a readout. <i>Talanta</i> , 2020 , 214, 120862	6.2	14
155	Dual-output toehold-mediated strand displacement amplification for sensitive homogeneous electrochemical detection of specie-specific DNA sequences for species identification. <i>Biosensors and Bioelectronics</i> , 2020 , 161, 112256	11.8	14
154	Target-triggered aggregation of gold nanoparticles for photothermal quantitative detection of adenosine using a thermometer as readout. <i>Analytica Chimica Acta</i> , 2020 , 1110, 151-157	6.6	14
153	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. <i>Analytical Chemistry</i> , 2019 , 91, 14751-14756	7.8	14
152	Visual detection of copper(II) based on the aggregation of gold nano-particles via click chemistry. <i>Analytical Methods</i> , 2012 , 4, 612	3.2	14
151	Mechanism study on inhibited Ru(bpy) ₃ (2+) electrochemiluminescence between coreactants. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12826-32	3.6	14
150	Electrochemiluminescent behavior of N ⁶ -isopentenyl-adenine/Ru(bpy) ₃ 2+ system on an electrically heated ionic liquid/carbon paste electrode. <i>Electrochemistry Communications</i> , 2009 , 11, 2056-2059	5.1	14
149	Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. <i>Journal of Luminescence</i> , 2019 , 207, 369-373	3.8	14
148	A calcium alginate sponge with embedded gold nanoparticles as a flexible SERS substrate for direct analysis of pollutant dyes. <i>Mikrochimica Acta</i> , 2019 , 186, 64	5.8	13
147	A homogeneous electrochemical sensor for Hg determination in environmental water based on the T-Hg-T structure and exonuclease III-assisted recycling amplification. <i>Analyst, The</i> , 2018 , 143, 2122-2127 ⁵		13
146	Surface Enhanced Electrochemiluminescence Immunoassay for Highly Sensitive Detection of Disease Biomarkers in Whole Blood. <i>Electroanalysis</i> , 2016 , 28, 1783-1786	3	13
145	Styryl quinolinium/G-quadruplex complex for dual-channel fluorescent sensing of Ag ⁺ and cysteine. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 295-299	8.5	13
144	Determination of magnesium ion in serum samples by a DNAzyme-based electrochemical biosensor. <i>Analytical Methods</i> , 2012 , 4, 947	3.2	13
143	An ultra-sensitive electrochemical sensor for ascorbic acid based on click chemistry. <i>Analyst, The</i> , 2011 , 136, 3962-6	5	13
142	Electrochemical topography of a cell monolayer with an addressable microelectrode array. <i>Chemical Communications</i> , 2010 , 46, 559-61	5.8	13
141	Electrochemical Gene-Function Analysis for Single Cells with Addressable Microelectrode/Microwell Arrays. <i>Angewandte Chemie</i> , 2009 , 121, 2078-2080	3.6	13
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138	A novel fluorescent reagent for recognition of triplex DNA with high specificity and selectivity. <i>Analyst, The</i> , 2015 , 140, 7742-7	5	12
137	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 199-205	11.8	12
136	A highly sensitive method for detection of protein based on inhibition of Ru(bpy) ₃ ²⁺ /TPrA electrochemiluminescent system. <i>Electrochimica Acta</i> , 2011 , 56, 6962-6965	6.7	12
135	Sensitive biosensor for p53 DNA sequence based on the photothermal effect of gold nanoparticles and the signal amplification of locked nucleic acid functionalized DNA walkers using a thermometer as readout. <i>Talanta</i> , 2020 , 220, 121398	6.2	12
134	An ultrasensitive electrochemiluminescence biosensor for nuclear factor kappa B p50 based on the proximity hybridization-induced hybridization chain reaction. <i>Chemical Communications</i> , 2019 , 55, 12980-12983 ¹²	5.8	12
133	DNA template-mediated click chemistry-based portable signal-on sensor for ochratoxin A detection. <i>Food Chemistry</i> , 2019 , 297, 124929	8.5	11
132	A highly sensitive signal-on biosensor for microRNA 142-3p based on the quenching of Ru(bpy)-TPA electrochemiluminescence by carbon dots and duplex specific nuclease-assisted target recycling amplification. <i>Chemical Communications</i> , 2020 , 56, 6692-6695	5.8	11
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129	Preparative separation of enantiomers based on functional nucleic acids modified gold nanoparticles. <i>Chirality</i> , 2013 , 25, 751-6	2.1	11
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127	A fluorescence signal amplification and specific energy transfer strategy for sensitive detection of β -galactosidase based on the effects of AIE and host-guest recognition. <i>Biosensors and Bioelectronics</i> , 2020 , 169, 112655	11.8	11
126	A novel method for geographical origin identification of <i>Tetrastigma hemsleyanum</i> (Sanyeqing) by near-infrared spectroscopy. <i>Analytical Methods</i> , 2018 , 10, 2980-2988	3.2	11
125	The detection of melamine base on a turn-on fluorescence of DNA-Ag nanoclusters. <i>Journal of Luminescence</i> , 2017 , 186, 103-108	3.8	10
124	Colorimetric probe for copper(II) ion detection based on cost-effective aminoquinoline derivative. <i>Analytical Methods</i> , 2017 , 9, 1727-1731	3.2	10
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121	Electrochemiluminescence for the identification of electrochemically active bacteria. <i>Biosensors and Bioelectronics</i> , 2019 , 137, 222-228	11.8	10

120	DNAzyme-based Y-shaped label-free electrochemiluminescent biosensor for lead using electrically heated indium-tin-oxide electrode for in situ temperature control. <i>Sensors and Actuators B: Chemical</i> , 2019 , 289, 78-84	8.5	10
119	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. <i>Analytica Chimica Acta</i> , 2020 , 1110, 56-63	6.6	10
118	A Metal-Organic Framework Nanosheet-Assembled Frame Film with High Permeability and Stability. <i>Advanced Science</i> , 2020 , 7, 1903180	13.6	10
117	Highly sensitive electrochemical immunosensor for golgi protein 73 based on proximity ligation assay and enzyme-powered recycling amplification. <i>Analytica Chimica Acta</i> , 2018 , 1040, 150-157	6.6	10
116	A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. <i>ACS Sensors</i> , 2019 , 4, 1844-1850	9.2	10
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112	Electrochemiluminescence biosensor for thrombin detection based on metal organic framework with electrochemiluminescence indicator embedded in the framework. <i>Biosensors and Bioelectronics</i> , 2021 , 189, 113374	11.8	10
111	Rapid synthesis of a highly active and uniform 3-dimensional SERS substrate for on-spot sensing of dopamine. <i>Mikrochimica Acta</i> , 2019 , 186, 260	5.8	9
110	Novel electrochemical nanoswitch biosensor based on self-assembled pH-sensitive continuous circular DNA. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 274-279	11.8	9
109	Metal-enhanced fluorometric formaldehyde assay based on the use of in-situ grown silver nanoparticles on silica-encapsulated carbon dots. <i>Mikrochimica Acta</i> , 2020 , 187, 137	5.8	9
108	Determination of the migration of eight parabens from antibacterial plastic packaging by liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Analytical Methods</i> , 2014 , 6, 2096	3.2	9
107	A signal-on fluorescence biosensor for detection of adenosine triphosphate based on click chemistry. <i>Analytical Methods</i> , 2014 , 6, 3370-3374	3.2	9
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104	Fluorescence spectrometric study on the interaction of tamibarotene with bovine serum albumin. <i>Luminescence</i> , 2011 , 26, 336-41	2.5	9
103	A reusable and portable immunosensor using personal glucose meter as transducer. <i>Analytical Methods</i> , 2014 , 6, 5264-5268	3.2	8

102	Dual-channel cathodic electrochemiluminescence of luminol induced by injection of hot electrons on a niobate semiconductor modified electrode. <i>Analyst, The</i> , 2013 , 138, 234-9	5	8
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99	Highly Reproducible and Sensitive Electrochemiluminescence Biosensors for HPV Detection Based on Bovine Serum Albumin Carrier Platforms and Hyperbranched Rolling Circle Amplification. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 298-305	9.5	8
98	A surface-enhanced electrochemiluminescence sensor based on Au-SiO ₂ core-shell nanocomposites doped with Ru(bpy) ₃ for the ultrasensitive detection of prostate-specific antigen in human serum. <i>Analyst, The</i> , 2019 , 145, 132-138	5	8
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96	Convenient detection of HS based on the photothermal effect of Au@Ag nanocubes using a handheld thermometer as readout. <i>Analytica Chimica Acta</i> , 2021 , 1149, 338211	6.6	8
95	Ultra-high quantum yield ultraviolet fluorescence of graphitic carbon nitride nanosheets. <i>Chemical Communications</i> , 2019 , 55, 15065-15068	5.8	8
94	Electrochemiluminescence Biosensor for the Detection of the Folate Receptor in HeLa Cells Based on Hyperbranched Rolling Circle Amplification and Terminal Protection. <i>ChemElectroChem</i> , 2019 , 6, 827-833	4.3	8
93	Target-responsive ratiometric fluorescent aptasensor for OTA based on energy transfer between [Ru(bpy) ₃] and silica quantum dots. <i>Mikrochimica Acta</i> , 2020 , 187, 270	5.8	8
92	Rapid detection of dibutyl phthalate in liquor by a semi-quantitative multicolor immunosensor with naked eyes as readout. <i>Analytical Methods</i> , 2019 , 11, 524-529	3.2	7
91	An in situ assembly strategy for the construction of a sensitive and reusable electrochemical aptasensor. <i>Chemical Communications</i> , 2019 , 55, 905-908	5.8	7
90	Triazole-stabilized fluorescence sensor for highly selective detection of copper in tea and animal feed. <i>Food Chemistry</i> , 2020 , 317, 126434	8.5	7
89	A signal-on homogeneous electrochemical biosensor for sequence-specific microRNA based on duplex-specific nuclease-assisted target recycling amplification. <i>Analytical Methods</i> , 2016 , 8, 7034-7039	3.2	7
88	Enzyme-linked immunosorbent assay for aflatoxin B1 using a portable pH meter as the readout. <i>Analytical Methods</i> , 2018 , 10, 3804-3809	3.2	7
87	Determination of flumioxazin residue in food samples through a sensitive fluorescent sensor based on click chemistry. <i>Food Chemistry</i> , 2014 , 162, 242-6	8.5	7
86	Quantification of DNA through a fluorescence biosensor based on click chemistry. <i>Analyst, The</i> , 2014 , 139, 5669-73	5	7
85	A colorimetric sensor for pH utilizing a quinoline derivative. <i>Analytical Methods</i> , 2014 , 6, 5016	3.2	7

84	Fluorescence biosensor for inorganic pyrophosphatase activity. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 999-1005	4.4	7
83	Terminal protection G-quadruplex-based turn-on fluorescence biosensor for H5N1 antibody. <i>Analytical Methods</i> , 2012 , 4, 3425	3.2	7
82	An ultrasensitive biosensor for glucose based on solid-state electrochemiluminescence on GOx/CdS/GCE electrode. <i>Analytical Methods</i> , 2013 , 5, 1941	3.2	7
81	An electrochemiluminescent detector based on multi-wall-carbon-nanotube/Nafion/Ru(bpy) ₃ (2+) composite film modified heated-electrode. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2303-9	1.3	7
80	Mass spectrometry for multi-dimensional characterization of natural and synthetic materials at the nanoscale. <i>Chemical Society Reviews</i> , 2021 , 50, 5243-5280	58.5	7
79	Ultrasensitive impedimetric mercury(II) sensor based on thymine-Hg(II)-thymine interaction and subsequent disintegration of multiple sandwich-structured DNA chains. <i>Mikrochimica Acta</i> , 2018 , 185, 555	5.8	7
78	Quantitative gold nanorods based photothermal biosensor for glucose using a thermometer as readout. <i>Talanta</i> , 2021 , 230, 122364	6.2	7
77	A micro-pressure sensor-based analytic platform and its application in thrombin quantification. <i>Analytical Methods</i> , 2015 , 7, 7985-7988	3.2	6
76	A fluorescence signal amplification strategy for modification-free ratiometric determination of tyrosinase in situ based on the use of dual-templated copper nanoclusters. <i>Mikrochimica Acta</i> , 2020 , 187, 240	5.8	6
75	Jungle on the Electrode: A Target-Induced Enzyme-Free and Label-Free Biosensor. <i>Analytical Chemistry</i> , 2019 , 91, 13712-13719	7.8	6
74	Anodic electrochemiluminescent behavior of lucigenin on MWNT/GCE. <i>Electrochemistry Communications</i> , 2009 , 11, 254-257	5.1	6
73	Fluorescence biosensor for DNA methyltransferase activity and related inhibitor detection based on methylation-sensitive cleavage primer triggered hyperbranched rolling circle amplification. <i>Analytica Chimica Acta</i> , 2020 , 1122, 1-8	6.6	6
72	Zr-Labeled Multifunctional Liposomes Conjugate Chitosan for PET-Trackable Triple-Negative Breast Cancer Stem Cell Targeted Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 9061-9074	7.3	6
71	Rapid authentication of <i>Pseudostellaria heterophylla</i> (Taizishen) from different regions by Raman spectroscopy coupled with chemometric methods. <i>Journal of Luminescence</i> , 2018 , 202, 239-245	3.8	6
70	Photoelectrochemical Biosensor for MicroRNA-21 Based on High Photocurrent of TiO ₂ /Two-Dimensional Coordination Polymer CuCl(MBA) Photoelectrode. <i>Analytical Chemistry</i> , 2021 , 93, 11010-11018	7.8	6
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64	A new method of Fourier-transform smoothing with ratio spectra derivative spectrophotometry. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 370, 997-1002		5
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62	Biocompatible perovskite quantum dots with superior water resistance enable long-term monitoring of the HS level. <i>Nanoscale</i> , 2021 , 13, 14297-14303	7.7	5
61	Electrochemiluminescence Sensor for Cancer Cell Detection Based on H ₂ O ₂ -Triggered Stimulus Response System. <i>Journal of Analysis and Testing</i> , 2020 , 4, 128-135	3.2	4
60	Rapid authentication of <i>Pseudostellaria heterophylla</i> (Taizishen) from different regions by near-infrared spectroscopy combined with chemometric methods. <i>Journal of Food Science</i> , 2020 , 85, 2004-2009	3.4	4
59	A homogeneous photoelectrochemical hydrogen sulfide sensor based on the electronic transfer mediated by tetrasulfophthalocyanine. <i>Analyst, The</i> , 2020 , 145, 3543-3548	5	4
58	Fluorescence biosensor for folate receptors in cancer cells based on terminal protection and hyperbranched rolling circle amplification. <i>Analytical Methods</i> , 2016 , 8, 6231-6235	3.2	4
57	Yolk@Shell-Structured SnO ₂ @ and Poly-Tyrosine Composite Films as an Impedimetric Signal-Off Sensing Platform for Transgenic Soybean Screening. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18685-18692	3.8	4
56	Simultaneous determination of biotoxins DSP and AZAs in bivalve molluscs and fish by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 1479-88	2.2	4
55	Enhanced electrochemiluminescence of Ru(bpy) ₃ (2+) by flavone compounds. <i>Luminescence</i> , 2008 , 23, 365-9	2.5	4
54	Study on the electrochemiluminescent behavior of menadione sodium bisulfite in presence of luminol. <i>Talanta</i> , 2007 , 72, 1681-6	6.2	4
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52	A Bright Nitrogen-doped-Carbon-Dots based Fluorescent Biosensor for Selective Detection of Copper Ions. <i>Journal of Analysis and Testing</i> , 2021 , 5, 84-92	3.2	4
51	Highly sensitive homogeneous electrochemiluminescence biosensor for microRNA-21 based on cascaded signal amplification of target-induced hybridization chain reaction and magnetic assisted enrichment. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130226	8.5	4
50	Ultrasensitive Photoelectrochemical Biosensor for microRNA-155 Based on Energy Transfer between Au Nanocages and Red Emission Carbon Dot-Assembled Nanosheets Coupled with the Duplex-Specific Nuclease Enzyme-Assisted Target Recycling Strategy.. <i>Analytical Chemistry</i> , 2021 ,	7.8	4
49	Chemiluminescent sensor for hydrogen sulfide in rat brain microdialysis based on target-induced horseradish peroxidase deactivation. <i>Analytical Methods</i> , 2019 , 11, 3085-3089	3.2	3

48	Dark field microscope-based single nanoparticle identification coupled with statistical analysis for ultrasensitive biotoxin detection in complex sample matrix. <i>Mikrochimica Acta</i> , 2020 , 187, 413	5.8	3
47	Synthesis and Degradation of Poly(Lactic Acid-co-L-Tyrosine). <i>International Journal of Polymer Analysis and Characterization</i> , 2012 , 17, 333-344	1.7	3
46	Electrochemiluminescent Detection Method for Glyphosate in Soybean on Carbon Fiber-ionic Liquid Paste Electrode. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 581-586	4.9	3
45	A signal-on fluorescence sensor for hydrogen sulphide detection in environmental samples based on silver-mediated base pairs. <i>Analytical Methods</i> , 2020 , 12, 188-192	3.2	3
44	Surface-enhanced electrochemiluminescence combined with resonance energy transfer for sensitive carcinoembryonic antigen detection in exhaled breath condensates. <i>Analyst, The</i> , 2020 , 145, 6524-6531	5	3
43	A Novel Enzyme-Responded Controlled Release Electrochemical Biosensor for Hyaluronidase Activity Detection. <i>Journal of Analysis and Testing</i> , 2021 , 5, 69-75	3.2	3
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33	Design of an electrochemiluminescence detection system through the regulation of charge density in a microchannel. <i>Chemical Science</i> , 2021 , 12, 13151-13157	9.4	2
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23	Highly Sensitive Homogeneous Electrochemiluminescence Biosensor for Alkaline Phosphatase Detection Based on Click Chemistry-Triggered Branched Hybridization Chain Reaction. <i>Analytical Chemistry</i> , 2021 , 93, 10351-10357	7.8	1
22	Calcium Alginate Gel Beads Containing Gold Nanobipyramids for Surface-Enhanced Raman Scattering Detection in Aqueous Samples. <i>ACS Applied Nano Materials</i> ,	5.6	1
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20	Sensitive Electrochemiluminescence Biosensor Based on the Target Trigger Difference of the Electrostatic Interaction between an ECL Reporter and the Electrode Surface.. <i>Analytical Chemistry</i> , 2022 ,	7.8	1
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18	Quick preparation of water-soluble perovskite nanocomposite via cetyltrimethylammonium bromide and its application.. <i>Mikrochimica Acta</i> , 2022 , 189, 68	5.8	0
17	Simple and sensitive lead ion detection based on difference of gold monomer ratio using dark field microscope as readout system. <i>Sensors and Actuators B: Chemical</i> , 2021 , 353, 131163	8.5	0
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13	Highly sensitive electrochemiluminescence biosensor for Dam methyltransferase based on target-response DNA hydrogel. <i>Journal of Luminescence</i> , 2021 , 238, 118250	3.8	0

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